



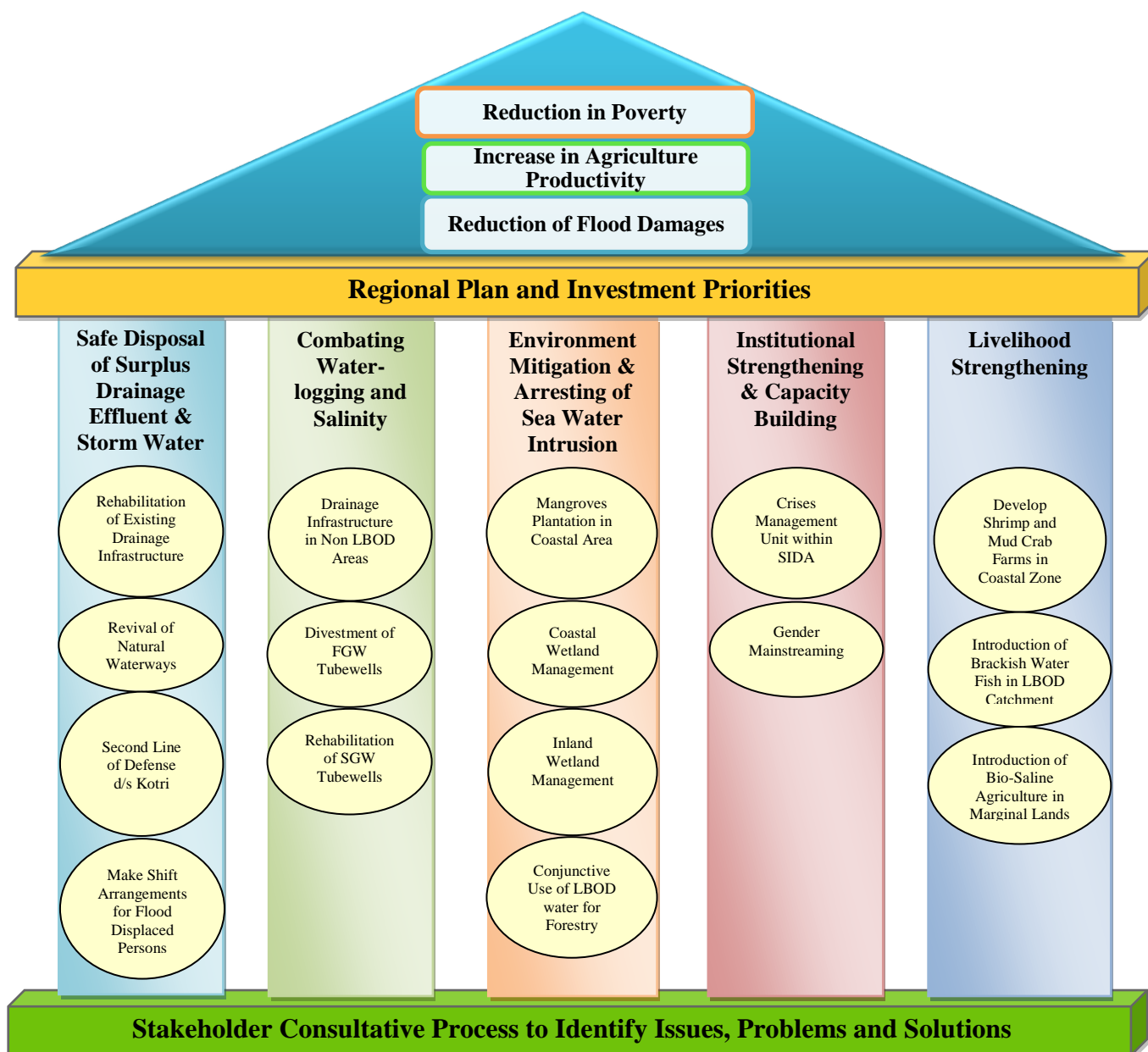
SINDH IRRIGATION AND DRAINAGE AUTHORITY

SINDH WATER SECTOR IMPROVEMENT PROJECT-I (WSIP-I)

PREPARATION OF REGIONAL PLAN FOR THE LEFT BANK OF INDUS, DELTA AND COASTAL ZONE

Final Report - Phase – II

Participatory Community Consultations



Volume – IV

The Louis Berger Group Inc.
In Association with
Indus Associated Consultants (Pvt.) Ltd.
May 2012



SINDH WATER SECTOR IMPROVEMENT PROJECT (WSIP-I) PHASE-I
Preparation of Regional Plan for the Left Bank Indus,
Delta & Coastal Zone

Phase – II
Participatory Community Consultations



SINDH IRRIGATION AND DRAINAGE AUTHORITY - SIDA

Hyderabad Pakistan

Louis Berger Group Inc

and

Indus Associated Consultants Ltd





Partner NGO/Organizations

Local NGOs

The following partner local NGOs helped organizing the district level workshops.



Indus Development Organization (IDO)



Society for Science Education & Research Organization (SSER)



Sindh Radiant Organization (SRO)



Skill Enhancing & Research Home of the Children (SEARCH)



Sindh Agriculture Development Association (SADA)



HWA Foundation



Management and governance Network Society Sindh (MAGNETS)



Goth Sudhar Sangat Organization (GSSO)



Sindhica Reforms Society (SRS)



AL Shahbaz Development Organization



Peace Foundation

Association for Health, Education and Agriculture Development (AHEAD)



Bhittai Social Welfare Development Association (BSWA)



AWARE Organization



Socio Economic Association (SEDA)



Sindh Education & Cultural Organization (SECO)



Badin Development & Research Organization (BDRO)



JAGGARTA Organization



Consortium of Local Firm & NGOs

A consortium of local firm & NGOs was formed to collaboratively organize the regional and national workshops. This consortium organized all workshops very effectively and was appreciated by the stakeholders as well:



Management Development Center



MAGNETS



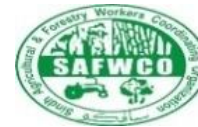
BRDS



Goth Seengar Foundation



Management Development Foundation



SAFWCO



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ACRONYMS

- ADO - AL Shahbaz Development Organization
- AHEAD - Association for Health, Education and Agriculture Development
- AWB - Area Water Board
- BRDS - Badin Rural Development Society
- CM - Cubic Meters
- DCO - District Coordination Officer
- DDMA - District Disaster Management Agency
- DPOD - Dhoro Puran Outfall Drain
- DRIP - Drainage Reclamation Institute of Pakistan
- FGD - Focus Group Discussion
- FO - Farmers organization
- GCA - Gross Command Area
- GIS - Geographic Information System
- GoP - Government of Pakistan
- GoS - Government of Sindh
- Govt - Government
- GSSO - Goth Sudhar Sangat Organization
- IAC - Indus Associated Consultants Pvt.
- IBIS – Indus Basin Irrigation System of Pakistan
- IBRD - International Bank for Reconstruction and Development
- IDO - Indus Development Organization
- IUCN - International Union For Conservation Of Nature
- Km - Kilometre
- KPOD - Kadhan Pateji Outfall Drain
- LBG - The Louis Berger Group Inc.
- LBOD - Left Bank Outfall Drain
- MAF - Million Acre Feet
- MAGNETS - Management and Governance Network Society Sindh
- MDC - Management Development Center
- MDF - Management Development Foundation
- NGOs - Non Governmental Organization
- O&M - Operation & Maintenance
- PDMA - Provincial Disaster Management Authority
- SADA - Sindh Agriculture Development Association
- SEARCH - Skill Enhancing & Research Home of the Children
- SIDA - Sindh Irrigation and Drainage Authority
- SRO - Sindh Radiant Organization
- SRS - Sindhica Reforms Society
- SSER - Society for Science Education & Research Organization
- WAPDA - Water and Power Development Authority
- WSIP – Sindh Water Sector Improvement Project

EXECUTIVE SUMMARY

Sindh Province has a vast irrigation and drainage network and it is one of the primary beneficiaries of the Indus Basin Irrigation System of Pakistan (IBIS). The IBIS is considered as one of the largest contiguous irrigation systems in the world. Of the total 14 barrages of the IBIS, Sindh has three major barrages on the Indus River that divert approximately 48 million acre feet MAF (59.0 billion cubic meters- BCM) of water annually to the 14 main canal commands in Sindh Province. These canal systems have an aggregate length of 13,325 miles (21,445 Km), which serve a gross command area (GCA) of 14.391 million acres (5.8 million ha). There are also about 42,000 watercourses (tertiary channels), which have an aggregate length of about 75,000 miles (120,000 Km).

The government of Sindh assigned the project of preparation of regional master plan on drainage to Louis Berger Group & Indus Associated Consultants on 5th March 2010 covering a period of 36 months. The beneficiaries of the Regional master Plan are the populations on the Left Bank of the Indus River; and the population in the Delta and Coastal Zone of Sindh province. The particular interest was to be directed to the assessment of deficiencies in the Left Bank Outfall Drain System (LBOD).

The consultants were required to conduct community consultations to identify the issues and problems in phase-I of the project. The project phase II was focused on solutions for identified problems. During these two phases , the Consultants have met with over 9,000 people, visited around 231 villages, conducted 34 workshops at district, area water board and regional/national levels. In addition, 10,000 project pamphlets in Sindhi language were distributed, 81 news cuttings published in the local media in English, Urdu and Sindhi languages and on 6 occasions information on the project was aired by the local TV channels.



In order to ensure full and equal involvement of men and women of all ages, backgrounds and social status, a wide range of stakeholders were invited to participate in the phase II workshops. The workshops were organized at three levels: district level – 12 workshops, area water board level – 3 workshops and regional/national level – 1 workshop. The Louis Berger Group and Indus Associated Consultants, together with fifteen local partner NGOs and the Consortium of six organizations / NGOs, strived hard to bring relevant stakeholders into the workshops. During this phase, around 1,442 stakeholders were invited from different walks of life and 1,014 participated from these invited stakeholders. The participation percentage arrives at 70% which is quite satisfactory. One hundred and twenty one (121) females



participated in these workshops and female participation ratio was 12% of the total participation.

The stakeholders were given free choice of giving their feedback on the overall performance of the workshop in relation to different issues. Standard questionnaire with 5 questions was distributed in each of the workshop with request to fill the form at the end of the workshop. This helped improving the quality of the workshop with relation to expectations of the stakeholders. Out of 1,014 participants around 365 participants completed the feedback forms. The majority of the participants who completed the feed back forms (87%) commented the quality of workshops as “excellent” or “satisfactory”. Only 1% considered the workshops as non- satisfactory. In response to the question about the time allocated for group discussions, overwhelming majority replied that time allotted was sufficient as against 16% who said that the time was insufficient.

During district and area water board level workshops, the stakeholders were divided into four groups to share their comments and feedback: drainage, flooding, environment and socio-economic. The proposed interventions which came under discussions are given below:

- Drainage - 10 interventions
- Flooding - 8 interventions
- Environment - 7 interventions
- Socio-economic - 5 interventions

Based on these consultations and stakeholders’ suggestions, the Consultants have derived several interventions to solve the identified problems mainly pertaining to drainage, flooding, environment, natural resources, socio-economic and institutional issues in the left bank of Indus, delta and coastal area.

The stakeholders were given the opportunity to discuss, endorse or reject those interventions with adding alternative solutions according to their opinions.

When the stakeholders endorsed

the intervention, they were asked to prioritize the interventions. Majority of the stakeholders during phase-II consultations supported the proposed interventions; however, the stakeholders had certain reservations on the some proposed interventions in relation with their districts; for example, Thatta stakeholders could not comment on the Ghotki saline project as it is not relevant to Thatta. Nevertheless, they appreciated the consultative process developed and followed by the project’s Consultants’ teams. The stakeholders have also





suggested some remedial measures to strengthen project planning and implementation process, which are given below:

- Each megaproject must be discussed and agreed with concerned communities
- There should be a strict control on corruption in the government departments in order to implement the project smoothly and upto the international standards.
- De-silting of the LBOD should be done at top priority before the incoming monsoon in order to solve problems related to LBOD; a separate XEN should be posted with a full responsibility of the LBOD alone, without other duties. This way, s/he will be responsible for the issues related to LBOD and it is expected that it may yield good results.
- There should be a provincial accord on drainage water in order to stop industrial wastewater coming to Sindh from other provinces.
- The SCARP VI wastewater coming from Punjab has destroyed around 15,000 acres of fertile land in Ghotki area. Therefore, Punjab government must take pre-cautionary measures to stop flow of industrial wastewater to Sindh.
- There should be a steering committee of experts including local community members. The Provincial Irrigation Minister should be part of this Committee and the final report of this project should be weighted by this committee.
- An Inter-Ministerial Committee should be made which should include ministry of health and relevant organizations as well to take actions to resolve health issues.
- Natural routes of dhoras should be explored and rehabilitated in order to effectively drain out the rainwater during floods.

1. INTRODUCTION

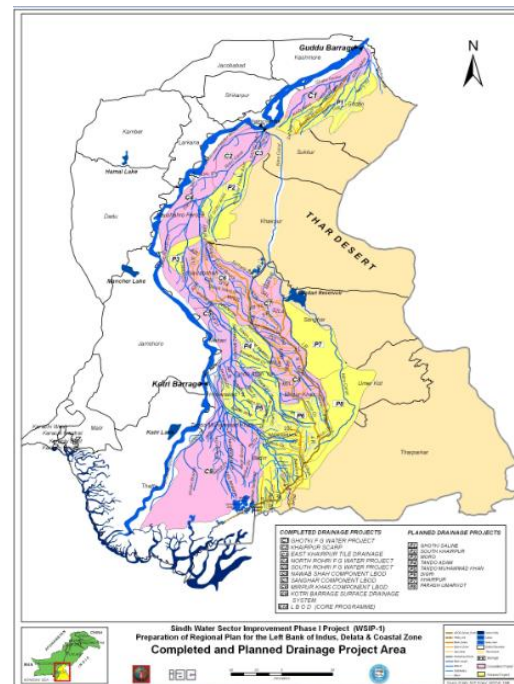
1.1. Project Background

Sindh Province has a vast irrigation and drainage network and it is one of the primary beneficiaries of the Indus Basin Irrigation System of Pakistan (IBIS). The IBIS is considered as one of the largest contiguous irrigation systems in the world. Of the total 14 barrages of the IBIS, Sindh has three major barrages on the Indus River that divert approximately 48 million acre feet MAF (59.0 billion cubic meters- BCM) of water annually to the 14 main canal commands in Sindh Province. These canal systems have an aggregate length of 13,325 miles (21,445 Km), which serve a gross command area (GCA) of 14.391 million acres (5.8 million ha). There are also about 42,000 watercourses (tertiary channels), which have an aggregate length of about 75,000 miles (120,000 Km). The water diversion in the study area (Table 1.1) is approximately 11.6 MAF for eight canal commands. A plan showing this extensive barrage, canal and drainage system is shown in Figure 1.1

Table 1.1: Major Barrages on the Indus River in Sind Province

Barrage Name	Nearest city	Year constructed	Diversion Quantity Left Bank (MAF)
Guddu	Ghotki	1962	3.484
Sukkur	Sukkur	1932	5.532
Kotri	Hyderabad	1955	2.577

Table 1.1: Major Barrages on the Indus River in Sind Province



1.2. Project Summary

The key components of the Regional Plan Study are given in Table 1.2. In addition, the following requirements of the project Terms of Reference were followed in undertaking all aspects of the study:

- 1.1. The Client for the Regional Plan is the Government of Sindh, and all of its administrative components. However, implementation of the Regional Plan is to be designed and to be implemented by a wide range of actors and civil society.

- 1.2. The beneficiaries of the Regional Plan are the populations on the Left Bank of the Indus River; and the population in the Delta and Coastal Zone. Other areas in Sindh, including the Right Bank of the Indus River, were not part of the study area.
- 1.3. The Regional Plan was to focus on are drainage and flooding only. Other development sectors such as irrigation and or social sectors are being considered in other components of the WSIP-I and are not a part of the Master Plan study.
- 1.4. Particular interest is to be directed to the assessment of deficiencies in the Left Bank Outfall Drain System (LBOD). This was further divided into assessment of drainage collection, drainage conveyance and drainage disposal.
- 1.5. The study considered combined collection, transport and disposal of both drainage water and excess floodwater. This is similar to studies in urban areas where combined collection of wastewater and storm water requires remediation before the combined polluted water flow can be safely discharged to existing water courses.
- 1.6. Particular attention was directed to improvement of the wetland environment in the Indus River Delta and Coastal Zone.
- 1.7. Any remedial measures selected to address issues and problems were to include both structural and non-structural options.
- 1.8. The study was based on identification of issues and problems to be followed by stakeholders' proposed solutions/interventions.
- 1.9. All work efforts were to be based on extensive consultations with stakeholders at district, area water board, regional and national level to share proposed interventions for solution of the problems identified in phase-I of the project.

Table 1.2: Summary of Study Requirements

Study Characteristic:	Study Requirement
Client:	Government of Sindh Province
Beneficiaries:	Sindh Province: 1. Population on Left Bank of Indus River 2. Population of Delta and Coastal Zone
Sectors to be considered:	1. Drainage 2. Flooding
Executing Agency:	Planning & Development Department, Government of Sindh Province
Implementing Agency:	Sindh Irrigation and Drainage Authority
Sponsor:	The World Bank
Consultants	The LBG Inc, and Indus Associated Accountants

Following structural and non-structural requirements were addressed in the course of preparation of a Regional Plan for the Left Bank of the Indus River, Coastal Zone and Delta:

1. flooding along the LBOD and Indus River and intrusion of seawater in the Coastal Zone;



2. potential measures for rehabilitation of the LBOD system, Dhands and Tidal Link;
3. ongoing structural and non-structural programs and identify additional project needs;
4. conditions, perceived and real, in the countryside with respect to government; engagement in water delivery, water quality, agriculture, fisheries, poverty, livelihoods, health and general welfare; and
5. determine institutional arrangements for effective management of water delivery, maintenance of drainage, flood operations and disaster response.

2 STAKEHOLDERS' CONSULTATION

2.1 Methodology & Approach

A central point in the preparation of the WSIP Regional Plan is preparation of the Plan in consultations with stakeholders. Genuine participation and involvement from the community and other relevant stakeholders is essential throughout the planning and design process.

The Team of the Louis Berger Group and the Consortium of NGOs/organizations made hard efforts to bring a number of relevant stakeholders into the workshops. These workshops were organized in coordination with local partner NGOs and and Consortium teams. The stakeholders were invited through email and printed invitation handed over in person. Moreover, to ensure maximum participation, the follow-up calls were used.

Identified problems and issues were explored during repeated consultations with stakeholders at all levels of society through surveys, interviews, workshops, and field reconnaissance. Thus, during the Phase I of the project, consultation with the communities and other major stakeholders, surveys and interviews were carried out across the region in continuous consultations with the Client. Additionally, field surveys were carried out for identification of conditions and for collection of the baseline data in order to get an insight into stakeholders' perspectives.

Overall, the consultations were comprised of the workshops organized at three levels:

- District level – 12 workshops
- Area Water Board level – 3 workshops
- National/Regional level - 1 workshop

The workshops at the district level were organized in the following districts: Ghotki, Sukkur and Khaipur, Noushero Feroze, Nawab Shah, Mirpurkhas and Tando Allahyar, Sangar, Hyderabad and Matiary, Badin, Thatta, Tandoo Muihammed Khan, Tarparkar and Umerkot. In addition, one workshop was organized for each of the three Area Water Boards (Ghotki Feeder Canal AWB, Nara Canal AWB and Left Bank Canal AWB). The final wrap up workshop was conducted in Karachi with participation of regional and national stakeholders.

2.2 Purpose of Consultation

The main purpose of the workshop was to present solutions proposed during the consultations with communities and stakeholders in the Phase-I and to:

1. get stakeholders' additional suggestions/solutions if any
2. get stakeholders' endorsement or rejection of the proposed solutions mainly pertaining to drainage, flooding, environment, natural resources, socio-economic and institutional issues in the project area.
3. get stakeholders' prioritization of the proposed solutions

To ensure full and equal involvement of men and women of all ages, backgrounds and social status, a wide range of stakeholders were invited to participate in the workshops. Several interventions were proposed and presented to the stakeholders for the identified problems related to drainage, flooding, environment, and socio-economic issues.

2.3 Stakeholders' Participation

The details on number of stakeholders invited and participated are given in table 2.1 below.

Table: 2.1 – Phase II Workshops - Stakeholders' Participation

Sr.#	Particulars of the Workshop	Date	No. of Participants Invited	No. of Participants Attended	Female Participated	Total Attendance	Partner NGO
1	Hyderabad	30-06-11	62	48	7	62	IDO
	Matayari		42	14			
2	Badin	05-07-11	62	41	5	41	SSER)
3	Thatta	09-07-11	71	44	0	44	SRO
4	Tharparkar	12-07-11	80	55	0	55	SEARCH
5	Umerkot	13-07-11	70	60	3	60	SADA
6	Ghotki	19-07-11	93	76	8	76	HWA Foundation
7	Sukkur	20-07-11	64	47	19	71	MAGNETS
	Khairpur		56	24			
8	Naushahro Feroze	21-07-11	68	50	3	50	GSSO
9	Nawabshah	30-07-11	74	44	5	44	SRS
10	Sanghar	09-08-11	83	54	4	54	AHEAD
11	Tando Mohammad Khan	22-11-11	84	57	4	57	ADO
12	Mirpurkhas/Tando Allahyar	12-03-11	88	79	17	79	Consortium
13	Sukkur (AWB Ghotki)	13/12/11	80	83	22	83	Consortium
14	Badin (AWB Left Bank)	19/12/11	62	57	2	57	Consortium
15	Hyderabad (AWB Nara)	29/12/11	120	99	9	99	Consortium
16	Karachi (National workshop)	14/01/12	183	82	13	82	Consortium
Total			1,442	1,014	121	1,014	

Around 1,442 stakeholders were invited from different walks of life and 1,014 participated which makes the participation percentage at high 70%. . 121 females participated in these workshops and female participation ratio was 12% of the total participation. It should be noted that overall female participation in both phases of the project amounts to 2,455 which represents 27.05% of the total number of participants (9,077). However, it must be underlined

that female participation at village level consultations is much higher than at district, area water board and regional/national levels. (See Tables 2.2 and 2.3). Some of the explanations for such a high disparity in female participation could be the following:

1. Consultations at the village level were conducted separately for men and women and therefore, women were in their familiar environment, available in great numbers and free to attend and to speak.



2. Consultations at district, area water board and regional/national levels involved participation of professional women whose number is far less than the number of professional men working in the required field.

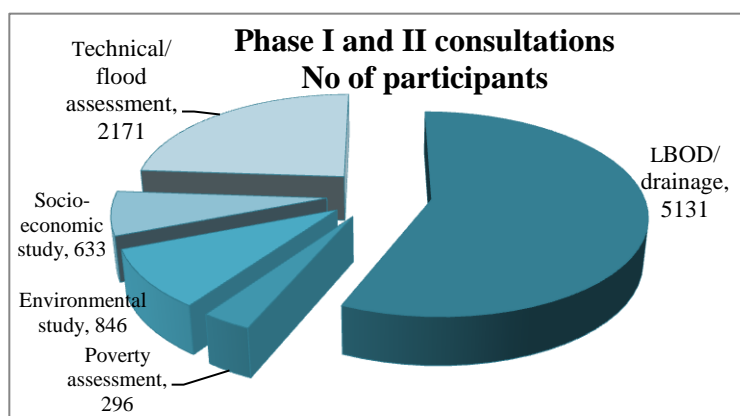
Table 2.2: Phase I Consultations

PHASE I CONSULTATIONS								
Study	No. of work shops	No. of key inform ants	No. of community consultatio ns	No. of case Sstudie s	No. of village s	No. of particip ants	No of women invillage s	No of women in wshops
LBOD/ drainage	19	36	72	0	36	3,689	1,246	98
Poverty assessment	0	8	16	16	40	296	110	0
Environment al study	0	0	12	0	12	846	0	0
Socio-economic study	0	0	0	0	60	633	0	0
Total Phase I	18	44	100	16	148	5,464	1,356	98

Table 2.3: Phase II Consultations

PHASE II CONSULTATIONS/FIELD TRIPS SUMMARY										
Purpose	No of field trips	No of districts visits	No of villages visited	No. of work shops	No. of key informants	No. of consultations with women	No of consultations with men	No of women in village	No of women in workshops	No. of Participants
Solutions/LBOD/drainage	15	15		16					121	1,442
Technical/Flood assessment	91	15	83		83	83	83	870		2171
Total	106			16	83	83	83	870	121	3,613

Graph 2.1: No of Participants – Phase I and II



2.4 Consultations in Monsoon Flooded Area

As the year 2011 was a year of extreme monsoon flood in the area, the social team visited each district in the project area, assessed the situation and consulted with the flood affected communities. The team visited 89 villages in fifteen project area districts and consulted with 1,740 persons. (See Table 2.4)



Monsoon rain started in the project area from the first week of August, 2011 and continued up to third week of September, 2011. The project social team visited each district in the project area once and Badin and Mirpurkhas districts (due to extreme situation) were visited twice. The team talked to around 1,765 affected people in 89 villages, conducted community consultations and key informant interviews in order to assess the losses/damages of villages, crops destruction, people and livestock affected, chicken and fish farms destroyed, diseases spread, government/ private assistance provided, source of income available etc.

In each district, the team has a partner NGO that gave us the first hand information about the situation on the ground, suggested villages and communities to be visited and accompanied our team on each visit. Their work in affected areas and information and help given to our team are indispensable.

In each village visited, people estimated at least 50% of houses and village infrastructure destroyed and totally lost crops. At some fields, people were trying to save cotton. Deep water and snakes make extremely difficult to work and the saved cotton is not of a good quality. Those who grow vegetables lost all. Some sugarcane survived.

The livestock in each village was reported dying and weaken due to lack of fodder and diseases. Decomposing buffaloes and camels were common scenery along the roads travelled and in the stagnant water creating additional health hazard for people and animals in the area. Roads were often cut off and inundated in deep water and the team had to take alternative routes to reach some villages. People took refuge in numerous organized or self-made camps along the roads. All interviewed stated that little or no help was offered to them. They underlined that the help is given to villagers on the main roads and even then, not always justly distributed. Usually nobody visited villages far from the main road as access is difficult or there is no information about isolated communities. At best, local landlords and some NGOs helped once or twice with a bit of food.



People complain that the government help is absent, slow and as usually, too little too late. After two months, so many displaced persons still did not received Wattan cards or any other help. Shelter with proper sanitation facilities, food, medical help for people and animals and fodder were the most needed items in each displaced community. Drinking water was the problem in many visited villages. However, people in visited villages have access to drinking water but they have to travel 1-2 km to fetch water.

The most common diseases were malaria, gastrointestinal problems, vomiting, skin problem and eye infections especially in small children. According to villagers, medical help is appalling as doctors give same medicine to people and animals and the medicines are ineffective. Some communities claim that they are better off without doctors and medicine as they get sicker with available medicines.

Table 2.4: Monsoon Flood Assessment 2011

No	District	Taluka	Union council	Name of the village	Estimate d No. of HHs	Average No. of consulted persons	Date	Partner NGOs
1	Tando Mohammad Khan	Tando Mohammad Khan	UC - 02	Goth Murad Machi	80	20	22-08-2011	Abdul Sattar Ghirano, Focal Person, Al-Shahbaz Development Organization (ASDO)
				Goth Susti Basti	60	20		
				Goth Sardar Allah Bux Magsi	20	20		
				Goth Nasir Shah	80	20		
		Tando Gh Hyder	Tando Gh Hyder	Goth Tando Ghulam Hyder	2500	20		
2	Tando Allahyar	Chamber	Chamber - 02	Goth Jumo Kapri	80	20	24-08-2011	Dhani Bux, Focal Person, Sindh Education And Cultural Organization (SECO)
				Goth Haji Sain Dad Dashediq	300	20		
				Goth Usman Otho	30	20		
				Goth Haji Jamal Leghari	40	20		
				Goth jan Mohammad Dishek	50	20		
				Goth Akku Chang	20	20		
			Sanjer Chang					
3	Badin	Golarchi	Gharo	Mehal jo Goth	60	20	26-08-2011	Khadim Talpur, Focal Person, Society for Science Education & Research Organization (SSER)
				Goth Sadiq Jat	200	20		
				Goth Haji Rabban	150	20		
				Goth Khaliq Dino	500	20		
		Badin	Seerani	Goth Haji Darya Khan	150	20	01-10-2011	
				Goth Mohammad Saleh Warer	35	20		
4	Thatta	Mir pur Bathoro	Darya Khan	Goth Hussain Soho	50	20	27-08-2011	Ghulam Hussain Mirbhar, Focal Person, Laar Sindh Rural Community Development Organization (LSRCDO)
				Goth Haji Mohammad	20	20		
				Goth Fageer Ibrahim	100	20		
				Goth Ali Hassan Khokher	50	20		
				Goth Fageer Khuda Bux	400	20		
		Jati	Gul Mohammad Baren	Goth Meher Malah	35	20		
				Goth Allah Dino Jat	30	20		
				Goth Moosen Wadho	20	20		
5	Mirpurkhas	Mirpurkhas	Makhan Samo	Goth Jam Leghari	650	20	29-08-2011	Aslam Pahnwer, Focal Person, PEACE Foundation
				Goth Haji Qaiser	150	20		
				Goth Dr Rano	60	20		
				Goth khumbri	350	20		
				Babu Goth	100	20		
		Rutnabad	Goth Katchi Basti	50	20			



No	District	Taluka	Union council	Name of the village	Estimated No. of HHs	Average No. of consulted persons	Date	Partner NGOs
6	Ghotki	Ubauro	Langho	Goth Jam Sawae Silro	35	20	13-09-2011	Hafiz Manzoor, Focal Person, HWA Foundation
				Goth Shah Wali	150	20		
				Goth Ahmed Khan Silro	60	20		
				Goth Ghuram Khan	150	20		
				Goth Jam Phulo	30	20		
				Habib Malik jo Goth	100	20		
				Goth Allahyar Khan Gurgaej	50	20		
				Goth Shama Shepri	35	20		
				Goth Fateh pur	150	20		
7	Khairpur	Thari Mir Wah	Baqi Khan	Goth Amb Fageer Mangrhar	120	20	14-09-2011	Khadim Hussain Mirani, Focal Person, Bhattai Social Welfare Association (BSWA)
				Goth Jaro Khan Noonari	40	20		
				Goth Ibrahim Khaskheli	50	20		
				Goth Khuda Bux Noonari	200	20		
				Goth Sahib Khan Jalalani	100	20		
				Goth Pir Bux Jalalani	200	20		
				Goth Karam Khan Lashari	150	20		
				Goth Mola Bux Lashari	50	20		
				Goth Jan Mohammad Khaskheli	25	20		
8	Sukkur	Pano Akil	Hingoro	Goth Sahib Dino	50	20	15-09-2011	Irshad Mahar, Focal Person, Management And governance Network Society Sindh (MAGNETS)
				Goth Ali Bux Khaskheli	30	20		
				Goth Bagh Pai	100	20		
				Goth Mank Jatoe	120	20		
				Goth Dufr Jatoe	130	20		
				Goth Hingoro	200	20		
			Baeji	Goth Haji Khan Chacher	250	20		
				Goth Sirae Kulwer	300	20		
9	Naushahr o Feroze	Kandyaro	Ghulam Shah	Goth Qasimabad	100	20	16-09-2011	Abdul Shakoar Abbasi, Focal Person, Goth Sudhar Sangat Organization (GSSO)
				Goth Javeed Punjabi	40	20		
				Goth Allen Kelhri	300	20		
				Goth Ghazi Khan Gopang	100	20		
				Goth Ali Mangrio	15	20		
				Goth Haji Ali Nawaz Deper	800	20		
				Goth Meher Mangrio	20	20		
				Goth Chibher Mangrio	70	20		
10	Hyderabad	Hyderabad Rural	Tando Fazal	Goth Tando Fazal	2000	20	17-09-2011	Zain Daud Poto, Focal Person,
				Goth Mola Kartyar	2000	20		
				Goth Kunjja	400	20		



No	District	Taluka	Union council	Name of the village	Estimate d No. of HHs	Average No. of consulted persons	Date	Partner NGOs
				Goth Taju Khaskheli	1500	20		Indus Development Organization (IDO)
				Goth Sono Khan Almani	500	20		
				Goth Sono Khan Lashari	1500	20		
				Goth Saman	3000	20		
				Goth Mir jee Landhi	500	20		
11	Nawabshah	Sakrand	Kumbli Ma	Goth Fazul Mohammad Keerio	500	20	22-09-2011	Ameen Keryo, Focal Person, Sindhica Reforms Society (SRS)
				Goth Haji Imamdin Brohi	300	20		
		Khader	Khadar	Goth Khader	500	20		
12	Matyari			Goth Laal Mohammad Khaskheli	80	20	29-09-2011	Mohammad Khan, Focal Person, Socio-Economic Development Association (SEDA)
				Goth Alam khan Jamali	500	20		
		Saeedabad	BD Kaaka	Goth Phar Khan Jamali	500	20		
13	Tharparkar		Taalhi	Goth Chukchar	30	20	05-10-2011	Ali Akbar, Focal Person, AWARE Organization
				Goth Memul Khan Gurgaer	40	20		
14	Umerkot		Samaro Road	Goth Haji Ibrahim Dhounkee	250	20	06-10-2011	Mohammad Bux Kumbhar, Focal Person, (SADA) Sindh Agriculture Development Association
				Goth Arz-e-Khaskheli	100	20		
15	Sanghar		UC - 01	Goth Roshenabad	20	20	11-10-2011	Mohammad Ibrahim Khilji, Focal Person, Association for Health Education And Agriculture Development (AHEAD)
				Goth Raes Murad Ali	20	20		
				Goth Ali Mohammad Mari	15	20		
		Sanghar	Khudwari	Goth Imamdin	40	20		
Total					25035	1740		

3. ANALYSIS

3.1 Problems & Solutions

The participatory consultative approach was used throughout all consultations. The stakeholders were given detailed presentations on issues and problems identified during the first phase of the project. Based on the findings, the Consultants have extracted several interventions as solutions of the issues and problems identified in the following table:

Table: 3.1 - Issues & Solutions

S. No.	Issue & Problems	Proposed Intervention / Solutions
1.	<ul style="list-style-type: none"> • Overflow of storm water from Main Drains, LBOD Spinal and KPOD • Deficiencies in LBOD Stage-1 and Badin area Drainage systems. • Tidal effects in KPOD and Badin area Drains. • Sea water intrusion in Dhands. • Deficiency in LBOD outfall system. • Flooding in LBOD upper catchment and Badin area. 	<p>Proposed Intervention: Rehabilitation and Improvement of LBOD Drainage System Infrastructure</p> <p>Proposed solutions under this intervention:</p> <ul style="list-style-type: none"> • Rehabilitation of Nawabshah, Sanghar, Mirpurkhas components, and Badin area Drainage systems. • Rehabilitation/remodeling of Spinal Drain • Rehabilitation of KPOD • Remodeling of DPOD for 4,000 cfs • Provision of structure with flap gates on KPOD at suitable location to check Tidal effects in KPOD and Badin area Drains. • Flood protections bund for villages and cropped area in north of Achh, Sainhri & Addah Dhands. • Flood Protection Bund for village Bahador Khan Lund located near RD 28 of KPOD. • Protection Bund and Mangroves plantation around Dhands for control of tidal effects and sea water intrusion.
2.	<ul style="list-style-type: none"> • The LBOD/KPOD outfall infrastructure was not designed properly and has caused miseries to the communities in lower reaches • Stakeholder's are apprehensive of any reconstruction or extension of LBOD and/or KPOD • Communities along the flood protection bunds feel vulnerable to flood havoc • There is inadequate infrastructure to safely dispose off and conserve storm water in case of high rainfall 	<p>Proposed Intervention: Revival of Natural Waterways to Drain out Storm Water</p> <p>Proposed solutions under this intervention:</p> <ul style="list-style-type: none"> • Divert storm water from LBOD, reducing the discharge in the main drain, thus making it safer for the people and land in Badin and Thatta Districts. • It will also provide storm water to the Thar area, which can be stored in the depressions. Storm water will be of acceptable quality, because the LBOD base flow would not be diverted to Thar.
3.	<ul style="list-style-type: none"> • Failure of the Cholri Weir and breaches in the bunds. • The brackish water dhands have turned into marine. • The entire ecosystem has changed affecting the fauna and flora of the dhand complex • The livelihood opportunities have dwindled 	<p>Proposed Intervention: Rehabilitation of Coastal Wetlands</p> <p>Proposed solutions under this intervention:</p> <ul style="list-style-type: none"> • The dhands shall be provided with a bund about 1 km from the Tidal Link to allow breathing space for the tidal water • This 1 km distance will be occupied by mangrove plantation to minimize the erosion due to rains and tidal effects • The bund shall extend from the northern end of the dhands moving southwards and westward cordoning the entire dhand complex with a protection bund



	<ul style="list-style-type: none"> The dhands adjoining fertile lands have turned saline and degraded. 	<ul style="list-style-type: none"> From the KPOD side at a suitable firm ground, diversion canal shall be provided with a gated structure to allow the storm water from KPOD to enter in dhands to a manageable capacity. From southern side, a spillway channel shall be provided to evacuate the dhands when the water level in dhands reach to a risky level.
4.	<ul style="list-style-type: none"> A significant proportion of SCARP tubewells are non operational Dissatisfaction with the overall performance of the drainage project staff Irrigation shortage is causing low productivity 	<p>Proposed Intervention: Rehabilitation of LBOD and SCARP Tubewells</p> <p>Proposed solutions under this intervention:</p> <ul style="list-style-type: none"> Rehabilitation and replacement of tubewells that are at the end of their economic life with more efficient means of capturing agricultural drainage and mixing it for reuse in the canals. Review of situation that requires tile and open drains and pumping stations for disposal of drainage in some areas. Review of water quality aspects of drainage discharges to Rohri Canal.
5.	<ul style="list-style-type: none"> A significant proportion of SCARP tubewells are non operational Dissatisfaction with the overall performance of the drainage project staff Irrigation shortage is causing low productivity 	<p>Proposed Intervention: Privatization of FGW SCARP Tubewells</p> <p>Proposed solutions under this intervention:</p> <ul style="list-style-type: none"> Rehabilitation of FTWs, especially those of less than 1.5 cusec capacities; Provision of incentives for construction of private tubewells, especially for tubewells of degraded capacity or of large capacities; Possible upgrade of workshops and other infrastructure for transfer. Review of operating rules and legality of private development of groundwater considering social, economic, and environmental concerns and issues;
6.	<ul style="list-style-type: none"> Farmers in areas without any drainage infrastructure/network desire that drainage projects are constructed in their respective areas to control water logging and salinity menace, to reclaim culturable waste and to increase their farm productivity. Because of lack of alternate livelihood opportunities, poverty and food insecurity is increasing 	<p>Proposed Intervention: Ghotki SCARP (Saline Zone)</p> <p>Proposed solution under this intervention:</p> <ul style="list-style-type: none"> To propose the best method for solving the water logging and salinity problems of the Ghotki area by controlling the water table and, to identify the best alternative for the effluent
7.	<ul style="list-style-type: none"> Depleting fish resources Reduced livelihood opportunities Poverty Limited fishermen capacity 	<p>Proposed Intervention: Shrimp and Mud Crab Farming in Coastal Areas of Left Bank</p> <p>Proposed solutions under this intervention:</p> <ul style="list-style-type: none"> Shrimp Farming: Coastal area has become more suitable for shrimp and fin fish culture including crabs and lobster. Immense potentials exist to start commercial scale fish / shrimp farming. Fattening of mud crabs: Scylla serrata commonly known as mud crab, green crab or mangrove crab have good potential in the area.
8.	<ul style="list-style-type: none"> There is inadequate infrastructure to safely dispose off & conserve Indus River flood water in case of high rainfall. Communities along the flood protection bunds feel vulnerable to flood havoc 	<p>Proposed Intervention: Diversion Upstream of Sukkur Barrage and Canal to Thar Area</p> <p>Proposed solutions under this intervention:</p> <ul style="list-style-type: none"> To divert water from Sukkur Barrage, reducing the discharge in the Barrage, thus making it safer and avoiding the present need of breaching the bunds in order to provide some alleviation to the



	<ul style="list-style-type: none"> Irrigation shortage is causing low productivity 	<p>Barrage during floods.</p> <ul style="list-style-type: none"> It will also provide sweet water to the Thar area, which can be stored in the depressions.
9.	<ul style="list-style-type: none"> Communities along the flood protection bunds feel vulnerable to flood havoc Lack of proper disaster Management and Preparedness Communities, particularly along the flood protection bunds and beyond, are apprehensive of unexpected breaches during floods. 	<p>Proposed Intervention: Indus River Disaster Management Infrastructure</p> <p>Proposed solution under this intervention:</p> <ul style="list-style-type: none"> Second Line of Defense for Left Bank of Indus D/S Kotri Raised platforms for protection from flooding
10.	<ul style="list-style-type: none"> Communities along the flood protection bunds feel vulnerable to flood havoc Disaster Management and Preparedness Communities, particularly along the flood protection bunds and beyond, are apprehensive of unexpected breaches during floods. 	<p>Proposed Intervention: Establishment of Disaster Management Unit in SIDA</p> <p>Proposed solutions under this intervention:</p> <ul style="list-style-type: none"> Implement a SIDA Disaster/ Crisis management Unit for preparing, training and coordinating plans for emergency response services in case of emergency situations and disasters within SIDA's ordinance. Coordinating within SIDA's wings and also with the Provincial Irrigation Department, WAPDA, the Provincial Disaster Management Authority (PDMA), etc.
11.	<ul style="list-style-type: none"> Water scarcity below Kotri barrage has adversely affected the agro-ecosystems. The persistent drought conditions since last decade has degraded lands Leaving the lands without crop for prolong periods induce desertification and reduce productivity Reduced production resulted in decline in livelihood opportunities. 	<p>Proposed Intervention: Bio-saline Agriculture in Badin and Thatta Districts</p> <p>Proposed solutions under this intervention:</p> <ul style="list-style-type: none"> Bio-saline agriculture can be practiced on marginal saline lands using brackish water for growing salt tolerant food and fodder crops, bushes and trees Surface drains mostly carry pancho water from rice fields that can be used for growing salt tolerant species of crops, grasses and halophytes. This intervention can best utilize our water resources on one hand and can reduce load on drainage outfall on the other.
12.	<ul style="list-style-type: none"> Inadequate and poor O&M of the drainage system, including sub drains and on-farm drains IPD and SIDA and associated AWBs and FOs need strengthening and staffing to carry out their routine operations and maintenance functions. 	<p>Proposed Intervention: Preventative Maintenance Program (PMP), for SIDA within assigned Canal Commands of three AWBs</p> <p>Proposed solutions under this intervention:</p> <ul style="list-style-type: none"> Non Structural solution, involving equipment purchase, personnel retraining, survey and classification of structures, and scheduling and dispatch of maintenance crews. Recognized organization-ready, well-equipped emergency crews who can be trained for emergency and disaster response. These crews will be located province wide.
13.	<ul style="list-style-type: none"> Sea water intrusion Degradation of dhandhs Natural disasters Coastal erosion Deforestation of mangroves Decline of fish resource Limited livelihood opportunities Fragile coastal environment 	<p>Proposed Intervention: Protective Plantation of Mangroves in the Coastal Areas of Left Bank</p> <p>Proposed solutions under this intervention:</p> <ul style="list-style-type: none"> Survey for identification of potential areas for mangrove plantations Raising of mangrove and salt resistant plant nurseries Plantation of mangroves to protect wetlands and tidal link Plant mangroves in blank mudflats in coastal areas (in backwater and frontage of sea) Raising of salt tolerant tree species in supra tidal zone



14.	<ul style="list-style-type: none"> • Livelihood for fishermen community of the area has declined • Decline fish production and species • Degradation of fisheries resources due to deterioration of the dhands water quality 	<p>Proposed Intervention: Brackish Water Fish Farming in LBOD Area</p> <p>Proposed solutions under this intervention:</p> <ul style="list-style-type: none"> • Construction of earthen fish ponds of on private lands located in the command area of LBOD. • Establish brackish water fish hatcheries • Involve fish farmers in identification of areas for fish ponds • Conduct on the job trainings to fish farmers for capacity building
15.	<ul style="list-style-type: none"> • Deforestation • Degradation of forest and agro ecosystems • Decline in productivity & composition of forest and farmlands • Shortage of tree resource and associated services • Lack of participatory approach and coordination • Decline in per ha vegetation cover • Limited livelihood opportunities 	<p>Proposed Intervention: Use of Drainage Water for Forestation in the LBOD and Kotri Areas</p> <p>Proposed solutions under this intervention:</p> <ul style="list-style-type: none"> • Identification of sites for tree plantation on forest lands and private farmlands. • Grow nurseries of saline water resistant tree species. • Provide drainage water for forestation in nearby forest and farm lands • Supplement fresh water with drainage water to reduce water shortage. • Grow trees in block/linear plantation patterns.
16.	<ul style="list-style-type: none"> • Drainage effluent intrusion in the Ghotki Area from Southern Punjab 	<p>Proposed Interventions</p> <ul style="list-style-type: none"> • Analysis of the problems and identification of potential solutions. • Prepare strategy for Sindh Government
17.	<ul style="list-style-type: none"> • Safe and clean drinking water is not available particularly in the saline underground water areas and in the delta and coastal areas. • Untreated municipal sewage disposed off into freshwater bodies is used for domestic purposes by thousands of people living in areas with brackish underground water. • Less than 8% of total wastewater released daily is, only partially treated before it is released into the surface water bodies. 	<p>Proposed Interventions</p> <ul style="list-style-type: none"> • By the Relevant Implement Agencies • Water treatment units (filtering, chlorination, reverse osmosis, etc) should be provided. • Wastewater should be treated at source point, complying with NEQ standards. • Training to villagers on water treatment for human consumption.
18.	<ul style="list-style-type: none"> • Water sources, both surface water and groundwater, are increasingly polluted due to unchecked disposal of untreated pollutants emanating from the increasing disposal of urban sewerage and solid waste, leaching of agrochemicals, untreated hazardous industrial waste, particularly from sugar mills. • Despite cost effective available techniques, there is a lack of compliance and ineffectiveness of EPA to control pollution and contamination of water ways and of the drainage system. 	<p>Proposed Interventions</p> <ul style="list-style-type: none"> • By the Relevant Implement Agencies • Sugar Industry Effluent Treatment at Source

3.2 Stakeholders' Opinions/Suggestions on the Proposed Interventions

The proposed interventions and solutions suggested by the stakeholders during the two phases of consultations were presented to the stakeholders in detail during the workshops. The stakeholders were given opportunity of supporting or rejecting those interventions with alternative solutions. In case, the stakeholders agreed with the interventions, they were asked to prioritize it. However, some stakeholders found difficult to prioritize solutions as they think that all solutions are almost of equal importance. Majority of the stakeholders during the phase-II consultations supported the proposed interventions. The summary of the stakeholders' endorsement/rejection of the suggested solutions is given below.

PROPOSED INTERVENTION

Privatization of FGW SCARP Tubewells

The main issues identified during the Phase I of the Project were the following:

- a significant proportion of the SCARP tubewells are non operational
- the overall performance of the drainage project staff is not satisfactory
- irrigation shortage is causing low productivity

The stakeholders proposed the privatization FGW SCARP tubewells, rehabilitation of the tubewells of less than 1.5 cusec capacities and provision of incentives for construction of private tubewell. In addition, the stakeholders suggested upgrading of the workshops and other infrastructure before transition as well as a revision of the operating rules of private development of groundwater with consideration of socioeconomic and environmental issues.

The consulted stakeholders at all district and area water board levels have endorsed the solutions. Badin and Umerkot stakeholders have not endorsed nor rejected as the solutions are not applicable to these two districts. The consulted stakeholders of Sukkur, Khaipur, Noshero Feroze and Nawabshah districts suggested transfer to the landowners, FOs or watercourse association with intensive involvement of local communities. The stakeholders underlined that a proper transition must be followed by correct operation and maintenance preferably by the involvement of the local communities.

PROPOSED INTERVENTION

Rehabilitation of LBOD and SCARP Tubewells

The issues and problems identified during the phase I are the same as for the SCARP fresh water tubewells. The stakeholders suggested rehabilitation and replacement of worn out tubewells with more efficient means of capturing agricultural drainage and mixing it for reusing in the canals. In addition to this, a revision of situation that requires tile and open

drains and pumping stations for disposal of drainage in some areas was suggested. In the stakeholders' opinions, the quality of water discharges to Rohri Canal should be reviewed.

Stakeholders from Mirpurkhas, Tando Allahyar and Ghotki districts gave a very high priority to the intervention on the SCARP tubewells. They claim that in some places around 95% of the tubewells are not functional at all. In addition, the stakeholders think that landowners who gave the land for installation of the tubewells should be allowed to appoint a chokidar to look after the tubewells. The stakeholders from districts where there are no tubewells endorsed the solution but could not give the highest priority.

PROPOSED INTREVENTION

Bio-saline Agriculture in Badin and Thatta Districts

The stakeholders identified the following issues: Water scarcity below Kotri barrage has adversely affected the agro-ecosystems. The persistent drought conditions since last decade have degraded lands. Leaving the lands without crop for prolong periods induce desertification and reduce productivity. Reduced production resulted in decline in livelihood opportunities.

The following solutions suggested by the stakeholders:

1. Introduce bio-saline agriculture which could can be practiced on marginally saline lands using brackish water for growing salt tolerant food and fodder crops, bushes and trees
2. Use surface drains (which mostly carry *pancho* water from rice fields) for growing salt tolerant species of crops, grasses and halophytes.

The stakeholders highly valued this scheme. They suggested extensive plantation campaigns with full participation of people from all walks of life. Plantation campaign should be initiated on the embankments of canals, streets and roads and local NGOs should be given the opportunity to take on the campaign. People call for a complete ban on indiscriminate cutting of trees. In order to enable a successful implementation and operation and maintenance of the proposed project, a full community ownership must be ensured. Stakeholders want to see an integrated approach where all government departments will support and be involved in the tree plantation.

In addition, the consulted stakeholders call for tough enforcement of the environmental law, improvement of the awareness system, pilot intervention, use of local wisdom, inclusion and training of women to participate in the implementation of the scheme and introduction of environmental issues in the school syllables. Use of fertilizers and pesticides may be minimized and crop rotation be adopted to maintain the fertility of soil. Use of organic farming may be supported.

Stakeholders in all districts and area water boards endorsed the solution. However, some stakeholders expressed a certain reservation to the solution. For example, the stakeholders from Nawabshah think that the scheme may disturb soil fertility and suggested rose-plant water resistant varieties to be planted. Tando Mohammed Khan stakeholders suggest

plantation of bio-diesel tree which would support local economy and reverse environmental degradation while Nousheru Feroze stakeholders promote plantations of rice, jantar, bih, Baid Mushk and Date trees in the Kotri Drainage Basin. Thatta stakeholders think that forestation should be done in fresh water rather than in drainage water. In case of forestation in drainage water, the water must be treated for pollutants and the stakeholders require that the Standard European Rules on Agriculture be applied.

PROPOSED INTREVENTION

Establishment of Disaster Management Unit in SIDA

The burning issue stated by the communities along the flood protection bunds is their vulnerability to flood havoc. Communities are very apprehensive of unexpected breaches during floods. The main problem stakeholders pointed out are:

1. Inadequate and poor O&M of the drainage system, including sub drains and on-farm drains
2. IPD and SIDA and associated AWBs and FOs need strengthening and staffing to carry out their routine operations and maintenance functions.
3. Equipment should be purchased, personnel retrained and dispatch of maintenance crews scheduled.
4. Train well-equipped emergency crews province wide for emergency and disaster response.

The main solution to the identified problems suggested and discussed by stakeholders at workshops was the establishment of the Disaster Crises Management unit in SIDA. The SIDA disaster/crisis management unit should train the necessary staff, prepare and coordinate plans for emergency situations and disasters within SIDA's ordinance. Out of fifteen districts, twelve endorsed the suggested solution. Area water board Nara stakeholders think that '*a disaster unit should be established in coordination with PDMA*'. Moreover, they proposed a full partnership with local farmers.

The stakeholder from Thatta, Mirpurkhas and Tando Allahyar, opposed the solution. They stated that the existing field units should be strengthened. In addition, the Government has already announced disaster management authority in Sindh by allocating all resources and facilities and establishing a new crisis unit will be duplication of work. They also underlined the presence of mismanagement in SIDA and IPD.

Generally, majority of the stakeholders endorsed the solutions; however, the solution has not been given the highest priority. The main reason is stakeholders' disbelief that the establishment of this unit would dramatically improve the situation during the crisis.



PROPOSED INTREVENTION

Brackish Water Fish Farming in LBOD Area

During the Phase I consultations, the stakeholders identified the following issues:

1. Livelihood for fishermen community of the area has declined
2. Decline fish production and species
3. Degradation of fisheries resources due to deterioration of the dhands water quality

The main solutions to the identified problems suggested and discussed by stakeholders at workshops was the introduction of brackish water fish farming in LBOD area, were the:

1. Construction of earthen fish ponds on private lands located in the command area of LBOD.
2. Establishment of brackish water fish hatcheries
3. Involvement of fish farmers in identification of areas for fishponds
4. Preparation and implementation of 'on-the-job' trainings to fish farmers for capacity building

The main objectives are to utilize saline water, make the areas productive and improve livelihood of people.

The consulted stakeholders in all district and area water board levels have endorsed the solutions. However, the stakeholders from the Nara CAW emphasized that '*prior to implementation of this scheme, water quality should be tested at least three times as it is likely that water contains some heavy metals*'. In addition, the stakeholder from Tharparkar endorsed the solution and suggested that fisheries should be environmentally friendly and farm holder should be trained on technical aspects for modern/scientific management.

The stakeholder from Thatta suggested that '*small fish farming may be introduced in Thatta Delta and Coastal area, not just around the LBOD System*'. The stakeholders from the Badin endorsed the solution but stressed that, fish farming near LBOD is impossible until the flow of hazardous and poisonous water from sugar mills stops. Although majority of the stakeholders endorsed this solution, only the stakeholders from Ghotki gave this solution a first priority while the stakeholders from Nawabshah ranked it as a second priority and stakeholders from NCAW and LBCAW gave it 3rd priority, remaining all other stakeholder did not give it higher priority.

PROPOSED INTERVENTION

Second Line of Defense for Left Bank of Indus D/S Kotri

The main issues identified during the Phase I of the Project by the stakeholder were the following:

1. Communities along the flood protection bunds feel vulnerable to flood havoc
2. Lack of proper disaster Management and Preparedness

3. Communities, particularly along the flood protection bunds and beyond, are apprehensive of unexpected breaches during floods.

The main solutions to the identified problems suggested and discussed by stakeholders at workshops was the Second Line of Defense for Left Bank of Indus D/S Kotri.

The consulted stakeholders from three districts, Badin, Mirpurkhas and Tando Allahyar and all three AWB have endorsed the solutions. The stakeholders of remaining twelve districts opposed the solution. Stakeholders of those districts suggested that the original bunds be repaired, rehabilitated and strengthened (from Guddu to Thatta) instead of building a second line of defense. According to the stakeholders of Naushahro Feroze, the original bund should be repaired through an internationally trusted company.

Generally, majority of the stakeholders did not endorse the solutions and the solution has not been given the highest priority.

PROPOSED INTREVENTION

Ghotki SCARP (Saline Zone)

The main issues identified during the Phase I of the Project by the stakeholder were the following:

1. Farmers in areas without any drainage infrastructure/network desire that drainage projects are constructed in their respective areas to control water logging and salinity menace, to reclaim arable land and to increase their farm productivity.
2. Because of lack of alternate livelihood opportunities, poverty and food insecurity is increasing

During consultations with the stakeholders, they suggested the reduction of those major problems by controlling the water table and by identifying the best alternative for the effluents.

The consulted stakeholders at all district and area water board levels have endorsed the solutions.

Badin and Thatta stakeholders have not endorsed nor rejected as the solutions are not applicable to these two districts. The consulted stakeholders gave some additional suggestion. The stakeholder from Sukkur and Khaipur suggested South Khaipur saline/sweet water project should be reopened. The stakeholder from Ghotki pointed out that this area has already at some places the drainage system which is not in working properly. They especially talked about the Karo Naro drainage channel established during the British regime.

The stakeholder from Naushahro Feroz pointed out that if tube wells start working properly, water logging & salinity would automatically be controlled and reduced. The stakeholder from Nawabshah highlighted that high Delta crops like sugar, banana and rice should be restricted in the district. Plantation of Eucalyptus and conic ropes may be promoted. Bio saline agriculture and fish ponds should be introduced.

Stakeholders from LBCAWB suggested that Mangrove plantation should also be encouraged to control water logging and salinity. Stakeholders from GFAWB re highly concerned about the issue suggested to that Government should take more action as in Punjab the land

production is much higher than in Sindh. They also think that the Government ban on some crops such as rice should strictly be implemented to control water logging problem.

The majority of consulted stakeholders has endorsed the solutions but out of fifteen districts only the stakeholders from Nawabshah has given this solution a first priority. The stakeholders from T.M.Khan, Sukkur, Khairpur and GFCAWB put this solution on the second priority while the stakeholders from Noushero Feroz gave it a 3rd priority. All other consulted stakeholders gave a lesser ranking to this solution.

PROPOSED INTREVENTION

Rehabilitation of Coastal Wetlands

Following are the key issues and problems identified in the consultative workshops with stakeholders in support of the mentioned proposed intervention:

1. Failure of the Cholri weir and breaches in the bunds
2. The brackish water dhands have turned into marine
3. The entire ecosystem has changed affecting the fauna and flora of the dhand complex
4. The livelihood opportunities have dwindled
5. The dhands adjoining fertile lands have turned saline and degraded

The stakeholders suggested the following actions:

1. The dhands shall be provided with a bund about 1 km from the Tidal Link to allow breathing space for the tidal water
2. This 1 km distance should be occupied by mangrove plantation to minimize the erosion due to rains and tidal effects
3. The bund shall extend from the northern end of the dhands moving southwards and westward cordoning the entire dhand complex with a protection bund
4. From the KPOD side at a suitable firm ground, diversion canal should be provided with a gated structure to allow the storm water from KPOD to enter in dhands to a manageable capacity.
5. From southern side, a spillway channel should be provided to evacuate the dhands when the water level in dhands reach to a risky level

The proposed intervention was shared with the stakeholders at the consultative workshops in order to take their concurrence for solving above mentioned issues and problems. The stakeholders in the environment and natural resources groups discussed and endorsed the proposed intervention collectively. In general, a high priority was given to the scheme. The stakeholders of Nara canal area water board strongly recommended the intervention by putting this at number one in terms of ranking and suggested that methods of wetlands revival should also be addressed. Similarly, the stakeholders of Mirpurkhas and Tando Allahayar area strongly recommended the proposed intervention. While endorsing, the people of Nawabshah area shared the significance of the intervention that the water from river reaching at dhands may be preserved in dhands too. The people of Sanghar suggested that the bunds should not be above the land surface. The sweet water may be allowed in depressions and dhoras. Vegetation may be grown on both side of bund like trees of Babur, Sheesham, Neem and Eucalyptus.

The stakeholders think that the depressions along with the canals water or courses should be used as fish hatcheries. When there is more water, these depressions may be filled with fresh water that can be used at times when needed. The stakeholders of Tando Mohammad Khan area want to see a dhand named Kolab fully rehabilitated. This dhand covers around three hundred acres of area and is famous for fish production such as Dhangri. The dhand is covered with grass and beautiful birds mostly visit the dhand.

The stakeholders of Hyderabad and Matyari suggested that the rehabilitation process must be ensured with the participation of local communities.

PROPOSED INTREVENTION

Protective Plantation of Mangroves in the Coastal Areas of Left Bank

During the phase I consultations, the stakeholders identified the following issues:

1. Sea intrusion
2. Degradation of dhandhs
3. Natural disasters
4. Coastal erosion
5. Deforestation of mangroves
6. Decline of fish resource
7. Limited livelihood opportunities
8. Fragile coastal environment

The main solutions to the identified problems suggested and discussed by stakeholders at workshops was the protective plantation of mangroves in the coastal areas. The stakeholders suggested:

1. Survey for identification of potential areas for mangrove plantations
2. Raising of mangrove and salt resistant plant nurseries
3. Plantation of mangroves to protect wetlands and tidal link
4. Plant mangroves in blank mudflats in coastal areas (in backwater and frontage of sea)
5. Raising of salt-tolerant tree species in supra tidal zone

The stakeholders in all districts and area water boards have endorsed the proposed solutions. There was no any single objection to this solution. The stakeholders also suggested that a variety of mangroves must be selected according to the environmental condition. The stakeholders from Tharparkar suggested plantation of fodder trees including the Thar belt near Rehmki Bazar and Ropamari and Dhands. Prior to plantation or introduction of any variety, a proper environmental assessment should be conducted.

The stakeholders from LBCAW suggested a pilot project which should be implemented as role model for others. NCAW stakeholders suggested that in the area of Tidal Link where there is no mud other species like *khobar*, *kirar* should be planted.

Although the consulted stakeholders in all district and area water board levels have endorsed the solutions, only the stakeholders from four district; Mirpurkhas, Tando Allahyar, Umerkot and Tharparkar have given a first priority to this solution.

PROPOSED INTREVENTION

Shrimp and Mud Crab Farming in coastal areas of Left Bank

The main issues identified during the Phase I of the Project were the following:

1. Depleting fish resources
2. Reduced livelihood opportunities
3. Poverty spreading
4. Limited fishermen capacity

The main solutions to the identified problems suggested and discussed by stakeholders at workshops was the shrimp farming. The Coastal area became more suitable for shrimp and fin fish culture including crabs and lobster. Immense potentials exist to start commercial scale fish / shrimp farming. Fattening of mud crabs, green crab or mangrove crab has good potential in the area.

All consulted stakeholders in all district and area water board levels, have endorsed the solutions. The stakeholders from Thatta recommended that shrimps and crabs be introduced through farming and by providing training to local fish farmers. The stakeholders from Sanghar recommended that shrimps and mud crab be developed in coastal areas while stakeholders from LBCAWB suggested nurseries for shrimp and mud crab followed by a large level of local marketing.

Although the consulted stakeholders at all district and area water board levels have endorsed the solutions, only the stakeholders from Nawabshah gave it a first priority.

4 STAKEHOLDERS' FEEDBACK

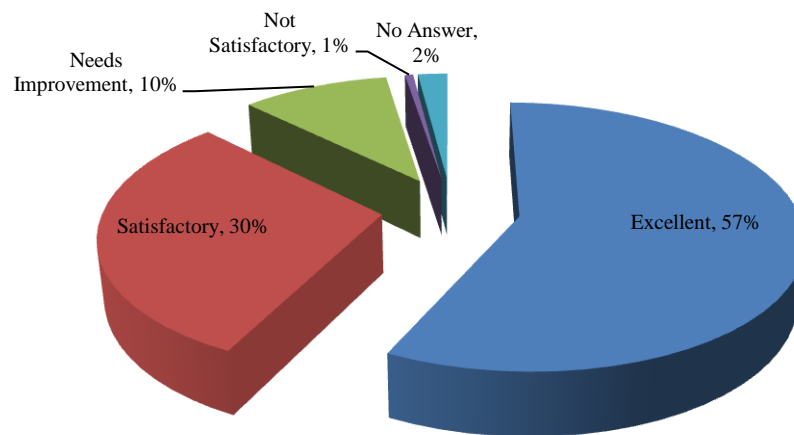
In order to improve the quality of coordination and interaction with the stakeholders, the feedback form with five questions was developed. The questionnaire helped to improve the quality of the workshops as per the stakeholders' expectations. The detailed feedback summaries are attached in this report at annex-XVIII. The summarized position of all feedbacks is given in table 2.5 and graphs 2.2 and 2.3.

Around 1,442 stakeholders were invited from different walks of life and 1,014 participated in the workshops. Out of these 1,014 participants, around 365 participants completed the feedback forms. The majority of the participants, (57%), commented the quality of workshops as "excellent", with 30% as "satisfactory" and 10% suggested improvements. Only 1% considered the workshops as non satisfactory and 2% did not answer the question. In response to question about the time allotted to the participants for the group discussions, the majority,(81%), replied that the time allotted was sufficient as against 16% who claimed that the time was insufficient.

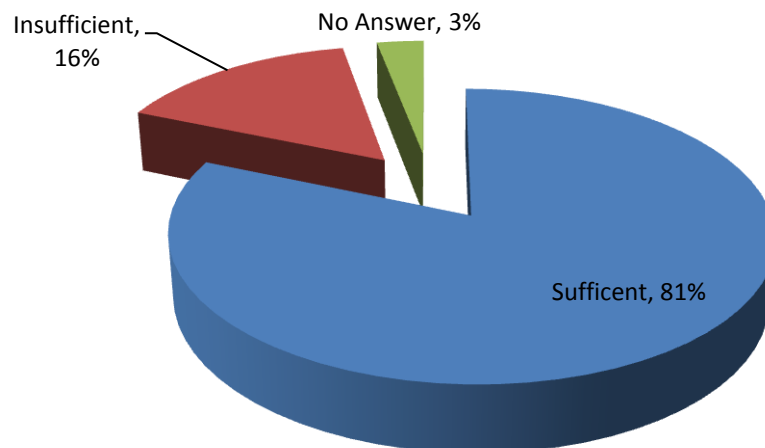
Table 4.1: Stakeholders' Feedback

S#	Question	Replies				Percentage				Completely filled feedback form	Filled incomplete feedback form
		Excellent	Satisfactory	Needs improvement	Not satisfactory	Excellent	Satisfactory	Needs improvement	Not satisfactory		
1	How would you rate the invitation to participate at the workshop?	205	110	35	2	57%	31%	10%	1%	98%	2%
2	What do you think about the organization and conduct of the workshop?	218	92	39	4	61%	26%	11%	1%	98%	2%
3	How would you evaluate the clarity and comprehensibility of the workshop presentations?	183	118	47	2	51%	33%	13%	1%	97%	3%
4	Would you evaluate the group work?	210	109	23	0	58%	30%	6%	0%	95%	5%
	Overall (Mean)	204	107	36	2	57%	30%	10%	1%	97%	3%
		Sufficient		Insufficient		Sufficient		Insufficient		-	-
5	How would you rate the time available for discussion?	291		56		81%		16%		97%	3%

Graph 2.2: Feedback on Workshops Quality



Graph 2.3: Workshop Time for Discussion



5. CONCLUSIONS / RECOMMENDATIONS

Based on the participatory approach; consultants, in collaboration with fifteen local NGOs and consortium of NGOs/civil society organizations, organized consultative workshops with major stakeholders. The stakeholders discussed in details and agreed with most of the proposed interventions. However, they pointed some important issues to be resolved before launching any mega project. Most important observations among them were capacity of the responsible departments, need of effective coordination among line departments and issue of corruption in government departments. The stakeholders had certain reservations on the issues and problems in relation with their districts. However, they appreciated the consultative process developed and followed by the Consultants' teams. The following are the major recommendations derived from the consultations with the stakeholders:

Social and environmental acceptance

1. Each megaproject must be discussed and agreed with concerned communities
2. Each intervention must be **environmentally justifiable and socially acceptable**
3. Forest trees may be grown everywhere at suitable locations on bunds and paths. All government departments with full participation of local communities, should be involved in tree plantation.
4. Capacity building of community should be done regarding crisis management along with the involvement of gender participation.
5. Wastewater treatment plants should be installed and Zamindari bunds be demolished in Katcha area. Human wastewater and industrial wastewater must be treated before using. All proposed interventions must be implemented by involving local stakeholders.
6. Fisheries should be environmental friendly and farm holder should be trained on technical aspects modern/scientific management.

Institutions and laws

1. There should be a strict control on corruption in the government departments in order to implement the project smoothly and upto the international standards.
2. There should be a provincial accord on drainage water in order to stop industrial wastewater coming to Sindh from other provinces.
3. There should be a steering committee of experts including local community members. The Provincial Irrigation Minister should be part of this Committee and the final report of this project should be weighted by this committee.
4. An Inter-Ministerial Committee should be made which should include ministry of health and relevant organizations as well to take actions to resolve health issues.
5. AWBs and FOs should be active, have regular meetings, and be aware about any risk related to flood, canal and maintenance work.
6. There should be strong communication between AWB and local stakeholders.
7. In addition to Disaster Crisis Unit, NDMAs and PDMAs Units should be coordinated and functioning at district levels
8. SIDA, Irrigation department, Agriculture department and Forest department should work with integration and develop close coordination with each other. Improvements in agriculture practices should be made.



9. Based on local participation, a monitoring committee for drinking water treatment units should be established that could perform the task of monitoring before and after

Various interventions

1. De-silting of the LBOD should be done at top priority before the incoming monsoon in order to solve problems related to LBOD; a separate XEN should be posted with a full responsibility of the LBOD alone, without other duties. This way, s/he will be responsible for the issues related to LBOD and it is expected that it may yield good results.
2. The SCARP VI waste water coming from Punjab has destroyed around 15,000 acres of fertile land in Ghotki area. Therefore, Punjab government must take pre-cautionary measures to stop flow of industrial waste water to Sindh.
3. Small ponds should be developed in the line of channels and minors for reservation of safe drinking water in the rural areas.
4. Dhandhs in Kacho area should also be revived. The original routes of water should be revived and rehabilitation of natural dhoras should be done and supported. The settlements along with the drains may be shifted, so that natural routes of water could be clear.
5. Encroachments and zamindari bunds must be restricted and existing bunds should be demolished as soon as possible.
6. Fish oil extraction units may be provided for sale of fish oil in the market places. Prawns and mud crabs be developed in coastal areas and their marketing channels may be provided for international marketing.
7. Water seeping from Rohri canal in the adjacent lands may be pumped back into the Rohri canal to protect the adjoining lands from water logging. Water courses coming out directly from Rohri canal or other canals may be closed.
8. Bio-technology and organic farming may be supported. Flood protection bunds may be repaired before any flood comes to avoid loss of lives, crops, animals and property. High delta crops should not be allowed in the area so that water logging and saliently problem could be solved.
9. In Thar area provision of drinking water to villages is a serious problem. Schemes for drinking water availability are essential where the underground water is brackish.
10. Kalankar Lake can be converted into a water retardation basin to conserve water of floods. This will be a storage basin. This area is located in Talka Umer Kot near Dhoro Naro desert area.
11. Desalinization plant shall be introduced to convert the saline water for irrigation and drinking. These plants shall be established through solar energy which will be economical in long term.



Flood

Before flood (Preparedness)

1. People should be given awareness and alerted in case of emergency
2. Establishment of the early warning system for checking and monitoring of the situation
3. Effective way of taking out flood water
4. A proper system of communication between administration and community

At the time of flood (Relief)

1. At the time of emergency, necessary machinery and volunteers must reach the affected area
2. Arrangement of electric pump for taking out flood water
3. Effective arrangement of food and medicines
4. Availability of boats and vehicles at the time of emergency
5. Provision of emergency shelters for the affected population

After flood (Rehabilitation)

1. Returning home affected communities
2. Intensive help for after-flood rehabilitation
3. Arrangement of reconstruction of destroyed infrastructure
4. Relief and aid to support livelihood

ANNEXURE

ANNEXURE I:- WSIP-I PHASE –II STAKEHOLDERS WORKSHOP HYDERABAD & MATYARI

Venue: Crystal Hall, Indus Hotel, Hyderabad
Date: June 30, 2011
Participants: 62

Arrangements

The arrangement of the workshop was made in a decent way at Crystal Hall Indus Hotel Hyderabad. Apart from presentation, four different groups were organized for discussion with the Stake Holders. The main objective was to indicate the solutions sorted out against the key issues identified by the stake holders of the study area. The stakeholders were made responsible to listen carefully the “Presentation” mainly based on the Intervention prepared for the entire Left Bank of Lower Indus area and to point out solutions with special reference of Hyderabad and Matyari districts. The following technical groups were organized.

Groups

1. Agriculture and Forest Group
2. Environmental Group
3. Drainage & Flood Group
4. Institutional and Socio Economic Group

Opening of Workshop

Workshop started a bit late due to the late coming of participants. Anwar Baloch performed as a stage secretary of workshop. The forum was opened with reciting of version from Holy Book (Al-Quran), after reciting Dr. Carlos Team Leader was requested to come on stage for welcome address to the participants. Dr. Carlos welcomed the participants and in sorted briefly about the project.

Opening remarks:

After the welcome address Mr. Nazeer Ahmed Memon, G. M Transition SIDA (Guest of Honor) was requested to come on stage for opening remarks. Mr. Nazir Memon briefly introduced about the objectives of Regional Plan and explained that now we are in second phase of the Project and consultants have completed the first phase in which key issues were indicated by the stake holders. On the basis of those issues consultants have prepared the solutions and interventions (Pre-feasibilities) for the Left bank of Lower Indus region. Therefore we are here to listen those pre feasibilities/ interventions carefully and discuss them during the Group discussions, if there are any comments or you (Stake holders) want to suggest some changes, will be appreciated and taken care of in our planning.

After the speech of Mr. Nazir Memon, Mr. Baloch introduced the team members of the consultants who have organized and participated in the workshop. Also the procedure adopted for presentation and Group discussion was told to the participants and they were (stake holders) requested to fully participate in the group discussions.



Presentation on Pre-feasibilities/ interventions

The Presentation was made by Dr. G.R Keerio on Multi-media, he fully explained about the objectives, issues indicated by stakeholders and interventions (Pre-feasibilities) prepared against each main key issues of the different locations in the study area

Tea break: After the presentation, the participants were requested to have light refreshment with a cup of tea.

Second Session:

The second session started with Group discussions in which four different groups were organized and participants were requested to select any group and discuss about the interventions prepared for the Regional plan. Over all, against each group is discussed as under.

Groups

1. Agriculture and Forest groups

For this group, list of participants was prepared by the group facilitator and team leader was selected by the group participants and Mr. Rehmatullah Turk was nominated as a group leader. The following proposals were suggested by the participants.

Participants:

- Mr. Sikandar Ali
- Mr. Chutto Mughal
- Mr. Allah Dino
- Mr. Mohammad Hashim
- Mr. Mohammad Aslam Samo
- Mr. Bashir Ahmed
- Mr. Amir Mohammad
- Mr. Allah Jurio
- Mr. Mohammad Hassan
- Mr. Mohammad Arif
- Mr. Syed Abdul Rahman
- Mr. Rahmatullah Turk
- Madam Irshad Memon
- Mr. Hoondal Noohpoto
- Mr. Aftab Ahmed
- Mr. Noor Mohammad
- Mr. Umed Ali
- Mr. Yar Mohammad
- Mr. Syed Imran
- Mr. Ali Bux
- Mr. Nawab Gulzar
- Mr. Atta Mohammad
- Mr. Allah dad

Agriculture

- SCARP tubewells be made functional and new tubewells be installed to reduce problem of waterlogging.
- All the canals and distributaries be lined to reduce water losses and seepage.
- Embankments of irrigation canals be planted with tress.

- Incentives be given to landlords for biological drainage so that the water logging be reduced and those lands be improved.
- Fish ponds be encouraged to use brackish water of LBOD system through incentives by SIDA to fish farmers.
- Industries that create pollution through their wastewater disposal be bound to pay cuss which should be utilized for treatment of waste water.
- Desalinization plant shall be introduced to convert the saline water for irrigation and drinking. These plants shall be established through solar energy which will be economical in long term.
- Pollution created by agro-chemicals be minimized to reduce the pollution in aquifer.
- Biological control be promoted instead of chemical control.
- Farmyard manure be used as a substitute of chemical fertilization.

Forests

- Lease policy for forests must be stopped.
- Forest land shall be declared as environmental and economic development zone.
- Deforestation must be checked and aerial seeding in forests be adopted.
- Rehabilitation process must be ensured with participation of local community.
- Incentives should be given to private land owners for plantation of trees in blocks (Hurries).
- Illegal occupation of forest be evacuated.
- Irrigation department must ensure the supply of allocated water for forests only and not for any other purpose.
- Allocation of irrigation water for trees of Hurri be increased specifically as is being done for growing of fruit crops and gardens.

2. Environmental Group

The participant selected Dr. Muharam Ali as a group leader. The stake holders took keen interest in the group discussions and following suggestions were made for improving the environmental atmosphere of the area.

Participants:

- Mr. Majid Joyo
- Mr. Abdul Saleem
- Mr. Faiz Darya Shah
- Mr. Hizbullah Mangrio
- Mr. Ghulam Hussain Burdi
- Ms. Uzma Aziz
- Mr. Toqeer A Shaikh
- Dr. Muharam Ali
- Mr. Syed Mohammad Shah
- Mr. Syed Zulfiqar Ali Shah
- Mr. Syed Usman Shah
- Mr. Masroor A. Shahwani
- Mr. Lal Chand
- Mr. Ram Chand

Suggestions:

- Water treatment plant, through patricianly approach
- Community involment
- Re-forestation
- Capacity Building/ awareness
- LBOD (acaesia)
- Water Supply System (specially in villages)
- Down stream Kotri 35 MAF must be ensured.
- Rain water potential must be properly utilized.
- Proper utilization of available resources.
- To promote organic farming.

3. Drainage and Flood Group

The participants nominated Ms. Sahar Rizvi as a group leader. As the matter was concerned with Matiari and Hyderabad Districts the following suggestions for interventions were given by the group

Participants:

- Ms. Sahar Rizvi (Group Leader)
- Mr. A. Rahim
- Mr. Suleman Soomro
- Mr. Arshad Mallah
- Mr. Arshad Ali Detho
- Ms. Shakila Leghari
- Mr. Mohammad Saleh Samo

Suggestion:

- Industrial effluent should not be disposed off into irrigation channels. Drainage water of Hyderabad district should be disposed off into a separate channel rather than Fuleli or other canals.
- Bunds of River Indus along Hyderabad district should be rehabilitated. Option of 1st defence line is feasible.
- Encroachments and zamindari bunds must be restricted and existing bunds should be demolished as soon as possible.

4. Institutional and Socio-economic Group

The participants nominated Ms Najma Mallah, a lady from Soorat Samaji Organization, the group played a good role in suggesting good solutions as under.

Participants:

- Ms. Najma Mallah (Soorat Samaji Organization)
- Doctor Asho Thama Coordinator HRCP (Human Rights Committee of Pakistan)
- Mr. Wahab Pandhrani Regional Officer DCHD (Democratic commission for Human Development)
- Ms. Shahina Ramzan Head of Bhundar Sanghat
- Ms. Shahida teacher
- Ms. Saima student

Problem / issues	Proposed solutions in phase -I consultations Workshop Dated 25 th Sep 2010 at Hyderabad Dated 16 th Oct 2010 at Matiari	Priorities /Ranked solution by group in Phase –II consultation workshop
Lack of Water	Introduction of water conservation Technology such as: <ul style="list-style-type: none"> ▪ land Laser Technology (endorsed by group) ▪ Zero Tillage Technology (group did not understand terminology) ▪ Basin Irrigation Technology ▪ Cultivation of low delta crop ▪ Awareness creation campaign 	<ol style="list-style-type: none"> 1. Drip Irrigation. 2. Cultivation of low delta crop 3. There must be a policy on settlement and plotting on agricultural land.
Inequitable water distribution	<ul style="list-style-type: none"> ▪ Empowerment of FOs(endorsed by group) ▪ Ensured authorized supply of Water on regular basis.(endorsed by group) 	<ol style="list-style-type: none"> 1. Measuring Instruments (water gauge) must be installed on water courses. 2. FO monitors distribution activities. 3. There must be democrat process of FOs selection and distribution of water.
Lack of income generation activities	<ul style="list-style-type: none"> ▪ Launch support program for local community like NGOs, Khushhali Bank, Micro Finance Bank etc...for goat farming, poultry farming, flower culture etc 	<ol style="list-style-type: none"> 1. Introduction of modern livestock management technology for income generation and livelihood. 2. Empower home based industries like crafts and vocational centers and their marketing.
Poor quality of pesticides\insecticides	<ul style="list-style-type: none"> ▪ District government should play role. Ensure the availability of good quality through relevant department .(endorsed by group) 	<ol style="list-style-type: none"> 1. Quality control authorities should monitor pesticides\insecticides and their advertisements. 2. Use of natural fertilizers and bio pesticides like (neem oil). 3. Only registered companies should be allowed to operate.
Job preferences to outsiders	<ul style="list-style-type: none"> ▪ In WSIP, preference and priority should be made to give 	<ol style="list-style-type: none"> 1. Open job skilled centers. 2. Priorities to accommodate local



	<p>job to local people..(endorsed by group)</p> <ul style="list-style-type: none"> Contractors must be advised in this regard, similarly other departments. 	<p>contractors</p> <p>3. Outsiders should not be allowed by local government law and policies.</p>
Lack of proper rates for crop production	<ul style="list-style-type: none"> Minimize the role of middle-man by giving loan from the relevant department. . (endorsed by group) 2nd number ranking 	<ol style="list-style-type: none"> Rate regular Authority should be established in local areas. Middle-man role and practices should be totally discouraged. There must be a crop insurance policy for damages and disasters. Introduce Standards meeting crop seeds. There must be government policy for crop cultivation as per country's requirement. Establish crop storage warehouses.

GENDER MAINSTREAMING IN IRRIGATION AND DRAINAGE SECTOR

Problems\Issues	Proposed Solutions in phase –I consultations	Priorities\Ranking solutions by group
No participation of women in Planning\Designing of irrigation project\schemes at decision making level	<ul style="list-style-type: none"> Under consultations with stakeholder women must be held. The team designing\planning the irrigation project\schemes must include gender specialist to realize women needs There must be the government rule for women to at least give their suggestion in decision making and this law must be implemented by the government or a private irrigation organization. (Not properly discussed due to limited time) 	<ol style="list-style-type: none"> FO representation should be in a equal numbers. Land related documentation and income should be in women name and hand.
Incidents of children's death due to playing on banks or shoulders of structure	<ul style="list-style-type: none"> The consultations with women must be held foe social aspects associated with proposed drainage scheme. The consideration\realization of women needs should be considered at the time of planning\designing of a drainage scheme. 	<ol style="list-style-type: none"> There must be fencing along water schemes. Install sign boards for awareness of community At water schemes emergency centers should be open.
Landless farmers\women are not allowed to use the	<ul style="list-style-type: none"> Government project or schemes should not be in personal control of any person. 	Not came under discussion due to limited time (1 hour).



available water resources on their own area.	<ul style="list-style-type: none"> Government agencies, NGOs or private schemes must play their role to facilitate the consumption of water and help the local people to resolve the conflicts regarding this. 	
Dirty irrigation water used for livestock, washing and drinking, causes diseases in community.	<ul style="list-style-type: none"> Water structures should be separated for livestock\washing, drinking. Awareness raising programs must be conducted for women on livestock management. 	Not came under discussion due to limited time (1 hour).
Stagnant water in front of houses causes problems for women.	<ul style="list-style-type: none"> Proper drainage in villages should be constructed. 	Not came under discussion due to limited time (1 hour).
Institutional Development		
This sector was not discussed and it was related with operation and maintenance in previous workshop PHASE-I, time was limited too.		

Closing Remarks and Vote of Thanks

After the group discussions, each team Leader presented their suggestions and decisions before the forum. In the end closing remarks were given by Mr. Nazir Ahmed Memon, G. M (Transition) SIDA and with a vote of thanks by Dr Carlos.



ANNEXURE II:- WSIP-I PHASE –II STAKEHOLDERS WORKSHOP BADIN

Venue: Darbar Hall Badin

Date: 5th July 2011

Participants: 41

Arrangements:

The arrangement of workshop was conducted at Darbar Hall Badin. The participants were sent in advance the Project pamphlet so they could familiarize themselves with the objectives of the project. The workshop was conducted in two sessions: opening with presentation and group discussions. The discussion was organized around the following main themes:

1. Drainage
2. Flood
3. Scio-Economic and Institutional
4. Environment

The workshop proceedings were organized around the Pre-feasibilities/ interventions by introducing the weightage proforma. This proforma indicated the different interventions suggested by the stakeholders during the previous wave of the consultations and these were to be discussed during the Group discussions. This enabled the stakeholders to go through the pre-feasibilities prepared against the main key issues of the area. In case the interventions suggested by the stakeholders at previous consultations were not accepted by the stakeholders, they were given the opportunity to suggest alternate structural or nonstructural solutions against any key issue with explanation of their views.

Opening of Workshop

Workshop was started a bit late due to the late coming of participants. Mr. Anwar Baloch lead the proceedings of the workshop. The forum was opened with the recitation of version from the Holy Book (Al-Quran). Mr. Noor Mohammad Memon and Mr. Umar Karim from PCMU joined the workshop, where as Mr. Parvez Bhaban Assistant Manager participated as representative from SIDA.

Mr. Noor Muhammad Memon, PCMU, was offered the guest of honor and delivered the opening remarks.

Presentation:

Dr. G. R. Keerio lead a comprehensive presentation about the Regional Plan objectives covering the whole area from the coastal belt to Ghotki. He explained the key issues indicated by the stakeholders during the first phase of the project with the special reference to the problems of Badin and Thatta districts and the interventions suggested. The stakeholders were listened the outlined interventions and given the opportunity to discuss each suggestion during the Group discussions, suggest any change in the presented interventions/pre-feasibilities and give their reasons for changes, so that consultants can include and review it from the technical and engineering aspects.

SECOND SESSION

Group Discussions:

The main discussion was conducted in the groups formed around the main themes. Each group was requested to select the Team Leader who can present and explain to the workshop participants the groups' views, decisions and suggestions made for each intervention.

Drainage Group:

The stakeholders nominated Mr. Khadim Hussain Talpur as a group leader. The following is the summary of the group discussion.

1. Rehabilitation of spinal and KPOD - the group agreed to carry on the investigation/ studies for this pre-feasibility.
2. Remodeling of DPOD to 4000 cfs – the group agreed but there was a strong resistance by few members.
3. Rehabilitation of SCARP Tube wells was agreed.
4. Remodeling of Nawabshah, Sanghar, Mirpurkhas components and Rehabilitation of Badin area was also agreed, subject to the condition that “Badin area Drainage” should only be rehabilitated but not allowed for remodeling
5. For the transition of SCARP fresh Ground Water Tube wells they were of view that it is not concerned with Badin area, hence concurrence may be obtained from the stakeholders of the area where this project is functioning.

Additional Comments:

1. There were some suggestions from few members that Tidal Link may be plugged at Raj Malik location.
2. Suggestion from the few members to close the northern side of Tidal Link by construction of protection bund and the southern side should be left as such.

Flood Group:

The following decisions were made by the flood group.

1. Diversion of storm water from LBOD to Thar area was discussed, Ok signal was given but some people have reservations for not allowing the drainage effluent into Thar area.
2. Construction of 1 Km long bund for Tidal Link was agreed and given the Ok signal by stakeholders
3. Plantation of Mangroves belts along Tidal Link was agreed.
4. Construction of channel from KPOD side for water diversion to wet lands was allowed by the stakeholders.
5. Construction of spillway to release extra water from wet hands (Dhands) was agreed by the group.

Socio-Economic & Institutional Group:

The following decisions were taken by the group and team leader Mr. Hyder:

1. Disaster Crises Management unit in SIDA was agreed by group members.
2. Preventive maintenance program for SIDA within canal commands of AWBs was agreed.
3. Establishment of drinking water treatment plants/units by relevant agencies was agreed by the group members.
4. Waste water treatment plants at source should be installed by the concerned agencies was agreed by the group members.

Environment Group:

1. Protective plantation of mangroves in coastal area agreed by group.
2. **Fisheries:** Shrimp and mud crab culture in coastal area should be developed and agreed by the group members.
3. Introduction of brackish water fish in LBOD system area should be encouraged and developed and agreed by the members.



4. Conjunctive/cyclic use of drainage water for forestation in forest and farm lands may be encouraged. This was agreed subject to the condition that quality of drainage effluent should be checked before using it for irrigation purpose.
5. Promotion of Bio-saline agriculture for raising salt resistant crops and trees in Kotri surface drainage system was highly appreciated and agreed by the group members.

Closing Remarks:

The closing remarks were delivered by Mr. Parvez Bhaban, representative from SIDA. He explained about the SIDA's role as a client for this regional plan of left bank of Lower Indus. He further appreciated the work of the Louis Barger and Indus Consultants for the second phase of WSIP-I project.

Vote of Thanks:

At the end of conference, Dr. Mohammad Saleh Soomro thanked the audience for listening carefully the whole program and also given good suggestion/decisions regarding the pre-feasibility/ interventions prepared for different aspects related to drainage, flooding, socio-economic and environmental condition of the study area.



REGIONAL PLAN PHASE II – SOLUTIONS

DRAINAGE

District: _____ **BADIN** _____ **Venue:** _____ **DARBAR HALL, DCO Office** _____ **Date:** _____ **05-07-**
2011 _____

Sr. #	Intervention proposed by the stakeholders	Ranking by the stakeholders	Concurrence by the stakeholders	In case of disagreement additional/alternative intervention suggested by the stakeholders	Reasons for rejection of the proposed solution	Group leader signature
1.	Rehabilitation of spinal drain and KPOD	1	Ok			
2.	Remodeling of DPOD to 4000 cfs	2	Ok			
3.	Rehabilitation of SCARP Tubewells	1	Ok			
4.	Remodeling of Nawabshah, Sanghar, Mirpurkhas components and rehabilitation of Badin area drainage	1	Ok, subject to the conditions as mentioned in column. 05.	Rehabilitation allowed only for component project but not for Badin Drainage area		
5.	Transition of SCARP fresh water tubewells	Not concerned with Badin area				



SINDH WATER SECTOR IMPROVEMENT PHASE-I PROJECT
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6.	Identification of best method for solving water logging and salinity	Not concerned with Badin area		
7.	Analyze and prepare strategy for Govt of Sindh to check disposal SCARP-VI project	Not concerned with Badin area		
<p>Additional comments: Suggestion by Drainage Group to plug the Tidal Link at Raj Malik Location. Suggestion by Drainage Group to close the northern side of Tidal Link by Construction of protection Bund where as the southern side may be left as such.</p>				



Members of Drainage Group

1. Mr. Allah Bachayo Jamali
2. Mr. Muhammad Khan
3. Mr. Haji Muhammad Nawaz Memon
4. Mr. Abdul Majeed Baloch
5. Mr. Khadim Hussain Talpur (Team Leader)
6. Mr. Abdul Shakoor
7. Dr. Abdul Latif Khaskheli
8. Mr. Muhammad Bukhush Mandhan
9. Mr. Sattar Warar
10. Mr. Bhagat Sono Mal

From PCMU:

Mr. Noor Muhammad Memon

Group Facilitators:

Dr. G.R Keerio and Mr. Anwar Ali Baloch

SIDA Representative:

Mr. Parvaiz Rajpar



REGIONAL PLAN PHASE II – SOLUTIONS FLOODING

District: _____BADIN_____ **Venue:** _____DARBAR HALL, DCO Office_____ **Date:** _____05-07-2011_____

Sr. #	Intervention proposed by the stakeholders	Ranking by Stakeholders	Concurrence by the stakeholders	In case of disagreement additional/alternative intervention suggested by the stakeholders	Reasons for rejection of the proposed solution	Group leader signature
1.	Diversion of storm water from LBOD to Thar area	6	Ok but some people have strong resistance	-	-	Signed Mir Khadim Talpur Group Leader
2.	Construction of 1 Km long bund from Tidal Link.	2	Ok	-	-	
3.	Plantation of mangroves belts along Tidal link	1	Ok	-	-	
4.	Construction of channel from KPOD side for water diversion to wetlands	2	Ok	-	-	



SINDH WATER SECTOR IMPROVEMENT PHASE-I PROJECT
Preparation of Regional Plan for the Left Bank of Indus, Delta and Coastal Zone



5.	Construction of spillway to release water from wetlands	3	Ok	-	-	
6.	Diversion of flood water upstream Sukkur Barrage	7	Not concerned	-	-	
7.	Second line of defence for Indus bunds from Hyderabad to Thatta - Sujawal bridge	5	Ok but it also be prepared for the area	-	-	
8.	Construction of raised platforms to protect people and livestock	8	Not concerned but it have been in coastal area	-	-	
Additional comments:						
Nil						



Members of Drainage Group:

11. Mr. Allah Bachayo Jamali
12. Mr. Muhammad Khan
13. Mr. Haji Muhammad Nawaz Memon
14. Mr. Abdul Majeed Baloch
15. Mr. Khadim Hussain Talpur (Team Leader)
16. Mr. Abdul Shakoor
17. Dr. Abdul Latif Khaskheli
18. Mr. Muhammad Bukhush Mandhan
19. Mr. Sattar Warar
20. Mr. Bhagat Sono Mal

From PCMU:

Mr. Noor Muhammad Memon

Group Facilitators:

Dr. G.R Keerio and Mr. Anwar Ali Baloch

SIDA Representative:

Mr. Parvaiz Rajpar



REGIONAL PLAN PHASE – II SOLUTIONS DEGRADATION OF ENVIRONMENT AND NATURAL RESOURCES

District: Badin Venue: Darbar Hall DCO Office Date: July 05, 2011

Sr. No.	Intervention proposed by the stakeholders	Ranking by the stakeholders	Concurrence by the stakeholders	In case of disagreement additional/ alternative intervention suggested by the stakeholders	Reasons For rejection of the proposed solution	Group leader signature
	Mangroves		Yes			
1.	Protective plantation of mangroves in coastal area		Yes			
2.	Plantation of trees is must, specially the Babool (Baber), Baid Mushk, Sufaida and other valuable species.		Yes			
	Fisheries					
3.	Shrimp and mud crab culture in coastal areas		Yes			
4.	Introduction of Brackish water fish in LBOD system area (Not possible till stoppage of hazards chemical water of sugar mills)		Yes (Conditional)	Fish farming near LBOD is impossible till the stoppage of hazards water of sugar mills etc.		
	Forest					
5.	Conjunctive/cyclic use of drainage water for forestation in forest and farmlands		Yes (Conditional) see note		Group strongly recommend that forestation on drainage water is	



					only possible after ensuring the cleaning of polluted water.	
	Water Scarcity – Land Degradation					
6.	Promotion of bio saline agriculture of raising salt resistant crops and trees in Kotri Drainage Basin		Yes			
7.	Safe water few drinking filter plants be provided		Yes			
8.	Bund around the Dhands		Yes		Use LBOD water in Dhands only if sugar mill effluent is stopped.	
	Notes: <ol style="list-style-type: none"> 1. Group strongly recommends that effort should be taken/strategy should be defined to stop the hazards wastage of sugar mills etc. as first priority in the sector of environment. 2. Group agreed for wall construction at the sea side of all Dhands located in the west side of Tidal Link for protection of local fish. 3. Safe water schemes should provided as per need assessment of community with their strong participation. 4. Water ponds should be constructed. 					



Members of Environment Group

Sr. No.	Name	Organization	Contact
1.	Mr. Ghulam Mustafa Dal	Association for poverty alleviation (ADA)	0333-2527287
2.	Mr. Mir Lakhi	SSER	0333-2527072
3.	Mr. Muhammad Abdullah Chandio	SNDS Kadhan	0333-2531514
4.	Mr. Abdul Latif Zargar	Badin Press Club	0333-2520771
5.	Mr. Ghaffar Khoso T.L	Roshni Tarqati Tanzeem	0344-3097985
6.	Ms. Hajan Kori	Bhag Association for Social Environment (BASE) Badin	0346-8251994
7.	Mr. Ghulam Mustafa Jamali	Shed President Kawish	0345-3233570
8.	Mr. Muhammad Ali Jamali	Shed Gen: Secretary	0333-2520698
9.	Mr. Shabeer Chandio	(EDA) Badin (President)	0333-2524528
10.	Mr. Kashif Zaur	Rahnuma FPAP Social Organizer	0333-2527187
11.	Dr. Zain-UI-Abdin	Mandan D.O Live-Stock Badin	0302-3053625
12.	Mr. Mithal Mallah	Fisher Folk Form	0336-3351498
13.	Mr. Muhammad Ishaq Bajeer	L.S.O Kadhan	0333-2532497
14.	Mr. Allaha Bachayo	President Press Club Kadhan and Joint Sec S.N.D.S	0334-2045724
15.	Mr. Suleman Soomro	DAWN/Gen: Sec	0332-2522952 0315-2522952

Group Facilitator:

Dr. M. Saleh Soomro



REGIONAL PLAN PHASE II – SOLUTIONS SOCIO-ECONOMIC AND INSTITUTIONAL

District: _____ Badin _____ Venue: _____ Darbar Hall DCO Office _____ Date: _____ 5 july, 2011 _____

Sr. #	Intervention proposed by the stakeholders	Ranking by the stakeholders	Concurrence by the stakeholders	In case of disagreement additional/alternative intervention suggested by the stakeholders	Reasons for rejection of the proposed solution	Group leader signature
1.	Disaster Crisis Management Unit in SIDA	4	Yes			Signed By Group Leader
2.	Preventive maintenance program for SIDA within canal commands of AWBs	2	Yes			Signed By Group Leader
3.	Establishment of drinking water – water treatment plants/units by relevant agencies	1	Yes	Construct small ponds for the storage and purification of surface drinking water for the rural area. Responsibility: AWB		Signed By Group Leader



SINDH WATER SECTOR IMPROVEMENT PHASE-I PROJECT
Preparation of Regional Plan for the Left Bank of Indus, Delta and Coastal Zone



4.	Wastewater treatment at source by concerned agencies	3	Yes	EPA should ensure treatment plants establishment in Sugar mills.		Signed By Group Leader
<p>Additional comments:</p> <ul style="list-style-type: none">- DCM unit should function in the SIDA. FOs should be active and have regular meetings conducted and made aware about any risk related to flood, canal and maintenance work.- AWB should be functional in the relevant area. Ensure strong communication between AWB and local stakeholders.- SIDA should install waste water purification plant to make that water drinkable.- For drinking water, small ponds should be developed in the line of channels and minors for reservation of safe drinking water to the rural areas.- Trainings should be conducted for awareness and skill development that how to level unbalanced agriculture land to get more production.						



Members of Socio-Economic Group:

- Mr. Hyder Ali, DEM, HANDS (Group Leader)
- Ms. Nusrat, RPSM, NRSP
- Ms. Miryam, JS, SSER
- Ms. Farheen, M, SSER
- Ms. Hamedra, M, SGA
- Ms. Rop, President, AJP
- Mr. Kashif, Member BDRO

Group Facilitator:

Ms. Zakia, Sociologist



ANNEXURE III:- WSIP-I, PHASE – II STAKEHOLDERS WORKSHOP THATTA

Venue: Makli Gymkhana
Date: 09-07-2011
Participants: 44

Arrangements:

A phase II consultative workshop with stakeholders for left bank of Thatta district was organized by LBG and Indus Associated Consultants and held on 9th July, 2011 at Makli Gymkhana Thatta. The workshop was attended by 44 stakeholders from left bank Talukas of Thatta district i.e Jati, Sujawal, Shah Bander and Mirpur Bathoro. The principal objective of the workshop was to present and discuss the solutions/interventions for already identified issues and problems during phase I study mainly pertaining to drainage, flooding, environment, natural resources, socio-economic and institutional in the left bank of Indus, delta and coastal area.

The workshop was chaired by Dr. Haji Khan Keerio an experienced and senior stakeholder of Thatta district having a vast experience and knowledge of the project area especially for the coastal zone and delta of Sindh, its natural resources including water, natural resources, land and issues and problems in the project area. Mr. Masroor Shahwani and Mr. Ali Akbar Khatian, both from SIDA also attended and monitored the workshop.

Prior to workshop/during registration all the stakeholders were provided the brochure of WSIP-I and Regional Master Plan, copy of presentation, writing pad and writing material (Pen and markers) etc.

Introduction about the consultative workshop

After recitation from Holy Quarn Mr. Anwar Ali Baloch Land Use Planning Expert of LBG and Indus Associated consultants gave a detailed introduction of the project area, background of the assignment of Preparation of a Regional Master Plan for left bank of Indus, delta and coastal area, its aims and objectives and purpose of conducting consultative workshops with the stakeholders. He also informed that after opening remarks by SIDA representative and presentation by Dr. G. R. Keerio Environmentalist/Ecologist, four focused groups of stakeholders will be formulated as under:

- Drainage group
- Flood group
- Environment and natural resources group
- Socio-economic and Institutional group

Participants were requested to join any group of their interest.

Opening remarks by Representative of SIDA

After introductory address Mr. Ali Akbar Khatian of SIDA (Guest of Honor) delivered opening remarks. He briefly introduced the WSIP-I project, objectives of the Regional Plan and participatory approach adopted by the consultants for preparing this plan. He informed that the study is being conducted in four phases by the consultants and its 1st phase has been completed in which consultative workshops at local, district, regional and national levels were conducted by LBG and Indus Associated Consultants in which the issues and problems of the project area were identified by the stakeholders and submitted to SIDA and the Government in a report form. At present this is phase II of the assignment in which the consultants are conducting consultative workshops in each district located in the study area in

which they will arrive at solutions/interventions of key issues already identified by the stakeholders of each district. The proposed interventions by the consultants for each issue will be presented before the stakeholders, discussed in this forum and any alternative proposals/interventions by the stakeholders will be recorded.

Presentation by the LBG/Indus Associated Consultants

Dr. G. R. Keerio of LBG and Indus Associated Consultants gave a detailed multi-media presentation before the participants explaining the objectives of consultative workshop, solutions of the identified issues and problems pertaining to drainage, flooding, environment and natural degradation and socio-economic and institutional aspects of the study. Following interventions were presented in each aspect of the study:

Drainage	07 interventions
Flooding	08 interventions
Environment & NR	5 interventions
Socio-economic and Institutional	04 interventions

After presentation the participants were divided in four groups for discussion and concurrence.

Comments/Concurrence of the stakeholders on proposed interventions

Stakeholders' concurrence on each intervention and alternate intervention proposed by the stakeholders are given in format designed by the consultant. The participants of each group selected a group leader who presented the findings of their group in a plenary session before the stakeholders.

The format and comments/additional interventions are appended herewith.

Concluding remarks by SIDA representative

After group work and presentation by the group leaders Mr. Masroor Shahwani concluded the session in which he expressed his satisfaction on the conduct and outcome of the consultative workshop. He thanked the stakeholders for their interest and inputs in the workshop and also appreciated the efforts of LBG and

Indus Associated Consultants for hard work in organizing and presenting various interventions in the workshop for phase - II.

Vote of Thanks and Conclusion

Mr. Anwar Ali Baloch thanked all the participants who have come from far areas to attend the workshop but also providing their inputs and concurrence on the proposed interventions during the workshop. They were also requested that in case they have further inputs/suggestions they are welcome to send us through e-mail or any other source of communication within 5 days of this workshop.



REGIONAL PLAN PHASE II – SOLUTIONS

DRAINAGE

District: Thatta Venue: Gymkhana Date: 09/07/2011

Sr. #	Intervention proposed by the stakeholders	Ranking by the stakeholders	Concurrence by the stakeholders	In case of disagreement additional/alternative intervention suggested by the stakeholders	Reasons for rejection of the proposed solution	Group leader signature
1.	Rehabilitation of spinal drain and KPOD		Ok			Signed By Group Leader
2.	Remodeling of DPOD to 4000 cfs		Ok			
3.	Rehabilitation of SCARP Tubewells		Ok	Yes may be rehabilitated and sweet water of tubewells may be given the preference		
4.	Remodeling of Nawabshah, Sanghar, Mirpurkhas components and rehabilitation of Badin area drainage		Ok	Yes may be rehabilitated and sweet water of tubewells may be given the preference		
5.	Transition of SCARP fresh water tubewells		ok	Yes may be rehabilitated and sweet water of tubewells may be given the preference		
6.	Identification of best method for solving water logging and salinity		Ok			



7.	Analyze and prepare strategy for Govt of Sindh to check disposal SCARP-VI project		Ok	Long term planning should be adopted		
<p>Additional comments:</p> <p>Within the group, Stake holders were not able to take any decision regarding the ranking of mentioned proposed interventions, they were of view that consultants can carry out the raking from structural and non-structural point of view.</p>						



Members of Drainage Group

S. No	Name
1.	Dr. Haji Khan Keerio (Group Leader)
2.	Dater Dino Jut
3.	Ramzan Jut
4.	Usman Jut
5.	Allah Dino Shah
6.	Hassan Khoso
7.	Muhammad Moosa Memon
8.	Ramzan Jut
9.	Muhammad Jut

Group Facilitator

Mr. Anwar Ali Baloch



REGIONAL PLAN PHASE - II
SOCIO-ECONOMIC AND INSTITUTIONAL

District: Thatta **Venue:** Gymkhana **Date:** 09/07/2011

Sr. #	Intervention proposed by the stakeholders	Ranking by the stakeholders	Concurrence by the stakeholders	In case of disagreement additional/alternative intervention suggested by the stakeholders	Reasons for rejection of the proposed solution	Group leader signature
1.	Disaster Crisis Management Unit in SIDA	-	No		Presently, Government has already announced disaster management authority in Sindh by allocating all resources and facilities therefore; we should cooperate and coordinate with that authority to avoid duplication of work.	Signed By Group Leader
2.	Preventive maintenance program for SIDA within canal commands of AWBs	1	yes			
3.	Establishment of drinking water - water treatment plants/units by relevant agencies	2	yes			



4.	Wastewater treatment at source by concerned agencies	2	yes			
Additional Comments Intervention No.2- It is come to know through past experiences that we did not set up the maintenance mechanism for the project. As the project come to end maintenance problems surface and there was no solution to cope up with these problems. Intervention No. 3&4 both ranked 2- Wastewater treatment at source by concerned agencies. As per our group opinion, interaction no 3 and 4 are interrelated. The establishment of water treatment facility at source may provide safe drinking water facility to the people living around the coastal belts of Sindh.						



Members of Social Group

Sr. No.	Name	Designation/Organization
1.	Zafar Wassan (Group Leader)	DFO Thatta
2.	Gul Hassan Jat	Village: Punhoon Jat
3.	M.hanif Temaro	Village: Yaqoob Temaro
4.	G.Mustafab Jat	Village: Mubarak Mallah
5.	Lemo Samajo	Village: Uris Samajo
6.	Sikandar Dandhal	Village: Ibrahim Dandhal
7.	M.Ameen Samejo	Village: Uris Samajo
8.	Shabir Ahmed Memon	Village: Haji Hussain
9.	Rajab Ali Memon	Village: Haji Hussain
10.	Ali Asghar Memon	Village: Haji Mohsin
11.	M.Ramzan Jat	Village: Pir G. Shah
12.	G.Qasim Hingorjo	Village: Uris Hingorjo
13.	M.Hashim Jat	Village: Ali Mohammad Jat
14.	Misri Jat	Village: Haji Siddique Jat
15.	Arbab Jat	Village: Haji Jeaned

Group facilitator:

Ms. Zakia Mangrio



REGIONAL PLAN PHASE - II

SOLUTIONS DEGRADATION OF ENVIRONMENT AND NATURAL RESOURCES

District: Thatta **Venue:** Gymkhana **Date:** 09/07/2011

Sr. #	Intervention proposed by the stakeholders	Ranking by the stakeholders	Concurrence by the stakeholders	In case of disagreement additional/alternative intervention suggested by the stakeholders	Reasons for rejection of the proposed solution	Group leader signature
	Mangroves					
1.	Protective plantation of mangroves in coastal area	2	Yes			Signed By Group Leader
	Fisheries					
2.	Shrimp and mud crab culture in coastal areas	3	Yes			Signed By Group Leader
3.	Introduction of brackish water fish in LBOD system area	--	Rejected	Small Fish farming may be introduced in Thatta Delta Area	LBOB System is not exist in Thatta Coastal Area	
	Forest					
4.	Conjunctive/cyclic use of drainage water for forestation in forest and farmlands	5	Yes	Forestation may be done on Fresh water rather than drainage water		Signed By Group Leader



SINDH WATER SECTOR IMPROVEMENT PHASE-I PROJECT
Preparation of Regional Plan for the Left Bank of Indus, Delta and Coastal Zone



	Water Scarcity – Land Degradation					
5.	Promotion of bio saline agriculture for raising salt resistant crops and trees in Kotri Drainage Basin	1	Yes	Availability of Fresh water for recharge of ground water and Land Rehabilitation due to sea intrusion		Signed By Group Leader
Additional comments: Shimps and crabs may be introduced through from faring and by providing training to local Fish Farmers.						



Members of Environment Group

S. No	Name	Organization
1.	Maqsood Abbasi (Group Leader)	S.R.R.D
2.	Haji	-
3.	Ghulam Hyder	Zamendar
4.	Khuda Bux Lashari	KWDO
5.	M. Luqman Lashari	KWDO
6.	Soofi Zamir Hussan	SRO
7.	Malook Hingorjo	-
8.	Akbar Ali Khatyan	SIDA

Group facilitator:-

Mr. Sajjad Hussain Larik



REGIONAL PLAN PHASE II – SOLUTIONS FLOODING

District: Thatta **Venue:** Gymkhana **Date:** 09/07/2011

Sr. #	Intervention proposed by the stakeholders	Ranking by the stakeholders	Concurrence by the stakeholders	In case of disagreement additional/alternative intervention suggested by the stakeholders	Reasons for rejection of the proposed solution	Group leader signature
1.	Diversion of storm water from LBOD to Thar area	1	Ok			Signed By Group Leader
2.	Construction of 1 Km long bund from Tidal Link.	1	Ok			
3.	Plantation of mangroves belts along Tidal link	1	Ok			
4.	Construction of channel from KPOD side for water diversion to wetlands	2	Ok			
5.	Construction of spillway to release water from wetlands	2	Ok			
6.	Diversion of flood water upstream Sukkur Barrage	4	Not concerned to coastal area but ok	-	-	
7.	Second line of defence for Indus bunds from Hyderabad to Thatta - Sujawal bridge	6	Do not agree	Prepare to rehabilitate existing bund-	-	



SINDH WATER SECTOR IMPROVEMENT PHASE-I PROJECT
Preparation of Regional Plan for the Left Bank of Indus, Delta and Coastal Zone



8.	Construction of raised platforms to protect people and livestock	3	Yes we support this. In coastal areas this is need to control rained plat forms	-	-	
Additional comments: No comments						



Members of Flooding Group

S. No	Name
1.	Muhammad Jut (Group Leader)
2.	Dater Dino Jut
3.	Ramzan Jut
4.	Usman Jut
5.	Allah Dino Shah
6.	Hassan Khoso
7.	Muhammad Moosa Memon
8.	Ramzan Jut
9.	Dr. Haji Khan Keerio

Group Facilitator
Dr. G.R Keerio



ANNEXURE IV:- WSIP-I PHASE –II STAKEHOLDERS WORKSHOP THARPARKAR

Venue: Conference Hall Deputy Commissioner, Tharparkar

No. of Participants: 55

Date: July 12, 2011

Arrangements of Consultative Workshop

A phase II consultative workshop with stakeholders of Tharparkar district was organized by LBG and Indus Associated Consultants and held on 12th July, 2011 in Conference Hall of Deputy Commissioner Tharparkar district at Mithi. The workshop was attended by 55 stakeholders from Tharparkar district. The workshop was organized to present and discuss the solutions/interventions for already identified issues and problems during phase I study pertaining to drainage, flooding, environment, natural resources, socio-economic and institutional in the left bank of Indus, delta and coastal area.

The workshop was monitored by Mr. Abdul Rashid Mahar from SIDA. Prior to workshop/during registration all the stakeholders were provided the brochure of WSIP-I and Regional Master Plan, copy of presentation, writing pad and writing material (Pen and markers) etc.

Introduction about the consultative workshop

After recitation from Holy Quarn Mr. Anwar Ali Baloch Land Use Planning Expert of LBG and Indus Associated consultants initiated the proceedings of the workshop by giving a detailed introduction of the project area, background of the assignment of Preparation of a Regional Master Plan for left bank of Indus, delta and coastal area, its aims and objectives and purpose of conducting consultative workshops with the stakeholders. He informed the stakeholders that although the Tharparkar district has no significant problems of drainage, flooding, environment and institutional/socio-economic aspects but considering the importance of this district in natural resources and desert ecosystem and associated environmental problems of desertification and supply of safe drinking water it was considered necessary to have inputs of stakeholders of this district and inform them that some interventions about Thar have been included in the regional. Any inputs of stakeholders in the regional plan methodology and proposed solutions of the problems will be welcomed and given a due weightage.

Mr. Baloch also informed that four focused groups of stakeholders will be formulated as under:

- Drainage group
- Flooding group
- Environment and natural resources group
- Socio-economic and Institutional group

Participants were requested to join any group of their interest and give their inputs/suggestions. Additional inputs/suggestions pertaining to Tharparkar district will be welcomed and after technical review will be incorporated in the regional plan.

Opening remarks by Representative of SIDA

After introductory address Mr. Abdul Rashid Mahar of SIDA (Guest of Honor) delivered opening remarks. He briefly introduced the WSIP-I project and objectives of the Regional Plan. He described the participatory approach adopted by the consultants for preparing this plan as previously the plans and schemes were being usually prepared in offices without consultation with the stakeholders of the area. In WSIP-I participatory approach was adopted in phase – I and issues and problems were identified by conducting 19 consultative workshops, one regional workshop at Hyderabad and a national workshop at Karachi. This shift in responsibilities from the government to the private people in managing the water channels is the crux of the project implementation also. So is the case in this assignment of preparation of Regional Plan in which the stakeholders have been involved through a participatory approach. He informed that the study is being conducted in four phases by the consultants and its 1st phase has been completed in which consultative workshops at local, district, regional and national levels were conducted by LBG and Indus Associated Consultants in which the issues and problems in the project area were identified by the stakeholders in these workshops and submitted to SIDA and the Government in a report form. This report is available for review by interested stakeholders on the website of SIDA. This is phase II of the assignment in which the consultants are conducting consultative workshops in each district located in the study area in which they will arrive at solutions/interventions of key issues already identified by the stakeholders of each district. The proposed interventions by the consultants for each issue will be presented before the stakeholders, discussed in this forum and any alternative proposals/interventions by the stakeholders will be recorded.

Presentation by the LBG/Indus Associated Consultants

Dr. G. R. Keerio of LBG and Indus Associated Consultants gave a detailed multi-media presentation before the participants explaining the objectives of consultative workshop, solutions of the identified issues and problems by the stakeholders pertaining to drainage, flooding, environment and natural degradation and socio-economic and institutional aspects of the study. He explained through maps and figures the project area, problems/issues created by the drainage projects including LBOD system, tubewells installed under SCARP programs, floods and cyclones, sea intrusion and harmful drainage effluents from industries, sugar mills, municipal sewage, pollution and southern Punjab area (SCARP VI). The interventions proposed by the consultants were also explained in detail with maps and figures.

Following interventions were presented in each aspect of the study:

Drainage	08 interventions
Flooding	08 interventions
Environment & NR	5 interventions
Socio-economic and Institutional	04 interventions

After presentation the participants were divided in four groups for discussion and concurrence.

Comments/Concurrence of the stakeholders on proposed interventions

Stakeholders concurrence on each intervention and alternate intervention proposed by the stakeholders are given in format designed by the consultant. The participants of each group selected a group leader who presented the findings of their group in a plenary session before the stakeholders. The groups on drainage, environment and natural resources and flooding



gave some additional comments and interventions which were recorded. The stakeholders emphasized on provision of drinking water in Thar area. Mr. Bhooro Mal Kolhi Advocate and President Tharparkar Bar Association also proposed/identified a suitable site in Chachro Taluka for meeting the requirements of sweet water to Thar Coal Project. His suggestions and literature authored and supplied by him to the consultants were appreciated. The format and comments/additional interventions are appended herewith.

Concluding remarks by SIDA representative

After group work and presentation by the group leaders, Mr. Abdul Rashid Mahar of SIDA was invited to express his concluding remarks. He expressed his satisfaction on the conduct and outcome of the consultative workshop. The interest and inputs of the stakeholders during the group work and presentation by them were also appreciated. He assured the stakeholders that their inputs and suggestions will be technically reviewed by the consultants incorporated by the consultants in the regional plan. SIDA representative also appreciated the efforts of LBG and Indus Associated Consultants for organizing this workshop at Mithi and presented various interventions in the workshop for phase II.

Remarks by Executive District Officer Tharparkar

Mr. Hosh Latif Unar EDO Community Development Department of Tharparkar district attended the workshop and was requested to give his remarks. He appreciated the efforts of SIDA and LBG/Indus Associated Consultants for preparation of a Regional Plan for left bank of Indus, Delta and Coastal areas. He thanked for conducting consultative workshop in Tharparkar district at Mithi and providing chance to people of this district to express their problems and advance their suggestions.

Vote of Thanks and Conclusion

Mr. Anwar Ali Baloch thanked all the stakeholders who have attended the workshop and reviewed the interventions with interest and gave their inputs and concurrence on the proposed interventions. He also thanked the group leaders for presenting the outcome of discussions within group. The stakeholders were also requested that in case they have further inputs/suggestions they are welcome to send us through e.mail or any other source of communication within five days of this workshop.



REGIONAL PLAN PHASE II – SOLUTIONS

DRAINAGE

District: Tharparkar **Venue:** Darbar Hall **Date:** 12/07/2011

Sr. #	Intervention proposed by the stakeholders	Ranking by the stakeholders	Concurrence by the stakeholders	In case of disagreement additional/alternative intervention suggested by the stakeholders	Reasons for rejection of the proposed solution	Group leader signature
1.	Rehabilitation of spinal drain and KPOD	3	Ok			Signed by Group Leader
2.	Remodeling of DPOD to 4000 cfs	1	Ok			
3.	Rehabilitation of SCARP Tubewells	4	Ok			
4.	Remodeling of Nawabshah, Sanghar, Mirpurkhas components and rehabilitation of Badin area drainage	2	Ok			
5.	Transition of SCARP fresh water tubewells	5	Scheme is ok but concerned with this district			
6.	Identification of best method for solving water logging and salinity	7	Ok			
7.	Analyze and prepare strategy for Govt of Sindh to check disposal SCARP-VI project	6	Ok but not pertain to Tharparkar			
Additional comments:						



Member of Drainage Group

- | | |
|-----------------------|--------------|
| 1. Mr. Bhooromal Koli | |
| 2. Mr. Hamlesh Kumar | 03332513227 |
| 3. Mr Dileep Kumar | |
| 4. Mr. Jawed Akhtar | 0333-2502537 |
| 5. Mr. Abdul Karim | 03333744374 |

Group Facilitator

Mr. Anwar Ali Baloch



REGIONAL PLAN PHASE II – SOLUTIONS FLOODING

District: Tharparkar **Venue:** Darbar Hall **Date:** 12/07/2011

Sr. #	Intervention proposed by the stakeholders	Ranking by the stakeholders	Concurrence by the stakeholders	In case of disagreement additional/alternative intervention suggested by the stakeholders	Reasons for rejection of the proposed solution	Group leader signature
1.	Diversion of storm water from LBOD to Thar area	1	Ok			Signed by Group Leader
222.	Construction of 1 Km long bund from Tidal Link.	4	Ok			
3.	Plantation of mangroves belts along Tidal link	5	Ok			
4.	Construction of channel from KPOD side for water diversion to wetlands	6	Ok			
5.	Construction of spillway to release water from wetlands	7	Ok			
6.	Diversion of flood water upstream Sukkur Barrage	2	Ok but safer route should be identified by survey			
7.	Second line of defence for Indus bunds from Hyderabad to Thatta - Sujawal bridge	8	Pros and Cons of this scheme be studied			



8.	Construction of raised platforms to protect people and livestock	3	Ok			
<p>Additional comments:</p> <p>Mr. Bhooro Mal Kolhi Advocate of Mithi stated that the problem of supply of sweet water for Thar Coal Project be solved by identifying suitable site in Taluka Chachro where are are pockets of sweet water. He also gave a copy of publication written by him on supply of drinking water to Thar area.</p> <p>In Thar area provision of drinking water to villages is a serious problem. Schemes for drinking water availability are essential where the underground water is brackish.</p>						



Member of Flood Group

- | | |
|-----------------------|--------------|
| 1. Mr. Bhooromal Koli | |
| 2. Mr. Hamlesh Kumar | 03332513227 |
| 3. Mr Dileep Kumar | |
| 4. Mr. Jawed Akhtar | 0333-2502537 |
| 5. Mr. Abdul Karim | 03333744374 |

Group Facilitator

Dr. G.R. Keerio



REGIONAL PLAN PHASE II – SOLUTIONS

DEGRADATION OF ENVIRONMENT AND NATURAL RESOURCES

District: Tharparkar **Venue:** Darbar Hall **Date:** 12/07/2011

Sr. #	Intervention proposed by the stakeholders	Ranking by the stakeholders	Concurrence by the stakeholders	In case of disagreement additional/alternative intervention suggested by the stakeholders	Reasons for rejection of the proposed solution	Group leader signature
	Mangroves					Signed by Group Leader
1.	Protective plantation of mangroves in coastal area	1	Yes	Fodder trees should be introduced. They may grow on Brackish water. Contact can be made with PARC-AZRI & SCOPE		
	Fisheries					
2.	Shrimp and mud crab culture in coastal areas	4	Yes			
3.	Introduction of brackish water fish in LBOD system area	5	Yes	It should be tasted from recognized Lab and basic survey/ Assessment should be conducted and make sure for environment friendly		
	Forest					
4.	Conjunctive/cyclic use of drainage water for forestation in forest and farmlands	3	Yes	<ul style="list-style-type: none"> • Routine grazing made • Technical range land needs should be 		



SINDH WATER SECTOR IMPROVEMENT PHASE-I PROJECT
Preparation of Regional Plan for the Left Bank of Indus, Delta and Coastal Zone



				introduced. • Ecological survey about trees be conducted		
	Water Scarcity – Land Degradation					
5.	Promotion of bio saline agriculture for raising salt resistant crops and trees in Kotri Drainage Basin	2	Yes	Need to introduce awareness at community level. Trainings also be given to experts of Agriculture.		
<p>Additional comments:</p> <ol style="list-style-type: none"> Mangroves: Including Thar belt near Rehmki Bazar. Ropamari and Dhands are also part/ area of coastal belt. So it should be included and needs Environmental Assessment. Fisheries: Fisheries should be environmental friendly and farm holder should be trained on technical aspects modern/scientific management. Environmental organization/ Department and deplumation Dept. should focus on strong coordination 						



Members of Environment Group

Sr. No.	Name	Organization
1.	Bharumal Amrani	Group Leader – SCOPC
2.	Vijay Sharma	Search
3.	Siddique Dal	Sukaar Foundation
4.	Essar das	Social Worker
5.	Santosh	Social Worker
6.	Ugomal Tnari	Advocate
7.	Partab Rai	Markaz Coordinator (NCHD)
8.	Govinda	GYPO
9.	Qazati Shakzad	South City
10.	Prem Seimpls	South City
11.	Shahbaz Ali Shah	
12.	Muhammad Hayat Junejo	VDO Posorko GS

Group Facilitator

Mr. Sajjad Hussain Larik



REGIONAL PLAN PHASE II – SOLUTIONS
SOCIO-ECONOMIC AND INSTITUTIONAL

District: Tharparkar **Venue:** Darbar Hall Mithi **Date:** 12/07/2011

Sr. #	Intervention proposed by the stakeholders	Ranking by the stakeholders	Concurrence by the stakeholders	In case of disagreement additional/alternative intervention suggested by the stakeholders	Reasons for rejection of the proposed solution	Group leader signature
1.	Disaster Crisis Management Unit in SIDA	2 nd	Yes			Signed by Group Leader
2.	Preventive maintenance program for SIDA within canal commands of AWBs	4 th	Yes			
3.	Establishment of drinking water – water treatment plants/units by relevant agencies	1 st	Yes			
4.	Wastewater treatment at source by concerned agencies	3 rd	Yes			

Additional comments:

Usage of solar systems, osmosis system, (Brackish water should be converted into potable water), Purification of water, Utilization of evaporated water, Increase the GDP % for water, Control on population, introduction of drip irrigation system. Way forward for flood water and made proper storage, To provide electricity to all the villages, Plantation of trees. Empower research based institutions approach, Introduce water related things in Curriculum. Advocacy and awareness program.



MEMBERS OF SOCIO – ECONOMIC & INSTITUTIONAL GROUP

Sr. No.	Name	Organization/Position
1.	Mr. Partab Shivani (Group Leader)	Search/ Executive Director
2.	Mr. Akash	Islam Kot
3.	Mr. Pershant Sharma	Mithi
4.	Mr. Dileep Aner	Mithi/Govt Employee
5.	Mr. Nand Lal	Dharar
6.	Mr. Bharat	Visavar
7.	Mr. Sagar Suther	Kheer Dahi
8.	Mr. Muhammad Hashim	Wahir/S.W
9.	Mr. Idress Bajwa	Wahir/S.O
10.	Mr. Ander Singh	Mithi
11.	Mr. Bhunesh Kumar	Mithi/ Govt Employee
12.	Miss. Jeevan	Chelhar/Teacher

Facilitator: Ms. Zakia Mangrio

ANNEXURE V:- WSIP-I PHASE –II STAKEHOLDERS WORKSHOP UMERKOT

Venue: Sourah Badshah District Hall, Umerkot

Number of Participates: 60

Date: July 13, 2011

Arrangements of Consultative Workshop

A phase II consultative workshop with stakeholders from Umerkot district was organized by LBG and Indus Associated Consultants and held on 13th July, 2011 in Conference Hall of Suurah Badshah District Complex Umerkot. The workshop was attended by 60 stakeholders from Umerkot district Talukas of Umerkot, Pithoro, Samaro, Kunri and Dhorro Naro. The objective of the workshop was to present and discuss the solutions/interventions for already identified issues and problems during phase I study mainly pertaining to drainage, flooding, environment, natural resources, socio-economic and institutional in the left bank of Indus, delta and coastal area.

Mr. Pervaiz Bambhan from SIDA also attended and monitored the workshop. Prior to workshop/during registration all the stakeholders were provided the brochure of WSIP-I and Regional Master Plan, copy of presentation, writing pad and writing material (Pen and markers) etc.

Introduction about the consultative workshop

After recitation from Holy Quarn Mr. Anwar Ali Baloch Land Use Planning Expert of LBG and Indus Associated consultants initiated the proceedings of the workshop by giving a detailed introduction of the project area, background of the assignment of Preparation of a Regional Master Plan for left bank of Indus, delta and coastal area, its aims and objectives and purpose of conducting consultative workshops with the stakeholders. He also informed that four focused groups of stakeholders will be formulated as under:

- Drainage group
- Flooding group
- Environment and natural resources group
- Socio-economic and Institutional group

Participants were requested to join any group of their interest and give their inputs/suggestions.

Opening remarks by Representative of SIDA

After introductory address Mr. Pervaiz Bambhan of SIDA (Guest of Honor) delivered opening remarks. He briefly introduced the WSIP-I project and objectives of the Regional Plan. He described the participatory approach adopted by the consultants for preparing this plan as previously the plans and schemes were being usually prepared without consultation with the stakeholders of the area. In WSIP-I project there is shift in responsibilities from the government to the private people in managing the water channels. So is the case in this assignment of preparation of Regional Plan in which the stakeholders have been involved through a participatory approach. He informed that the study is being conducted in four phases by the consultants and its 1st phase has been completed in which consultative workshops at local, district, regional and national levels were conducted by LBG and Indus Associated Consultants in which the issues and problems in the project area were identified by the stakeholders in these workshops and submitted to SIDA and the Government in a report form. This report is available for review by interested stakeholders on the website of SIDA. This is phase II of the assignment in which the consultants are conducting consultative workshops in each district located in the study area in which they will arrive at

solutions/interventions of key issues already identified by the stakeholders of each district. The proposed interventions by the consultants for each issue will be presented before the stakeholders, discussed in this forum and any alternative proposals/interventions by the stakeholders will be recorded.

Presentation by the LBG/Indus Associated Consultants

Dr. G. R. Keerio of LBG and Indus Associated Consultants gave a detailed multi-media presentation before the participants explaining the objectives of consultative workshop, solutions of the identified issues and problems by the stakeholders pertaining to drainage, flooding, environment and natural degradation and socio-economic and institutional aspects of the study.

Following interventions were presented in each aspect of the study:

Drainage	08 interventions
Flooding	08 interventions
Environment & NR	5 interventions
Socio-economic and Institutional	04 interventions

After presentation the participants were divided in four groups for discussion and concurrence.

Comments/Concurrence of the stakeholders on proposed interventions

Stakeholders concurrence on each intervention and alternate intervention proposed by the stakeholders are given in format designed by the consultant. The participants of each group selected a group leader who presented the findings of their group in a plenary session before the stakeholders. The groups on drainage, environment and natural resources and flooding gave some additional comments and interventions which were recorded on the enclosed proforma.

The format and comments/additional interventions are appended herewith.

Concluding remarks by SIDA representative

After group work and presentation by the group leaders Mr. Pervaiz Bambhan concluded the session in which he expressed his satisfaction on the conduct and outcome of the consultative workshop. The interest and inputs of the stakeholders during the group work and presentation by them were also appreciated. He thanked the stakeholders for their interest and inputs in the workshop and also appreciated the efforts of LBG and Indus Associated Consultants for hard work in organizing and presenting various interventions in the workshop for phase II.

Vote of Thanks and Conclusion

Mr. Anwar Ali Baloch thanked all the participants who have come from far areas to attend the workshop and also providing their inputs and concurrence on the proposed interventions during the workshop. They were also requested that in case they have further inputs/suggestions they are welcome to send us through E-Mail or any other source of communication.



REGIONAL PLAN PHASE II – SOLUTIONS DRAINAGE

District: Umer Kot **Venue:** Sooreh Badshah District Hall

Date: July 13, 2011

Sr. No.	Intervention proposed by the stakeholders	Ranking by the Stakeholders	Concurrence by the Stakeholders	In case of disagreement additional/alternative intervention suggested by the Stakeholders	Reasons for rejection of the proposed solution	Group leader Signature
1.	Rehabilitation of spinal drain and KPOD	No ranking by the stakeholders	Ok	We have no objection for these proposal are taken up as they are not related to this area.		Signed by Group Leader
2.	Remodeling of DPOD to 4000 cfs		Ok	-do-		
3.	Construction of flap gate on KPOD to manage the LBOD drainage and sea water intrusion		Ok			
4.	Rehabilitation of SCARP Tubewells		Ok			
5.	Remodeling of Nawabshah, Sanghar, Mirpurkhas components and rehabilitation of Badin area drainage					
6.	Transition of SCARP fresh water tubewells			Not Related		
7.	Identification of best method for solving water logging and salinity			Not Related		
8.	Analyze and prepare strategy for Govt of Sindh to check disposal SCARP-VI project		Ok	May be taken up as this is common problem and should be taken on the provincial basis		



Additional Comments:

1. As per information of stake holders, specially Anwar Rajar and JM Bhagat prominent figures (stake holders) of the area informed that three different schemes have been launched or, are under way by SIDA, these schemes are for drainage and irrigation purpose which are also not required. Because these schemes will create again problem within the area. They have given rough sketch of those schemes and needs to be discussed with the SIDA concerned personals.
 2. Moreover, they totally refused for installation any drainage Tubewell (SCARP) project within their area.
- Within the group, Stake holders were not able to take any decision regarding the ranking of mentioned proposed interventions, they were of view that consultants can carry out the raking from structural and non-structural point of view.



MEMBERS OF DRAINAGE GROUP

Sr. No.	Name	Contact
1.	Mr. Anwar Ali Rajar	0345-3774433
2.	Mr. Muhammad Hussain Mangrio	0345-3774991
3.	Mr. Abdul Ghani	0345-3771579
4.	Mr. Tajuo Bhail	0346-8246016
5.	Mr. Anwar Ali Samejo	0333-2723907
6.	Mr. Naeem Kumbar	0331-3711625
7.	Mr. JM Bhagat	0331-2787912

Group Facilitator:
Mr. Anwar Ali Baloch



REGIONAL PLAN PHASE - II SOLUTIONS SOCIO-ECONOMIC AND INSTITUTIONAL

District: Umerkot **Venue:** Sooreh Badshah District Hall **Date:** July 13, 2011

Sr. No.	Intervention proposed by the stakeholders	Ranking by the Stakeholders	Concurrence by the Stakeholders	In case of disagreement additional/alternative intervention suggested by the Stakeholders	Reasons for rejection of the proposed solution	Group leader Signature
1.	Disaster Crisis Management Unit in SIDA	03	Yes			Signed by Group Leader
2.	Preventive maintenance program for SIDA within canal commands of AWBs	02	Yes			
3.	Establishment of drinking water – water treatment plants/units by relevant agencies	01	Yes			
4.	Wastewater treatment at source by concerned agencies	04	Yes			
Additional Comments: 3. There is a need of check and balance in SIDA also.						



MEMBERS OF SOCIAL GROUP

Sr. No.	Name	Designation/Organization	Contact
1.	Mr. Lal Chand Khatri	NGO (SADA) Social Mobilizer	0300-8915852
2.	Mr. Peer Bux Rahimoon	Agriculture Department (ADA)	0300-3127345
3.	Mr. Muhammad Aalam	Grower	0333-2538551
4.	Mr. Muhammad Ismail	Grower	0345-6078383
5.	Mr. Muhammad Moosa	Grower	0334-7084197
6.	Mr. Milha Khan	Mehram Denorg (Chairman)	0331-3895647
7.	Mr. Ghulam Hussain	HAAKRO (LSO) Chair person	0333-7199414
8.	Mr. Gul Muneer Walhari	RADO (President)	0333-7033625
9.	Mr. Nihal	Agriculture (A.O) Department	0333-2873254
10.	Mr. Mir Muhammad Nohri	Agriculture Department (A.O)	0333-2992202
11.	Mr. Ali Hassan Bhatti	Land Lord	0300-3304015
12.	Mr. Ayaz Kachelo	Agri: (A.O) Department	0333-7033564
13.	Mr. Abdullah Khaso	Social Activist (NCHD) P.M	0333-2505416

Group Facilitator:

Ms. Zakia Mangrio



REGIONAL PLAN PHASE - II DEGRADATION OF ENVIRONMENT AND NATURAL RESOURCES

District: Umerkot **Venue:** Soruh Badshah District Hall **Date:** July 13, 2011

Sr. No.	Intervention proposed by the stakeholders	Ranking by the Stakeholders	Concurrence by the Stakeholders	In case of disagreement additional/alternative intervention suggested by the Stakeholders	Reasons for rejection of the proposed solution	Group leader Signature
	Mangroves					Signed by Group Leader
1.	Protective plantation of mangroves in coastal area	1	Yes			
	Fisheries					
2.	Shrimp and mud crab culture in coastal areas	2	Yes			
3.	Introduction of Brackish water fish in LBOD system area	4	Yes			
	Forest					
4.	Conjunctive/cyclic use of drainage water for forestation in forest and farmlands	3	Yes			
	Water Scarcity – Land Degradation					
5.	Promotion of bio saline agriculture of raising salt resistant crops and trees in Kotri Drainage Basin	5	Yes			

Additional Comments:

1. Apart from Mangroves, other tree species should also be planted (G. Mustafa).
2. Plants may be planted according to the suitability of climate and soil.
3. Long term planning must be done with the public opinion.
4. Alternate source of energy instead of wood may be provided e.g LPG Gas on subsidy rates. (Girls)
5. Brick Klins may be closed and replaced with cemented blocks. Smoke from kilns may be stopped.
6. Extensive plantation campaigns may be started with full participation of people from all groups of public.
7. Complete ban must be imposed on felling of trees and such act may be introduced (Juman Darbadar).

Imtiaz Hussain (Group Leader) 0300-3308254



MEMBERS OF ENVIRONMENT GROUP

Sr. No.	Name	Designation/Organization	Contact
1.	Mr. Imtiaz Hussain Solangi	Group Leader (D.O Forest)	0300-3308254
2.	Miss. Sobia	NGO (SADA)	0331-3271543
3.	Miss. Robia Noreen	NGO (SADA)	0331-3271543
4.	Mr. Shahrukh	NGO (SADA)	0331-3271543
5.	Mr. Arbab Nek Muhammad	Goth Googasur Chachro	0331-3886323
6.	Mr. Muhammad Juman	Rohilwai Goth (Muhammad Jumanabad)	-
7.	Mr. Shahzad Ali	-	0313-3190580 0300-3497377
8.	Ghulam Mustafa Khoro	Executive Director SAMI Foundation	0300-300980
9.	Ali Akbar Rahimoon	AWARE info@aware.org.pk	0333-7092067

Group Facilitator:

Mr. Sajjad Hussain Larik



REGIONAL PLAN PHASE – II SOLUTIONS

FLOODING

District: Umer Kot **Venue:** Soruh Badshah District Hall **Date:** July 13, 2011

Sr. No.	Intervention proposed by the stakeholders	Ranking by the Stakeholders	Concurrence by the Stakeholders	In case of disagreement additional/alternative intervention suggested by the Stakeholders	Reasons for rejection of the proposed solution	Group leader Signature
1.	Diversion of storm water from LBOD to Thar area	1	Ok			Signed by Group Leader
2.	Construction of 1 Km long bund from Tidal Link.	5	Ok			
3.	Plantation of mangroves belts along Tidal link	5	Ok			
4.	Construction of channel from KPOD side for water diversion to wetlands	5	Ok			
5.	Construction of spillway to release water from wetlands	5	Ok			
6.	Diversion of flood water upstream Sukkur Barrage	3	Natural route be identified. Ok but this should be linked with old Hakro river/old Nara.			
7.	Second line of defence for Indus bunds from Hyderabad to Thatta - Sujawal bridge	6	Original bund be strength of second line of defence.			
8.	Construction of raised platforms to protect people and livestock	2	Ok This should be done throughout the project area			

Additional Comments:

1. In Umer Kot district SCARP tubewell scheme should be introduced specially in Samaro, Kunri and Pithoro Talukas.
2. Sub-Drains be constructed in affected areas and disposal of tubewells be disposed of in LBOD system.
3. Kalankar Lake be converted into a water retardation basin to conserve water of floods. This will be a storage basin. This area is located in Talka Umer Kot near Dhoro Naro desert area.



MEMBERS OF FLOODING GROUP

Sr. No.	Name	Designation	Contact
1.	Mr. Muhammad Sarwar	Field Assistant	-
2.	Shah Muhammad	Former	-
3.	Ghulam Qadir	Agri Office Samoo	0300-3318832
4.	Abdul Aziz	Grower	-
5.	Liaquat Ali	Grower	-
6.	Shatoomal Uad	Field Assistant	-
7.	Nirmal Kumar	Teacher	-
8.	Wadlu Mal	Field Assistant	0345-3682426
9.	Muhammad Pali	Farmer	0333-2580214
10.	Khatai Thebo	Journalist	0307-3188178

Group Facilitator:

Dr. G. R. Keerio



ANNEXURE VI:- WSIP-I PHASE –II STAKEHOLDERS WORKSHOP GHOTKI AREA

Venue: Shelton Hotel, By Pass, Ghotki

Date: 19th July 2011.

Participants: 76

Arrangements:

The arrangements of workshop were nicely arranged at conference Hall of Shelton Hotel Ghotki. The participants were facilitated with note book, pen and broacher. Two sessions of workshop were organized, first for introduction and presentation and second mainly for group discussions. In the light of issues and problems indicated by the Stake holders of the area in Phase-I, the four different groups were initiated.

Groups:

1. Drainage
2. Flood
3. Socio-Economic and Institutional
4. Environment

Opening and Introduction of Workshop

As usual it is the habit and became the part culture to attend any function as late as possible, hence participant started coming late after 9.45 AM. Therefore, the forum was opened at about 1030 with recitation of version from Holy Book (Al-Quran). Anwar Baloch Land Use Planner preformed as a stage secretary and workshop was chaired by MR. Parvaiz Babhan (AD) representative from SIDA. Aims and objectives of Regional Plan of left bank of lower Indus were fully explained by the stage secretary, further the participant were told about the procedure to be adopted for 1st and Second session of Workshop.

Opening remarks

After introduction, Mr. Parvaiz Babhan was requested to deliver his opening remarks regarding the workshop. Mr. Parvaiz expressed his views for conducting this workshop at Ghotki, further explained about the objectives of WSIP-I Project and role being played by consultants to make it success and fruit fill for achieving the goal.

Presentation

DR. G.R Kerio presented his comprehensive presentation about the Regional Plan objectives of the area. The Main objectives like drainage, flooding, socio-economic and Institutional, Environmental problems and their interventions were highlighted.

Second Session

Group Discussions

During this session four Groups were organized and separate arrangements were made for each group. Participants were requested to join any group of their interest. Among each



group, a group leader was nominated by the members, who was held responsible to present findings of his group.

Drainage Group

15 participants joined this group, out of these Mr. Sher Muhammad Chairman (FOC) was nominated. Mr. Baloch performed as facilitator and Mr. Parvaiz joined as a representative from SIDA. Details of group are mentioned in attached proforma.

Flood Group

12 participants joined this group, among these Mr. Ali Anwar was nominated as a group leader, where as Dr. G.R Keerio performed as facilitator. The results of group discussion are mentioned in flood proforma attached with the proceedings.

Socio-Economic and Institutional

This group was facilitated by Miss Zakia Mangrio 14 members joined this group and Mr. Altaf Hussain Soomro was nominated as group leader. The results of this group are mentioned in the proforma which is attached with the proceedings.

Environmental group

This group included 16 participants out which Mr. Ghulam Ahmed Malik was selected as a group leader and as a facilitator Mr. Sajad Larik performed the duties. The results of same are enclosed in a proforma attached with the proceedings.

Closing Remarks:

The closing remarks were delivered by Mr. Parvaiz Babhan representative from SIDA. He explained about the role being played by SIDA as client for regional plan of left bank of Lower Indus. He further appreciated about the working of Louis Berger and Indus Consultants for the second phase of WSIP-I project.

Vote of Thanks:

In the end of conference Mr. Anwar Ali Baloch thanked the audience for listening carefully the whole programme and also given good suggestion/decisions regarding the pre-feasibility/ interventions prepared for different aspects related to drainage, flooding, socio-economic and environmental condition of the study area.



REGIONAL PLAN PHASE II – SOLUTIONS DRAINAGE

District: _____ Ghotki _____ Venue: _____ Shelton _____ Date: _____ 19-07-2011 _____

Sr. #	Intervention proposed by the stakeholders	Ranking by the stakeholders	Concurrence by the stakeholders	In case of disagreement additional/alternative intervention suggested by the stakeholders	Reasons for rejection of the proposed solution	Group leader signature
1.	Rehabilitation of spinal drain and KPOD		Ok	Not related to this area		Signed by Group Leader
2.	Remodeling of DPOD to 4000 cfs		Ok	-do-		
3.	Construction of flap gate on KPOD to manage the LBOD drainage and sea water intrusion		Ok	-do-		
4.	Rehabilitation of SCARP Tubewells		Yes	Subject to the condition that stakeholder who has given his land for installation of tubewells may be allowed to appoint chokidar of his own interest for the look after of tubewells		
5.	Remodeling of Nawabshah, Sanghar, Mirpurkhas components and rehabilitation of Badin area drainage		Ok			



6.	Transition of SCARP fresh water tubewells		Ok			
7.	Identification of best method for solving water logging and salinity		Yes	This area has already at some places the drainage system which is not in working condition: Specially they have talked about the Karo Naro drainage channel established during British regime		
8.	Analyze and prepare strategy for Govt of Sindh to check disposal SCARP-VI project		Ok	There is lot of problem created by the drainage effluent of SCARP-VI. This effluent may be stopped on war footing basis.		
<p>Additional comments:Mr. Sher Muhammad fully described about the damage occurred by highly saline effluent of Punjab and he has shown the video film on his mobile. He was requested to send us the Video CD so that we (consultants) can take benefit and raise this issue in a proper way.</p> <ul style="list-style-type: none"> - Within the group, Stakeholders were not able to take any decision regarding the ranking of mentioned proposed interventions, they were of view that consultants can carry out the raking from structural and non-structural point of view. 						



Members of Drainage Group

S. No	Members Name	Contact
1.	Mr Munir Ahmed	0303-3754355
2.	Mr. Ghous Bukhash	0302-3157848
3.	Mr. Muhammad Arif	0302-3195589
4.	Mr. Ali Nawaz	0302-3627613
5.	Muhammad Ayob	0300-3576282
6.	Mr. Farhan Memon	0333-2592299
7.	Mr. Jamil Ahmed	0307-3615874
8.	Mr. Abdul Sani	0301-3543941
9.	Mr. Imtiaz Ali	0307-3654020
10.	Mr. Riaz Ali	03123672200
11.	Mr. Nazir Ahmed	0303-3731221
12.	Mr. Abdul Hameed	03423322537
13.	Mr. Kaleemullah	03124110658
14.	Mr. Qurban Ali	03133474669
15.	Mr. Sher Muhammad Chairman FO(c) and Sr: Member Ghotki Feeder Canal Area Water Board (Group Leader)	0302-8311500

SIDA:

Mr. Parvaiz Rajpar

Group Facilitator:

Mr. Anwar Ali Dasti Baloch



REGIONAL PLAN PHASE II – SOLUTIONS FLOODING

District: Ghotki **Venue:** Shelton **Date:** 19-07-2011

Sr. #	Intervention proposed by the stakeholders	Ranking by the stakeholders	Concurrence by the stakeholders	In case of disagreement additional/alternative intervention suggested by the stakeholders	Reasons for rejection of the proposed solution	Group leader signature
1.	Diversion of storm water from LBOD to Thar area		Ok			Signed by Group Leader
2.	Construction of 1 Km long bund from Tidal Link.		Ok			
3.	Plantation of mangroves belts along Tidal link		Ok			
4.	Construction of channel from KPOD side for water diversion to wetlands		Ok			
5.	Construction of spillway to release water from wetlands		Ok			
6.	Diversion of flood water upstream Sukkur Barrage		Agree 100% Yes. From Ali			



			Wahan			
7.	Second line of defence for Indus bunds from Hyderabad to Thatta - Sujawal bridge		We do not agree 2 nd line of defense but it will be better to strengthening of present bund			
8.	Construction of raised platforms to protect people and livestock		Agreed it is a good scheme it should be done in kacha area also			
9.	Construction of earthen embankments to protect villages from sea intrusion/ tidal effects in coastal area					
<p>Additional comments:</p> <p>There is no preparedness in advance for flooding</p> <p>Tree belts along bunds should be raised to check erosion of bund.</p> <ul style="list-style-type: none"> - Within the group, Stakeholders were not able to take any decision regarding the ranking of mentioned proposed interventions, they were of view that consultants can carry out the raking from structural and non-structural point of view. 						



Members of Flood Group

S. No	Member Name
1	Anwar Ali Chachar (Farmer)
2	Mr. Laiq
3	Muhammad Hanif
4	Ali Anwar (Group Leader)
5	Ghulam Sarwar
6	Rab Nawaz Lund
7	Haji Sadirs Chachar
8	Muhammad Hanif
9	Gulzar Chachar
10	Ghulam Sarwar
11	Noor Hassan

Group Facilitator:

Dr. Ghulam Rasool Keerio



REGIONAL PLAN PHASE-II – SOLUTIONS

DEGRADATION OF ENVIRONMENT AND NATURAL RESOURCES

District: Ghotki Venue: Shelton Date: 19-07-2011

Sr. #	Intervention proposed by the stakeholders	Ranking by the stakeholders	Concurrence by the stakeholders	In case of disagreement additional/alternative intervention suggested by the stakeholders	Reasons for rejection of the proposed solution	Group leader signature
	Mangroves					Signed by Group Leader
1.	Protective plantation of mangroves in coastal area	4	Yes			
	Fisheries					
2.	Shrimp and mud crab culture in coastal areas	2	Yes			
3.	Introduction of brackish water fish in LBOD system area	3	Yes			
	Forest					
4.	Conjunctive/cyclic use of drainage water for forestation in forest and farmlands	1	Yes			
	Water Scarcity – Land Degradation					
5.	Promotion of bio saline agriculture for raising salt resistant crops and trees in Kotri Drainage Basin	5	Yes			



Additional comments:

1. E.M Technology may be utilized that uses Effective Micro organism for developing barren lands.
2. For improvement of Land first Kalar grass, Gantar, Lucern may be grown then other crops may be grown on that land which has fairly been improved. Urea's fertilizer may be used at recommended dosage; however Farm yard manure may be applied 30 cartloads per acre after every three years.
3. Low delta crops be grown that require less water.
4. Where ever there is acute water shortage drip irrigation system may be introduced,
5. Forest trees may be grown every where at suitable locations on bunds and paths

Members of Environment Group

Sr. No.	Name	Organization	Contact
1.	Hakim Ali Chachar	Hari Porhit	0342-3839518
2.	Muhammad Usman Mahar	Gul foundation	0300-3190274
3.	Dildar Ali Chachar	-	-
4.	Bakar Lai Sawand	Formar	0301-6021377
5.	Amir bux Bullo	SIDA	0300-2564233
6.	Shabir Ali Jiskani	Hydri Welfare Association	0300-3228113
7.	Sardar-Ud-Din Mahar	SIDA	0301-3822156
8.	Mir Hakim Chachar	Former	0300-3194328
9.	Abdul Qadir Sarand	Former	-
10.	Tahir Ali Khawaja	Teacher	-
11.	Gulzar Ahmed Malik (Group Leader)	Malik Welfare Association	0334-2593440
12.	Nazeer Ahmed Chachar	Land Lord	0334-2591596
13.	Gul Nabi Abro	Former	0302-3194410
14.	Shahid Hussain Soomro	Shah ktit develop (SDO)	0300-3195584
15.	Muhammad Ali	-	0302-2396898
16.	Syed Jamal Shah	Young Welfare Association Qadarpur	0300-3268785

Group Facilitator:
Mr. Sajjad Hussain Larik



REGIONAL PLAN PHASE II – SOLUTIONS
SOCIO-ECONOMIC AND INSTITUTIONAL

District: Ghotki **Venue:** Shelton **Date:** 19-07-2011

Sr. #	Intervention proposed by the stakeholders	Ranking by the stakeholders	Concurrence by the stakeholders	In case of disagreement additional/alternative intervention suggested by the stakeholders	Reasons for rejection of the proposed solution	Group leader signature
1.	Disaster Crisis Management Unit in SIDA	4	Yes			Signed by Group Leader
2.	Preventive maintenance program for SIDA within canal commands of AWBs	1	Yes			
3.	Establishment of drinking water – water treatment plants/units by relevant agencies	3	Yes			
4.	Wastewater treatment at source by concerned agencies	2	Yes			

Additional comments:

1. Disaster Crisis Unit: In addition to this NDMAs PDMAs Units should be functionalized at District levels.



Members of Socio-Economic Group

S. No	Member Name	Organization	Contact
1	Samina Kalwar	HWA Foundation S.O	0302-3196883
2	Mahwish	Volunteer	0307-3096229
3	Bashrian	Volunteer	0307-3096229
4	Samina Naz	Roshni T.T Ghotki	0308-8248902
5	Rozeena Kanwal	Takhleque Foundation Ghotki	0332-3967470
6	Shahnaz	V.N.G	0306-3124478
7	Amiran	E.D	0306-3124478
8	Nusrat Mirani	RDPI	0306-3124478
9	Rozina	RDPI	0332-8835179
10	Afshan	HWA	-
11	Surriya Khan	Takhleeque Foundation	03342537486
12	M. Nawaz Mahar	Shah Latif Dev: Org	0302-3680789
13	Altaf Hussain Soomro (Group Leader)	RDPI	0333-7589612
14	Ayaz	HWA	0334-2591898

Group Facilitator:
Ms. Zakia Mangrio



ANNEXURE VII:- WSIP-I PHASE –II STAKEHOLDERS WORKSHOP SUKKUR & KHAIRPUR

Venue: Red Carpet Hotel Sukkur

Date: 20th July 2011

Participants: 71

Arrangements:

The workshop was organized at Red Carpet Hotel Sukkur. The participants were sent in advance the Project pamphlet so they could familiarize themselves with the objectives of the project. The workshop was conducted in two sessions. First session was based on introduction and presentation. The second session was based on group discussions. The discussion was organized around the following main themes:

- Drainage
- Flood
- Socio-Economic and Institutional
- Environment

The workshop proceedings were organized around the Pre-feasibilities/ interventions by introducing the weightage proforma. This proforma indicated the different interventions suggested by the stakeholders during the previous wave of Phase-I consultations. This enabled the stakeholders to go through the pre-feasibilities prepared against the main key issues already identified during Phase-I consultative workshop of the area. In case the interventions suggested by the stakeholders at previous consultations were not accepted by the stakeholders, they were given the opportunity to suggest alternate structural or nonstructural solutions against any key issue with explanation of their views.

Opening of Workshop

Workshop was started a bit late due to the late coming of participants. Mr. Anwar Baloch lead the proceedings of the workshop. The forum was opened with the recitation of version from the Holy Book (Al-Quran). Mr. Parvez Bhaban Assistant Manager participated as representative from SIDA.

Presentation:

Dr. G. R. Keerio lead a comprehensive presentation about the Regional Plan objectives covering the whole area from the coastal belt up to the end of provincial border of Sindh in north. He explained the key issues indicated by the stakeholders during the first phase of the project with special reference to the problems of Sukkur and Khairpur district area and the interventions suggested. The stakeholders were requested to go through the outlined interventions and given the opportunity to discuss each suggestion during the Group discussions, suggest any change in the presented interventions/pre-feasibilities and give their reasons for changes, so that consultants can include and review it from technical and engineering point of view.

SECOND SESSION



Group Discussions:

The main discussion was conducted in the groups formed around the main themes. Each group was requested to select the group leader who can present and explain to the workshop participants the groups' views, decisions and suggestions made for each intervention.

Drainage Group:

The stakeholders nominated Mr. A. Latif Abro as a group leader. The summary of the group discussions are mentioned in proforma attached with the proceedings.

Flood Group:

This group nominated Mr. Haji Kamal-ul-din Jatoy as a group leader. The findings of this group are mentioned in separate proforma of environment attached with the proceedings

Socio-Economic & Institutional Group:

Member of this group nominated Mr. Abdul Rouf Mirani as a group leader. The findings of this group are attached with the proceedings.

Environment Group:

The environmental group nominated MR. Ashfaq Ahmed as a group leader. Summary of findings are mentioned in proforma attached with proceedings.

Closing Remarks:

The closing remarks were delivered by Mr. Parvez Bhaban, representative from SIDA. He explained about the SIDA's role as a client for this regional plan of left bank of Lower Indus. He further appreciated the work of the Louis Barger and Indus Consultants for the second phase of WSIP-I project.

Vote of Thanks:

At the end of conference, Anwar Baloch thanked the audience for listening carefully the whole program and also given good suggestion/decisions regarding the pre-feasibility/ interventions prepared for different aspects related to drainage, flooding, socio-economic and environmental condition of the study area.



REGIONAL PLAN PHASE – II SOLUTIONS

DEGRADATION OF ENVIRONMENT AND NATURAL RESOURCES

District: _____ Sukkur & Khairpur Area _____ Venue: _____ Hotel Red Carpet _____ Date: _____ July 20, 2011 _____

Sr. #	Intervention proposed by the stakeholders	Ranking by the stakeholders	Concurrence by the stakeholders	In case of disagreement additional/alternative intervention suggested by the stakeholders	Reasons for rejection of the proposed solution	Group leader signature
	Mangroves					Signed by Group Leader
1.	Protective plantation of mangroves in coastal area	3	Yes			
	Fisheries					
2.	Shrimp and mud crab culture in coastal areas	4	Yes			
3.	Introduction of Brackish water fish in LBOD system area.	5	Yes			
	Forest					
4.	Conjunctive/cyclic use of drainage water for forestation in forest and farmlands	2	Yes			
	Water Scarcity – Land Degradation					
5.	Promotion of bio saline agriculture of raising salt resistant crops and trees in Kotri Drainage Basin	1	Yes			
Additional Comments: <ol style="list-style-type: none"> Improve awareness system to own these programs by committees. Tree plantation on Road and Paths. Improvements in agriculture practices should be made. Introduction of organic farming (for agricultural purposes). Proper and complete improvement of SCARP tubewells. Pacca water course, channels and canals should be concentrated. 						



Members of Environment Group

Sr. No.	Name	Organization	Contact
1.	Hafeez Ullah	SAFMO	0323-3629810
2.	Mumtaz Ali	DEO	
3.	Abdul Satar Ghanghro	ATO	0300-3114397
4.	Muhammad Achar Khaskheli	-	0300-3110372
5.	Ashfaq Ahmed	-	0300-3159458
6.	Sajjad Ali	-	0333-7166641
7.	Majida Memon	-	0333-7243024
8.	Dr. Shagufta Amber	-	0242431305
9.	Sayed Mithal Shah	-	0331-4154782
10.	Shabana	-	0305-2438220
11.	Ummat-Ul-Aziz	UHRO	0307-3708640
12.	Arbab Khatoon	Mehran Youth Form	0331-2043092
13.	Samina Kanwal Mahar	MYF	0332-1328541
14.	Sibghat Ullah	-	0333-3075362
15.	Saeed Ullah	-	0333-3370635
16.	Muhammad Saleem Raza	-	0301-3670802

Group Leader:

Mr. Ashfaq Ahmed

Facilitator:

Mr. Sajjad H. Larik



**REGIONAL PLAN PHASE II – SOLUTIONS
SOCIO-ECONOMIC AND INSTITUTIONAL**

District: _____ Sukkur – Khairpur Area _____ **Venue:** _____ Hotel Red Carpet _____ **Date:** _____ July 20, 2011 _____

Sr. #	Intervention proposed by the stakeholders	Ranking by the stakeholders	Concurrence by the stakeholders	In case of disagreement additional/alternative intervention suggested by the stakeholders	Reasons for rejection of the proposed solution	Group leader signature
1.	Disaster Crisis Management Unit in SIDA	04	Yes	As it is well known fact that there is no prominent change in working of IPD and SIDA organizations, however it is now responsibility of SIDA to carry on his job with better satisfaction so that system could be improved and run properly.		Signed by Group Leader
2.	Preventive maintenance program for SIDA within canal commands of AWBs	02	Yes			
3.	Establishment of drinking water – water treatment plants/units by relevant agencies	01	Yes			
4.	Wastewater treatment at source by concerned agencies	03	Yes			
Additional comments: NIL						



Members of Socio-Economic Group

Sr. No.	Name	Organization	Designation	Contact
1.	Shahid Channa	Al-Mustafa NGO	President	0312-2860685
2.	Zulfiqar Solangi	Al-Mustafa NGO Sukkur	President	0300-9319022
3.	Mairaj-Ud-Din Mahar	MAGNETs	Admin	0334-2909686
4.	Gul Sher Ahmed Channa	LMDO Sukkur		0307-3613078
5.	Abdul Rouf Mirani	Sharafabad Social Welfare Association District Sukkur	V-President	0321-3108248
6.	Yasir Ali Khaskheli yasir_khaskheli@yahoo.com	Social Media Communication Coordinator Bhattai Social Welfare Association CBSWA Khair Pur Mirs		0331-3001440
7.	Roomana Tabsum	N.C.H.D	Trainer	0344-3311908
8.	Firdos Mahar	OSIAS International	Field Officer	0334-2918203 0715618975

Group Leader: Mr. Abdul Rouf Mirani

Facilitator: Ms. Zakia Mangrio



REGIONAL PLAN PHASE II – SOLUTIONS FLOODING

District: _____ Sukkur & Khairpur Area _____ **Venue:** _____ Hotel Red Carpet _____ **Date:** _____ July 20, 2011 _____

Sr. #	Intervention proposed by the stakeholders	Ranking by the stakeholders	Concurrence by the stakeholders	In case of disagreement additional/alternative intervention suggested by the stakeholders	Reasons for rejection of the proposed solution	Group leader signature
1.	Diversion of storm water from LBOD to Thar area	4	Ok			Signed by Group Leader
2.	Construction of 1 Km long bund from Tidal Link.	6	Ok			
3.	Plantation of mangroves belts along Tidal link	5	Ok			
4.	Construction of channel from KPOD side for water diversion to wetlands	7	Ok			
5.	Construction of spillway to release water from wetlands	8	Ok			
6.	Diversion of flood water upstream Sukkur Barrage	1	Agreed but a detailed survey should be conducted to provide water to Nara Area.			



7.	Second line of defence for Indus bunds from Hyderabad to Thatta - Sujawal bridge	3	Not agreed but it should be proposed that original bunds be strengthened from Guddu to Thatta			
8.	Construction of raised platforms to protect people and livestock	2	Agreed it is good scheme			
9.	Construction of earthen embankments to protect villages from sea intrusion/ tidal effects in coastal area	9	Agreed			

Additional comments:

New Proposal:

1. In takkar area the rain water harvesting should be done and small dams be constructed to utilize rain water from hilly areas.
2. Trees should be planted along the bunds to strengthen them & check flooding.



Members of Flooding Group

Sr. No.	Name		Organization	Contact
1.	Haji Kamal-Ud-Din Jatoi	Sukkur		
2.	Mushtaque Ali	Khair Pur		
3.	Ali Ansar	Khair Pur	Social Worker	
4.	Muhammad	Sukkur		
5.	Mumtaz Ali Channa	Khair Pur	Jout Sut. YWS	
6.	Zahid Solangi	Khair Pur	S.M YWS	
7.	Farzana Makar	Sukkur	Social Worker	
8.	Aneela	Sukkur	Monitoring (Health Worker)	
9.	Afshan Khanam	Sukkur	Megnet Member	
10.	Shakila	Sukkur	Social Worker	
11.	Zulekhan	Sukkur	Social Worker	
12.	Saida	Sukkur	Megnat	
13.	Zakra	Sukkur	Megnat	
14.	Ahmed Ali	Sukkur	Sindh educational and environment development org. SEE.DO	
15.	Abdul Latif	Sukkur	L.M.D.O Social worker	
16.	Aakash	Sukkur	See Do Member	
17.	Zubair Soomro	Khairpur	Journalist	
18.	Naseer Ahmed Ujan	Khair Pur	Volunteer	
19.	Shahbaz Lund	Khair Pur	C.C.B	
20.	Mashooq Ali	Khair Pur	L.C.A Chairman	
21.	Shulam Shabir Lakho	Khair Pur	C.C.B	

Group Leader: Haji Kamal-Ud-Din Jatoi

Facilitator: Dr. G.R Keerio



REGIONAL PLAN PHASE II – SOLUTIONS DRAINAGE

District: _____ Sukkur – Khairpur Area _____ **Venue:** _____ Hotel Red Carpet _____ **Date:** _____ July 20, 2011 _____

Sr. #	Intervention proposed by the stakeholders	Ranking by the stakeholders	Concurrence by the stakeholders	In case of disagreement additional/alternative intervention suggested by the stakeholders	Reasons for rejection of the proposed solution	Group leader signature
1.	Rehabilitation of spinal drain and KPOD	1	Ok			Signed by Group Leader
2.	Remodeling of DPOD to 4000 cfs	4	Ok			
3.	Construction of flap gate on KPOD to manage the LBOD drainage and sea water intrusion	2	Ok			
4.	Rehabilitation of SCARP Tubewells	1	Ok			
5.	Remodeling of Nawabshah, Sanghar, Mirpurkhas components and rehabilitation of Badin area drainage	2				
6.	Transition of SCARP fresh water tubewells	2	Yes	But subject to condition that the sweet water tubewell may be handed over to land owners where as saline ground water tubewells should be supervised under SCARP project and also revenue collection from saline water tubewells may be stopped.		
7.	Identification of best method for solving water logging and salinity	2		South Khairpur saline/sweet water project should be given performance for opening.		



8.	Analyze and prepare strategy for Govt of Sindh to check disposal SCARP-VI project	1	Ok	The water from SCARP VI should immediate be stopped and action Govt of Sindh may be taken on war tooting basis.		
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Additional comments:

1. West water of Industries and cities should be treated by installing treatment plants, then it should be allowed to dispose of into river and irrigation system.
2. High delta crops should not be allowed in the area so that waterlogging and saliently problem could be solved.
3. It is our demand to the SIDA and consultants to organize a separate workshop for Khairpur district, as this is one of the largest in Sindh province.



Members of Drainage Group

Sr. No.	Name	Organization	Contact
1.	Mr. Asghar Ali Zamindar	-	0300-9314566
2.	Mr. Abdul Latif Abro	-	0333-7172304
3.	Mr. Hosh Muhammad	-	0301-3436348
4.	Mr. Muhammad Tariq Khan	-	0331-3966139
5.	Mr. Imran Dino Buro	-	0301-3672175
6.	Mr. Noor Muhammad Junejo	-	0301-3427295
7.	Mr. Muhammad Latif Sb	-	0331-3062780
8.	Mr. Saeed Ullah Channa	-	0300-3130003

Group Leader: Mr. Abdul Latif Abro

Facilitator: Mr. Anwar Ali Baloch



ANNEXURE VIII:- WSIP-I PHASE –II STAKEHOLDERS WORKSHOP NAUSHERO FEROZE

Venue: Committee Hall, DCO Complex, Naushahro Feroze
Date: 21-07-2011
Participants: 50

Arrangements:

The workshop was organized at District Hall Naushahro Feroze. The participants were sent in advance the Project pamphlet so they could familiarize themselves with the objectives of the project. The workshop was conducted in two sessions. The first session was based on introduction and presentation. The second session was based on group discussions. The discussion was organized around the following main themes:

- Drainage
- Flood
- Socio-Economic and Institutional
- Environment

The workshop proceedings were organized around the Pre-feasibilities/ interventions by introducing the weightage proforma. This proforma indicated the different interventions suggested by the stakeholders during the previous wave of Phase-I consultations. This enabled the stakeholders to go through the pre-feasibilities prepared against the main key issues already identified during Phase-I consultative workshop of the area. In case the interventions suggested by the stakeholders at previous consultations were not accepted by the stakeholders, they were given the opportunity to suggest alternate structural or nonstructural solutions against any key issue with explanation of their views.

Opening of Workshop

Workshop was started a bit late due to the late coming of participants. Mr. Anwar Baloch lead the proceedings of the workshop. The forum was opened with the recitation of version from the Holy Book (Al-Quran). Mr. Parvez Bhaban Assistant Manager participated as representative from SIDA.

Presentation:

Dr. G. R. Keerio lead a comprehensive presentation about the Regional Plan objectives covering the whole area from the coastal belt up to the end of provincial border of Sindh in north. He explained the key issues indicated by the stakeholders during the first phase of the project with special reference to the problems of Naushahro Feroze district area and the interventions suggested. The stakeholders were requested to go through the outlined interventions and given the opportunity to discuss each suggestion during the Group discussions, suggest any change in the presented interventions/pre-feasibilities and give their reasons for changes, so that consultants can include and review it from technical and engineering point of view.

SECOND SESSION

Group Discussions:

The main discussion was conducted in the groups formed around the main themes. Each group was requested to select the group leader who can present and explain to the workshop participants the groups' views, decisions and suggestions made for each intervention.

Drainage Group:

The stakeholders nominated Ms. Shaher Bano as a group leader. The summary of the group discussions are mentioned in proforma attached with the proceedings.

Flood Group:

This group nominated Mr. Abdul Razak Korai as a team leader. The findings of this group are mentioned in separate perform of environment attached with the proceedings

Socio-Economic & Institutional Group:

Member of this group nominated Mr. Gul Moor as a group leader. The findings of this group are attached with the proceedings.

Environment Group:

The environmental group nominated MR. Atta Muhammad Solangi as a group leader. Summary of findings are mentioned in proforma attached with proceedings.

Closing Remarks:

The closing remarks were delivered by Mr. Parvez Bhaban, representative from SIDA. He explained about the SIDA's role as a client for this regional plan of left bank of Lower Indus. He further appreciated the work of the Louis Barger and Indus Consultants for the second phase of WSIP-I project.

Vote of Thanks:

At the end of conference, Anwar Baloch thanked the audience for listening carefully the whole program and also given good suggestion/decisions regarding the pre-feasibility/ interventions prepared for different aspects related to drainage, flooding, socio-economic and environmental condition of the study area.



REGIONAL PLAN PHASE II – SOLUTIONS

DRAINAGE

District: ____Nausharoferoze____ **Venue:** ____Committee Hall, DCO Complex____ **Date:** ____21-07-2011____

Sr. #	Intervention proposed by the stakeholders	Ranking by the stakeholders	Concurrence by the stakeholders	In case of disagreement additional/alternative intervention suggested by the stakeholders	Reasons for rejection of the proposed solution	Group leader signature
1.	Rehabilitation of spinal drain and KPOD	1	Ok	Subject to the approval from the stake holders of the concerned area		Signed by Group Leader
2.	Remodeling of DPOD to 4000 cfs	2	Ok	-do-		
3.	Construction of flap gate on KPOD to manage the LBOD drainage and sea water intrusion	1	Ok	-do-		
4.	Rehabilitation of SCARP Tubewells	1	Yes	Subject to the condition that the pumping status should also be rehabilitated at once.		
5.	Remodeling of Nawabshah, Sanghar, Mirpurkhas components and rehabilitation of Badin area drainage	-	Ok	Subject to the approval of concerned stake holders of the area.		



SINDH WATER SECTOR IMPROVEMENT PHASE-I PROJECT
Preparation of Regional Plan for the Left Bank of Indus, Delta and Coastal Zone



6.	Transition of SCARP fresh water tubewells	2	Ok	Proper transition may be adopted envolment of community is must to run the wells in a proper way.		
7.	Identification of best method for solving water logging and salinity	3	Ok	If tubewells start working properly automatically water logging & salinity would be controlled and reduced.		
8.	Analyze and prepare strategy for Govt of Sindh to check disposal SCARP-VI project	1	Ok	This is the main and common issue for the left bank of Lower Indus, should be taken up with technical suggestions.		
Additional comments: <ul style="list-style-type: none"> - City drainage have created the problem & waste water is being disposed off into saral minor. Hence waste water treatment plants should be installed. - Non-functional SCARP Tubewells should be rehabilitated. 						



Members of Drainage Group

S. No	Name	Contact
1	Ms. Shahar Bano	03033788164
2	Mr. A. Sattar Ghangro	03063214744
3	Mr. Mosa Mansoor Soomro	03013526254
4	Mr. Zulfiqar Qazi	03003200308
5	Miss Benazir Memon	03342120749
6	Mr. Mir Muhammad Sanghar	03012904164
7	Mr. Ghulam Hyder Tagar	03053023476
8	Mr. Gulbhar Abassi	03333303307
9	Mr. Mehboob Kalhoro	

Group Leader

Miss. Shahar Bano

SIDA

Mr. Parvaiz Rajpar

Facilitator

Mr. Anwar Ali Baloch



REGIONAL PLAN PHASE II – SOLUTIONS FLOODING

District: ____Nausharoferoze__ **Venue:** __Committee Hall, DCO Complex **Date:** _____21-07-2011_____

Sr. #	Intervention proposed by the stakeholders	Ranking by the stakeholders	Concurrence by the stakeholders	In case of disagreement additional/alternative intervention suggested by the stakeholders	Reasons for rejection of the proposed solution	Group leader signature
1.	Diversion of storm water from LBOD to Thar area	3	No Comments			Signed by Group Leader
2.	Construction of 1 Km long bund from Tidal Link.	4	Ok			
3.	Plantation of mangroves belts along Tidal link	4	Ok			
4.	Construction of channel from KPOD side for water diversion to wetlands	4	Ok			



SINDH WATER SECTOR IMPROVEMENT PHASE-I PROJECT
Preparation of Regional Plan for the Left Bank of Indus, Delta and Coastal Zone



5.	Construction of spillway to release water from wetlands	4	Ok			
6.	Diversion of flood water upstream Sukkur Barrage	1	At Ali Wahan. Place / Plant Good scheme			
7.	Second line of defence for Indus bunds from Hyderabad to Thatta - Sujawal bridge	5	Original bund be repaired through international trusted firm.			
8.	Construction of raised platforms to protect people and livestock	2	Ok			
9.	Construction of earthen embankments to protect villages from sea intrusion/ tidal effects in coastal area	6	Ok			
Additional comments: 1. All Zamindari bunds be demolished in Katcha area 2. Desilting process be regularly done in canals barrages area						



Members of Flood Group

1. Mr. Abdul Razak Korai (NGO)
2. Mr. G. Murtaza (Executive Director)
3. Dr. Amjad Ali (NGO)
4. Mr. Noor Muhammad (NGO)
5. Mr. Hamid Ali Solangi
6. Mr. Altaf Hussain Channa
7. Nawabuddin Malik (NGO)
8. Raza Muhammad (NGO)
9. Noor Malik (NGO)
10. Dr. Ahmed din Malik (NGO)

Group Leader

Mr. Abdul Razak Korai

Facilitator

Dr. G.R Keerio



REGIONAL PLAN PHASE II – SOLUTIONS

DEGRADATION OF ENVIRONMENT AND NATURAL RESOURCES

District: ____Nausharoferoze____ **Venue:** __Committee Hall, DCO Complex__ **Date:** _____21-07-2011_____

Sr. #	Intervention proposed by the stakeholders	Ranking by the stakeholders	Concurrence by the stakeholders	In case of disagreement additional/alternative intervention suggested by the stakeholders	Reasons for rejection of the proposed solution	Group leader signature
	Mangroves					Signed by Group Leader
1.	Protective plantation of mangroves in coastal area	02	Yes			
	Fisheries					
2.	Shrimp and mud crab culture in coastal areas	04	Yes			
3.	Introduction of brackish water fish in LBOD system area	03	Yes			
	Forest					
4.	Conjunctive/cyclic use of drainage water for forestation in forest and farmlands	05	Yes			
	Water Scarcity – Land Degradation					
5.	Promotion of bio saline agriculture for raising salt resistant crops and trees in Kotri Drainage Basin	01	Yes			
Additional comments: <ol style="list-style-type: none"> Additional Comment is that more plantations of mangroves is necessary. It can be possible that drainage water ratio must be ½ for forest and farm lands. 						



3. Rice, Jantar, Bih, Tress – Baid Mushk, Date trees, such type of crops trees can be planted and promoted in kotri Drainage Basin.

Following suggestions regarding District Naushahro Feroze Area were given by group members:

1. Forestation with banks of Rohri canal and its attached branches is necessary for decreasing the water logging and salinity.
2. Forestation should also be with Ex- Railway lines from Padidan to Mithani and from Tharushah to Mehrabpur. (Effects will be: Oxygen can be increased, Green house effect and Air Pollution will be decreased).
3. Projects should be launched through NGO'S interested on forestation. This can be done by advocacy, information sharing and by taking practical steps for plantation.



Member of Environment Group

S. No	Name	Organization	Contact
1	Altaf Muhammad	SPF	0300-5067821
2	M. Yaqoob Solangi	WAPDA Chairman Union	0300-3058709
3	Mir Hassan Unar	Govt Employee H.S.T	0302-2165412
4	Liaquat Ali Rajpar	S.A.L Social welfare Association President Kandiaro	0301-3384349
5	Jan Muhammad Memon	Sr. Clerk Social Welfare Dept:	0301-334788
6	Isshad Hussain Shah	Bridge Consultant	0345-5080786
7	Atta Mohammad	Assistant Professor, Degree College	0300-5067821

Group Leader

Atta Mohammad Solangi

Group facilitator

Mr. Sajjad Hussain Larik



REGIONAL PLAN PHASE II – SOLUTIONS
SOCIO-ECONOMIC AND INSTITUTIONAL

District: Naushahroferoze **Venue:** Committee Hall, DCO Complex **Date:** 21-07-2011

Sr. #	Intervention proposed by the stakeholders	Ranking by the stakeholders	Concurrence by the stakeholders	In case of disagreement additional/alternative intervention suggested by the stakeholders	Reasons for rejection of the proposed solution	Group leader signature
1.	Disaster Crisis Management Unit in SIDA	3	Yes	Check & balance proper monitoring by third party.		Signed by Group Leader
2.	Preventive maintenance program for SIDA within canal commands of AWBs	1	Yes	Water distribution not properly.		
3.	Establishment of drinking water – water treatment plants/units by relevant agencies	02	Yes			
4.	Wastewater treatment at source by concerned agencies	4	Yes			
Additional comments: 1. Tubewells 512----- Functional 150 out of 512 2. Drainage System (Not properly working) 3. Power Plant construction at Rohri Canal 4. River Indus dikes/ bunds-rehabilitation and up grade also need the stone pitching over all pass near the villages						



Members of Socio-Economic and Institutional

S. No	Namr	Organization	Contact
1	Gul Mooro	S.Water (SEWA)	03083212640
2	Ambreen	Goth Sudhar Sangat	0242535219
3	Amir Hussain	BBSYD	03003237187
4	Faraz Amer	CAC	03002631808
5	Waseem Akram	CAC	03012817195
6	Abdul Sattar Mashori	Marvi W.A (NF)	03082872933
7	Ghufran Ali Mahesar	SDS	0301-3622006
8	Sajid Ali Soomro		0300-2054819
9	M. Ismail Mori		0306-3407425
10	M. Aslam Korejo	DHARTI (S.W.A) Moro	0301-3816743
11	Anees Ahmed Soomro	Noor welfare foundation	0333-7092172
12	Sayed Aijaz Ali Shah	DCM Bridge Consultants Foundation	0301-2584596

Group Leader

Mr. Gul Mooro

Group facilitator

Ms. Zakia Mangrio



ANNEXURE IX:- WSIP-I PHASE –II STAKEHOLDERS WORKSHOP SHAHEED BENAZIRABAD

Venue: Gymkhana Hall Shaheed Benazirabad (Nawabshah)
Date: 30th July, 2011
Number of Participants: 44

Arrangements of Consultative Workshop

A phase II consultative workshop with stakeholders from Shaheed Benazirabad district was organized by LBG and Indus Associated Consultants and held on 30th July, 2011 in Gymkhana Restaurant Shaheed Benazirabad. The workshop was attended by 44 stakeholders located at different places of Shaheed Benazirabad district. The objective of the workshop was to present and discuss the solutions/interventions for already identified issues and problems during phase I study mainly pertaining to drainage, flooding, environment, natural resources, socio-economic and institutional in the left bank of Indus, delta and coastal area.

Dr. M. Saleh Soomro, Deputy Team Leader of LBG and Indus Associated Consultants, Mr. Anwar Ali Baloch Land Use Planning Consultant, Dr. G. R. Keerio Environmentalist/Ecologist, Mr. Sajjad Hussain Larik Anthropologist, Miss Zakia Mangrio Junior Sociologist organized and attended the workshop. Prior to workshop/during registration all the stakeholders were provided the brochure of WSIP-I and Regional Master Plan, copy of presentation, writing pad and writing material (Pen and markers), blank feedback proforma etc. to facilitate and make them understand the presentation and give their independent feedback about the consultative workshop.

Introduction about the consultative workshop

After recitation from Holy Quarn Mr. Anwar Ali Baloch Land Use Planning Expert of LBG and Indus Associated consultants initiated the proceedings of the workshop by giving a detailed introduction of the project area, background of the assignment of Preparation of a Regional Master Plan for left bank of Indus, delta and coastal area, its aims and objectives and purpose of conducting consultative workshops with the stakeholders. He also informed that four focused groups of stakeholders will be formulated as under:

- Drainage group
- Flooding group
- Environment and natural resources group
- Socio-economic and Institutional group

Participants were requested to join any group of their interest and give their inputs/suggestions during the group work and also unanimously select one member of their group as Group Leader who shall present the outcome of group work before all the participants.

Opening remarks by Dr. M. Saleh Soomro DTL

After introductory address Dr. M. Saleh Soomro thanked all the participants who have come from different areas of the district. He delivered opening remarks by briefly introducing the WSIP-I project and objectives of the Regional Plan. He described the participatory approach adopted by the consultants for preparing this plan. The issues identified during the previously conducted workshops during phase – I have been studied by the technical experts and have come up with solutions for each issue identified by the stakeholders. He informed that the study is being conducted in four phases by the consultants and its 1st phase has been

completed in which consultative workshops at local, district, regional and national levels. We are now in phase II and conducting stakeholders workshops to discuss the solutions, have concurrence of stakeholders, give chance to the stakeholders to suggest alternate solutions and prioritize them. The proposed interventions by the consultants for each issue will be presented before the stakeholders by Dr. G. R. Keerio, discussed in this forum and any alternative proposals/interventions by the stakeholders will be recorded. Concluding the opening remarks Dr. Soomro again thanked all the participants and requested them to actively participate in the group work and give us a feedback so that we may incorporate in the regional plan for the project area.

Presentation by the LBG/Indus Associated Consultants

Dr. G. R. Keerio of LBG and Indus Associated Consultants gave a detailed multi-media presentation before the participants explaining the objectives of consultative workshop, solutions of the identified issues and problems by the stakeholders pertaining to drainage, flooding, environment and natural degradation and socio-economic and institutional aspects of the study. The presentation included the maps, diagrams, drawings and explanatory notes about each issue and solution.

Group Work

The stakeholders were divided in four groups on drainage, flooding, environment and natural resources and socio-economic and institutional aspects. The process of group work was explained to the stakeholders and necessary writing material and proforma was provided to each group. Following interventions were presented in each aspect of the study:

Drainage

Number of interventions presented	08
Group Facilitator	Mr. Anwar Ali Baloch
Number of participants	08
Group Leader	Mr. Ali Nawaz Channar

Flooding

Number of interventions presented	09
Group Facilitator	Dr. G. R. Keerio
Number of participants	11
Group Leader	Mr. Rajab Ali Jalbani

Environment & NR

Number of interventions presented	05
Group Facilitator	Dr. M. Saleh Soomro
Number of participants	12
Group Leader	Abdul Qadir Jilani

Socio-economic and Institutional



Number of interventions presented	04
Group Facilitator	Ms. Zakia Mangrio
Number of participants	10
Group Leader	Mr. Nisar Ahmed Keerio

The participants also gave their frank comments and suggestions in each group. These were recorded on the format provided to them which will be studied technically by the consultants and included in the report.

During the group work the stakeholders in each group discussed proposed interventions, gave their concurrence, suggested alternate suggestions and ranked the proposed intervention.

Comments/Concurrence of the stakeholders on proposed interventions

The stakeholders' concurrence on each intervention and alternate intervention proposed by the stakeholders are given in format designed by the consultant. The participants of each group selected a group leader who signed the proforma and presented the findings of their group in a plenary session before the stakeholders. The groups on drainage, environment and natural resources and flooding gave some additional comments and interventions which were recorded on the enclosed proforma.

The format and comments/additional interventions are appended herewith.

Concluding remarks by Deputy Team Leader

After group work and presentation by the group leaders Dr. M. Saleh Soomro concluded the session in which he expressed his satisfaction on the interest shown by the stakeholders and conduct and outcome of the consultative workshop. The interest and inputs of the stakeholders during the group work and presentation by them were also appreciated. He thanked the stakeholders for their interest and inputs in the workshop and also appreciated the efforts of LBG and Indus Associated Consultants for hard work in organizing and presenting various interventions in the workshop for phase II.

Vote of Thanks and Conclusion

In the end Mr. Anwar Ali Baloch who conducted the workshop very nicely thanked all the participants who have come from far areas of the district to attend the workshop and also provided their inputs and concurrence on the proposed interventions during the workshop. They were also requested that in case they have further inputs/suggestions they are welcome to send us through e.mail or any other source of communication within five days of this workshop.



**REGIONAL PLAN PHASE II – SOLUTIONS
DRAINAGE**

District: Shaheed Benazirabad **Venue:** Gymkhana **Date:** 30-07-2011

Sr. #	Intervention proposed by the stakeholders	Ranking by the stakeholders	Concurrence by the stakeholders	In case of disagreement additional/alternative intervention suggested by the stakeholders	Reasons for rejection of the proposed solution	Group leader signature
1.	Rehabilitation of spinal drain and KPOD	01	Ok			Signed by Group Leader & members
2.	Remodeling of DPOD to 4000 cfs	01	Ok			
3.	Construction of flap gate on KPOD to manage the LBOD drainage and sea water intrusion	01	Ok			
4.	Rehabilitation of SCARP Tubewells	01	Ok			
5.	Remodeling of Nawabshah, Sanghar, Mirpurkhas components and rehabilitation of Badin area drainage	02	ok	Rehabilitate is required for Nawabshah Component		
Note : Rehabilitation of Nawabshah Tube wells is must. Because than 5o% Tubewells have gone out of order due to the improper O&M of the Department and lack of community awareness.						
6.	Transition of SCARP fresh water tubewells	01	ok	Community ownership for proper use of Tubewells and their maintenance		
7.	Identification of best method for solving	01	Ok	- High Delta Crop like sugar, Banana and Rice should be restricted in the		



SINDH WATER SECTOR IMPROVEMENT PHASE-I PROJECT
Preparation of Regional Plan for the Left Bank of Indus, Delta and Coastal Zone



	water logging and salinity			district. - Plantation of Eucalyptus and conicropes may be promoted - Bio saline agriculture and Fish Ponds should be introduced		
8.	Analyze and prepare strategy for Govt of Sindh to check disposal SCARP-VI project	01	Ok	This is a common cause for Sindh Province, therefore the Rehim yar khan project may be stopped immediately the providing a reasonable Drainage System i-e. evaporation ponds may me remodeled and lined to solve the major Issue		

Additional comments:

We all Group members propose above rehabilitation plan for drainage. We all agree with above proposal.

Remarks:

Seepage from Rohri Canal

Due to Seepgae hundreds of Acre have been water logged-

Suggestions:-

1. Pitching in Rohri canal
2. Rehabilitation of interceptor drains.
3. Installation of new drains to check the seepage water from canals so that water logging should be checked
4. Tree cutting should be stopped along IP and N.I.P of canals and new tree plantation where ever necessary to fill up the Gaps should be carried out.



Members of Drainage Group

S. No	Name	Contact
1	Mr. Allah Bukash Khokhar	0300-3089634
2	Mr. Syed Qurban Ali Shah	0300-3080289
3	Mr. Dilshad Keerio	0307-3960078
4	Mr. Allahdad Keerio	0300-3217342
5	Mr. Ali Nawaz Channer	0337019568
6	Mr. Arbab Ali Keerio	0302-3209085
7	Mr. Ghulam Ali Keerio	0322-3895544
8	Mr. Naeem Qazi	0301-3800260

Group Leader

Mr. Ali Nawaz Channer

Group Facilitator

Mr. Anwar Ali Baloch



REGIONAL PLAN PHASE II – SOLUTIONS

FLOODING

District: Shaheed Benazirabad Venue: Gymkhana

Date: 30-07-2011

Sr. #	Intervention proposed by the stakeholders	Ranking by the stakeholders	Concurrence by the stakeholders	In case of disagreement additional/alternative intervention suggested by the stakeholders	Reasons for rejection of the proposed solution	Group leader signature
1.	Diversion of storm water from LBOD to Thar area	2	Ok People of Thar area should be consulted	-	-	Signed by Group Leader
2.	Construction of 1 Km long bund from Tidal Link.	3	Ok			
3.	Plantation of mangroves belts along Tidal link	4	Ok			
4.	Construction of channel from KPOD side for water diversion to wetlands	5	Ok			
5.	Construction of spillway to release water from wetlands	6	Ok			
6.	Diversion of flood water upstream Sukkur Barrage	1	Ok			
7.	Second line of defence for Indus bunds from Hyderabad to Thatta - Sujawal bridge	8	Do not agree it is better to improve original bund along Indus			



SINDH WATER SECTOR IMPROVEMENT PHASE-I PROJECT
Preparation of Regional Plan for the Left Bank of Indus, Delta and Coastal Zone



8.	Construction of raised platforms to protect people and livestock	7	Ok			
9.	Construction of earthen embankments to protect villages from sea intrusion/ tidal effects in coastal area	9	Ok			
Additional comments: 1. Dhandhs in Kacho area should also be revived. Original water ways be revived 2. In riverine area private bunds should be demolished Group Leader: Mr. Rajab Ali Jalbani Co-group leader: Liaquat Ali Shar						



Members of Flood Group

- | | |
|-----------------------|----------------------|
| 1. Ali Akbar Keerio | NGO Representative |
| 2. Chanesar Keerio | NGO Representative |
| 3. ARaab Ali Jalbani | NGO Representative |
| 4. Naseema Baloch | NGO Representative |
| 5. Mehwish | NGO Representative |
| 6. Mehtab Khaskhily | NGO Representative |
| 7. Farzana | NGO Representative |
| 8. Liaqut Ali Shar | NGO Representative |
| 9. Raman Ali | NGO Representative |
| 10. Mumtaz Ali keerio | NGO Representative |
| 11. M. Ameen Keerio | Sindhica Reforms NGO |

Group Leader

Mr. Rajab Ali Jalbani

Co-Group Leader

Mr. Liaquat Ali Shar

Group Facilitator

Dr. G. R. Keerio



REGIONAL PLAN PHASE II – SOLUTIONS DEGRADATION OF ENVIRONMENT AND NATURAL RESOURCES

District: Shaheed Benazirabad **Venue:** Gymkhana **Date:** 30-07-2011

Sr. #	Intervention proposed by the stakeholders	Ranking by the stakeholders	Concurrence by the stakeholders	In case of disagreement additional/alternative intervention suggested by the stakeholders	Reasons for rejection of the proposed solution	Group leader signature
	Mangroves					Signed by Group Leader
1.	Protective plantation of mangroves in coastal area	03	Yes			
	Fisheries					
2.	Shrimp and mud crab culture in coastal areas	01	Yes			
3.	Introduction of brackish water fish in LBOD system area		Yes			
	Forest	02	No			
4.	Conjunctive/cyclic use of drainage water for forestation in forest and farmlands		No	Grow Rose Plant variety, Which are water resistant.	Soil fertility will be disturbed	
	Water Scarcity – Land Degradation					
5.	Promotion of bio saline agriculture for raising salt resistant crops and trees in Kotri Drainage Basin	04	Yes			
6.	Revival of Wetlands	05	Yes			

Additional comments:

1. Law may be enforced to preserve, protect and promote forests.
2. 10 MAF water may be allowed downstream Kotri to protect the sea intrusion in fertile lands.
3. Reverine forests may be protected as they provide sustainable livelihood to millions of the people.
4. The water from river reaching dhands may be preserved in dhands.



5. Chotiari reservoir may be protected and fish farms may be established around the reservoir and excursion places may be provided for people. Further that fish oil extraction units may be provided for sale of fish oil in the market places.
6. Prawns and mud crabs be developed in coastal areas and their marketing channels may be provided for international marketing.
7. Market places may be provided for sale of fish around inland wetlands.
8. The wastewater may be recycled and used for agriculture especially in sandy areas.
9. Industrialists may be made bound to treat their effluent within factory premises and use for agriculture, lawns and parks.
10. Environmental law may be enforced in letter and spirit
11. The law to protect the forests be enacted and those who breach the law may be punished.
12. All abandoned tube wells be revived and at least 500 new tube wells be installed in Nawabshah, Sanghar and Mirpurkhas.
13. All drains be rehabilitated and renovated as per their design.
14. Water seeping from Rohri canal in the adjacent lands may be pumped back into the Rohri canal to protect the adjoining lands from water logging.
15. Water courses outcoming directly from Rohri canal or other canals may be closed.
16. To protect the flood protection bunds, both sides of the bunds must have trees planted so that bunds could be protected from erosion etc.
17. Forests are a treasure but are being destroyed under the government supervision. We get lot of valuable things from trees including gum, wood, fodder for animals, birds, animals etc.
18. All government departments may be involved in tree plantation. Use of fertilizers and pesticides may be minimized and crop rotation be adopted to maintain the fertility of soil. Use of organic farming may be supported.
19. Bio-technology and organic farming may be supported. Flood protection bunds may be repaired before any flood comes to avoid loss of lives, crops, animals and property.



Member of Environment Group

S. No	Name	Contact
1	Abdul Qadir Jillani	0301-3802541
2	Shah Murad	0305-5875061
3	Muhammad Alam Junejo	0301-3815245
4	Ali Akbar	0302-3202932
5	Tariq Hussian Keerio	0333-2718902
6	Muneer Ahmed Keerio	0307-2640741
7	Ali Bux Keerio	0306-2508993
	Abdul Qadir Baloch	0300-816019
	Saleh Billor	0333-7006119
	A Nasir Laghari	0301-3556064
	Eng. Kishan Chand	0314-2810129
	Akhtar H. Tunio	0300-3239601

Group Leader

Mr. Abdul Qadir Jeelani

Group facilitator

Dr. Muhammad Saleh Soomro



REGIONAL PLAN PHASE II – SOLUTIONS SOCIO-ECONOMIC AND INSTITUTIONAL

District: Shaheed Benazirabad **Venue:** Gymkhana **Date:** 30-07-2011

Sr. #	Intervention proposed by the stakeholders	Ranking by the stakeholders	Concurrence by the stakeholders	In case of disagreement additional/alternative intervention suggested by the stakeholders	Reasons for rejection of the proposed solution	Group leader signature
1.	Disaster Crisis Management Unit in SIDA	04	Yes			Signed by Group Leader
2.	Preventive maintenance program for SIDA within canal commands of AWBs	03	Yes			
3.	Establishment of drinking water – water treatment plants/units by relevant agencies	01	Yes			
4.	Wastewater treatment at source by concerned agencies	02	Yes			

Additional comments:

- There is lot of drainage problem in cities as well as in town and villages. No proper drainage scheme is working and prevailing system has created havoc by spreading over in the streets in the shape of ponds. Because of this different type of diseases like Hypatytus B&C, Sugar Head attack, Skin have taken place.
- Common use of pesticides, insecticides over crops, specially the artificial chemicals have worked like poison and because of that many lives of animals and birds even human beings have been lost.
- Environmental damages have been received to every part of this district by cutting trees from the IP and NIP of canals even from the side tracks of roads. Rainfall have been decreased due to deforestation. Also seepage from the canals have created water logged conditions.
- Drainage channels should be launched in the adjacent areas of Town and village so that town and village drainage effluent could be catered into the drains.



Members of Socio-Economic and Institutional

S. No	Namr	Organization	Contact
1	Nisar Ahmed Keerio	Indus Keeria Social Forum	0302-3245356
2	Muhammad Yaseen	Sindh Welfare Association	0300-3220454
3	Ghulam Rasool Abro	M.H.D (S.B.A)	0344-3692262
4	Zubair Hussain Solangi	(S.B.A)	0305-3087002
5	Ghulam Yaseen Mastoi	CES	0333-7024778
6	Muhammad Bachal Dahyo	Imdad Foundation	0300-3211372
7	Abdul Jabbar	WWO	0307-3414350
8	Aijaz Ali Keerio	Land Lord	0303-3368731
9	Seema Baloch	Assistant Projector Coordinator	031-42685491
10	Saleem Akbar Umrani	Mehzan Human Dev: Foundation	0306-2603360

Group Leader

Mr. Nisar Ahmed Keerio

Group facilitator

Ms. Zakia Mangrio



ANNEXURE X:- WSIP-I PHASE –II STAKEHOLDERS WORKSHOP SANGHAR

Venue: District Nazim Secretariat Council Hall, Sanghar
Date: 9th August, 2011
Number of Participants: 54

Arrangements of Consultative Workshop

A phase II consultative workshop with stakeholders from Sanghar district was organized by LBG and Indus Associated Consultants and held on 9th August, 2011 in District Nazim Secretariat Conference Hall, Sanghar. The workshop was attended by 54 stakeholders located at different places of Sanghar district. The objective of the workshop was to present and discuss the solutions/interventions for already identified issues and problems during phase I study mainly pertaining to drainage, flooding, environment, natural resources, socio-economic and institutional in the left bank of Indus, delta and coastal area.

Mr. Abdul Rashid Mahar from SIDA attended the workshop as guest of honor. Dr. M. Saleh Soomro, Deputy Team Leader of LBG and Indus Associated Consultants, Mr. Anwar Ali Baloch Land Use Planning Consultant, Dr. G. R. Keerio Environmentalist/Ecologist, Mr. Sajjad Hussain Larik Anthropologist, Miss Zakia Mangrio Junior Sociologist organized and attended the workshop.

Prior to workshop/during registration all the stakeholders were provided the brochure of WSIP-I and Regional Master Plan, copy of presentation, writing pad and writing material (Pen and markers), blank feedback proforma etc. to facilitate and make them understand the presentation and give their independent feedback about the consultative workshop.

Introduction about the consultative workshop

After recitation from Holy Quarn Mr. Anwar Ali Baloch Land Use Planning Expert of LBG and Indus Associated consultants initiated the proceedings of the workshop by giving a detailed introduction of the project area, background of the assignment of Preparation of a Regional Master Plan for left bank of Indus, delta and coastal area, its aims and objectives and purpose of conducting consultative workshops with the stakeholders. He also informed that four focused groups of stakeholders will be formulated as under:

- Drainage group
- Flooding group
- Environment and natural resources group
- Socio-economic and Institutional group

Participants were requested to join any group of their interest and give their inputs/suggestions during the group work and also unanimously select one member of their group as Group Leader who shall present the outcome of group work before all the participants.

Opening remarks by Mr. Abdul Rashid Mahar SIDA Representative

Mr. Abdul Rashid Mahar delivered opening remarks by briefly introducing the WSIP-I project and objectives of the Regional Plan. He described the participatory approach adopted by the consultants for preparing this plan. The issues identified during the previously conducted workshops during phase – I have been studied by the technical experts and have

come up with solutions for each issue identified by the stakeholders. He informed that the study is being conducted in four phases by the consultants and its 1st phase has been completed in which consultative workshops at local, district, regional and national levels. We are now in phase II and conducting stakeholders workshops to discuss the solutions, have concurrence of stakeholders, give chance to the stakeholders to suggest alternate solutions and prioritize them. The proposed interventions by the consultants for each issue will be presented before the stakeholders by the consultants, discussed in this forum and any alternative proposals/interventions by the stakeholders will be recorded. Concluding the opening remarks Mr. Mahar thanked all the participants and requested them to actively participate in the group work and give us a feedback so that we may incorporate in the regional plan for the project area.

Presentation by the LBG/Indus Associated Consultants

Dr. G. R. Keerio Environmentalist/Ecologist of LBG and Indus Associated Consultants gave a detailed multi-media presentation before the participants explaining the objectives of consultative workshop, process of consultation solutions of the identified issues and problems by the stakeholders pertaining to drainage, flooding, environment and natural degradation and socio-economic and institutional aspects of the study. The presentation included the maps, diagrams, drawings and explanatory notes about each issue and solution.

Group Work

The workshop was attended by a diverse group of participants belonging to grass root level community organizations, International NGOs, local NGOs working on various social issues, agriculturists, farmers' organizations, government departments' representatives, information department, print media personnel and other concerned groups. The stakeholders were requested to join one of the four groups on drainage, flooding, environment and natural resources and socio-economic and institutional aspects. The process of group work was explained to the stakeholders by the facilitators and necessary writing material and proforma was provided to each group. Following interventions were presented in each aspect of the study:

Drainage

Number of interventions presented	08
Group Facilitator	Mr. Anwar Ali Baloch
Group Leader	Mr. Habib Baig Farmers organization Shahdadpur

Flooding

Number of interventions presented	09
Group Facilitator	Dr. G. R. Keerio
Group Leader	Mr. Muhammad Rafiq Brohi NGO representative

Environment & NR

Number of interventions presented	05
Group Facilitator	Dr. M. Saleh Soomro
Group Leader	Ms Hina Urooj

Socio-economic and Institutional

Number of interventions presented 04
Group Facilitator Ms. Zakia Mangrio
Group Leader Mr. Zafar Ali Talpur, Manager Chotiari Wetland
 Complex , WWF-Pakistan

Comments/Concurrence of the stakeholders on proposed interventions

The participants also gave their frank comments and suggestions in each group. These were recorded on the format provided to them which will be studied technically by the consultants and included in the report. During the group work the stakeholders in each group discussed proposed interventions, gave their concurrence, suggested alternate suggestions and ranked the proposed intervention.

After group work the participants assembled in plenary session and Group Leader from each group presented the outcome of their group work, concurrence or disagreement on the proposed interventions, reasons for disagreement, alternate interventions, comments on the working of different organizations and ranking of the proposed interventions and general comments.

The stakeholders' concurrence on each intervention and alternate intervention proposed by the stakeholders are given in format designed by the consultant. The group leader signed the proforma and presented the findings of their group before the stakeholders. The groups on drainage, environment and natural resources and flooding gave some additional comments and interventions which were recorded on the enclosed proforma.

The format and comments/additional interventions are appended herewith.

Concluding remarks by SIDA Representative

After group work and presentation by the group leaders Mr. Abdul Rashid Mahar from SIDA gave his concluding remarks in which he expressed his satisfaction on the interest shown by the stakeholders and conduct and outcome of the consultative workshop by the consultants. The interest and inputs of the stakeholders during the group work and presentation by them were also appreciated. He thanked the stakeholders for their interest and inputs in the workshop and also appreciated the efforts of LBG and Indus Associated Consultants for hard work in organizing and presenting various interventions in the workshop for phase II.

Vote of Thanks by Deputy Team Leader

In the end Dr. M. Saleh Soomro Deputy Team Leader of LBG and Indus Associated Consultants thanked all the participants who have come from far areas of the district to attend the workshop and also provided their inputs and concurrence on the proposed interventions during the workshop. He informed that the proceedings of this consultative workshop will be formulated by the consultants and shared with the stakeholders through e.mail in few days. They were requested that in case they have further inputs/suggestions they are welcome to send us through e.mail or any other source of communication within five days of this workshop.

Conclusion of Consultative Workshop



In the end Mr. Anwar Ali Baloch thanked all the stakeholders for joining this workshop and their valuable inputs. He also thanked the SIDA Representative for joining the workshop and expressing his opening and concluding remarks, and Mr. Ibrahim Khilji AHEAD Social Organization Sanghar (partner NGO) for his support in organizing this workshop and Officers and staff of Revenue Department of Sanghar for their cooperation in providing the venue and other facilities for this workshop.



REGIONAL PLAN PHASE II – SOLUTIONS DRAINAGE

District: Sanghar **Venue:** District Council Hall **Date:** 09-08-2011

Sr. #	Intervention proposed by the stakeholders	Ranking by the stakeholders	Concurrence by the stakeholders	In case of disagreement additional/alternative intervention suggested by the stakeholders	Reasons for rejection of the proposed solution	Group leader signature
1.	Rehabilitation of spinal drain and KPOD		Yes	Rehabilitation of Spinal drain upto 12000 cusec		Signed by Group Leader
2.	Remodeling of DPOD to 4000 cfs		Yes			
3.	Construction of flap gate on KPOD to manage the LBOD drainage and sea water intrusion		Yes			
4.	Rehabilitation of SCARP Tubewells		Yes			
5.	Remodeling of Nawabshah, Sanghar, Mirpurkhas components and rehabilitation of Badin area drainage		Yes			
6.	Transition of SCARP fresh water tubewells		Yes	Hand over all Tubewells to FOs or water course association with legal way & in starting position.		
7.	Identification of best method for solving water logging and salinity		Yes			



8.	Analyze and prepare strategy for Govt of Sindh to check disposal SCARP-VI project		Yes	Stop the brackish water of Rahim Yar Khan and they should dispose of their effluent in own way.		
<p>Additional comments:</p> <ul style="list-style-type: none">1- Waste Water of Cities, Industries and Specially the Sugar Mills Waste Should not be disposed of into Drainage System2- Water logged areas should be drained out into prevailing system of Drainage3- Seepage water from canals should be drained through Interceptor drains and recycled into canal system.4- Saline water in the adjacent area of Chotiari Reservoir may be drained out by installing tubewells and arranged to be disposed of into prevailing drainage system.5- From Paca sari Mori, the main Nara Canal should be diverted through its original old course.6- Old course of river remnants (Dhoras) should be rehablited so that during high storm water flooding may not damage the agriculture crops, Town, villages of the study area.- Within the group, Stake holders were not able to take any decision regarding the ranking of mentioned proposed interventions, they were of view that consultants can carry out the ranking from structural and non-structural point of view.						



Members of Drainage Group

S. No	Name	Contact
1	Mir Muhammad Nizamani	0345-3733614
2	Hassan Askari	0333-2913164
3	Habib Baig	0345-3724785
4	Din Muhammad Umrani	0301-3911021
5	Medam Salama Qureshi	0333-922437
6	Hoosh Muhammad	0333-2920933
7	Khalid Baloch	0333-2914714
8	Ghulam Rasool Narejo	0333-2920533
9	Abdul Waheed	0333-2916188

Group Leader

Mr. Habib Baig

Facilitator

Mr. Anwar Ali Baloch



REGIONAL PLAN PHASE II – SOLUTIONS FLOODING

District: Sanghar **Venue:** District Council Hall **Date:** 09-08-2011

Sr. #	Intervention proposed by the stakeholders	Ranking by the stakeholders	Concurrence by the stakeholders	In case of disagreement additional/alternative intervention suggested by the stakeholders	Reasons for rejection of the proposed solution	Group leader signature
1.	Diversion of storm water from LBOD to Thar area	1	Endorsed	A survey is proposed for Flood Retardation Basins to divert the excessive storm water in Thar area.	-	Signed by Group Leader (M. Rafiq Brohi)
2.	Construction of 1 Km long bund from Tidal Link.	4	Endorsed	-	-	
3.	Plantation of mangroves belts along Tidal link	3	Endorsed	-	-	
4.	Construction of channel from KPOD side for water diversion to wetlands	4	Endorsed	-	-	
5.	Construction of spillway to release water from wetlands	4	Endorsed	-	-	
6.	Diversion of flood water upstream Sukkur Barrage	2	Endorsed	-	-	
7.	Second line of defence for Indus bunds from Hyderabad to Thatta - Sujawal bridge	-	Disagreed	Original embankment should be strengthened instead of second line of defense.		



SINDH WATER SECTOR IMPROVEMENT PHASE-I PROJECT
Preparation of Regional Plan for the Left Bank of Indus, Delta and Coastal Zone



8.	Construction of raised platforms to protect people and livestock	5	Endorsed	-	-	
9.	Construction of earthen embankments to protect villages from sea intrusion/ tidal effects in coastal area	6	Agreed	-	-	
Additional comments: No Additional Comments						



Members of Flood Group

12. Ghulam Murtaza	President ASDS (NGO) Sanghar
13. Abdul Wahab Narejo	Sindh Nareja Welfare Organization (SNWO) Sanghar
14. Muhammad Rafiq Brohi	M&E DEVCON Sanghar
15. Muhammad Saleem	President PMRSO Sanghar

Group Leader

Mr. Muhammad Rafiq Brohi

Facilitator

Dr. G.R. Keerio



REGIONAL PLAN PHASE II – SOLUTIONS DEGRADATION OF ENVIRONMENT AND NATURAL RESOURCES

District: Sanghar **Venue:** District Council Hall **Date:** 09-08-2011

Sr. #	Intervention proposed by the stakeholders	Ranking by the stakeholders	Concurrence by the stakeholders	In case of disagreement additional/alternative intervention suggested by the stakeholders	Reasons for rejection of the proposed solution	Group leader signature
	Mangroves					Signed by Group Leader
1.	Protective plantation of mangroves in coastal area		Yes	Mangroves forest are necessary at coastal belt		
	Fisheries					
2.	Shrimp and mud crab culture in coastal areas		Yes	Shrimps and Mud crab be developed in coastal areas		
3.	Introduction of brackish water fish in LBOD system area		Yes	Brackish water fish be introduced in the LBOD system		
	Forest					
4.	Conjunctive/cyclic use of drainage water for forestation in forest and farmlands		Yes	Only for forest lands but not for farmlands because this water will increase the soil salinity.		
	Water Scarcity – Land Degradation					
5.	Promotion of bio saline agriculture for raising salt resistant crops and trees in Kotri Drainage Basin		No	Where the land is saline, the brackish water will make the land more saline		
6.	Revival of Wetlands		Yes	The bunds should not be above the land surface. The sweet water may be allowed in depressions and dhoras. Vegetation may be grown on both side of bund like trees of Babur, Sheesham, Neem and Eucalyptus		



Additional comments:

- 1- The depressions along side the canals water /courses be used as fish hatcheries. Where water is extra, these depressions may be filled with fresh water that may be used at times when needed.
- 2- Trees may be planted on both the bunds of the canals/ drains to protect the bunds from erosion and for getting income from trees.
- 3- There used to be paths for animal along side the canals which have been removed therefore the animals walk along the bunds and erode them. The paths for animals along side the canals be revived.
- 4- Villages made on the banks of the canals/ distributaries may be removed at some safer distance to protect the canal bunds from animal trespassing .
- 5- Fresh water depressions may not be filled with brackish water because that will render the underground sweet water brackish .
- 6- There is a problem of drinking water in village Muhammad Hassan, the entire village use the canal water directly for drinking which is hazardous. Government may provide safe drinking water to the people of the village.
- Within the group, Stake holders were not able to take any decision regarding the ranking of mentioned proposed interventions, they were of view that consultants can carry out the ranking from structural and non-structural point of view.



Member of Environment Group

S. No	Name	Contact
1	Naveed Aktar	0344-3727529
2	Mir Hassan Burdhi	031-33358703
3	M. Sharif	0235-402324
4	Chan Muhammad	0336-2280661
5	Khan Muhammad	0333-2921287
6	Hina Urooj	0333-2916962
7	Barkat Ali	0333-2018657
8	Ghulam Hussain	0300-7048479
9	Mano Jin	

Group Leader

Ms. Hina Urooj

Group facilitator

Dr. Muhammad Saleh Soomro



REGIONAL PLAN PHASE II – SOLUTIONS SOCIO-ECONOMIC AND INSTITUTIONAL

District: Sanghar **Venue:** District Council Hall **Date:** 09-08-2011

Sr. #	Intervention proposed by the stakeholders	Ranking by the stakeholders	Concurrence by the stakeholders	In case of disagreement additional/alternative intervention suggested by the stakeholders	Reasons for rejection of the proposed solution	Group leader signature
1.	Disaster Crisis Management Unit in SIDA		No	Other agencies are already working on Disaster Crisis Management		Signed by Group Leader
2.	Preventive maintenance program for SIDA within canal commands of AWBs	3	Yes			
3.	Establishment of drinking water – water treatment plants/units by relevant agencies	1	Yes			
4.	Wastewater treatment at source by concerned agencies	2	yes			
Additional comments: <ul style="list-style-type: none">- Introduce Best Management Practices in Agriculture- Plantation Formers trainings- Fishing Practices- Provide alternative energy sources to communities like Bio-Gas & Solar Units- Stop deforestation, re-in force re-forestation- Maintenance of Sim Nalas.- Improve water distribution among farmers.- Range land Development Plans- Storage of rain water- SIDA, Irrigation department, Agriculture department and Forest department should work and plan with integration.						



Members of Socio-Economic and Institutional

S. No	Namr	Organization	Contact
1	Syed Aijaz Hussain	S.S.D.O	0300-3357468
2	M. Soomer	Ehsas Welfare Association	0301-3519930
3	Zulfiqar Ali Dahri	SHWS Shah pur chakar	0333-7585702
4	Amanulla Dahri	WMRDT	0302-3233661
5	Zafar Ali Talpur	WWF (Group Leader)	0346-3623843
6	Kubra Mangrio	WWF	0301-3593284

Group Leader

Mr. Zafar Talpur

Group facilitator

Ms. Zakia Mangrio



ANNEXURE XI:- WSIP-I PHASE –II STAKEHOLDERS WORKSHOP TANDO MUHAMMAD KHAN

Venue: District Council Hall, Tando Mohammad Khan
Date: November 22, 2011
Number of participants: 57 participants

Arrangements:

In cooperation with SIDA, the District stakeholders' consultative workshop was conducted by the The Louis Berger Group Inc. and Indus Associated Consultants at District Council Hall in Tando Mohammad Khan District on November 22, 2011. The workshop was attended by the stakeholders from Tando Mohammad Khan district, SIDA team and Consultants. The organization and support was assured by the partner NGO, Al-Shahbaz Development Organization. During the registration process, the stakeholders were provided with the workshop agenda, project brochure, copy of the presentation, writing pads and writing material (pen and markers) etc.

The workshop was conducted in two sessions: the session was based on the main presentation while the second session was group discussion and presentations. The following focus groups were formed during the second session:

- Drainage
- Flood
- Scio-Economic and Institutional
- Environment

Workshop Purpose:

The main purpose of the workshop was to:

- Present solutions proposed during the consultations with communities and stakeholders in the Phase I, get alternative/additional solutions and to get stakeholders' endorsement of the proposed and prioritized solutions mainly pertaining to drainage, flooding, environment, natural resources, socio-economic and institutional issues in the left bank of Indus, delta and coastal area.

Workshop Introduction:

Mr. Anwar Ali Baloch, Land Use Planning Expert of LBG and Indus Associated consultants, was the master of the conference and proceeded the whole workshop according to the agenda. The workshop started with the recitation from the Holy Quran. The team of consultants from LBG and Indus was introduced to the stakeholders by Mr. Anwar Ali Baloch. The workshop introduction was given by Dr. Saleh M Soomro, the Deputy Team Leader and Environment Engineer, Indus Associated Consultants.

Dr. M. S. Soomro in his introductory remarks thanked all of the stakeholders and SIDA's team for attending the workshop. He informed the stakeholders that this workshop was scheduled on 11th August, but due to rainy season, participants were not able to come on scheduled date. He requested stakeholders to give their input in the group discussions during the second session.

Mr. Nazir Memon, GMT – SIDA, delivered the opening remarks of the workshop. After opening remarks, the main presentation was delivered by Dr. G. R. Keerio, Environmentalist/Ecologist; Indus Associated Consultants.



Mr Nazeer Memon, GMT SIDA

Mr. Nazir Memon, GMT from SIDA, addressed the workshop participants. He said the following: ‘I am very happy that Sindh government has taken initiative and willing to develop a Master Plan from Ghotki to Badin, so that drainage issues can be solved. As in recent flood, our whole infrastructure and socio-economic life was disturbed. Therefore, master plan should be made that can work for 100 and more years. Sindh government has given this responsibility to SIDA to handover this Master plan task to experienced consultants such as the team of LBG and Indus. We trust them; they will work by heart for the area of people and hand over to us the solutions that will definitely work. This job is not to work from offices but this team of consultants went into field in recent flood, worked very hard, and took satellite images also with the guidance of SIDA.

We cannot stop natural disasters but the effects of natural disasters can be reduced and this team is working on that. The consultation process was stopped due to rain and same process is started again keeping in view the flood effects. The team is sorting out feasible engineering and non-engineering solutions, also called as structural and non-structural solutions. The team has visited upper and lower area to make this master plan and also discussed the plan on different platforms. Recently, the President also was briefed on the master plan.

Panel of Experts, 22 persons, is also formed. The panel is chaired by Dr. Assadullah Kazi, the coastal zone management scientist who also worked in Saudi Arabia for a long time. He is looking the whole plan as a volunteer. In the panel, there is Idrees Rajput sb, a professor from the Mehran university, Naseer Memon, Mustafa Talpur and people from civil society. This collective group of 22 experts is observing the whole project.

It is the instruction from the Sindh government that each activity of the master plan should be done through consultation with local people and full local participation should be ensured. Consultation process should be conducted with Abadgar organizations, local people, civil society, NGOs, so that local participation can be ensured. I am very happy to see that the consultation process is highly improved. I give greetings to the Consultant’s team and note that participation of local people is improved.

Recent flood was upsetting but there was one benefit that making master plan will be easier now. Old people know very well the natural flow of waters but we people, new generation, don’t know. Now we learned that natural flows can be disturbed. There will be bad effects if we will disturb natural water flows. Another issue of L.B.O.D was also observed. The team of consultants is looking to that issue and working that what improvements can be suggested and what are the alternative ways.

SIDA has recently advertised and invited firms by a newspaper to conduct the study on how the L.B.O.D water can be made useful for Thar coal project instead of sending water to sea from Badin area. Thar coal is a big project of Sindh Government and it needs water supply. Government is trying to bring this issue under study with support of people.

Dr. G. R. Keerio will deliver a presentation and we all will listen to see if there is any solution which cannot provide benefit to people. I am thankful to all of you and Al-Shahbaz team and consultants organized this workshop.

Presentation by the LBG/Indus Associated Consultants

The main presentation was delivered by Dr. G. R. Keerio covering the whole project area of the left bank, explaining the objectives of consultative workshop, solutions of the identified issues and problems pertaining to drainage, flooding, environment, natural degradation and socio-economic and institutional aspects of the study. He also highlighted the pre and post – monsoon-rain flood scenario. The number of proposed interventions was presented for each aspect of problems:

Drainage	10 interventions
Flooding	8 interventions
Environment & Natural Resources	7 interventions
Socio-economic and Institutional	5 interventions

Comments/Concurrence of the stakeholders on proposed interventions

To get comments / concurrence on the proposed interventions from stakeholders, the following four groups were formed:

- Drainage group
- Flood group
- Environment and natural resources group
- Socio-economic and Institutional group

Participants were asked to join any group according to their interest. The consultant's experts facilitated each group. The stakeholders' concurrence on each intervention and alternate intervention proposed by the stakeholders were received on designed format developed by consultants. The participants of each group selected a group leader who presented the findings of their group in a session after the group work in the workshop. In this way, the stakeholders were given the maximum chance of endorsing and rejecting the pre-feasibilities prepared against the key identified issues. They were also given the chance to suggest alternative and additional structural and non-structural solution.

Closing remarks by SIDA representative

Mr. Nazir Memon GM from SIDA concluded the workshop through his closing remarks. He said that workshop proceeding was very good and brought good results: 'One: I am very happy to see the active participation of participants in the workshop. And plans are being made but if we do not implement the things practically, then making plans will be useless. All four groups actively participated and shared good things that we always think only educated people can share, but this was wrong. All local experienced people like you can share such ideas. The ideas you share here are very useful because indigenous people have capacity to share from their experience that educated persons cannot. If we go 200 or 300 years back, then there was no technology or degree to stop natural disasters. It was community at that time that they were facing disasters through indigenous strategies. As population grows, it has shown effects on society and environment and people worked together to reduce side effects of progress and to provide welfare to society. Like this, we have to work for welfare like preparing canals, dams and strengthening of bunds and simultaneously people get benefit and get rid of the side effects of that projects and this is called policy and planning.

One participant suggested strengthening existing bunds instead of making new; this can be discussed if we will think and sit together. Big cyclones come, we can control by working together and this would be a disaster management. We should encourage each other's ideas on how to face floods and work together. Its natural process we can control its affects. We can make such plans and strategies to reduce the effects of floods and natural disasters. We



should bring forward and in front of people and civil society, FOs and local people for facing these situations.

If SIDA alone or Nazeer Memon organized such workshops, then it would not achieve good results as local organization, Al-Shahbaz Development Organization, civil society and farmer organizations, help in organizing such good workshop. Local NGO's help in this regard can attract good participation.

One is the local science or local knowledge through which we predict natural disasters like we predict from walking of an ox or old local people predict from singing of birds. Other is that we got knowledge from books and observation on how disasters come and how it was controlled; that is being shared by team of our consultants.

Breach in canal can be controlled immediately by technology. But, if there is a breach, then we cannot stop immediately because we don't have such fast technology. Only SIDA can take steps if you people work collectively with us in one team as in this flood, local people worked together. We want to establish Disaster Management Unit (DMU) in SIDA so that such challenges can be faced. We tried hard to put flood water out and to work collectively with people in one team. If you people will cooperate with us. As there is saying in Sindhi: 2 make 12 (Means if two people will work together then they can show the strength of twelve people).

Some things happen suddenly which is out of capacity of people like in this disaster. How to improve and face challenges we are open to listen criticism. We can build a system with your cooperation as organizing such workshop by SIDA. We all are one team, we are consultants and we should work together in one team.

Vote of Thanks

Dr. M. S. Soomro thanked all the participants who have come from far areas to attend the workshop and provided their input and concurrence on the proposed interventions during group work in the workshop. He also thanked Mr. Nazeer Memon and his team for presenting SIDA with their participation.



REGIONAL PLAN PHASE II – SOLUTIONS DRAINAGE

District: _____ **Tando Muhammad Khan** **Venue:** _____ **District Hall** _____ **Date:** _____ **22-11-2011** _____

Sr. #	Intervention proposed by the stakeholders	Ranking by the stakeholders	Concurrence by the stakeholders	In case of disagreement additional/alternative intervention suggested by the stakeholders	Reasons for rejection of the proposed solution	Group leader signature
1.	Rehabilitation of spinal drain and KPOD	1	Yes			Kamal Khan Noonari
2.	Remodeling of DPOD to 4000 cfs	1	Yes			
3.	Construction of flap gate on KPOD to manage the LBOD drainage and sea water intrusion	2	Yes			
4.	Rehabilitation of SCARP Tubewells	2	Yes			
5.	Remodeling of Nawabshah, Sanghar, Mirpurkhas components and rehabilitation of Badin area drainage	1	Yes			
6.	Transition of SCARP fresh water tubewells	1	Yes			
7.	Identification of best method for solving water logging and salinity	2	Yes	Share of Government will be 25% each		
8.	Analyze and prepare strategy for Govt of Sindh to check disposal SCARP-VI project	1	Yes			
9.	Revival of Natural Water Ways to drain out Storm water from areas without drainage infrastructure	1	Yes			
10	Rehabilitation of Kotri Surface Drainage System (To be Farmed Out)	1	Yes			



1. It is the major demand of drainage group to remodel Drain 5 R Tando Muhammad Khan so that it can carryout the drainage and storm water with out any problem. Also it can carry the drainage effluent of city.
2. It is demand of drainage group to remodel Drain 2-L Tando Muhammad Khan.
3. Most of water courses cross over the drains the arrangement should be made to cross the water courses through SYPHON system.
4. Settlements along the drains may be shifted so that water ways could be cleared.
5. Proper construction of Bridges over the drains.
6. The Left over areas should be brought under scheme of drainage system
7. Re-habilitation of drainage 1-L 4-L Tando Muhammad Khan.
8. The Sandy portions of Canals should be lined so that seepage effect could be checked.
9. Along canals drainage paths plantation may be made.



Phase –II District Stakeholder Workshop

Drainage Group Members

Date: 22/11/2011

District: Tando Muhammad Khan

S. No	Name	Destination	Contact
1	Mr. Kamal Khan Noonari (Group Leader)	Chairman FO Pandhi Wah	0333-2664410
2	Mr. Muhammad Anwar Khaskheli	Chairman FO Ali Bahar	0300-3057335
3	Mr. Fareed Laghari	Land Lord	0333-318489
4	Mr. Haji	-	0344-3536519
5	Mr. Ali Bhukhash Rind	-	031-33172282
6	Mr. Sayed. Ali Muhammad Shah		0333-2669977

Facilitator:

Anwar Ali Baloch (Land Use Planner)
LBG/ Indus Consultants
Wah)

Group Leader

Kamal khan Noonari
Chairman FO (Pandhi



REGIONAL PLAN PHASE II – SOLUTIONS

FLOODING

District: Tando Muhammad Khan **Venue:** District Hall **Date:** 22-11-2011

Sr. #	Intervention proposed by the stakeholders	Ranking by the stakeholders	Concurrence by the stakeholders	In case of disagreement additional/alternative intervention suggested by the stakeholders	Reasons for rejection of the proposed solution	Group leader signature
1.	Diversion of storm water from LBOD to Thar area	3	Ok			Qurban Ali
2.	Construction of 1 Km long bund from Tidal Link.		Ok			
3.	Plantation of mangroves belts along Tidal link	2	Ok			
4.	Construction of channel from KPOD side for water diversion to wetlands	4	Ok			
5.	Construction of spillway to release water from wetlands	4	Ok			
6	Second line of defence for Indus bunds from Hyderabad to Thatta - Sujawal bridge	-	Not ok	Original bund may be rehabilitated	Lot of areas will be flooded ¹ / _c Agriculture lands	
7.	Construction of elevated platforms to protect	1	Ok good scheme			



	people and livestock					
8.	Construction of earthen embankments to protect villages from sea intrusion/ tidal effects in coastal area	5	Ok			
Additional comments: 1. The drains should be rehabilitated so that they may not create flooding during disaster. 2. Dhandh near Kolab Farm named “Kolab Dhandh” may be used as alternate for disaster water. 3. Phito dhandh may be rehabilitated 4. Ladha dhandh may be rehabilitated						



Phase –II District Stakeholder Workshop

Members of Flood Group

Date: 22/11/2011

District: Tando Muhammad Khan

S. No	Name	Destination	Contact
1	Mr. Qurban Ali (Group Leader)	SAHARA NGO	
2	Mr. Pethan Malha	Farmer	
3	Mr. Anwar	Farmer	
4	Mr. Mohammad Saleem	Farmer	
5	Mr. Ali Hassan	Farmer	
6	Mr. Shofi Halepoto	Land Lord	
7	Ms. Naseem	Farmer	
8	Mr. Khadim Hussain Mirbahar	Farmer	03443579288
9	Mr. Abdul Qayoom Mangsi	Farmer	0300-3796739
10	Mr. Anwar Mallah	Farmer	
11	Mr. Allha Dino Jat	Cane Officer Faran Sugur Mills	
12	Mr. Maharam Detho	Land Lord	

Facilitator:

Dr. G.R Keerio
LBG/ Indus Consultants

Group Leader:

Qurban Ali
Rep: of SAHARA NGO



REGIONAL PLAN PHASE II – SOLUTIONS

DEGRADATION OF ENVIRONMENT AND NATURAL RESOURCES

District: Tando Muhammad Khan **Venue:** District Hall **Date:** 22-11-2011

Sr. #	Intervention proposed by the stakeholders	Ranking by the stakeholders	Concurrence by the stakeholders	In case of disagreement additional/alternative intervention suggested by the stakeholders	Reasons for rejection of the proposed solution	Group leader signature
	Mangroves					
1.	Protective plantation of mangroves in coastal area	2	Yes			
	Fisheries					
2.	Shrimp and mud crab culture in coastal areas	3	Yes			
3.	Introduction of brackish water fish in LBOD system area					
	Forest	4	Yes			
4.	Conjunctive/cyclic use of drainage water for forestation in forest and farmlands					
	Water Scarcity – Land Degradation	1	Yes			
5.	Promotion of bio saline agriculture for raising salt resistant crops and trees in Kotri Drainage Basin	5	Yes			
6.	Rehabilitation of Coastal Dhand System	6	Yes			
7	Rehabilitation of selected Inland Wetland Complexes		Yes			



Additional comments:

- Within the TMK District and especially in town there is scarcity of drinking water. There is strong need of arrangement for providing the portable drinking water.
- A dhand named kolab covering around three hundred acres is famous for fish production and its product is being sold in all over the district TMK and Badin. Especially Dhangri, specie of this fish is the main product of this lake. There fore lake may be visited by consultants taken up for development. The dhand has birds and reed grass. It is a best picnic point if properly managed.
- A plant known as Bio-diesel tree, which produces the oil. The plantation of such trees may be promoted so the oil production should be increase & can meet the demand of whole country.
- Sugar mill effluent should not be drained out into canals and drainage system, because it contains highly toxic material which are injurious to our health.
- The two family parks well developed for recreation are now over locked by the authorities. Hence attention should be given by concerned agencies to develop it again in the same position.



Phase –II District Stakeholder Workshop

Members of Environment Group

Date: 22/11/2011

District: Tando Muhammad Khan

S. No	Name
1.	Ms. Samina Khaskheli (Group Leader
2.	Mr. Sher Mohammad
3.	Mr. Arbab Ali
4.	Mr. Abdul Waheed Memon
5.	Mr. Hizbullah Mangrio
6.	Mr. Pervez Ahmd Bhanban
7.	Mr. Ahmed Noonari

Facilitator:

Dr. Mohammad Saleh Soomro

Group leader:

Ms. Samina Khaskheli



REGIONAL PLAN PHASE II – SOLUTIONS SOCIO-ECONOMIC AND INSTITUTIONAL

District: Tando Muhammad Khan **Venue:** District Hall **Date:** 22-11-2011

Sr. #	Intervention proposed by the stakeholders	Ranking by the stakeholders	Concurrence by the stakeholders	In case of disagreement additional/alternative intervention suggested by the stakeholders	Reasons for rejection of the proposed solution	Group leader signature
1.	Disaster Crisis Management Unit in SIDA	4	yes			
2.	Preventive maintenance program for SIDA within canal commands of AWBs	2	yes			
3.	Establishment of drinking water – water treatment plants/units by relevant agencies	1	yes			
4.	Wastewater treatment at source by concerned agencies	3	yes			
5	Gender Main Streaming in Water Management for poor and landless	5	yes			

Additional comments:

- Government has to appoint someone or any private organization to keep check and balance on the SIDA who will be responsible for relief and rehabilitation.
- Before taking any decision about particular area consultation with local stakeholders is very necessary because they know better about their area and problems of their area.
- In all water schemes influential people should not get involved in setting up priorities.
- In all over the Tando Mohammad Khan we don't have any single area where safe drinking water is available.
- Mineral water/water treatment plants should be provided to TMK which is our first priority and those types of project/schemes should not be given to the Public Health department because it is proved that they are corrupt. Few years ago they got the same project but by corruption they destroy that project and because of their corruption we could not get safe drinking water and still we are suffering. And now we don't want to give them next chance of corruption.



Phase –II District Stakeholder Workshop
Members of Socio-Economic & Institutional Group
Date: 22/11/2011
District: Tando Muhammad Khan

S. No	Name
1.	Mr. Ali Nawaz Lund
2.	Ms. Naseem
3.	Mr. Pir Ahmed Jan
4.	Mr. Zubair Ahmed
5.	Mr. Mohammad Achar gopang
6.	Mr. Abdul Haq Zaur
7.	Mr. Ghulam Nabi
8.	Dr. Kishor
9.	Mr. Noor Mohammad
10.	Mr. Nisar Ahmd
11.	Mr. Hafiz Ghulam
12.	Mr. Ali Hyder

Facilitator:
Mr. Sajjad H Larik
Ms. Zakia Mangrio

Group leader:
Mr. Ali Nawaz Lund



ANNEXURE XII:- WSIP-I PHASE –II STAKEHOLDERS WORKSHOP MIRPURKHAS & TANDO ALLAHYAR

Venue: Bisma Hall, Mirpurkhas
Date: December 03, 2011
Number of participants: 79 participants
Partner NGOs: Peace Foundation, SAWFCO, MDF, BRDS, and Goth Seengar Foundation

Arrangements:

In cooperation with SIDA and Louis Berger Inc. & Indus Associated Consultants, the District stakeholders' consultative workshop was conducted by the Consortium lead by the Management Development Centre (MDC) in Hall in Mirpurkhas on December 03, 2011. The workshop was attended by the stakeholders from Mirpurkhas and Tando Allahyar, SIDA team and the Consultants. The organization and support was assured by the partner NGO, Peace Foundation. The stakeholders (participants) were provided with the workshop agenda, project brochure, copy of the presentation, printed brochures of some of the consortium NGOs supporting in organizing the workshop, writing pads and writing material (pen and markers) etc.

The workshop was conducted in two sessions: the first session was based on the main presentation and the second session was group discussion and presentations by the group leaders. The following four groups were formed during the second session:

1. Drainage
2. Flood
3. Scio-Economic and Institutional
4. Environment

Workshop Purpose:

The main purpose of the workshop was to:

- Present solutions proposed during the consultations with communities and stakeholders in the Phase I, get alternative/additional solutions and to get stakeholders' endorsement of the proposed and prioritized solutions mainly pertaining to drainage, flooding, environment, natural resources, socio-economic and institutional issues in the left bank of Indus, delta and coastal area.

Workshop Introduction:

The workshop started on 11.00 a.m with the recitation from the Holy Quran by Mr. Mola Bakhsh Mallah. Mr. Abdul Rashed Mahar from SIDA welcomed all the participants and briefly highlighted about the background and objectives of the workshop. He narrated that the main objective workshop is to get stakeholders' opinion on the solutions worked through long process of consultation on LBOD with community since last over one year. He stressed upon the role of stakeholders in the planning process and said that mostly people criticize on development projects that these were not designed effectively. The main reason for this was that in the past, community was not consulted on mega projects such as the LBOD etc. Therefore, keeping in view these factors, we have consulted all stakeholders in phase-I of the project and finally we have reached to some solutions worked out from the community consultations. Basically, these solutions will be explained to you in detailed presentation

today and we seek your opinion either these solutions are useful, feasible or we may modify them in line with community benefits as felt appropriate by you. We are here to listen you, therefore, please watch the presentation hereafter carefully and give your feedback in group discussions.

After welcome address, Mr. Avais Ahmed Memon invited Madam Dragica Veselinovic to introduce the project. Madam Dragica in happy mood said that this is my third workshop in Mirpurkhas and I am happy that people from Mirpurkhas and Tando Allahyar take keen interest to participate in discussions/consultation on their socio-economic issues. Briefly highlighting on the progress of community consultations, Madam Dragica said that Louis Berger Inc. & Indus Associated Consultants have done around 30 workshops since last one year and visited many villages for consultation on problems related to LBOD in the first phase of Sindh Water Sector Improvement Project (WSIP-I). She also stated that the team consulted over 8000 people on different issues related to the project. The first phase was for identification of issues and problems through consultation with community. Mostly people doubt on transparency, genuineness and smooth working of the project and raise objections accordingly on project planning and implementation. The government of Sindh gave this project to SIDA and SIDA involved Louis Berger Inc. & Indus Associated Consultants for identification of issues and solutions.

Concluding her introduction to the project, Madam Dragica said that through a long process of consultation with stakeholders, we have reached on certain solutions. Today we are here to get your opinion on these solutions. You will be shown a detailed presentation with problems identified and their solutions. You will then be divided into 4 different groups and we will like your active participation in group discussions. You can point out any objection or may suggest a new solution on any problem. We are here to listen you only.

Main Presentation

The main presentation was delivered by Mr. Gopal Das Malhi covering the whole project area of the left bank, explaining the objectives of consultative workshop, solutions of the identified issues and problems pertaining to drainage, flooding, environment, natural degradation and socio-economic and institutional aspects of the study. Before proceeding to detail on proposed interventions, Mr. Gopal Das invited the participants for any question or clarification on the presentation.

Mr. Yar Muhammed Baloch, FO Chairman from UC Jhiloori started his question with the objection that there should be translation of the introductory speech done by Madam Dragica as many don't know English. Moreover, he was quite angry while asking his question and said that LBOD system is a total failure and all these discussions are fruitless because nothing will be done after consultation. Highlighting on problems of drainage in recent floods, he said that our area needs at least four small branches of main sim nala but unfortunately we have none. While replying his question, Dr. G.R Keerio explained in more details about the Sind Water Sector Improvement Project (WSIP). Dr. G.R Keerio said that in Phase-II of the project, we have conducted 11 workshops so far and still more to be done in other districts to conclude community consultation process. In phase-I we got problems notified by the stakeholders and we have come up with some solutions based on consultations with community and we are here today to seek your opinion on these solutions. Based on these consultations, in phase-III of the project, we will make plan highlighting on each aspect of the project with maps and details etc.

However, Mr. Yar Muhammed Baloch was still angry and criticizing on overall performance of development projects. Looking at the situation, Mr. Abdul Rasheed Mahar intervened and explained that we are here to listen you and your opinion but it is better you raise any objection on the solution and past performance in the group discussion to make your point relevant to solutions presented in group discussions. Madam Dragica further explained that during the consultations process we met with around 8,000 people and we have also seen some angry people like here, so we can understand your anger well. But the point is that it is always easy to criticize, but when we ask for solutions, no one comes up with solutions. She suggested that we better start our discussion in groups, because if we keep discussing like this, then we will not be able to complete this in years to come. Another participant, Mr. Mola Bakhsh Mallah raised objection that why issues related to Chotiari have not been added in the presentation. Dr. G.R Keerio translated the point of Madam Dragica in Sindhi for the participants and then requested participants to remain cool and calm and he started delivering detailed presentation with maps and charts covering post –monsoon-rain flood scenario. Dr. G.R Keerio explained each and important point of the presentation. After completing presentation on background of problems, Dr. G.R Keerio explained proposed interventions in details so the participants can give their effective opinions in group discussions. The number of proposed interventions was presented for each aspect of problems:

Drainage	10 interventions
Flooding	8 interventions
Environment & Natural Resources	7 interventions
Socio-economic and Institutional	5 interventions

Comments/Concurrence of the stakeholders on proposed interventions

Mr. Gopal Das gave overview of the proposed interventions and requested all participants to give their opinion in group discussion. All participants were divided into following four groups:

- Drainage group
- Flood group
- Environment and natural resources group
- Socio-economic and Institutional group

Participants were asked to join any group according to their interest. The consultant's experts facilitated each group. The stakeholders' concurrence on each intervention and alternate intervention proposed by the stakeholders were received on designed format developed by the consultants. The participants of each group selected a group leader who presented the findings of their group in a session after the group work in the workshop. In this way, the stakeholders were given the maximum chance of endorsing and rejecting the pre-feasibilities prepared against the key identified issues. They were also given the chance to suggest alternative and additional structural and non-structural solution.

Closing remarks by Dr. G.R Keerio

In his closing remarks Dr. G.R Keerio thanked all participants for their participation in the workshop and said that the workshop proceedings were very much fruitful and participants gave their invaluable feedback/comments in group discussion. We organized this workshop to get opinion of the stakeholders to get their opinion on the solutions worked out by the Louis Berger (LBG) & Indus Associated Consultants Inc. through consultations with community in phase-I of the project. Dr. G.R Keerio also said that the most important point

appeared from the group leaders' presentations that most of them agreed with the interventions suggested by us. The point of difference was in priority / ranking of execution of these interventions. He said that this is the reason; I was stressing participants to remain cool and calm while main presentation. Because we know when participants get involved in group discussions, they feel that most of their raised objections and issues are already listed in the list of interventions and they give their ranking on priority of implementation of those interventions.

Appreciation Address by Madam Shamim Aara Panhwar, MPA, Sindh Assembly

The facilitator Avais Ahmed Memon thanked to Madam Shamim Aara Panhwar, MPA, Sindh Assembly for sparing from her precious time and attending the workshop and invited her to express her views on workshop and solutions. Madam Shamim Aara thanked the team of LBG for coming to Mirpurkhas for community consultation on the important issue of LBOD project. She said that we needed this type of consultation because Mirpurkhas was severely affected in recent floods. I am also happy to see two flood affected females sitting in the workshop as this shows their commitment to social issues.

Madam Shamim Aara said that in addition to heavy rains, LBOD has also created many problems as it overflowed on many places and flooded many villages. Therefore, such mega projects should always be designed keeping in view long terms losses and benefits. Because the overall performance of LBOD proves that it was not designed properly and community was also not taken into confidence while designing its routes and flows. This is our country and province, therefore, anything we do, it should be properly planned and executed correctly. Due to heavy rain flood, around 99% of crops were destroyed and if the LBOD project would have been designed properly, it would have helped draining water. She gave some examples that Jhudo, Kot Ghulam Muhammed, Mirpurkhas, and some other areas were directly affected by the overflow of water from LBOD main or sub branches. Pointing out some the causes of LBOD failure, she said that de-silting has not been done; hence, the LBOD has become a major problem in recent floods. She suggested that the team of LBG consults with highly qualified professionals to prepare fool proof master plan.

She also gave some detail on role of President of Pakistan Asif Ali Zardari on situation after floods. The president used to ask on regular basis about the flood losses and relief efforts. He is very serious on addressing problems of poor and many projects are in pipeline and will be in implementation phase soon. At the end of her address, Madam Shamim Aara Panhwar thanked again to SIDA, LBG and the Consortium for organizing this workshop and it shows that they give priority to our issues and same will be resolved soon.

Question & Answer

Ms Mehrunisa Memon, Assistant Professor, Sind Agriculture University, Tando Jam while asking the questions said that unfortunately she could not come early and she missed the main presentation. However, I am bit confused that on the one side we say we have limited water resources and on the other hand, we say that we have floods. My question is that - did you think to store the flood water while making plan on water sector improvement?

Dr. G.R Keerio replied this aspect has been covered water in detail in the presentation and given many solutions to store floodwater. . However, the copy of the presentation is available. .



Vote of Thanks

Mr. Avais Ahmed Memon thanked all participants for their time and cooperation in daylong proceedings of the workshop and invited all participants for lunch.



REGIONAL PLAN PHASE II – SOLUTIONS

DRAINAGE

District: Mirpurkhas and Tando Allahyar Venue: Bisma Restaurant Mirpurkhas

Date: 03-12-2011

Sr. #	Intervention proposed by the stakeholders اسٽيڪ هولڊرن طرفان تجويز ڪيل مداخلتون	Ranking by the stakeholders اسٽيڪ هولڊرن طرفان تجويز ڪيل درجابندي	Concurrence by the stakeholders اسٽيڪ هولڊرن جي طرفان ڏنل تجاويز	In case of disagreement additional/alternative intervention suggested by the stakeholders اتفاقي راءِ نه ٿيڻ جي صورت ۾ / اسٽيڪ هولڊرن جي طرفان ڏنل تجاويز	Reasons for rejection of the proposed solution تجاويز ڪيل حل جي خارج ٿيڻ لاءِ اسباب	Group leader signature
1.	Rehabilitation of spinal drain and KPOD ۽ وڏي سم نالي جي بحالي	1	We have kept this on number one because this is backbone.			Yar Muhammad Baloch
2.	Remodeling of DPOD to 4000 cfs 4000 cfs تائين جي نئين سر تياري	4	You suggest from 2000 to 4000 but Nara has 20,000 cusecs. If Nara canal has 40,000 cusec water then how you will manage it, therefore, think about it.			
3.	Construction of flap gate on KPOD to manage the LBOD drainage and sea water intrusion KPOD تي فليپ دروازو تعمير ڪيو وڃي ته جيئن سم نالي ۽ سمنڊ جي پاڻي جي مداخلت کي روڪجي	5	There should be gates because these are important and you cannot do anything without them.			
4.	Rehabilitation of SCARP Tubewells SCARP ٽيوب ويلن جي نئين سر بحالي	2	We kept Tube well on number two because water is salty in this area. All existing tube well system is fail and your figures of non functional tube well are wrong. Around 95% of tube wells are not working. So get these work smooth.			
5.	Remodeling of Nawabshah, Sanghar, Mirpurkhas components and rehabilitation of Badin area drainage نوابشاہ، سانگھڙ ۽ ميرپورخاص حصن جي نئين سر تياري ۽ بدين جي علائقن جي نئين سر بحالي	3	We kept on number three because this is big thing and will need heavy budget. We know when the World Bank will say to reject you will reject our suggestions and will do at their will. Anyhow we make our suggestion			



SINDH WATER SECTOR IMPROVEMENT PHASE-I PROJECT
Preparation of Regional Plan for the Left Bank of Indus, Delta and Coastal Zone



6.	Transition of SCARP fresh water tubewells اسڪارپ جي مٺي پاڻي جي ٽيوب ويلن جي منتقلي	7	We agree on this			
7.	Identification of best method for solving water logging and salinity سم ۽ ڪلر جي مسئلي کي بهترين نموني حل ڪرڻ جو طريقو ڳولڻ	6	We agree on this			
8.	Analyze and prepare strategy for Govt of Sindh to check disposal SCARP-VI project اسڪارپ 6 جي پروجيڪٽ جي جاچ & گورنمينٽ لاءِ لائحہ عمل تيار ڪرڻ ۽ جائزو وٺڻ.	8	We agree on this			
Additional comments:						



Phase –II District Stakeholder Workshop

Drainage Group Members

Date: 03/12/2011

District: Mirpurkhas – Tando Allahyar

S. No	Name	Destination
1.	Yar Muhammad Baloch	Farmer (Group Leader)
2.	Choudhari Maqbool Ahmed	Farmer
3.	Rais Mahar Ali Lashari	Farmer (Leader)
4.	Guhram Baloach	
5.	Shams-u-din Panhwar	Agriculture Department
6.	Junaid Mirza	Social Welfare Department
7.	Abdul Khalique Jarwar	N.G.O
8.	Murad Ali Lashari	Agriculture Department
9.	Faiz Muhammad Mangrio	
10.	Taj Muhammad Baloach	Social Worker
11.	Hussain Bux Rustamani	

Facilitator:

Avais Ahmed Memon
MDC
Jhiloori)

Group Leader

Yar Muhammed Baloch
Chairman FO (UC



REGIONAL PLAN PHASE II – SOLUTIONS

FLOODING

District: Mirpurkhas and Tando Allahyar Venue: Bisma Restaurant Mirpurkhas

Date: 03-12-2011

Sr. #	Intervention proposed by the stakeholders اسٽيڪ هولڊرن طرفان تجويز ڪيل مداخلتون	Ranking by the stakeholders اسٽيڪ هولڊرن طرفان تجويز ڪيل درجابندي	Concurrence by the stakeholders اسٽيڪ هولڊرن جي طرفان ڏنل تجاويز	In case of disagreement additional/alternative intervention suggested by the stakeholders اتفاقي راءِ نه ٿيڻ جي صورت ۾ / اسٽيڪ هولڊرن جي طرفان ڏنل تجاويز	Reasons for rejection of the proposed solution تجاويز ڪيل حل جي خارج ٿيڻ لاءِ اسباب	Group leader signature
1.	Diversion of storm water from LBOD to Thar area برساتي پاڻي کي LBOD کان ٿر واري علائقي ڏانهن موڙڻ	7	It is possible to take water in desert but this project will cost too much so we kept this on rank 7			Sikandar Ali Khan
2.	Construction of 1 Km long bund from Tidal Link. ٽائيڊل لنڪ کان 1 ڪلوميٽر ڊگهو بند تعمير ڪرڻ	5	It was before but damaged should be restored			
3.	Plantation of mangroves belts along Tidal link سامونڊي طرف ٽمر جي وڻن جي وڻڪاري ڪرڻ	2	This is also important aspect and should be kept on 2 nd priority			
4.	Construction of channel from KPOD side for water diversion to wetlands پاڻي کي Wetlands ڏانهن موڙڻ لاءِ KPOD طرف چينل تعمير ڪرڻ	6	We agree on this ranking 6			
5.	Construction of spillway to release water from wetlands تلاءُ / ڍنڍن جي طرف کان پاڻي ڇڏڻ لاءِ اسپل وي تعمير ڪرڻ	4	This will increase employment			
6.	Diversion of flood water upstream Sukkur Barrage	1	We kept it on one because water drain is important that water coming from Sukkur should be drained in Thar.			
7.	Second line of defence for Indus bunds from Hyderabad to Thatta - Sujawal bridge	3	We also recommend 2 nd bund			



	سنڌو دريا جي ٻنڌن جي بچاء لاءِ					
8.	Construction of raised platforms to protect people and livestock ماڻهن ۽ جانورن جي حفاظت لاءِ اوچائي وري زمين تي تعميرات ڪرائڻ	8	We agree and on same ranking			
9.	Construction of earthen embankments to protect villages from sea intrusion/ tidal effects in coastal area سامونڊي علائقن جي ڳوٺن جي حفاظت لاءِ مٽيء جا بند تعمير ڪرايا وڃن ته جيئن سامونڊي اثرات کان بچي سگهجي.	9	We agree and on same ranking			
Additional comments:						



Phase –II District Stakeholder Workshop

Members of Flood Group

Date: 03/12/2011

District: Mirpurkhas – Tando Allahyar

Flood Group

S. No	Name	Destination
1	Eng: Sikandar Ali Khan - Group Leader	
2	Eng: A saatar pirzada	
3	Farzana	
4	Iqra	
5	Sana	
6	Quratulain	
7	Gulshan	
8	A.Aleem zanger	
9	Parveen Aleem	
10	Sema Notkani	

Facilitator:

Dr. G.R Keerio

LBG/ Indus Consultants

Group Leader:

Sikandar Ali Khan

Rep: TMA Jhudo



REGIONAL PLAN PHASE II – SOLUTIONS

DEGRADATION OF ENVIRONMENT AND NATURAL RESOURCES

District: Mirpurkhas and Tando Allahyar Venue: Bisma Restaurant Mirpurkhas

Date: 03-12-2011

Sr. #	Intervention proposed by the stakeholders اسٽيڪ هولڊرن طرفان تجويز ڪيل مداخلتون	Ranking by the stakeholders اسٽيڪ هولڊرن طرفان تجويز ڪيل درجابندي	Concurrence by the stakeholders اسٽيڪ هولڊرن جي طرفان ڏنل تجاويز	In case of disagreement additional/alternative intervention suggested by the stakeholders اتفاقي راءِ نه ٿيڻ جي صورت ۾ / اسٽيڪ هولڊرن جي طرفان ڏنل تجاويز	Reasons for rejection of the proposed solution تجاويز ڪيل حل جي خارج ٿيڻ لاءِ اسباب	Group leader signature
	Mangroves ٽمر جا وڻ					Mola Bakhsh Mallah
1.	Protective plantation of mangroves in coastal area سامونڊي علائقن ۾ ٽمر جي وڻن جي حفاظتي / محفوظ وڻڪاري	1	Yes* Please read below on signs			
	Fisheries ماهيگيري					
2.	Shrimp and mud crab culture in coastal areas ڪيڪڙن ۽ ساني جي ڪلچر ڪي ساحلي علائقن ۾ برقرار رکڻ	4	Yes +			
3.	Introduction of brackish water fish in LBOD system area ڪاري پاڻي جي مڇي جو تعارف سم نالو سسٽم ۾	5	Yes +			
	Forest جنگلات					
4.	Conjunctive/cyclic use of drainage water for forestation in forest and farmlands گندي پاڻي کي جنگلات ۽ زمين جي آبادي لاءِ قابل استعمال بڻائڻ	3	Yes x			
	Water Scarcity – Land Degradation گهٽ پيداوار واري زمين - پاڻي جي کوٽ					
5.	Promotion of bio saline agriculture for raising salt resistant crops and trees in Kotri Drainage Basin ڪوٽڙي جي علائقي ۾ اهڙا وڻ ۽ فصلن جي پوک	2	Yes			



	ڪرڻ جيڪي لوڻيائي زمين ۾ پيداوار ڏئي سگهن					
6.	Revival of Wetlands ڀنڀن / تالانن جو وري قابل استعمال	2	Yes			
<p>Additional comments:</p> <ul style="list-style-type: none"> * Agreed on the condition that it is close to delta * Variety of mangroves should be selected on the basic of environmental condition + There Should be Filtration plants and biological treatment through constructed wetlands x Low water consumption crops should be planted x Reading of domestic (gray water) water x and its application in agriculture should be introduced 						



Phase –II District Stakeholder Workshop

Members of Environment Group

Date: 03.12.2011

District: Mirpurkhas and Tando Allahyar

S#	Name	Organization	Designation	Signature
1	Mola Bux Mallah	Group Leader (WWF)	CDO	
2	Dr. Mehrunisa Memon	SAU, Tandojam	Assistant Professor	
3	Manoj Kumar	Forest Department	D.D.O (Forest)	
4	Dr. Rasheed Kunbher	Forest Department	D.D.O (Forest)	
5	Mujahid Qureshi	ICSS	President	
6	Muhammad Nawaz Kumbhar	Daily Kawish	Journalist	

Facilitator:

Sajjad Larik, LBG

Abdul Qadir Arbab, Co Facilitator, MDC

Group leader:

Mola Bkhash Mallah

WWF - Pakistan



REGIONAL PLAN PHASE II – SOLUTIONS SOCIO-ECONOMIC AND INSTITUTIONAL

District: Mirpurkhas and Tando Allahyar **Venue:** Bisma hotel **Date:** 03.12.2011

Sr. #	Intervention proposed by the stakeholders اسٽيڪ هولڊرن طرفان تجويز ڪيل مداخلتون	Ranking by the stakeholders اسٽيڪ هولڊرن طرفان تجويز ڪيل درجابندي	Concurrence by the stakeholders اسٽيڪ هولڊرن جي طرفان ڏنل تجاويز	In case of disagreement additional/alternative intervention suggested by the stakeholders اتفاقي راءِ نه ٿيڻ جي صورت ۾ / اسٽيڪ هولڊرن جي طرفان ڏنل تجاويز	Reasons for rejection of the proposed solution تجاويز ڪيل حل جي خارج ٿيڻ لاءِ اسباب	Group leader signature
1.	Disaster Crisis Management Unit in SIDA سيڊا ۾ ڊزاسٽر ڪرائسز مئنيجمينٽ يونٽ قائم ڪرڻ		No	SIDA fourad , Corruption, politics MD Side 5 Cror	No Result Founded Politics under irrigation deps corruption	Noor Ahmed Narejo
2.	Preventive maintenance program for SIDA within canal commands of AWBs پروپينٽو مينٽيننس پروگرام فار سيڊا ۽ AWBs جي انتظام هيٺ ڪنٽال لاءِ		No	Corruption, politics	No reliability credibility No political involvement	
3.	Establishment of drinking water – water treatment plants/units by relevant agencies لاڳاپيل ايجنسين جي طرفان پيئڻ جي پاڻي ۽ پاڻي کي صاف ڪرڻ جا يونٽ يا پلانٽ لڳائڻ	1	Yes		Disea can be prevented No Corruption community	
4.	Wastewater treatment at source by concerned agencies لاڳاپيل ايجنسين جي طرفان گڙهي پاڻي کي استعمال لائق بڻائڻ جو ذريعو پيدا ڪرڻ.	2	Yes		Involvement Government & Community involvement	
Additional comments:						



Phase –II District Stakeholder Workshop
Members of Socio-Economic & Institutional Group

Date: 03/12/2011

District: Mirpurkhas – Tando Allahyar

S#	Name	Organization	Designation	Signature
1	Ali Muhammad	Shah Latif	Accountant	
2	Sajjad Ali Lodho			
3	Nazar Ali	Land Lord		
4	Muhammad solangi	Land Lord		
5	Muhammad Ashraf Shah	Land Lord	Farmer	
6	Mst, Mageema	Sawa Pak	Farmer	
7	Seeta	Sawa Pak	House Lady	
8	Seeta	Sawa Pak	House Lady	
9	Verjo	Sawa Pak	House Lady	
10	Afshan	Peace	House Lady	
11	Murtaza Narego	CAUSE , ARTS Tradition	Social Worker	
12	Imtiaz Ali	N.S.S.S.	Social Worker	
13	Ali Gohar Kazmi	CRS	Project Officer	
14	Wali Mohammad	Goth Seengar Foundation	Chairman	
15	Abdul Hameed	TRDP	Member	
16	Sikiladho Rahiman	F.T.K	Chairman	
17	Asghar Narejo	CAUSE	President	
18	Noor Ahmed Narejo	CAUSE	G. Secretary/ Group Leader	

Facilitator:

Zakia Mangrio, LBG
Noushaba, Co Facilitator, MDC

Group leader:

Noor Ahmed Narejo
CAUSE

ANNEXURE XIII:- WSIP-I PHASE –II STAKEHOLDERS WORKSHOP SUKKUR & GHOTKI

Venue: Inter Park Inn Hotel, Sukkur
Date: December 13, 2011
Number of participants: 83 participants
Partner NGOs: Magnet Sindh, SAWFCO, MDF, BRDS, and Goth Seengar Foundation

Arrangements:

In cooperation with SIDA and Louis Berger Inc. (LBG) & Indus Associated Consultants, the District stakeholders' consultative workshop was conducted by the Consortium lead by the Management Development Centre (MDC) in Park Inn Hotel hall in Sukkur on December 13, 2011. The workshop was attended by the stakeholders from Ghotki, Khairpur and Sukkur districts, SIDA team and the Consultants. The organization and support was assured by the partner NGO Magnet, Sindh. The stakeholders (participants) were provided with the workshop agenda, project brochure, copy of the presentation, printed brochures of some of the consortium NGOs supporting in organizing the workshop, writing pads and writing material (pen and markers) etc.

The workshop was conducted in two sessions: the first session was based on the main presentation and the second session was group discussion and presentations by the group leaders. The following four groups were formed during the second session:

5. Drainage
6. Flood
7. Scio-Economic and Institutional
8. Environment

Workshop Purpose:

The main purpose of the workshop was to:

- Present solutions proposed during the consultations with communities and stakeholders in the Phase I, get alternative/additional solutions and to get stakeholders' endorsement of the proposed and prioritized solutions mainly pertaining to drainage, flooding, environment, natural resources, socio-economic and institutional issues in the left bank of Indus, delta and coastal area.

Workshop Introduction:

The workshop started on 10.45 a.m with the recitation from the Holy Quran by Mr. Mola Bakhsh Mallah. Mr. Jaram, from SIDA welcomed all the participants and highlighted briefly about four phases of Sind Water Sector Improvement Project (WSIP). He informed to the participants that:

- In phase-I, the LBG team has completed basic data collection and identification of issues and problems;
- In phase-II, solutions of the identified problems have been worked out. Today we are sitting together to discuss on these solutions and ratify them;
- In phase-III, the LBG team will prepare pre-feasibility study; and
- In phase-IV, master plan of the project implementation will be prepared by the LBG team with maps and drawings of the project.

After brief overview of the WSIP project, Mr. Jaram requested all participants to participate effectively in the workshop and share their valuable suggestions for any improvement in the suggested solutions and interventions by the consultants.

Remarks on Ghotki Area Water Board (AWB) by Mr. Anwar Ali Siyal, Director AWB

Mr. Anwar Ali Siyal thanked all the participants and hoped that from today's discussions, we will reach on good solutions that will not only help this area but also benefit the whole country. He informed that Ghotki Area Water Board (AWB) was inaugurated in 2007 and it has mainly two Divisions i.e. Drainage division and Tube wells Division. We started working soon after inauguration of Ghotki AWB for the formation of Farmer's Organizations (FO) and around 70% area has been covered by making FOs. Keeping in view the importance of the workshop, he also suggested that a similar workshop should also be done at Ghotki so that more stakeholders can participate and share their suggestions. He told that there are around 1,092 tube wells in Ghotki AWB out of which 1,080 installed by WAPDA and 12 by Sindh Government. Giving more detail he also informed to the participants that five drains i.e. Karo Naro drain and four pumping stations are operational on the Ghotki Feeder canal. However, these are working to solve our drainage issues but still we are facing some problems and I am happy to say that LBG consultants are working on sorting out these problems. Therefore, I will again say that today's workshop is important for whole left bank of Indus River and this area as well and it needs our active participation in the programme.

Anwar Ali Siyal also pointed out the serious problem of poisonous industrial drained water of SCARP VI project coming from Punjab province. He suggested that LBG should conduct a research study on the losses of SCARP VI project and suggest remedial measure to save the eco system and agriculture of this area. He also attracted attention of LBG towards problem of water logging and salinity in other areas such as Obaro and Dharki and suggested to organize workshops there as well to get feedback from the local stakeholders of the area.

Remarks of Pervaiz Banbhan, SIDA

The facilitator then invited to Mr. Pervaiz Banbhan from SIDA to briefly highlight on Regional Master Plan of SIDA. Mr. Pervaiz thanked all participants and especially to those who came from distanced areas as this shows interest and importance given to the development issues. He informed to the participants that we have invited all stakeholders including members of national and provincial assemblies of the area and some of them also promised to attend but due to urgent meetings they could not come today. However, they appreciated the efforts of SIDA on resolving issues related to drainage etc. He said that as the participants know that LBOD covers entire left bank area of River Indus from Ghotki to Thatta district, hence, we will focus on issues and solution with reference to the entire area. While explaining the regional master plan, he said that the LBG consultants have covered each important aspect of drainage, tube wells, saline water, sweet water and flood water and have come up with certain solutions and interventions to resolve related issues.

In phase-I of the project, we have consulted stakeholders in each district on left bank of river Indus and have also done workshops in our first phase in Ghotki and Sukkur districts for identification of problems. Now under phase-II of the project we will present today the solutions of the problems identified and your active participation will help us reach finalize and prioritize the proposed interventions. On completion of phase-II, we will move to third phase for preparation of regional master plan and thereafter complete feasibility study with drawings and maps in the fourth phase of the project. He said that why I am giving you this background history because to let you know how much importance is given to opinion of the stakeholders. SIDA could have done this planning in the office and then implement the

project, but most of the projects launched without local consultation in the past have failed. Therefore, SIDA hired services of Louis Berger Inc. (LBG) & Indus Associated Consultants for this task and they have done great in completing successfully first phase and the 2nd phase is about to complete soon.

Concluding his remarks, he stressed upon all participants to participate effectively in proceedings of the workshop. There are two sessions of the workshop and in the first session a detailed presentation with background, issues and problems and solutions of the problems. Please remain attentive while presentation as this will help you give feedback in the second session of group discussions.

Remarks by Mr. Abdul Rab Pitafi, Chairman Ghotki AWB

After thanking all participants the chairman said that the workshops in hotels will not provide good results unless you meet with local people at grass root level because we have attended many meetings and workshops at different places including in Islamabad and nothing was done at the end. Stressing upon the local problems, the chairman said that our main problem is industrial waste water coming from Punjab. This water has disturbed the eco system of the area and ruined agricultural lands and even birds of the areas have been killed through poisonous waste water. If this problem is not controlled, our lands will become barren.

He also informed to the participants that this region has both sweet and brackish underground water. Hence, this should be kept in mind while making any plan on resolving water logging and salinity problems. He also quoted historical example that during British rule in the sub-continent, the English rulers asked from our ancestors how to resolve issue of flood and drainage. Our ancestors suggested them to make drain canal parallel to Ghotki Feeder canal. But unfortunately it could not get materialized for some unknown reasons. However, this proves that the britishers accepted the importance of local wisdom and this was the reason, they always used to consult with local people before making any development plan. He also quoted another example that while making Guddu Barrage, the britishers survey team met with an illiterate local fisherman who suggested them about route of Guddu Barrage and it was implemented as suggested by the fisherman. This also proves the importance of local knowledge and hence, he also suggested LBG to consult local people for problems and solutions.

Remarks by Dr. G.R Keerio

After thanking all participants, Dr. G.R Keerio clarifying to the comments of the Chairman Ghotki AWB said that LBG has followed participatory approach. All those projects including LBOD which were implemented without local community consultations have failed to give desired results. Therefore, LBG team prepared a detailed plan to meet with local community. We visited more than 180 villages, conducted 31 workshops, met with representatives of more than 200 NGOs working in districts on left bank of river Indus. We also prepared printed literature for community awareness, also used electronic media by arranging specialist talk on TV and so on. This shows that LBG has done its best to reach the local people mainly to get exact opinion and solutions from the wisdom of local community/stakeholders. I am sure; with this detail you will now understand the importance of the today's workshop and will play your role with constructive suggestions on the solutions and interventions worked out by our consultants.

Main Presentation

After the tea break, the main presentation was delivered by Mr. Mola Bakash Malah. He informed to the participants that LBG team has done great and hard work in reaching to this stage. He explained each and important aspect of the project covering the whole project area of the left bank, explaining the objectives of consultative workshop, solutions of the identified issues and problems pertaining to drainage, flooding, environment, natural degradation and socio-economic and institutional aspects of the study.

After completion of the presentation, Mola Bakash Malah explained proposed interventions in details so the participants can give their effective opinions in group discussions. The number of proposed interventions was presented for each aspect of problems:

Drainage	10 interventions
Flooding	8 interventions
Environment & Natural Resources	7 interventions
Socio-economic and Institutional	5 interventions

Comments/Concurrence of the stakeholders on proposed interventions

Mr. Mola Bakash Malah gave overview of the proposed interventions and requested all participants to give their opinion in group discussion. All participants were divided into following four groups:

- Drainage group
- Flood group
- Environment and natural resources group
- Socio-economic and Institutional group

Participants were asked to join any group according to their interest. The consultant's experts facilitated each group. The stakeholders' concurrence on each intervention and alternate intervention proposed by the stakeholders were received on designed format developed by the consultants. The participants of each group selected a group leader who presented the findings of their group in a session after the group work in the workshop. In this way, the stakeholders were given the maximum chance of endorsing and rejecting the pre-feasibilities prepared against the key identified issues. They were also given the chance to suggest alternative and additional structural and non-structural solution.

Closing remarks by Dragica Veselinovic

She said that this is my 2nd time I came to Sukkur and I am happy especially to see more women in the programme. Therefore, I can say that Ghotki, Khairpur and Sukkur stakeholders' participation is gender balanced. I also see enormous energy in the participants and I believe that your suggestions will be heard. She also informed to the participants that this is not our last visit here; as we will also be coming again as still two more phases of the project have to go. She thanked all participants and prayed that I wish all the best for your prosperity.

Vote of Thanks

On behalf of consortium of 5 partner NGOs, Dr. Yameen Memon thanked all participants and especially those who came from distanced areas from Ghotki, Pano Aakil, and Khairpur. Dr. Yameen Memon also gave a brief overview of the efforts made in phase-I and II of the project. He informed that we have visited more than 180 villages and met with thousands of people. Based on their suggestions, we have reached on certain solutions and our team of consultants suggested some interventions with their priority. But I am happy to see that all



groups have participated effectively and suggested good things and have also changed the priorities of the proposed interventions. Dr. Yameen Memon also thanked to the hotel management and staff who cooperated to organize successful workshop.



REGIONAL PLAN PHASE II – SOLUTIONS

DRAINAGE

District: Sukkur - Ghotki

Venue: Hotel Inter Pak Inn, Sukkur

Date: 13-12-2011

Sr. #	Intervention proposed by the stakeholders اسٽيڪ هولڊرن طرفان تجويز ڪيل مداخلتون	Ranking by the stakeholders اسٽيڪ هولڊرن طرفان تجويز ڪيل درجابندي	Concurrence by the stakeholders اسٽيڪ هولڊرن جي طرفان ڏنل تجاويز	In case of disagreement additional/alternative intervention suggested by the stakeholders اتفاقي راءِ نه ٿيڻ جي صورت ۾ / اسٽيڪ هولڊرن جي طرفان ڏنل تجاويز	Reasons for rejection of the proposed solution تجاويز ڪيل حل جي خارج ٿيڻ لاءِ اسباب	Group leader signature
1.	Rehabilitation of spinal drain and KPOD KPOD ۽ وڏي سم نالي جي بحالي	4	Until you drain out water upto sea, you cannot revive agriculture, hence, yes, LBOD should be rehabilitated.			
2.	Remodeling of DPOD to 4000 cfs DPOD جي 4000 cfs تائين جي نئين سر تياري	5	LBOD modeling is bad. The existing water quality was more than 2000 cusecs so LBOD could not take it so it should be enhanced to 4000 cusecs.			
3.	Construction of flap gate on KPOD to manage the LBOD drainage and sea water intrusion KPOD تي فليپ دروازو تعمير ڪيو وڃي ته جيئن سم نالي ۽ سمنڊ جي پاڻي جي مداخلت کي روڪجي	6	On 14 and 15 th night of moon, the sea does not accept water as its water level increases upto 8 feet that is why LBOD drained water over flooded Badin district.			
4.	Rehabilitation of SCARP Tubewells SCARP ٽيوب ويلن جي نئين سر بحالي	3	Our existing tube wells need rehabilitation as soon as possible.			
5.	Remodeling of Nawabshah, Sanghar, Mirpurkhas components and rehabilitation of Badin area drainage نوابشاہ، سانگھڙ ۽ ميرپورخاص حصن جي نئين سر تياري ۽ بدين جي علائقن جي نئين سر بحالي	7	Yes it should be remodeled			



6.	Transition of SCARP fresh water tubewells اسڪارپ جي مٺي پاڻي جي ٽيوب ويلن جي منتقلي	8	Yes we agree for this			
7.	Identification of best method for solving water logging and salinity سم ۽ ڪلر جي مسئلي کي بهترين نموني حل ڪرڻ جو طريقو ڳولڻ	2	Government should take more action as in Punjab the land production is more as compared to our areas. Government ban on some crops like rice crop should strictly be implemented to control water logging problem.			
8.	Analyze and prepare strategy for Govt of Sindh to check disposal SCARP-VI project اسڪارپ 6 جي پروجيڪٽ جي ڇاڇ ۽ گورنمينٽ لاءِ لائحہ عمل تيار ڪرڻ ۽ جائزو وٺڻ.	1	We kept this on top priority because this is major problem of our area. The industrial poison has destroyed everything and it also evaporate which has destroyed our ground water quality.			

Additional comments:

1. Rehabilitation of Natural Dhoras
2. Use average and proper need of water to lands
3. Create awareness by agriculture department to the farmers



Phase –II District Stakeholder Workshop

Drainage Group Members

Date: 13/12/2011

District: Sukkur – Ghotki

S. No	Name	Organization	Destination
12.	Riaz Ali Khaskhlei	Farmer	Group Leader
13.	M. Achar Khaskheli	President	Safwco Sukkur
14.	Ahasan Ali Mirani	Farmer	Group Leader
15.	Zaheer Ahmed Ansari	Social Worker	BSWA Khairpur
16.	M. Mosa Khaskheli	Farmer	Pano Akil Sukkir
17.	A. Wahid Chachar	Zamindar	Village Salahi Chachar Pakil Sub Village Mual Ali
18.	Haji G. Mohammad Mahiser	Zamindar	Pano Akil Sukkur
19.	Amir Bux Dharejo	DPM-E (NCHD)	NCHD Sukkur
20.	Aftab Ahmed	MC (NCHD)	NCHD
21.	Jai Ram Motwani	G.M (Operation)	SIDA
22.	Anwar Ali Siyal	Director AWB Ghotki	SIDA
23.	Safia Baloch	Incharge WCC	Woman complaint Cell Sukkur
24.	Sardar Begum	Vice President PPP	PPP City Sukkur
25.	Razia Ataf din	General Secretary PPP	PPP City Sukkur
26.	Raheela Parven	Internee WCC	Women Complaint Cell Sukkur

Facilitator:

Dr. Hussain Khan Mari
MDC

Group Leader

Safia Baloch
Incharge, Woman complaint Cell Sukkur



REGIONAL PLAN PHASE II – SOLUTIONS

FLOODING

District: Sukkur - Ghotki

Venue: Hotel Inter Pak Inn, Sukkur

Date: 13-12-2011

Sr. #	Intervention proposed by the stakeholders اسٽيڪ هولڊرن طرفان تجويز ڪيل مداخلتون	Ranking by the stakeholders اسٽيڪ هولڊرن طرفان تجويز ڪيل درجابندي	Concurrence by the stakeholders اسٽيڪ هولڊرن جي طرفان ڏنل تجاويز	In case of disagreement additional/alternative intervention suggested by the stakeholders اتفاقي راءِ نه ٿيڻ جي صورت ۾ / اسٽيڪ هولڊرن جي طرفان ڏنل تجاويز	Reasons for rejection of the proposed solution تجاويز ڪيل حل جي خارج ٿيڻ لاءِ اسباب	Group leader signature
1.	Diversion of storm water from LBOD to Thar area برساتي پاڻي کي LBOD کان ٿرواري علائقي ڏانهن موڙڻ	2	Yes		Diversion is necessary in LBOD to flow out water otherwise it can cause distinction	
2.	Construction of 1 Km long bund from Tidal Link. ٽائيدل لنڪ کان 1 ڪلو ميٽر ڊگهو بند تعمير ڪرڻ	3	Yes			
3.	Plantation of mangroves belts along Tidal link سامونڊي طرف ٽمر جي وڻن جي وڻڪاري ڪرڻ	4	Yes			
4.	Construction of channel from KPOD side for water diversion to wetlands پاڻي کي Wetlands ڏانهن موڙڻ لاءِ KPOD طرف چينل تعمير ڪرڻ	5	Yes			
5.	Construction of spillway to release water from wetlands تلاءُ / ڀنڊن جي طرف کان پاڻي ڇڏڻ لاءِ اسپل وي تعمير ڪرڻ	6	Yes			



6.	Diversion of flood water upstream Sukkur - Ghotki Barrage	7	Yes	Diversion is necessary but before it a canal should be made to flow out water	
7.	Second line of defence for Indus bunds from Hyderabad to Thatta - Sujawal bridge سنڌو دريا جي بندن جي بچاء لاءِ	8	Yes		
8.	Construction of raised platforms to protect people and livestock ماڻهن ۽ جانورن جي حفاظت لاءِ اوچائي وري زمين تي تعميرات ڪرائڻ	1	Yes		Human life is more important so steps should be taken to save it
9.	Construction of earthen embankments to protect villages from sea intrusion/ tidal effects in coastal area سامونڊي علائقن جي ڳوٺن جي حفاظت لاءِ مٽيءَ جا بند تعمير ڪرايا وڃن ته جيئن سامونڊي اثرات کين بچي سگهجي.	9	Yes		

Additional comments:

The group leader while delivering his presentation said that we have seen natural calamities since last 2 years. It is necessary to make plans. We did not make proper plan since last 5 years after the floods of 1976. In 1976, I was working on Sukkur Barrage and water of around 15 lac cusec crossed at that time but this year, the same barrage could not afford 12 lacs cusecs of water. The group also pointed out following important issues:

1. The plants should be planted on the protective embankments of those areas which are frequently affected due to floods.
2. Areas in the premises of river are illegally occupied and embankments are made illegally in those areas, so they must be ended
3. Rivers, canals and barges must be cleaned. Amazing part and slit in the upstream of Sukkur barrage must be cleaned through reservation
4. The bridge on the River Indus is very narrow that connects Larkana and Khairpur Minus. It can cause hurdles by flowing out flood water that will create problems for the vicinities surround them
5. Flood water should be stored by making small dams so that it may used for irrigation and small fish ponds should be constructed



Phase –II District Stakeholder Workshop

Members of Flood Group

Date: 13/12/2011

District: Sukkur - Ghotki

S. No	Name	Organization	Destination
1.	Haji Kamal-u-din Jatoi	President	Abadgar Welfare Association
2.	Ali Anser Sindhu	President	NDSP
3.	Sughra Majeed	President	Khushboo Women Organization
4.	Sima	President	Muslim league Functional
5.	Manzoor samejo	President	Muslim league Functional
6.	Shaheen Ansari	President	Muslim league Functional
7.	M. Uamir	Manager	Every Nation Plant
8.	Ali Murad	Member	ASWA sukkur
9.	Zulekhan	City President	Muslim league Functional

Facilitator:

Mola Bux Malah
MDC

Group Leader

Haji Kamal Din Jatoi
President, Abaadgar Welfare Association



REGIONAL PLAN PHASE II – SOLUTIONS DEGRADATION OF ENVIRONMENT AND NATURAL RESOURCES

District: Sukkur - Ghotki

Venue: Hotel Inter Pak Inn, Sukkur

Date: 13-12-2011

Sr. #	Intervention proposed by the stakeholders اسٽيڪ هولڊرن طرفان تجويز ڪيل مداخلتون	Ranking by the stakeholders اسٽيڪ هولڊرن طرفان تجويز ڪيل درجابندي	Concurrence by the stakeholders اسٽيڪ هولڊرن جي طرفان ڏنل تجاويز	In case of disagreement additional/alternative intervention suggested by the stakeholders اتفاقي راءِ نه ٿيڻ جي صورت ۾ / اسٽيڪ هولڊرن جي طرفان ڏنل تجاويز	Reasons for rejection of the proposed solution تجاويز ڪيل حل جي خارج ٿيڻ لاءِ اسباب	Group leader signature
	Mangroves ٽمر جا وڻ					
1.	Protective plantation of mangroves in coastal area سامونڊي علائقن ۾ ٽمر جي وڻن جي حفاظتي / محفوظ وڻڪاري	2	Yes			
	Fisheries ماهيگيري					
2.	Shrimp and mud crab culture in coastal areas ڪيڪڙن ۽ ساني جي ڪلچر ڪي ساحلي علائقن ۾ برقرار رکڻ	3	Yes			
3.	Introduction of brackish water fish in LBOD system area ڪاري پاڻي جي مڇي جو تعارف سم نالو سسٽم ۾	4	Yes			
	Forest جنگلات					
4.	Conjunctive/cyclic use of drainage water for forestation in forest and farmlands گندي پاڻي کي جنگلات ۽ زمين جي آبادي لاءِ	1	Yes			



	قابل استعمال پٽائڻ					
	Water Scarcity – Land Degradation گهٽ پيداوار واري زمين - پاڻي جي کوٽ					
5.	Promotion of bio saline agriculture for raising salt resistant crops and trees in Kotri Drainage Basin ڪوٽڙي جي علائقي ۾ اهڙا وڻ ۽ فصلن جي پوک ڪرڻ جيڪي لوڻياني زمين ۾ پيداوار ڏئي سگهن	5	Yes			
6.	Revival of Wetlands ڍنڍن / تالابن جو وري قابل استعمال	6	Yes			

Additional comments:

Plantation campaign should be initiated on the embankments of canals, streets and roads so that the environment becomes wonderful and pollution decrease. In this kind of campaign local NGOs should be given opportunity to make it better and improved. They become more strong and work in the better way.



Phase –II District Stakeholder Workshop
Members of Environment Group

Date: 13/12/2011

District: Sukkur - Ghotki

S. No	Name	Organization	Destination
1.	Rehana Zaman	President	Women Development Forum
2.	Rafakau Bageum	DO PPP	
3.	Zubeda Khatoon	Member PPP	
4.	Aisha	Communication Secretary	
5.	M. Saleem Raza	President	Lab-e-mehran Dev org: Sukkur
6.	Asgar Ali	Abad Gar	Sukkur
7.	Shakeela Kanwal	Lab-e-mehran Dev org: Sukkur	
8.	Assadullah Bhutto	Agriculture Officer	Agriculture Extension
9.	Ambreen Memon	Member	Farmer Group
10.	Abdul Waheed	So	Farmer Group
11.	Mrs Zubeda Mahar		Women Right Member Development

Facilitator:

Abdul Qadir Arbab
MDC

Group Leader

Rehana Zaman
President, Women Development Forum



REGIONAL PLAN PHASE II – SOLUTIONS SOCIO-ECONOMIC AND INSTITUTIONAL

District: Sukkur - Ghotki

Venue: Hotel Inter Pak Inn, Sukkur

Date: 13-12-2011

Sr. #	Intervention proposed by the stakeholders اسٽيڪ هولڊرن طرفان تجويز ڪيل مداخلتون	Ranking by the stakeholders اسٽيڪ هولڊرن طرفان تجويز ڪيل درجابندي	Concurrence by the stakeholders اسٽيڪ هولڊرن جي طرفان ڏنل تجاوين	In case of disagreement additional/alternative intervention suggested by the stakeholders اتفاقي راءِ نه ٿيڻ جي صورت ۾ / اسٽيڪ هولڊرن جي طرفان ڏنل تجاوين	Reasons for rejection of the proposed solution تجاويز ڪيل حل جي خارج ٿيڻ لاءِ اسباب	Group leader signature
1.	Disaster Crisis Management Unit in SIDA سيڊا ۾ ڊزاسٽر ڪرائسز مئنيجمينٽ يونٽ قائم ڪرڻ	4	SIDA work only on Head level and tail growers always face shortage of water. This should be improved.			
2.	Preventive maintenance program for SIDA within canal commands of AWBs پروينٽو مينٽيننس پروگرام فار سيڊا ۽ AWBs جي انتظام هيٺ ڪئنالن لاءِ	1	If we de-silting of canals on regular basis then it will improve the situation and seepage will be controlled			
3.	Establishment of drinking water – water treatment plants/units by relevant agencies لاڳاپيل ايجنسين جي طرفان پيئڻ جي پاڻي ۽ پاڻي کي صاف ڪرڻ جا يونٽ يا پلانٽ لڳائڻ	3	Filter plants should be installed at local level as it is important. There are filter plants in different union councils but non functional. Around 4 million rupees were spent in Pano Aakil but these are not working. Therefore, I request all participants if there			



			are filter plants into their area, they should ensure that these plants are working properly.			
4.	Wastewater treatment at source by concerned agencies لاڳاپيل ايجنسين جي طرفان گندي پاڻي کي استعمال لائق بڻائڻ جو ذريعو پيدا ڪرڻ.	2	This point should be given due importance			

Additional comments:

1. Not meeting with lower class people in the community
2. To install units at proper places where we need
3. Fatima power liberty power and engro, F.F.C industries are problem.
4. The industries drain their poisonous water in sim nala
5. Water is being flowed out after proper treatment in Masoo and Dahar Canal
6. Drainage is typical problem from khan Mahar to Nara Canal
7. Not proper management
8. Arrangement of Fish farms should be made



Phase –II District Stakeholder Workshop
Members of Socio-Economic & Institutional Group

Date: 13/12/2011

District: Sukkur – Ghotki

S. No	Name	Organization	Destination
1.	Hina	Member	Hari Ithad Sukkur MAGNET
2.	Ghulam Sarwar	Member	Hari Ithad Sukkur MAGNET
3.	Haji Abdul Haleem	G. Secretary	Abadgar Sukkur
4.	Rahim Bux	G. secretary	Ali Mehran Social W.A Taluka Saleh Pat
5.	Nadeem Ahmed	Member S. worker	Abadgar S.W Sukkur
6.	Shoukat Ali	Organizer	Soch. S.W.A
7.	Ali Muhammad	Farmer	
8.	Zulfiqar Ali Shah	SIDA Member	Zamidar
9.	Abdul Rab Pitafi	AWBG Dhairman	Land Lord
10.	Asif Ahmed	Indus Valley	President
11.	Ashfaq	H. Dev Society	magnet
12.	Afshan Khanum	Program Co	Magnet

Facilitator:

Zakia Mangrio
LBG

Group Leader

Ashfaq Ahmed
President, Indus Valley



ANNEXURE XIV:- WSIP-I PHASE –II STAKEHOLDERS WORKSHOP BADIN

Venue: Darbar Hall, DCO Office Badin
Date: December 19, 2011
Number of participants: 57 participants
Partner NGOs: SSER, SAWFCO, MDF, BRDS, and Goth Seengar Foundation

Arrangements:

In cooperation with SIDA and Louis Berger Inc. (LBG) & Indus Associated Consultants, the District stakeholders' consultative workshop was conducted by the Consortium lead by the Management Development Centre (MDC) in Darbar Hall, DCO Office Badin on December 19, 2011. The workshop was attended by the stakeholders from Ghotki, Khairpur and Sukkur districts, SIDA team and the Consultants. The organization and support was assured by the partner NGO Society for Science Education and Research (SSER). The stakeholders (participants) were provided with the workshop agenda, project brochure, copy of the presentation, printed brochures of some of the consortium NGOs supporting in organizing the workshop, writing pads and writing material (pen and markers) etc.

The workshop was conducted in two sessions: the first session was based on the main presentation and the second session was group discussion and presentations by the group leaders. The following four groups were formed during the second session:

Drainage
Flood
Socio-Economic and Institutional
Environment

Workshop Purpose:

The main purpose of the workshop was to:

- Present solutions proposed during the consultations with communities and stakeholders in the Phase I, get alternative/additional solutions and to get stakeholders' endorsement of the proposed and prioritized solutions mainly pertaining to drainage, flooding, environment, natural resources, socio-economic and institutional issues in the left bank of Indus, delta and coastal area.

Workshop Introduction:

Due to late arrival of the participants, the workshop started on 11.40 a.m with the recitation from the Holy Quran by Mr. Mola Bakhsh Mallah. Dr. M. Saleh Soomro, LBG/Indus Deputy Team Leader welcomed all the participants and informed to the participants that we have organized 2 workshops before in Badin in order to get feedback/suggestions from the stakeholders on the problems and solutions. We have also visited villages and the field and based on their feedback and suggestions we have worked out some solutions. Based on these solutions we have framed some interventions that will be presented today to you for your feedback and approval. You can give us suggestions if you feel any of our intervention is not beneficial or you may change the priority of the interventions. Why I am giving this detail is due to the reason that your involvement in the discussions is important.

Remarks by Muhammad Nawaz Memon, Member AWB

He thanked SIDA for organizing this workshop in Badin. This shows that our problems of LBOD and floods are given importance. Badin has seen many losses from LBOD every year

in rainy season by overflow of drained water. But everyone knows the intensity of flood water during current year 2011. Still water can be seen in the fields all around the Badin district. Therefore, we welcome LBG team and I am sure we will get benefit from today's workshop and will give our own priorities so that the expected development projects provide better results.

Remarks by Major ® Umer Farooq, Member LBOD

He thanked SIDA, LBG, MDC and all participants for sparing time on this important issue. He also thanked for giving him chance to share his view. Highlighting on importance of district Badin, he said that Badin district is not behind any other district in Pakistan from economic standing, because Badin has oil reserves, fisheries, coastal area, and sugar mills. Therefore, we can say that Badin is not aid seeker rather provider. The problem of Badin is lack of water and unfortunately we don't have water when we need it and we have plenty of water when others don't need it. Because Badin is on the tail of Sindh province and in each cropping season, water given to Badin in low volume, whereas, in time of rains and floods everyone drains the excessive water which ultimately comes to Badin being on the tail of river Indus and LBOD. The question is that how effectively we can manage these issues and grow more crop and live good life. I am happy to see the working performance of LBG team and am sure that this type of consultative workshops will lead us to long lasting solutions.

Remarks by Nadir Hussain Khawaja, Member AWB

He thanked all participants for attending this workshop and appreciated the efforts of SIDA, LBG and MDC for organizing workshop on important issue. I will request to all participants to play their active role in today's workshop with full of their honesty. He said that unfortunately district Badin is on the lowest part of Pakistan and face problems. There have been many projects but have not left good impact, therefore, we need quality not quantity. Most of the projects implemented before were not properly planned and corruption was also one of the main reasons of their failure. Therefore, we should try to implement a mechanism that ensures smooth implementation of the development with community participation. Concluding his remarks, he requested all participants again to think positively and give their suggestions for any improvement in the solutions suggested by the LBG team.

Muhammad Ibrahim Shoro, XEN, Irrigation Department

He thanked the organizers of the workshop by giving him chance to share his views on the issues of LBOD. He said that we have worked hard in recent floods because the position was worst. We (Badin) had water from Tando Muhammad Khan, Matli, and also from Dhoro Puran. Moreover, we were lucky that southern winds were not there during these days, because, these winds would have even deteriorated the situation to worst. He also suggested constructing long distance road along coastal areas which will not only provide easy access to many coastal villages but will also save from sea intrusion and floods as well.

Sayed' Zafar Ali Shah, President Abaadgar Board

He thanked SIDA, LBG and MDC team who invited him to participate in the workshop and gave this chance to share my opinion in this forum. We are happy to see that now studies are done and these are expected to be beneficial for Badin. The local masses of Badin have been struggling hard since 1999 with active part of local civil society organizations. We have also registered a legal case against World Bank and have also submitted our suggestions and

requests on many forums but we don't know what happened to our efforts. Therefore, we want to be sure that our suggestions will be heard and taken care for in this workshop.

Badin has been facing critical situation each year after rains due to over and back flow of LBOD drains. However, the recent floods of year 2011 changed the situation and it is expected that such situation can occur again next year. Therefore, we need special attention to save our future. He also informed to the participants that we have supported Nespak and one org from Islamabad for their study by risking our lives and also spent around 30 million rupees but we don't know what happened to these studies. Therefore, based on our past experiences, we are afraid that this workshop's efforts will also go waste. But we are still optimistic and hope for the good from this workshop.

This year, LBOD water from Mirpurkhas, Naukot canal and DPOD have flooded us. In past, Badin was affectee of LBOD each year but this year other districts have also seen the havocs of LBOD that's why now they started thinking on how to improve LBOD scheme. We are afraid that if more water keeps coming from upper districts (Mirpurkhas, Sanghar, and Shaheed Benazirabad), then what will happen to Badin. Because we are not able to cultivate crops in major area of Badin district as our lands are over flooded with water. The canal system is destroyed as different canals were cut on 112 places either to divert the direction of water or drain in the water of floods. The ultimate affectee of these cuts was Badin district being on the tail, hence, our canals are not repaired so far and we are facing acute shortage of water as canals are non-functional due to these cuts. We therefore request to consider issues of Badin on merit and change the LBG study if it is not feasible for Badin. I would also like to say that LBOD alone is not the solution for drainage water. Sanghar, Nawabshah and other districts have also their own drainage outlets prepared in English rule era and hence these should be explored and reactivated. He again thanked for giving him opportunity to talk on issues of Badin and said that we are hopeful that our concerns will be listened and taken care for.

Remarks by Nazeer Memon, GM, SIDA

He thanked all participants on behalf of SIDA and also thanked LBG team who worked hard with new ways. You can see many consultant firms but they don't have consultative approach of taking people into confidence. But LBG team has done their best by involving local communities' through participatory approach of consultation. The policies are done through consultation therefore LBG and MDC has made their maximum efforts to invite the prominent stakeholders under one roof. We use to read articles of Zafar Ali Shah and Jamali in newspapers, but today they are with us.

He told to the participants that current study of LBG is important and your active participation will also play important role. Your concern about its implementation is also valid as the studies have been going in waste in the past. I am sure that nothing like this will happen now. We are also lucky as Khadim Talpur is also with us today and we will be benefitted from his experience on LBOD because he has also been part of struggle on LBOD issues and we seek help from his knowledge. Because the benefits of local knowledge are important for example if the LBOD scheme had been done in consultation with local community, it would have given better results.

The government of Sindh gave this project to SIDA to engage team of highly professionals who can carry out this study through community consultations. The main objective behind community consultation was to involve local communities in framing future policies on

LBOD and its related issues in order to prepare future oriented project plan for our coming generations. He informed that the master plan will cover entire left bank of River Indus and district Badin as well. Certainly, we have seen the most damaging floods this year but these floods have also enabled LBG consultants to see actual position without assumptions on heavy floods. It is said that this type of floods come after 600 years and LBG consultants were lucky to measure the intensity of the destruction on actual flooding in different left bank districts.

Moreover, the Badin district alone is not responsible to drain the flood and saline water through LBOD. Other available options of natural routes should also be explored. SIDA is committed for this and I can assure you that we will move ahead with your consent. While giving brief background of the project phases, he informed to the participants that in phase-I of the project, we have identified issues as part of master plan through consultation with community. In phase-II, solutions have been worked out on the basis of consultations in phase-I. These solutions will be presented to you today for your feedback/suggestions. The phase-II is almost finished as we have only 2 more workshops to go and then the final report will be submitted. Therefore, please be attentive while presentation of solutions/interventions and take your active part in group discussions to point out improvements, if you have any suggestion. In phase-III, drawing & technical things will be made and in phase-IV, after completion of remaining work of feasibility study and implementation plan the project will go in implementation phase. As a whole, it will take around 2 more years for implementation of this project. So I will again request you all to look at it seriously and take your active part in group discussions.

Remarks by Meer Mola Bakkash Talpur, Member SIDA Board

Meer Mola Bakkash Talpur, Member SIDA Board who was also chairing the workshop thanked the LBG and MDC team on organizing the workshop. He said that this is good to see that our concerns are being heard and today we are together for consultation on our issues related with LBOD. We are very much positive and hope that something good will be done for Badin who suffered lot from LBOD scheme. I would also like to share my own experience that in 2003, I attended a consultative workshop on LBOD and it was decided in that workshop that 75% water of LBOD will go to DPOD and inlets of LBOD will be like flood gates but nothing happened. Therefore, we are also afraid that either something will happen or we will waste our time and energies by participating in today's workshop.

Main Presentation

After the tea break, the main presentation was delivered by Mr. Mola Bakash Malah. He informed to the participants that LBG team has done great and hard work in reaching to this stage. He explained each and important aspect of the project covering the whole project area of the left bank, explaining the objectives of consultative workshop, solutions of the identified issues and problems pertaining to drainage, flooding, environment, natural degradation and socio-economic and institutional aspects of the study.

During the presentation, a small unpleasant situation happened when one of the participants asked a question that "how much capacity you have kept for LBOD, please inform us then move ahead with presentation". The facilitator requested the participant to note his questions and ask at the end of the presentation so the programme goes smoothly. Mr. Anwar Ali Baloch also requested the participant to note down his question (s) and ask at the end, but the participant became very much aggressive and demanded the answer. Looking at warm situation, Deputy Team Leader, Dr. Saleh Somro intervened and replied to the participant that

we are not suggesting any remodeling in the LBOD scheme and hence there is no question or issue on capacity of the LBOD rather we are suggesting rehabilitation of the LBOD scheme and this is supported by all stakeholders. For us Badin is also important as it had faced many difficulties so we have focused more on issues of Badin and are covered in the presentation. Therefore, please let the presenter complete his presentation and then ask if you have any question.

After completion of the presentation, Mola Bakash Malah explained proposed interventions in details so the participants can give their effective opinions in group discussions. The number of proposed interventions was presented for each aspect of problems:

Drainage	10 interventions
Flooding	8 interventions
Environment & Natural Resources	7 interventions
Socio-economic and Institutional	5 interventions

Comments/Concurrence of the stakeholders on proposed interventions

Mr. Mola Bakash Malah gave overview of the proposed interventions and requested all participants to give their opinion in group discussion. All participants were divided into following four groups:

- Drainage group
- Flood group
- Environment and natural resources group
- Socio-economic and Institutional group

Participants were asked to join any group according to their interest. The consultant's experts facilitated each group. The stakeholders' concurrence on each intervention and alternate intervention proposed by the stakeholders were received on designed format developed by the consultants. The participants of each group selected a group leader who presented the findings of their group in a session after the group work in the workshop. In this way, the stakeholders were given the maximum chance of endorsing and rejecting the pre-feasibilities prepared against the key identified issues. They were also given the chance to suggest alternative and additional structural and non-structural solution.

Vote of Thanks

Dr. Yameen memon thanked all the participants with special thanks for LBG team because they are really working hard in phase-I and II of the project. Their commitment shows that they want each and every solution properly ratified by the stakeholders with consultation with them. I am also happy to see that participants have taken keen interest to discuss on their issues related to LBOD and suggested many things for improvements. Still we have Hyderabad and Karachi workshop to get finalized on the phase-II. I again thank you all for sparing time and participated in the workshop.



REGIONAL PLAN PHASE II – SOLUTIONS REGIONAL PLAN PHASE II – SOLUTIONS DRAINAGE

District: Badin

Venue: Darbar Hall, DC Secretariat Badin

Date: 19-12-2011

Before presenting the discussion of the group, the group leader gave brief background that Badin is direct affectee of LBOD project and Badin is on coastal areas. Hence, we are fighting both sea and LBOD since years. We have been struggling hard since inception of LBOD and gave suggestions to World Bank, Irrigation Department and SIDA, but so far nothing has been done. Even our parents have also objected when KPOD was made in 1968. But unfortunately, they were not heard and we faced losses. Due to losses of water logging, the government made LBOD, KPOD and DPOD but these schemes did nothing. We went on every forum and submitted our reservations on expected losses of the project but they said this project will benefit you. I will also like to an interesting example, in 1995, Environmental Protection Agency organized a workshop on environmental issues with LBOD project. One of the participants asked question from a World Bank consultant in workshop that LBOD is not beneficial for Badin. The World Bank consultant gave very interesting answer that to get big benefits you have to bear small losses. If the losses Badin has suffered through LBOD schemes are small then we are afraid big losses will wipe out us from earth. He apologized for taking little more time as this is important as we don't get such opportunities to share our opinion in this type of forums.

Sr. #	Intervention proposed by the stakeholders اسٽيڪ هولڊرن طرفان تجويز ڪيل مداخلتون	Ranking by the stakeholders اسٽيڪ هولڊرن طرفان تجويز ڪيل درجابندي	Concurrence by the stakeholders اسٽيڪ هولڊرن جي طرفان ڏنل تجاويز	In case of disagreement additional/alternative intervention suggested by the stakeholders اتفاقي راءِ نه ٿيڻ جي صورت ۾ / اسٽيڪ هولڊرن جي طرفان ڏنل تجاويز	Reasons for rejection of the proposed solution تجاويز ڪيل حل جي خارج ٿيڻ لاءِ اسباب	Group leader signature
1.	Rehabilitation of spinal drain and KPOD KPOD ۽ وڏي سم نالي جي بحالي	2	It should be made very much clear that rehabilitation will be not remodeling.			
2.	Remodeling of DPOD to 4000 cfs DPOD جي 4000 cfs تائين جي نئين سر تياري	1	We have no objection if remodeling is done for DPOD to increase its capacity			
3.	Construction of flap gate on KPOD to manage the LBOD drainage and sea water intrusion KPOD تي فليپ دروازو تعمير ڪيو وڃي ته جيئن	8	We don't agree for flap gates because due to pressure of water, the gates will not remain			



	سم نالي ۽ سمنڊ جي پاڻي جي مداخلت کي روڪڻ		intact.			
4.	Rehabilitation of SCARP Tubewells SCARP ٽيوب ويلن جي نئين سر بحالي	6	This is not applicable to Badin district, so we kept it on last priority because SCARP tube wells are not in Badin district.			
5.	Remodeling of Nawabshah, Sanghar, Mirpurkhas components and rehabilitation of Badin area drainage نوابشاہ، سانگھڙ ۽ ميرپورخاص حصن جي نئين سر تيار ۽ بدين جي علائقن جي نئين سر بحالي	4	We don't agree for remodeling because remodeling will increase flow of water and will destroy Badin district. We suggest rehabilitation and request to please listen to our suggestions.			
6.	Transition of SCARP fresh water tubewells SCARP اسڪارپ جي مٺي پاڻي جي ٽيوب ويلن جي منتقلي	5	Tube wells are not available in upper Badin, Sindh			
7.	Identification of best method for solving water logging and salinity سم ۽ ڪلر جي مسئلي کي بهترين نموني حل ڪرڻ جو طريقو ڳولڻ		Mangrove plantation should also be encouraged to control water logging and salinity.			
8.	Analyze and prepare strategy for Govt of Sindh to check disposal SCARP-VI project اسڪارپ 6 جي پروجيڪٽ جي جاچ ۽ گورنمينٽ لاءِ لائحہ عمل تيار ڪرڻ ۽ جائزو وٺڻ.	8	We kept on last priority because SCARP-VI project is not concerned with district Badin.			

Additional comments:

1. LBOD should be remodeled, discharge of water must be increased and branch drains should also be remodeled. Structures should be made at Tidal link drain RD – 110 and RD – 155 to save KPOD from sea intrusion. Through pipes water should be crossed and the height of bridges should be increased
2. Capacity of KPOD should be increased at about 4000 cusecs
3. There should not be gate at KPOD because it will not be beneficial
4. There are not SCRAP tube wells in district Badin
5. Spinal drain should be rehabilitated instead of its remodeling and capacity increase.
6. There are not tube wells at upper areas of district Badin
7. Plantation should be increased
8. SCRAP – VI project is not related to district Badin. Water should be drained out in the same districts



Phase –II District Stakeholder Workshop
Drainage Group Members

Date: 19/12/2011

District: Badin

S. No	Name	Organization	Destination
27.	Abdul Majeed		Stakeholder
28.	Nadir Hussain Khowja	Member A/W/B	
29.	Ali Murad Shah	Journalist	Stakeholder
30.	Dr. Nawaz Ali Baloach		
31.	Muhamma Ibrahim Shoro	XEN	Irrigation Department
32.	H. Mohammad Nawaz	Member LBCAWB	Sindh Abadgar Board
33.	Zaffar Ali	--	Sindh Abadgar Board
34.	Allah Bachayo Jamali	Journalist	Stakeholder

Facilitator:
Dr. Yameen Memon
MDC

Group Leader
Dr. Nawaz Ali Baloch
BRDS



REGIONAL PLAN PHASE II – SOLUTIONS FLOODING

District: Badin

Venue: Darbar Hall, DC Secretariat Badin

Date: 19-12-2011

Sr. #	Intervention proposed by the stakeholders اسٽيڪ هولڊرن طرفان تجويز ڪيل مداخلتون	Ranking by the stakeholders اسٽيڪ هولڊرن طرفان تجويز ڪيل درجابندي	Concurrence by the stakeholders اسٽيڪ هولڊرن جي طرفان ڏنل تجاويز	In case of disagreement additional/alternative intervention suggested by the stakeholders اتفاقي راءِ نه ٿيڻ جي صورت ۾ اسٽيڪ هولڊرن جي طرفان ڏنل تجاويز	Reasons for rejection of the proposed solution تجاويز ڪيل حل جي خارج ٿيڻ لاءِ اسباب	Group leader signature
1.	Diversion of storm water from LBOD to Thar area برساتي پاڻي کي LBOD کان ٿرواري علائقي ڏانهن موڙڻ	-	No we don't agree for this intervention because polluted and saline water will also destroy ecology and natural beauty of Thar area.			
2.	Construction of 1 Km long bund from Tidal Link. ٽائيڊل لنڪ کان 1 ڪلو ميٽر بگهو بند تعمير ڪرڻ	4	Yes			
3.	Plantation of mangroves belts along Tidal link سامونڊي طرف ٽمر جي وڻن جي وڻڪاري ڪرڻ	5	Yes			
4.	Construction of channel from KPOD side for water diversion to wetlands پاڻي کي Wetlands ڏانهن موڙڻ لاءِ KPOD طرف چينل تعمير ڪرڻ	-	No we don't agree with this intervention because in ordinary cases sweet water is difficult to get and this channel that leads to sea			



			will further destroy the whole area.			
5.	Construction of spillway to release water from wetlands تلاء / ڏينڊن جي طرف کان پاڻي ڇڏڻ لاءِ اسپل وي تعمير ڪرڻ	6	Yes			
6.	Diversion of flood water upstream Sukkur - Ghotki Barrage	-	No we don't agree to this intervention and suggest to increase the height of Sukkur Barrage and other canal to save local population from floods			
7.	Second line of defence for Indus bunds from Hyderabad to Thatta - Sujawal bridge سندھو دريا جي بندن جي بچاء لاءِ	3	We agree but also suggest to strengthen existing bunds as well			
8.	Construction of raised platforms to protect people and livestock ماڻهن ۽ جانورن جي حفاظت لاءِ اوچائي وري زمين تي تعميرات ڪرائڻ	1	We gave first priority to this intervention, because we face floods every year.			
9.	Construction of earthen embankments to protect villages from sea intrusion/ tidal effects in coastal area سامونڊي علائقن جي ڳوٺن جي حفاظت لاءِ مٽيء جا بند تعمير ڪرايا وڃن ته جيئن سامونڊي اثرات کان بچي سگهجي.	2	We agree to this intervention and also suggest to introduce income generation programmes for flood affectees			

Additional comments:

After preparing more models, prepare one model and get approval from the concerned local communities so that social and cultural remain intact.



- 1. In Advance**
 - People should be given awareness
 - Checking and monitoring of the situation early warning system
 - A proper way of taking out flood water
 - Alertness from any danger or emergency
 - A proper system of communication between administration and community
- 2. At the Time of Flood**
 - At the time of emergency, necessary machinery and volunteers must reach at the affected area
 - Arrangement of electric pump for taking out flood water
 - Arrangement of food and medicines
 - Availability of boats and vehicles at the time of emergency
 - A proper arrangement should be made in case of any emergency for providing shelter to the affected
- 3. After Flood**
 - Evacuation of affected communities
 - Arrangement of rehabilitation
 - Arrangement of reconstruction of destroyed infrastructure
 - Relief and aid
 - Area water board and Farmer Organizations should take responsibility of this whole system



Phase –II District Stakeholder Workshop

Members of Flood Group

Date: 19/12/2011

District: Badin

S. No	Name	Organization	Destination
10.	Khadeem Talpur	President	SSER
11.	Abbas Kassar	Group member	Journalist
12.	Muhammad Moosa	Group Member	Lahore Times
13.	Ghulam Nabi Shah	Group Member	
14.	M. Ashraf Khatti	Group Member	Irrigation
15.	Major (R) Omer Farooq Ahmed	Group Member	Chairman FO

Facilitator:

Mola Bux Mallah
MDC

Group Leader

Khadim Hussain Talpur
SSER



REGIONAL PLAN PHASE II – SOLUTIONS DEGRADATION OF ENVIRONMENT AND NATURAL RESOURCES

District: Badin

Venue: Darbar Hall, DC Secretariat Badin

Date: 19-12-2011

Sr. #	Intervention proposed by the stakeholders اسٽيڪ هولڊرن طرفان تجويز ڪيل مداخلتون	Ranking by the stakeholders اسٽيڪ هولڊرن طرفان تجويز ڪيل درجابندي	Concurrence by the stakeholders اسٽيڪ هولڊرن جي طرفان ڏنل تجاويز	In case of disagreement additional/alternative intervention suggested by the stakeholders اتفاقي راءِ نه ٿيڻ جي صورت ۾ / اسٽيڪ هولڊرن جي طرفان ڏنل تجاويز	Reasons for rejection of the proposed solution تجاويز ڪيل حل جي خارج ٿيڻ لاءِ اسباب	Group leader signature
	Mangroves تمر جا وڻ					
1.	Protective plantation of mangroves in coastal area سامونڊي علائقن ۾ تمر جي وڻن جي حفاظتي / محفوظ وڻڪاري	1	Mangroves are important for coastal belt. We suggest that a pilot project should be implemented first to make a role model for others.			
	Fisheries ماهيگيري					
2.	Shrimp and mud crab culture in coastal areas ڪيڪڙن ۽ ساني جي ڪلچر کي ساحلي علائقن ۾ برقرار رکڻ	2	Yes			
3.	Introduction of brackish water fish in LBOD system area ڪاري پاڻي جي مڇي جو تعارف سم نالو سسٽم ۾	3	Yes			
	Forest جنگلات					
4.	Conjunctive/cyclic use of drainage water for	4	yes			



	forestation in forest and farmlands گندي پاڻي کي جنگلات ۽ زمين جي آبلهڙي لاءِ قابل استعمال بڻائڻ					
	Water Scarcity – Land Degradation گهٽ پيداوار واري زمين – پاڻي جي کوٽ					
5.	Promotion of bio saline agriculture for raising salt resistant crops and trees in Kotri Drainage Basin ڪوٽري جي علائقي ۾ اهڙا وڻ ۽ فصلن جي پوک ڪرڻ جيڪي لوڻياني زمين ۾ پيداوار ڏئي سگهن		Yes			
6.	Revival of Wetlands ڀنڀڻ / تالانن جو وري قابل استعمال	5	Yes			

Additional comments:

1. Testing (Pilot) interventions, Community (Stakeholder) involve practically gaining motivation and success.
2. Government agencies related to environment (forest etc) fisheries and agriculture must play their role effectively
3. Shrimp and Mud Crab – specially – large level local marketing (nurseries)
4. Electronic and print media to promote friendly environment (campaigns specially focus on coastal area)
5. Education:- environment issues should be added in the syllabus to promote environment related issues.
6. Female awareness in coastal belt should be increased
7. Include local wisdom before and after the project interventions
8. Loss of environment - No assessment – it should be assessed in terms of money.



Phase –II District Stakeholder Workshop
Members of Environment Group

Date: 19/12/2011

District: Badin

S. No	Name	Organization	Destination
12.	Fayaz Ali	Program Manager	Badin Rural Development Society
13.	Fozia Abbasi	Manager M and E	BRDS
14.	Iqbal Shah	Program Manager	BRDS
15.	M. Aleem Zargar	S.O	BRDS

Facilitator:
Abdul Qadir Arbab
MDC

Group Leader
Fayaz Ali
BRDS



REGIONAL PLAN PHASE II – SOLUTIONS SOCIO-ECONOMIC AND INSTITUTIONAL

District: Badin

Venue: Darbar Hall, DC Secretariat Badin

Date: 19-12-2011

Sr. #	Intervention proposed by the stakeholders اسٽيڪ هولڊرن طرفان تجويز ڪيل مداخلتون	Ranking by the stakeholders اسٽيڪ هولڊرن طرفان تجويز ڪيل درجابندي	Concurrence by the stakeholders اسٽيڪ هولڊرن جي طرفان ڏنل تجاويز	In case of disagreement additional/alternative intervention suggested by the stakeholders اتفاقي راءِ نه ٿيڻ جي صورت ۾ / اسٽيڪ هولڊرن جي طرفان ڏنل تجاويز	Reasons for rejection of the proposed solution تجاويز ڪيل حل جي خارج ٿيڻ لاءِ اسباب	Group leader signature
1.	Disaster Crisis Management Unit in SIDA سيدا ۾ ڊزاسٽر ڪرائسز مئنيجمينٽ يونٽ قائم ڪرڻ	3	Existing filed units should be strengthened			
2.	Preventive maintenance program for SIDA within canal commands of AWBs پروينٽو مينٽيننس پروگرام فار سيدا ۽ AWBs جي انتظام هيٺ ڪئنالن لاءِ	4				
3.	Establishment of drinking water – water treatment plants/units by relevant agencies لاڳاپيل ايجنسين جي طرفان پيئڻ جي پاڻي ۽ پاڻي کي صاف ڪرڻ جا يونٽ يا پلانٽ لڳائڻ	5				
4.	Wastewater treatment at source by concerned agencies لاڳاپيل ايجنسين جي طرفان گندي پاڻي کي استعمال لائق بڻائڻ جو ذريعو پيدا ڪرڻ.	6				
5	Detailed Survey for rehabilitation	1	We gave this on top priority			



			because there is no proper survey of the flood affectees			
6	Income support program A. Micro Finance Bank B. Job Creations (Agri) Base	2	Income support programme should be done for flood affectees			

Additional comments:

1. Loan should be written off and new loans should be provided interest free to boost up life again on same level as before floods.
2. The closed schools should be re-opened at village level.
3. Mobile health units should also be arranged to facilitate villagers and proper facilities should be provided to LHW
4. Water storage tanks should be constructed at water course level
5. Proper rate of saved crops such as sugarcane should be ensured
6. Awareness campaign should be run at village level for flood preventive measures.



Phase –II District Stakeholder Workshop
Members of Socio-Economic & Institutional Group

Date: 19/12/2011

District: Badin

S. No	Name	Organization	Destination
13.	M. Ayoub Burdi	Deputy Director Field	On Farm Water management agriculture Department
14.	Saeed Ahmed Noonari	Asstt Agriculture engineer (Area water board)	On Farm Water management agriculture Department
15.	Abdul Ghaffar khoso	DDO SW	SWD
16.	Muhammad hussain khaskheli	Clerk session court	District Court Badin
17.	Parvaiz Ahmed		
18.	Sajjad Ahmed Larik		
19.	Avais Ahmed Memon	Manager Programs	
20.	Bilawal A. Sooho	IS/SM(WISP-I)	SIDA
21.	Taj Muhammad	AEN For FOS	SIDA
22.	Mansoor Umer Khanzada	AEN For FOS	SIDA
23.	Mohsin Ali	IS LBCAWB	SIDA
24.	M. Ghous Laghari	FTC Badin	SIDA

Facilitator:
Fareed Leghari
MDC

Group Leader
Muhammad Ayoub Burdi
DD, On farm Water Management
Agri Department



ANNEXURE XV:- WSIP-I PHASE –II STAKEHOLDERS REGIONAL WORKSHOP HYDERABAD

Venue: Indus Hotel, Hyderabad
Date: December 29, 2011
Number of participants: 99 participants
Partner NGOs: SSER, SAWFCO, MDF, BRDS, and Goth Seengar Foundation

Arrangements:

In cooperation with SIDA and Louis Berger Inc. (LBG) & Indus Associated Consultants, the District stakeholders' consultative workshop was conducted by the Consortium lead by the Management Development Centre (MDC) in Indus Hotel, Hyderabad on December 29, 2011. The workshop was attended by the stakeholders from Nara Canal Area Water Board (NAWB), SIDA team and the Consultants. The stakeholders (participants) were provided with the workshop agenda, project brochure, copy of the presentation, printed brochures of some of the consortium NGOs supporting in organizing the workshop, writing pads and writing material (pen and markers) etc.

The workshop was conducted in two sessions: the first session was based on the main presentation and the second session was group discussion and presentations by the group leaders. The following four groups were formed during the second session:

9. Drainage
10. Flood
11. Scio-Economic and Institutional
12. Environment

Workshop Purpose:

The main purpose of the workshop was to:

- Present solutions proposed during the consultations with communities and stakeholders in the Phase I, get alternative/additional solutions and to get stakeholders' endorsement of the proposed and prioritized solutions mainly pertaining to drainage, flooding, environment, natural resources, socio-economic and institutional issues in the left bank of Indus, delta and coastal area.

Workshop Introduction:

The workshop proceedings started on 11.00 am with the recitation from the Holy Quran by Mr. Mola Bakhsh Mallah. Dr. M. Saleh Soomro, Deputy Team Leader, LBG & IAC Leader thanked and welcomed all the participants for sparing their time to attend the workshop. He informed to the participants that in the earth summit 1992 which was held in Rio de Janeiro, Brazil, it was decided that the stakeholders should always be invited for consultation before making any plan on any development project to get benefit from local wisdom. Following this concept, LBG team has consulted the stakeholders at all levels since last more than one year. In phase-I of the project, we have organized district level workshops, village level focus group discussions (male & female) and met with more than 7,000 people. This helped us identify problems of different areas on left bank of river Indus. In phase-II of the project, based on community consultations in phase-I, LBG's team of professional experts sorted out solutions which suite entire left bank area of river Indus. The solutions have been suggested in four important areas i.e. drainage, flooding, environment, and socio-economic. Appropriate interventions have been designed for these issues. We have organized workshops in all districts on left bank and are getting approval from the stakeholders on these solutions and

interventions. Dr. G.R Keerio will deliver you a detailed presentation on identified problems and suggested solutions & interventions for these problems for your comments and approval. You can give us suggestions if you feel any of our intervention is not beneficial or you may change the priority of the interventions. Why I am giving this detail is due to the reason that your involvement in the discussions is important.

Remarks by Muhammad Ghulam Mustafa Ujan, Director NAWB

He thanked to have this opportunity and said that he came here for learning. Today pre-feasibilities will be shared with us for our opinion and comments for further improvements. Therefore, we must take active part in this finalizing consultative workshop. During the current floods, NAWB was worst affected and the lie has been totally disturbed. We have experienced many new things. Normally, LBOD is blamed but this year, we have seen that LBOD has helped drain out flood water. The super flood has shown us practical things about natural routes of water, flood situation and how to manage these issues. He informed to the LBG consultants that we are also conducting a study for Mithrao and Jamrao canal and will request to add findings of our report in your master plan.

Remarks by Mir Tariq Ali Talpur, Chairman NAWB

He thanked all participants to attend the workshop. He said that there is no doubt that our department has performed well during the recent floods but as we know that water sector improvement project is going to be launched soon, therefore, it should be done in consultation with stakeholders. I hope that all scholars and Irrigation experts will work out good solutions from today's discussions. The chairman said that as a grower my sympathies are with my local people. Normally, this type of workshops look good but when projects are launched, we don't see any fruitful results out of those projects. The shortage of water is big problem of our area. Moreover, the capacity of the canals is reduced because of damages due to recent floods. Therefore, restoration of canal system is more important than this project.

Remarks by Zahid Junejo, Director, WSIP

He thanked all the participants for attending the workshop and said that today in the workshop; we will discuss pre-feasibilities. This year's rains were real test for our consultant team so it can also said that these were blessing in a way that the consultants have observed and measured the intensities for long run planning. Talking on some of the problems, he told that most of our lakes and dhoras are encroached by the politically powerful people. LBOD could have worked more if managed properly. He said that we are happy that LBG team has been working on this important project and we are anxious to see in the presentation that what they are suggesting on different issues. He also informed to the participants that our discussion is not bound for only NAWB but it is for entire left bank of river Indus. Therefore, please be honest while giving your suggestion. He also said in the last that the entire flood relief work was done by SIDA not by Irrigation Department

Qazi Asad Ali, Chairman Panel of Experts, Isra University, Hyderabad

I am happy to have this chance to express my views but I have come to this workshop to listen because I am interested to know developments on these issues. Honestly, speaking I am however member of SIDA board but I don't know much about Ghotki and Nara AWBs. I know little bit about coastal belt areas. I am writing on floods of 2010 and 2011 and need many maps and will be able to complete my work by August 2012. In brief, 2010 flood was river flood and disturbed life on Indus right bank and floods of 2011 were mainly on left bank and these were rain floods. Many people have encroached lakes and dhoras which was also

one of the reason of heavy floods. We have concern that how the water will be drained from lower parts of Sindh province. We will see what solutions LBG is offering. This is also good to know that now we accept the importance of community consultation that's why we all are together today. It would have been much better, if this type of consultations would have been done while construction of LBOD project. I am happy to see efforts of LBG and am sure that they will ensure proper project planning and budgeting in next phase of preparing master plan. I will request about the concerns of growers from tail areas. There is famous saying that the growers from Tail reaches get water when they don't need it and no water when they need it. This issue should also be kept in consideration while making future planning.

Ehsaan Leghari, Managing Director, SIDA

He thanked all the participants for their invaluable given to attend the workshop. He also appreciated the hard work done by team of LBG for their hard work on the project. He said that the recent heavy rains have destroyed many things but have also guided for many assumptions. So yes we can also say these rains as blessings because we have seen natural routes of water drains. The rains have also created importance of integrated development plans. Because we have seen many roads, schools and other government buildings drowned with flood water as they were built on lower depth. The sim nalas and canals were also over flown due to illegal encroachments. Therefore, these issues necessitate the importance of integrated planning and development. The government has to take action to save our future generations. I am also happy to see many scholars in the participants and am sure they will participate actively in the group discussions to reach on good solutions. I also suggest LBG to publicize in daily newspapers and seek feedback from local people by asking them – please send us your feedback on losses you faced due to flood/LBOD. This will also help getting local know how and wisdom on how to resolve such issues in future.

Remarks by Nazar Muhammad Gaaho, Political Secretary to Chief Minister, Sindh

I am thankful on giving me this opportunity to share my views on the workshop. Stakeholders' consultation is important. All of us know about the problems of the floods. I am also anxious to listen on the issues and I hope that today's sitting will be fruitful. I assure on behalf of Chief Minister, Sindh that we will do our best to give priority to such issues and our government will maximum to resolve.

Main Presentation

After the tea break, the main presentation was delivered by Dr. G.R Keerio. He informed to the participants that LBG team has done great and hard work in reaching to this stage. He explained each and important aspect of the project covering the whole project area of the left bank, explaining the objectives of consultative workshop, solutions of the identified issues and problems pertaining to drainage, flooding, environment, natural degradation and socio-economic and institutional aspects of the study. After completion of the presentation, Dr. G.R Keerio explained proposed interventions in details so the participants can give their effective opinions in group discussions. The number of proposed interventions was presented for each aspect of problems:

Drainage	10 interventions
Flooding	8 interventions
Environment & Natural Resources	7 interventions
Socio-economic and Institutional	5 interventions

Question / Answer Session

After completion of the presentation, the participants were invited to ask question, if they have any. The participants took active interest in this session and shared questions and comments on the presentation during this session. The same are given below separately with different number:

1. One participant said that the presentation was very good and we appreciate on this work. However, we could not see anything on coming monsoon season. Because we have only 6 months to go and monsoon season will start in June-July 2012. The LBOD did well in recent floods as its capacity was 4,000 cusecs and it took 15,000 cusecs. I also appreciate the suggestion of LBG to divert the storm water to Thar (desert) area. I suggest to raise the banks (bunds) of main sim nala by 5 feet high and it should be motor able so that vehicles can reach on any point because when the bunds are broken or breach up then vehicles cannot reach on these places to control on floods. It is well known to everyone that there are 12 stop over points in LBOD where water is stopped. These should be opened before coming monsoon season. SIDA did great job in recent floods and their role is much appreciable.
2. Another participant said that the concept of pre-feasibility was low and concept was more in the present. If observations of phase-I were shared then we would have known what stakeholders suggested. We are looking such presentations since last over 20 years. Everything is explained in the presentations but in the implementation phase the consultants or donor forget ground realities. We must also take care of 18th amendment. According to the amendment, many issues are decentralized and have become provincial matters now. Either Sindh government is ready to manage issues on provincial level? We should know what should be role of IRSA in new scenario? What legal complications involve in federal and provincial authorities on water issues? I am sorry to say that I have not seen any new thing in the presentation.
3. Another participant said that the industrial waste water from Punjab is big problem. This should be resolved on top priority basis.
4. Another participant said that you also delivered this presentation in the workshop of Mirpurkhas. I have also raised objection there about the wrong number of non-functional tube wells there. You have again mentioned same number of non-functional tube wells here. I again say that more than 95% tube wells are not working. People have theft everything. I also suggest making separate system of drainage for each district i.e. Ghotki, Nawabshah and for Sanghar and Mirpurkhas should be separate. This way the water of Upper Sindh will drain out separately. There is no LBOD system. Everything has failed. I request all participants to speak truth and share with honesty. The workshops will give nothing except to waste our time. SIDA and AWB systems are good but these lack eligible people in these systems.

5. Another participant said that the presentation was good but some issues were not clear. As the presenter said that floods of 2011 were baseline. I guess this is wrong. How you will take these as baseline?
6. Another participant said that during the presentation, it was explained that Kotri Barrage will be rehabilitated. However, I know personally that Kotri Barrage was rehabilitated some years back so I suggest that maintenance should be done rather than rehabilitation. The presentation was looking like a general presentation. You must have given feedback of the stakeholders and the solutions. How you will drain out storm water? And how you will do land management? Tube wells are non-functional, please rehabilitate them. The seepage of Chotiari will destroy the areas. You have suggested solution for Chotiari. How you will control and what depth? Government of Sindh had given shallow tube wells but these are also non-functional. You have discussed about livelihood in your presentation but have not given any detail in the presentation. The presentation discussed about multiple options for storm water diversion through escapes, but those escapes were not shown in the presentation. There was no detail about land management plan. Therefore, please share proper document before presentation so we can evaluate it before discussion in the workshop.
7. Another participant said that we are deprived of water. We are also afraid that we will again be flooded this year. There is no system of drainage in between Mirpurkhas and Naukot. The big problem we have seen during recent floods was the unavailability of drainage bridges on the roads that's why water could not drained out in time. Therefore, please also ensure to make sufficient bridges on the roads so the rain water can easily pass through and also there is strong need of maintaining properly the system of LBOD.
8. Another participant said that the presentation was very good. However, there are positive and negative aspects of each issue. You can bring project billions but it may not have positive impact until the behavior of the people is not changed. The presentation has discussed about issues of rehabilitation and re-modeling, but there is need to clarify the criteria of remodeling. We have LBOD system but people living around it have deteriorated it and are also responsible for its failure. Out of 12 months, we have hard time of 4 months but during remaining 8 months are dry months without sufficient water. As you are going to make master plan and this plan will require multi billion rupees, therefore, each and every step must be taken with extra care. I appreciate the suggestion of LBG to drain out the excessive water into the district itself by discovering natural routes. We must take benefit from the experience of Australia which is surviving on rain water.
9. Another participant said that the area of Saleh Pat is not added in the study of LBG. Please add our area also in the master plan.
10. I will not criticize on the presentation. I am of the opinion that consultative workshops are away from realities. You say that LBOD's capacity is 4,000

cusecs and it took 15,000 cusecs of water this year. I am surprised is it really possible or just mere figures. Because LBOD has drowned Sindh so we should think seriously about the livelihood of people. Because LBOD has destroyed lands and agriculture. Therefore, in many areas, people have started fishing in LBOD drains. But the LBOD people have stopped these poor people from fishing. This is not justice.

11. Another participant said that you are going to send LBOD water to Thar (desert) lakes. Are you sure that water of LBOD will be useful for Thar? You have not told us the PH value of the water. The poisonous water of 15 sugar mills will come through LBOD. We can imagine what will happen to Thar after this water. The satellite pictures are wrong. If you come and see in Badin, you can see 2 feet of water everywhere in land field.
12. Another participant said that the LBOD has destroyed everything. In recent floods we have seen boats in cities. Tube wells are 100% non functional. We did see SIDA anywhere. In Chotiari, we have shown many areas where around 8 feet water is standing. But that is not mentioned in the presentation. Please consult with local people. Because you are going to make new plan so please try make genuine work. Please do actual survey.
13. Another participant said that one honest XEN came in Khipro Area and he collected around 44 lac rupees for de-silting. How we praise SIDA and AWB. We don't have water. Please for God sake do real things. We have our own we can come in this type of workshops but imagine for the poor people. How they will come. Please think seriously. Make projects environment friendly. I was Chairman of FO of my area and I have resigned from that and I will not get trapped again with SIDA or FO. In my time, we have planted trees on canals but now these have been cut. Corruption is everywhere. LBOD was made and it has destroyed whole Sindh. So I suggest making small projects but these should be community friendly.
14. Another participant said that in presentation many solutions have been given but without any time frame and expected results. The influential people do water theft but there is no action against them. So what will happen in future? How environment should be saved? Mirpurkhas was totally filled with water for months and encroachment is everywhere. How these issues will be resolved? Please give us expected timeframe and results so we can assess the performance as well.

Comments/Concurrence of the stakeholders on proposed interventions

Dr. G.R Keerio gave overview of the proposed interventions and requested all participants to give their opinion in group discussion. All participants were divided into following four groups:

- Drainage group
- Flood group
- Environment and natural resources group

- Socio-economic and Institutional group

Participants were asked to join any group according to their interest. The consultant's experts facilitated each group. The stakeholders' concurrence on each intervention and alternate intervention proposed by the stakeholders were received on designed format developed by the consultants. The participants of each group selected a group leader who presented the findings of their group in a session after the group work in the workshop. In this way, the stakeholders were given the maximum chance of endorsing and rejecting the pre-feasibilities prepared against the key identified issues. They were also given the chance to suggest alternative and additional structural and non-structural solution.

Concluding Remarks by Qazi Asad Ali, Chairman Panel of Experts, University of Isra, Hyderabad

In his concluding remarks, Qazi Asad Ali informed that MD SIDA requested me give my concluding remarks. I will briefly try to give my comments on today's workshop. While commenting on the group presentations, he appreciated the presentation of Dr. Rasool Bux Mahar. Mr. Asad Ali Memon said that mangrove plants can also be grown in mud fields and these areas are ideal for mangrove plantation. He said that there is need of drainage accord and relief efforts should be increased and all encroachments should be removed so that water flows smoothly in times of rain/floods.

While commenting on presentation of Dr. G.R Keerio, he said that the presentation was great. He said that Dr. Keerio has given detailed presentation on LBOD and also shared important flood issues and shown invaluable maps. I like all those because I am working on this. Dr. Keerio has also suggested good solutions for the areas where there is no option of drainage system. This is also good to know that dhoras and lakes will be revived. This will help reduce pressure from LBOD do drain out storm water into dhoras. I also assume that this is good pre-feasibility. Therefore, please note down pros & cons and then select one out of them. And then in next phase, we will make feasibility and all issues will be addressed. So I suggest we should not be so much concerned as it is quite natural that there might be issues pointed while presenting pre-feasibility. Therefore, I suggest not criticizing SIDA; they have done their best in combating flooding situation during the recent floods.

Vote of Thanks

Dr. Yameen memon thanked all the participants on behalf of consortium partner organizations for giving their time since morning and all the participants participated actively in the workshop and gave valuable suggestions. He also thanked participants on behalf of SIDA and LBG team.



REGIONAL PLAN PHASE II – SOLUTIONS DRAINAGE GROUP

AWB NARA canal

Venue: Indus Hotel, Hyderabad

Date: 29-12-2011

Sr. #	Intervention proposed by the stakeholders اسٽيڪ هولڊرن طرفان تجويز ڪيل مداخلتون	Ranking by the stakeholders اسٽيڪ هولڊرن طرفان تجويز ڪيل درجابندي	Concurrence by the stakeholders اسٽيڪ هولڊرن جي طرفان ڏنل تجاويز	In case of disagreement additional/alternative intervention suggested by the stakeholders اتفاقي راءِ نه ٿيڻ جي صورت ۾ اسٽيڪ هولڊرن جي طرفان ڏنل تجاويز	Reasons for rejection of the proposed solution تجاويز ڪيل حل جي خارج ٿيڻ لاءِ اسباب	Group leader signature
1.	Rehabilitation of spinal drain and KPOD KPOD ۽ وڏي سم نالي جي بحالي	1 st	Rehabilitation for five year Reduction passed. And four days execution period	-----	-----	
2.	Remodeling of DPOD to 4000 cfs DPOD جي 4000 cfs تائين جي نئين سر تياري	2 nd	Agreed	-----	-----	
3.	Construction of flap gate on KPOD to manage the LBOD drainage and sea water intrusion KPOD تي فليپ دروازو تعمير ڪيو وڃي ته جيئن سم نالي ۽ سمنڊ جي پاڻي جي مداخلت کي روڪجي	4 th	Agreed	-----	-----	
4.	Rehabilitation of SCARP Tube wells SCARP ٽيوب ويلن جي نئين سر بحالي	5 th	Agreed	-----	-----	
5.	Remodeling of Nawabshah, Sanghar, Mirpurkhas components and rehabilitation of Badin area drainage نوابشاھ، سانگھڙ ۽ ميرپورخاص حصن جي نئين سر تياري ۽ بدين جي علائقن جي نئين سر بحالي	3 rd	No remodeling be done but rehabilitation should be done with proper & regular maintenance	-----	-----	
6.	Transition of SCARP fresh water tube wells SCARP اسڪارپ جي مٺي پاڻي جي ٽيوب ويلن جي منتقلي	6 th	Agreed	-----	-----	
7.	Identification of best method for solving water logging and salinity	7 th	Agreed	-----	-----	



SINDH WATER SECTOR IMPROVEMENT PHASE-I PROJECT
Preparation of Regional Plan for the Left Bank of Indus, Delta and Coastal Zone



	سم ۽ ڪار جي مسئلي کي بهترين نموني حل ڪرڻ جو طريقو ڳولڻ					
8.	Analyze and prepare strategy for Govt of Sindh to check disposal SCARP-VI project اسڪارپ 6 جي پروجيڪٽ جي جاچ & گورنمينٽ لاءِ لائحہ عمل تيار ڪرڻ ۽ جائزو وٺڻ.	8 th	Agreed	----	----	
Additional comments:						



Drainage Group Members

Date: 29-12-2011

AWB NARA canal

S. No	Name	Organization	Designation
35.	Khadim Hussain soofi	Drainage Engineer	LBG/Indus
36.	Zulafqar Halepoto	TRDP	
37.	Asadullah Kazi – Group Leader	ISRA University	Environmental Geoscientist
38.	Dodo khan laghari	Agri: Ext Hyd	DDA
39.	Javed Hakeem Memon	SIDA	Technical Officer
40.	Ali Asgar Mahessor	SIDA	Director EMU
41.	Maqsood ahmed	NCAW	Member
42.	Pr: M.Yousif	Povan Foundation	
43.	Pr: Masood Ahmed	Povan Foundation	
44.	Mohammad Ayoob	NCAW	
45.	Mr. Tarique Talpur		Chairman
46.	Nisar Sial	RDF	PC
47.	Dr:Zaifan halil	MUET	Professor
48.	Ms.Amber laghari	LBG	
49.	Dr: B.K. Lashari	WSIP-I SIDA	Assistant Engineer
50.	Ms.Naseem Akhtar Panhawar	LBCAW SIDA	Assistant Manager
51.	Dr. Hussain bux	G 3 E C	Team Leader
52.	Anwar Ali		Landlord

Facilitator:

Dr. Hussain Khan Mari
MDC

Group Leader

Asadullah Kazi
Environmental, Geoscientist



REGIONAL PLAN PHASE II – SOLUTIONS FLOODING GROUP

AWB NARA canal

Venue: Indus Hotel, Hyderabad

Date: 29-12-2011

Sr. #	Intervention proposed by the stakeholders اسٽيڪ هولڊرن طرفان تجويز ڪيل مداخلتون	Ranking by the stakeholders اسٽيڪ هولڊرن طرفان تجويز ڪيل درجابندي	Concurrence by the stakeholders اسٽيڪ هولڊرن جي طرفان ڏنل تجاويز	In case of disagreement additional/alternative intervention suggested by the stakeholders اتفاقي راءِ نه ٿيڻ جي صورت ۾ / اسٽيڪ هولڊرن جي طرفان ڏنل تجاويز	Reasons for rejection of the proposed solution تجاويز ڪيل حل جي خارج ٿيڻ لاءِ اسباب	Group leader signature
1.	Diversion of storm water from LBOD to Thar area برساتي پاڻي کي LBOD کان ٿراري علائقي ڏانهن موڙڻ	7	Yes you can do this and you have also Shakoor lake			
2.	Construction of 1 Km long bund from Tidal Link. ٽائيڊل لنڪ کان 1 ڪلوميٽر ڊگهو بند تعمير ڪرڻ	6	Yes this will also provide good results			
3.	Plantation of mangroves belts along Tidal link سامونڊي طرف ٽمر جي وڻن جي وڻڪاري ڪرڻ	5	Yes this is important and will provide good results in flooding.			
4.	Construction of channel from KPOD side for water diversion to wetlands پاڻي کي Wetlands ڏانهن موڙڻ لاءِ KPOD طرف چينل تعمير ڪرڻ	9	There is no outfall of LBOD. So it will create problems. Punjab wants to drown district Badin and will make Badin coastal area. Therefore, we suggest rehabilitating things. The gates of LBOD should be automated which will help the gates to open automatically. Proper implementation should also be ensured			
5.	Construction of spillway to release	8				



	water from wetlands تلاء / ڏينھن جي طرف کان پاڻي ڇڏڻ لاءِ اسپل وي تعمير ڪرڻ		Yes we agree on this			
6.	Diversion of flood water upstream Sukkur Barrage	3	The left bank of river Indus is heavily populated so extra care should be taken while doing this intervention.			
7.	Second line of defense for Indus bunds from Hyderabad to Thatta - Sujawal bridge سنڌو دريا جي ٻنڌن جي بچاء لاءِ	4	If we have 2 nd bunds then we can stop floods and losses as well.			
8.	Construction of raised platforms to protect people and livestock ماڻهن ۽ جانورن جي حفاظت لاءِ اوچائي وري زمين تي تعميرات ڪرائڻ	1	This is top most important in flood condition the poor people have no way to escape.			
9.	Construction of earthen embankments to protect villages from sea intrusion/ tidal effects in coastal area سامونڊي علائقن جي ڳوٺن جي حفاظت لاءِ مٽيء جا بند تعمير ڪرايا وڃن ته جيئن سامونڊي اثرات کان بچي سگهجي.	2	This is also important. The coastal road should be made and it should be on height so these provide easy access and also stop from sea intrusion.			

Additional comments:

- 1- Raising of LBOD/BUND paths and destroy of the same.
- 2- Removing encroachment.
- 3- Appropriate structure construction and maintenance of the system.



Members of Flood Group

Date: 29-12-2011

AWB NARA canal

S. No	Name	Organization	Designation
1.	Dr: Noor-ul-Huda pirzada	PFF	S.O
2.	Quratulain Ghoto	PFF	H.H.P
3.	Shabir Doudani	Friends Foundation	P.O
4.	Awais Otho	SRSP	M&E
5.	Farooq Kumbhar	SRSP	
6.	Rozina Palkio	Friends Foundation	D.Coordinator
7.	Mohammad Fazal Memon	BMCE	DE
8.	Moule-Ubedulla	WWF-P	

Facilitator:

Mola Bux Malah
MDC

Group Leader

Muhammad Fazal Memon
BMCE, DE



REGIONAL PLAN PHASE II – SOLUTIONS DEGRADATION OF ENVIRONMENT AND NATURAL RESOURCES

AWB NARA canal

Venue: Indus Hotel, Hyderabad

Date: 29-12-2011

Sr. #	Intervention proposed by the stakeholders اسٽيڪ هولڊرن طرفان تجويز ڪيل مداخلتون	Ranking by the stakeholders اسٽيڪ هولڊرن طرفان تجويز ڪيل درجابندي	Concurrence by the stakeholders اسٽيڪ هولڊرن جي طرفان ڏنل تجاويز	In case of disagreement additional/alternative intervention suggested by the stakeholders اتفاقي راءِ نه ٿيڻ جي صورت ۾ / اسٽيڪ هولڊرن جي طرفان ڏنل تجاويز	Reasons for rejection of the proposed solution تجاويز ڪيل حل جي خارج ٿيڻ لاءِ اسباب	Group leader signature
	Mangroves تمر جا وڻ					
1.	Protective plantation of mangroves in coastal area سامونڊي علائقن ۾ تمر جي وڻن جي حفاظتي / محفوظ وڻڪاري	1	The Group leader said that I have visited area of tidal link, I have not seen mud there and mangroves can only be planted in mud fields. Therefore, mangroves should only be planted in areas of mud field. In areas where no mud other trees like <i>khobar</i> , <i>kirar</i> should be planted. Note – The group leader said that we have given separate priority for each group.	-	-	
	Fisheries ماهيگيري					
2.	Shrimp and mud crab culture in coastal areas ڪيڪڙن ۽ ساني جي ڪلچر کي ساحلي علائقن ۾ برقرار رکڻ	1	We agree on this	-	-	
3.	Introduction of brackish water fish in LBOD system area ڪاري پاڻي جي مڇي جو تعارف سم نالو سسٽم ۾	3	We agree on this conditionally that prior doing this water quality should be tested. Because there is likelihood of some heavy metals in the water. So our consultants should water testing 3 times and based on results	-	-	



			this intervention should be implemented.			
	Forest جنگلات					
4.	Conjunctive/cyclic use of drainage water for forestation in forest and farmlands گندي پاڻي کي جنگلات ۽ زمين جي آبادي لاءِ قابل استعمال بڻائڻ	1	We agree on this but with the condition that it should meet on Standard European rules on agriculture. The water quality should be maintained. Cyclic use can also be done provided it doesn't disturb the environment.	-	-	
	Water Scarcity – Land Degradation گهٽ پيداوار واري زمين - پاڻي جي کوٽ					
5.	Promotion of bio saline agriculture for raising salt resistant crops and trees in Kotri Drainage Basin ڪوٽڙي جي علائقي ۾ اهڙا وڻ ۽ فصلن جي پوک ڪرڻ جيڪي لوڻيائي زمين ۾ پيداوار ڏئي سگهن	1	We agree on this intervention provided that our consultants should workout solutions in both conditions of dry season and floods.	-	-	
6.	Revival of Wetlands ڍنڍن / تالابن جو وري قابل استعمال	1	We agree on this.	-	-	
Additional comments: Following issues are not addressed. 1- Wet lands revival methods 2- Indus delta 3- Degradation of Forests 4- Industrial Solution 5- Domestic wastewater treatment methods.						



Members of Environment Group

Date: 29-12-2011

AWB NARA canal

S. No	Name	Organization	Designation
1.	Dr. Rasool Bux	IIEM(MUET)	-
2.	Iftakhar ahmed Arain	Forest Department	D.F.O Hyderabad
3.	Ghulam Shabir Marri	Agriculture	A.O Agri:Ext:Matari
4.	Hussain Bux Siyal	Fisheries Department	D.Director
5.	Azad Mirwahi	PFF	S.M
6.	M.Asam Panhwar	Peace Foundation	P.M
7.	Prof:Abdul Rashid	SIDA Board Member	Assoc:Professor CivilEngg:
8.	Rasheed Chuto	SAFWCO	Focal Person WASH
9.	Nusrat Noor	SAFWCO	Training Coordinator
10.	Sakina	Hamdam Foundation	Program Officer

Facilitator:

Ghulam Qadir Arbab
MDC

Group Leader

Dr. Rasool Bux
Mehran University



REGIONAL PLAN PHASE II – SOLUTIONS SOCIO-ECONOMIC AND INSTITUTIONAL

AWB NARA canal

Venue: Indus Hotel, Hyderabad

Date: 29-12-2011

Sr. #	Intervention proposed by the stakeholders اسٽيڪ هولڊرن طرفان تجويز ڪيل مداخلتون	Ranking by the stakeholders اسٽيڪ هولڊرن طرفان تجويز ڪيل درجابندي	Concurrence by the stakeholders اسٽيڪ هولڊرن جي طرفان ڏنل تجاويز	In case of disagreement additional/alternative intervention suggested by the stakeholders اتفاقي راءِ نه ٿيڻ جي صورت ۾ / اسٽيڪ هولڊرن جي طرفان ڏنل تجاويز	Reasons for rejection of the proposed solution تجاويز ڪيل حل جي خارج ٿيڻ لاءِ اسباب	Group leader signature
1.	Disaster Crisis Management Unit in SIDA سيڊا ۾ ڊزاسٽر ڪرائيس مئنيجمينٽ يونٽ قائم ڪرڻ	3 rd	We have no objection on any intervention. We have changed the priority and given some suggestions. Disaster unit should be done in coordination with PDMA. Local farmers should also be made partners.			
2.	Preventive maintenance program for SIDA within canal commands of AWBs پروينيو مينٽيننس پروگرام فار سيڊا ۽ AWBs جي انتظام هيٺ ڪئنالن لاءِ	2 nd	Social awareness should be created so we own our system and don't destroy them.			
3.	Establishment of drinking water – water treatment plants/units by relevant agencies لاڳاپيل ايجنسين جي طرفان پيئڻ جي پاڻي ۽ پاڻي کي صاف ڪرڻ جا يونٽ يا پلانٽ لڳائڻ	1 st	There should be proper monitoring system to monitor the water quality before and after.			
4.	Wastewater treatment at source by concerned agencies لاڳاپيل ايجنسين جي طرفان گندي پاڻي کي استعمال لائق بڻائڻ جو ذريعو پيدا ڪرڻ.	4 th	Wastewater treatment should be done both for city drainage water and industrial wastewater and then used. There should also be inter - provincial accord like IRSA on water coming from Punjab. Inter provincial accord on wastewater should be implemented.			



Additional comments:

- 1-Establish Disaster Crises Management in SIDA but must be involve local community. Capacity building of Community Persons should be done regarding Crisis Management along with involvement of Gender participant.
- 2- Creating proper awareness regarding the ownership of system.
- 3-Enter provincial drainage Accord may be introduced. Disaster Crisis Management most coordinates with PDMA and NDMA. Create a monitoring committee for drinking water treatment units including local participants. Monitoring before and after installation regarding quality as of quality water.
- 4- Human waste water and industrial waste water must be treated before using. All interventions must be implemented with participation of all stakeholder.



Members of Socio-Economic & Institutional Group

Date: 29-12-2011

AWB NARA canal

S. No	Name	Organization	Designation
	Aslam Memon (GL)	PARC	Scientific Officer
	Bashir Ahmed Kerio	Agri:Ext:Department	Director Plant Protector
	Turab Ali Aradin	Simini Minor	chairman
	Dr:Syed Ausaf Abbas	Animal Thusbandry	Veterinary Officer
	Dr: Muzaffar Memon		D.D Poultry Matiari
	Tariq Iqbal Soomro	DRIP	A.D
	Ayaz Ali Oghai	SDS(NGO)	Admin Assistant
	Abdul Sattar Pirzada	NPIW(WM)MPS	Engineer
	Muhammad Umer	USDF	Director HR
	Muhammad Ali	CSSP	Program Coordinator
	Erum Syed	BRC	Project Coordinator
	Bilawal Ali	SDS	SDS(Member)
	Zakir Ali	SBS	SDS(Member)
	Dr:Ali Muhammad	PARC	PARC

Facilitator:

Dr. Yameen Memon
MDC

Group Leader

Aslam Memon
Scientific Officer, PARC

ANNEXURE XVI:- WSIP-I PHASE –II WRAP-UP NATIONAL WORKSHOP KARACHI

Venue: Avari Towers, Hotel, Karachi

Date: January 14, 2012

Number of Total Participants: 82 participants

Number of women participated: 10

Arrangements:

The Karachi workshop was a wrap up of 15 workshops conducted in the Phase II of the Project. The main purpose of the workshop was to share findings on problems and solutions suggested by the stakeholders in phase-I and phase-II of the Project. The workshop was facilitated by Dr. Anwar Ali Baloch, Consultant, LBG & IAC and Ms Draga (Dragica Veselinovic), Sociologist, LBG. The programme started on 10.45 am with recitation from Holy Quran.



Zahid Junejo, Project Director, SIDA

“Thanks for giving me this chance to share my views. In previous 2 years, we have seen 2 major floods; one from river Indus 2010 and 2nd from rains in 2011. Both floods destroyed to a larger scale but this was also a blessing as well as we could see all in reality so we should rethink all our efforts and plan accordingly. We had seen many problems by disposing water from Badin. Honorable Member Water was with me when visited the area. We saw that LBOD was working very good. Instead of designed discharge, it was taking about 8000 cusecs. So, we need also to address the issue of LBOD.



We need to open the waterways and we also need that flood early warning should also be in place to reduce flood losses. As for as delta and coastal zones are concerned, I would suggest that we should emphasize to check on sea water intrusion, the environmental issues of delta. We also need to have some reforms and the technical people will better let us know in their presentations today that what should be done on coastal zone. This is very important because the sea is intruding very fast and I would suggest if some structural and non structural changes are implemented here. I forgot that I welcome all of you being here from the core of my heart and I wish this workshop will be a successful and many things which are in the minds of the common people that LBOD is devastating, will be cleared. Because, in my opinion, if LBOD had not been there, then where we would have taken the flood water? This is very important. Anyways, we should reconsider, re-align and rethink LBOD and we should also reconsider other options such as storage of water and other ways to dispose the water in the sea. I will not take much of your time and I welcome you all again. Thanks

Opening Remarks by Dr. Fateh Muhammad Marri, Project Coordinator, WSIP

I start in the name of Allah. Thank you very much Baloch sahib, honorable advisor to Chief Minister, Shah Sahib from WAPDA, PD WSIP, Dr Carlos, Dr. Sikandar Mendhro, Nazeer Memon, Mustafa Talpur, all other participants. Assalam-o-alikum and good morning to you. Today I will congratulate SIDA and team LBG & IAC in assisting WSIP in preparation of master plan. SIDA has set an example of participatory approach by consultative meetings at all levels with local community, technical consultants, and all other stakeholders. We have flooding problems on the left bank of the river Indus and people mostly discuss on these issues. The floods of 2010 has also indicated that we need flood management, therefore, there is need of flood management system. The recent floods have devastated life.



The most important thing to me is to secure human life and we have many cities, towns and villages on the left bank. If we don't have proper flood and drainage management system, then we will have to suffer from these floods. So, the foremost thing is human security. Second thing we have to protect our infrastructure and that infrastructure is schools, bridges, and health facilities. So, our second priority is to protect our infrastructure. And I think before protecting infrastructure we must also protect agriculture as it is main source of livelihood in rural areas. So we expect and hope that flood management system made under this study will address all issues on floods in future.

Serious actions are needed to resolve structural and non-structural issues. We have seen devastations in floods and government /public tried to control on the same but lot more is needed to be done. So we hope that these issues will be resolved through this study. Around 10,000 people have been consulted by the team of LBG & IAC during their consultative process. I welcome again all the participants and hope that we will have meaningful dialogue today and request all of you to share your opinion freely and honestly to reach on long lasting solutions.

Madam Dragica Clarified for the participants

Once again I welcome you all and this is really a big presence here today. We have met with 8567 people until now; we went to around 231 villages, we conducted 34 workshops plus community consultations. So, this is a wrapping up of all those consultation. I just wanted shortly to say that today we will have three presentations:

- | | |
|------------------------------|--|
| 1. Introduction | - Dr. Carlos, Team Leader, LBG & IAC |
| 2. Pre-Feasibilities studies | - Dr. G.R Keerio, Consultant LBG & IAC |
| 3. Dhoras | - Khadim Hussain Sufi, Consultant, LBG & IAC |



After these presentations we will give you as much time as you need for discussion. We put in programme 90 minutes; no problems, we can stay here as long as you stay. You are welcome and your opinion matters to us and to the stakeholders in your community from the project area. I will request when you share your opinion, please take 5 to 6 minutes as we want to be fair with everybody else in the workshop and want to give chance to others as well. So, I hope you won't mind this. I think now we have to proceed to our presentations as it will be very hectic day. I will like to invite Dr. Carlos to give first introduction.

Presentation – I: Introduction of the Project by Engineer Carlos, Team Leader, LBG & IAC

The Team Leader thanked all the participants by attending the workshop. The Team Leader highlighted on all important issues since project initiation and progress taken place in phase-I and phase-II. He informed that Louis Berger Group Inc. (LBG) is an American consultancy firm. LBG in association with Indus Associated Consultants (Pvt) Ltd. signed contract agreement with Sindh Irrigation and Drainage Authority (SIDA) on 5th march 2010. The project duration is 36 months. After giving brief intro on the project, the Team Leader explained important aspects of the project. The main issues briefed by him are placed below:

- Sindh Water Sector Improvement Project Phase-I (WSIP-I)
- Three Pillars of the Country Assistance Strategy
- WSIP-I Components
- Master Plan Strategy
- Phased Development of Regional Plan
 - Phase – I of the Study
 - Phase – II of the Study
 - Phase – III of the Study
 - Phase – IV of the Study
- Methodology
- Consultations with Stakeholder
- Why We Are Here Today?



After giving introduction to the project, he also explained in detail about the ranking of solutions as suggested by the stakeholders. While defining the ranking system he has shown different sample tables for ranking matrix for each scheme and their ranking by component in order to facilitate the participants to understand it well. He clarified to the participants that detailed explanation of the ranking system is important for proper understanding of the presentations of Dr. G.R Keerio and Engineer Sufi..

Presentation – II: Environmental Issues & Solutions by Dr. G.R Keerio, LBG & IAC

Dr. G.R Keerio gave detailed presentation on environment related problems and their solutions. The presentation included discussion on:

- Revival of Dhand System
- Revival of Coastal Wetlands
- Aquaculture (Shrimp Farming & Mud Crab Culture) Development in Coastal Areas
- Introduction of brackish water fish in LBOD system
- Transition of Freshwater Tube wells
- Rehabilitation of Saline Tube wells
- SIDA Disaster/Crisis Management Unit & Control Room
- Second Line of Defense for Indus River Bunds
- Water logging and Salinity (Ghotki Saline Project)



With each of the issue he explained in detail the importance given to it by the stakeholders during the consultative process. The main components of consultation on each issue were

social, financial, environmental and socio-economic. The stakeholders were asked to rank their importance / need as “Very High”, “High”, “Medium” and “Low”.

Presentation – III: Engineering Aspects of Proposed Intervention By Engineer Khadim Hussain Sufi from LBG & IAC

Engineer Khadim Hussain Sufi gave detailed presentation on engineering related aspects with detail on problems and suggested solutions based on community consultations. The issues & solutions discussed are:

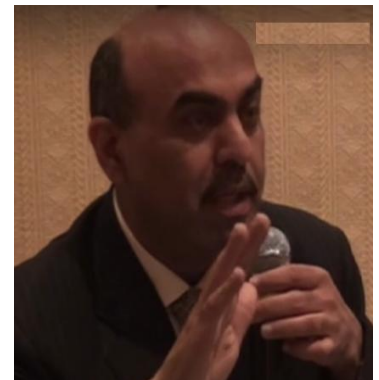
- Short Term structural and non-structural Solutions
- Long Term structural and non-structural Solutions
- Construction of Elevated Platforms for Displaced Persons in Flooded Areas
- Revival of Dhand System
- Revival of Natural Waterways (Dhoras)
- Diversion of LBOD Storm Water to Thar Area
- Rehabilitation/ Improvement of LBOD outfall System KPOD, DPOD Tidal Link



He showed arial maps taken from Google maps covering issues highlighted above. He also briefed the participants about the consultation with stakeholders on these issues and their feedback / ranking in relation with social, financial, environmental and socio-economic issues. He explained to which aspect the stakeholders ranked as “Very High”, “High”, “Medium” and “Low”.

Naseer Memon, CEO, SPO

I will take few moments. Thank you for detailed presentation. I will call it bombardment of information. I wish that documents that have been given to us have too much detail and it is not easy to comment on them here and proposals shared in the presentation. I feel that the consultants have done great work but we cannot say yes or no to these solutions and documents just looking at them in one hour. However, I recommend that a panel of experts to be nominated by government of Sindh and other consultants should visit to the sites (if LBG can take little more trouble). These people should be taken to the sites and see actual ground where your suggested solutions will take place and also meet with local community for their views.



If it is convenient and possible then please do it as we will only be able to agree with suggested interventions. So this is my humble request. Why I am asking this because we are suffering from 2 decades because of LBOD plan. We have lot of colorful presentations with fantastic documents but at the end of the day, these ended with disasters. So I am afraid, if anything goes wrong, may after another decade we see another disaster and people sitting here today will be responsible for that.

I think, the last year’s floods were real test of LBOD. Because, after the LBOD was constructed, it was continued drought and LBOD has experienced this much level of rain once after its construction. This has unfolded the challenges faced by the LBOD. Therefore,

whenever you are proposing another master plan for drainage, please keep these learning in mind. Everybody is talking about LBOD, but nobody is talking about maintenance of LBOD. It was not properly maintained. Once WAPDA handed over LBOD to Sindh government, what is the status of maintenance of LBOD? The larger level of damages was occurred mainly because LBOD was not efficiently and professionally managed by the government of Sindh. Therefore, when another massive system of drainage would be placed in, then who will take its responsibility?

If these fundamental issues are not addressed then we will again end up with misbehavior of Tidal and LBOD; so please keep in mind how these issues will be resolved. How the quality of poor infrastructure will be addressed and who will guarantee that the damages will not happen again in newly proposed structure. The diversion proposed for Thar seems very good but we need extra care; either it may create problems for the community or benefit them. The platforms to be made of IDPs are also good from engineering point. But how many platforms are to be constructed how much amount to be spent and in case if there is no any flood in next 5-6 years, who will occupy these platforms? The political parties in these areas have their own priorities; therefore, we need genuine and firm political commitment to resolve the issues.

We know that people have blocked water ways and living there since many years, this is a fact right or wrong but they are living there. So we will need a detailed study that how many people will be evacuated from those waterways? I am in favor of clearing these waterways but we also need proper home work for that.

Before I say last thing, please apologize me for being blunt and putting it in a nasty manner. We are proposing huge plan and billions of dollars would probably flow in, and hence, I would ask is the government of Sindh including political leadership and the administration are they willing to surrender their part of their commissions? Because we know that more money means more corruption. And who will really determine that the more money will actually benefit the people or else.

Zahid Bhurgri, F.O Chairman

My village is just 13 meters away from LBOD and I have seen the real havocs of LBOD with my own eyes. I am witness of performance of the LBOD. Whatever, I share today with you is the practical things which I have seen not from Google or anything else but I have seen all those from my own eyes. First of all, I would say that it would not be fair if we don't talk about the positive role of President of Pakistan. We met with Mr. Asif Ali Zardari, the President of Pakistan at the Bilawal House. The honorable President was very much concerned about the LBOD and also concern shared by honorable Minister Jam Saifullah Khan Dharejo sb is also appreciable.



The current situation is that 3 months have passed after the rain and nothing have been done so far and next rainy season is closer to us. But unfortunately nothing practical has been done so far. Director Nara Canal was with us when we were trying to cover banks of LBOD with sand bags. This will also be unfair if we don't appreciate the positive role played by SIDA and the role of MD SIDA, Mr. Ehsan Leghari and Director Nara Canal Mr. Ghulam Mustafa during the recent floods. I have seen these people working untiringly to control the flood

situation. I am also chairman of FO and people came to me with complaint of flood water in the morning and when we went on LBOD at around 4.00 am, we saw Director Nara Canal standing there and supervising the flood control efforts.

LBOD is totally silted now and its de-silting is needed on top priority basis because July is very closer now. We appreciate the efforts of LBG and everybody but we don't need long planning but need actions that we need now and de-silting need to be started from today. Because we have seen miseries of the people, so please order for de-silting right from this hour. When you start de-silting, we have to raise the banks of the LBOD on both sides and I will also say that these banks should motor able because in case of any breach, how you will reach to that point. Therefore, if the banks are motor able then this problem can be resolved. RD 350 to RD 290, these are 60 RDs where maximum breaches have been seen and these breaches have damaged this area. There were around 37 breaches in these 60 RDs and maximum de-settlement was done due to damages by these breaches in this area.

In order to solve problems related to LBOD a separate XEN should be posted with full responsibility of LBOD alone without other duty in Irrigation department. This way, he will be responsible to the issues related to LBOD and it is expected that it may yield good results. Tando Bago area was also big sufferer and this was also due to 2 obstacles and these obstacles should be removed to resolve the problems of this area. In the last, I will again request for action, because if we don't take action now then we will be big sufferer. Because, it is forecasted that next 10 years are wet years. Therefore, we should take every possible preventive measure without wasting further time.

Major ® Umer Farooq, F.O Chairman/Member LBOD

I am satisfied with the presentation and from my point of view all important issues have been taken care of in the presentations. I appreciate the whole team of LBG group for doing such a great work. There is one problem with LBOD project. In my opinion LBOD was initially taken care by World Bank Consortium, then WAPDA, then Government of Pakistan, then Government of Sindh and now with SIDA. Unfortunately, there is no ownership of this project. LBOD is used for the sake of project and it is thrown away. Therefore, ownership of LBOD should be ensured so one can be made responsible in future to manage and monitor the LBOD, because the ongoing project is to address the issues of LBOD. I would also like to point out some issues on irrigation and drainage system and the Minister who is also chairman of SIDA is here. Participatory approach is required to implement because billions of rupees are to be spent and this needs extra care in proper management, implementation and monitoring for smooth working of the project.



Zulifqar Halepoto, Advisor, Thardeep

Today we have many people here, so I think we should take minimum time so everyone can share their opinion. I will repeat my comments that I shared in Hyderabad workshop. Everybody knows the disasters done by LBOD, so there is no need to repeat and faults



in design of LBOD etc. In my opinion, we have to see this project in scenario of 18th amendment. What is the situation of drains coming from Punjab and other parts of Pakistan? So I have serious suggestions about drainage water of other provinces coming to Sindh. Therefore, in my opinion like 1991 water accord, there must be inter-provincial drainage accord, because Sindh cannot take the burden of drainage.

The other thing I am concerned about is that how different ministries like agriculture, water, health and other ministries will interact with each other for this project? We have seen many consultations and their results and this is not an issue of project but this is issue of life and death of Sindhi society. Therefore, I have humble request that there should be a committee of the people from local areas to engage them in these issues. The Irrigation Minister should be part of this Committee and the final report of this project should be weighted by this committee. And one last thing I will also suggest that in future consultations with local community, the local language should be used in the published material or the presentations which will help the local people to understand and participate well in the consultations.

Muhammad Hashim Leghari, Chief Operating Officer SRSP (Ex-M.D SIDA)

The basic issue should be clarified. At Hyderabad conference I suggested that the flow of saline and fresh water should be separated. One of the failures of LBOD is that we connected dhoro puran with LBOD and that was a disaster. So in those days, we initiated a PC-1 namely restoration of Dhoro Puran. The concept is this that the fresh water being separated and used for drinking and irrigation purposes. But I understand from today's proceedings that again we are going to make same mistake and this will be another disaster. People say that it has only capacity of 4,000 cusecs and it is very right and this was mistake committed by WAPDA where surplus water was supposed to be drained by LBOD and no storm water or rain water was kept in view at that time. So we are going to make this mistake again by intermingle both flows with each other and in my opinion this should be separated and it will benefit us and our area and even it can be used for cropping in Thar area.



The other issue is regarding highly saline tube wells in the area of honorable Minister. I as MD SIDA went to DHQ to this case regarding SCARP-VI project which is polluting whole area and Rani Canal is also being polluted and this water is coming from Punjab. After discussion held that DHQ, the army officers told that even Punjab is disturbed but it not been stopped. There is suggestion that we should stop all those tube wells which are highly saline and provide a surface drainage and shallow drainage to resolve the issues.

The other aspect is regarding LBOD because this study is being done for left bank and we witnessed big disasters in last floods of 2010 whereby Sukkur barrage and Guddu Barrage was in danger. There was no escape except Unnar escape on River Indus which is small escape and constructed by Britishers during their pre-partition rule. Similarly, if there was an escape on left bank of river Indus we could have used that water in the desert and we would have saved the lives of the people and protected our structure. I strongly suggest closing all these highly saline tube wells.

Anwar Ali Siyal Director GFCAWB

I also agree with Muhammad Hashim Leghari because as of my knowledge around 28,000 acres of land of Punjab has been destroyed by SCARP-VI and it is also creating seepage problem and destroyed around 15,000 acres of fertile land in Ghotki area. I also requested Mr. Sufi to include this matter in the issues to resolve and Ghotki feeder area water board should also be thoroughly be investigated in the drainage system. We have little drainage system in Ghotki as we have Karo Naro, we have also prepared PC-1 for Udhero drain. So keeping in view these factors and losses caused by the industrial water coming from Punjab, we should request Punjab government to take pre-cautionary measures to stop flow of industrial waste water and we also request LBG team to look for the solution of this serious problem.



Jamil Junejo from Pakistan Fisherfolk Forum

Pakistan Fisherfolk Forum (PFF) **will submit its opinion on the issue of LBOD in writing.** But I would also like to share some of our concerns that our sea and delta has been destroyed environmentally. Industrial waste water is going into the sea through LBOD, however, the industrial waste water is supposed to be treated before it is drained in the ocean. According to UN convention on human rights, we should also consider the community living in coastal areas. PFF is clear that we don't want industrial water from Punjab and every province is responsible to treat their industrial waste water into their own province and Sindh is not responsible to make any treatment plant for treating waste water from other provinces like Punjab. We are afraid that you will link this LBOD plan with Punjab and all water from Punjab will flush out Sindh and Indus delta further. I will also request to please share documents of these studies in local language before implementation and share with local people well in time so they can also give their feedback. Transparency should be ensured in the implementation of the project.



Additional Comments received by Jamil Junejo, through email

PFF comments on the Regional master Plan phase-2 study

Dear Concerned,

With reference to the consultation meeting held in Avrai Tower , PFF wish to extend its its comments on the Regional master Plan phase -2 study in particular and on overall plan in general.

General comments / views of PFF:

1. PFF, in principle, is against the Multi lateral Development Banks and IFIs. It firmly believes that the project supported by MDBs and IFIs virtually trap the countries in

- vicious cycle of debt that a common man has to pay into various gruesome forms. Further, such projects bring horrendous implications for climate, environments, bio diversity, marine life, Rivers eco system.
2. PFF has long been demanding that LBOD should be decommissioned rather than to be improved. Therefore, the proposed activity of improving the LBOD will prove more awful for the people of Coastal area.
 3. The Master Plan carrying various structural and non structural measures will be destructive even more than LBOD. Because, the structures proposed to be constructed made under plan are doomed to be collapse and virtually fail in the back drop of deeply entrenched culture of poor maintenance and operations in Pakistan coupled with culture of corruption, embezzlement, and nepotism.
 4. The document has measured the all proposed intervention in terms of monetary benefits. It fails to consider and bring the marine life and bio diversity into scope of its study. The soul criteria of proposed activities apparently seem human security; it exclusively neglects the security of marine life and bio diversity that is also integral part of this globe. This is the reason that document doest carry the interventions like treatment of waste water before it is discharged into sea.
 5. Every district and province is responsible for its own Drain. Therefore, the drain of every district and province should be recycled and used for the various purposes within the district and province as the case be.
 6. It is against the national and international laws of bio diversity and environment to discharge the industrial effluent into any water body without being properly treated. Therefore, measures should be taken to treat the water of LBOD that carries industrial effluent along with saline and water logged water until it is decommissioned entirely.
 7. All documents of project are supposed to be translated into local languages and shared with concerned community before the any reports are finalized.
 8. The concerned community especially coastal people whom PFF represents, should be properly oriented about the project documents and accountability mechanism, safeguard polices of World Bank and its public communication policy of World Bank so as to ensure the proper, effective and participatory designing, implementation and monitoring of the project, if approved by community its representatives.
 9. The second phase study of master plan indentifies just inlets of drains but not outlets. If LBOD converted into Tharparkar as proposed, where water will be ultimately disposed off without affecting human settlements and environment, climate and flora and fauna.
 10. One of the measures suggested in document is to provide drainage of saline and storm water to the areas where no such drainage exists. If means that more drain will be discharged into delta that will bring more destruction.

Component wise comments:

Rehabilitation/ Improvement of LBOD outfall System KPOD, DPOD Tidal Link

Rehabilitation of spinal drain and KPOD:

All the structures proposed to check the sea intrusion at KPOD will collapse because it is deltaic area which is made of soft slit. The structure would not withstand the strong tidal currents.

Reactivation of more than a dozen natural waterways (dhoras)

The Plan intends at removing all the bottlenecks in the shape of small culverts, encroachments and blockages by canals / drains, sedimentation and remodeling wherever required.

It should be kept in mind that the dhoars has been encroached by human settlements form the years legally or illegally, rightly or wrongly. How would you rehabilitees them after their displacements. So the document is short of rehabilitation program of such human settlements. These Dhoras should be activated but with the proper and comprehensive mechanism and approach.

Remodeling of DPOD to at least 4,000 CFS

How will you now divert water to Shakoor dhand .Because world bank and LBOD authorities have always been extending easy and probably lame excuse that its diversion will invoke anger and objection of India.

Remodeling of Nawabshah, Sanghar, Mirpurkhas components of LBOD

Diversion of LBOD Storm Water to Thar Area:

- Where water will be diverted. How it will be insured that it doesn't incurs losses and damages to human settlements, environment, climate, and flour and fauna.
- Proposed Bio saline agricultures in Tharparkar area through saline water of LBOD will spoil the climate, soil conditions of the and will bring destruction for natural lakes, beautiful dhands, natural grazing fields, herds man, traditional social and cultural bonds and agricultural land.

Protective Plantation of Mangroves in the Coastal Areas of Badin and Thatta Districts

- The previous experience shows that such initiatives from government authorities lack participatory approach. As a result the initiatives fail miserably. The Mangroves plantation by Costal development authority through an ongoing project on costal area of Badin and Thatta has claimed plantation of the mangroves. But those mangroves have been extinct. They did not involve Fisherfolk in the overall process.
- Secondly, your documents read that this initiatives aims at reduction in coastal erosion sea water intrusion. It seems you deceptive approach. The sea intrusion in Delta is due to lack of fresh water flow downstream. A minor initiative could not save cost form sea intrusion.
- Thirdly, according to document this initiative will be taken under clean development mechanism to provide carbon Credit which will be owned by the Government and will be used for other CDM projects. PFF is against this carbon trade. Climate should not view from prism of trade or as a commercial commodity. This seems faulty approach.

Introduction of Brackish Water Fish in LBOD Drainage System (Nawabshah, Sanghar, Mirpurkhas and Badin Districts

Fish species introduced in not only saline but poisonous water of LBOD will bring harm to health and will spoil the genetic pool of fish.

Mustafa Talpur from Water Aid, Islamabad



The comments that I made in the first consultation, I don't see the reflection of those comments in the first report. I would say if you have consulted 8700 people then please delete my name from those names because I know the politics of consultation and I don't want to be blamed if something happens wrong from these consultations. Really, I don't see any process, how the decisions are made? When you have this workshop, you consulted the people and don't reflect that consultation in the report and someone comes from Washington DC and report is signed. You attached names of these 50 people as the sheet of participation; I don't feel that this is true consultation.

Four important points are made in the presentation. One I would say that after the 18th amendment as pointed out by Zulfiqar Halepoto who will be responsible to take actions. For faults of LBOD we will not blame WAPDA as SIDA is now responsible. Around 25 years people from Badin suggested many things and some of them are still alive and today whatever is being suggested in the presentation are the solution that people suggested from Badin 25 years before. So the point is that why these were not considered at that time? I am surprised to see that who suggested making solutions by taking maps from Google earth and just putting yellow, blue line that this is deserted area and there are no people, no ecology and no culture and just the drains are passing through.

I make the clear point that we need to fix the responsibility, as if you make a mistake, after 10 years you again make another infrastructure and nobody is responsible. This is important point to be considered. In terms of cost benefit analysis of the project some will be benefitted and other people suffer loss from the same project. So there is important thing to workout equity that who is benefitted and who has suffered loss. If the entire Sindh is benefitted from this project but if Badin, Thatta and delta is suffering loss then people who are getting benefit should compensate the people who are losing from the project and this is basic equity principle.

Left bank of Indus is not a homogeneous ecological zone that you make a plan and succeed in entire zone. Therefore, we need to try to understand and work on decentralization of solution on drainage problems. Therefore, in my opinion, we need to address on 3Es: as I say Equity should be the basic principle of any development intervention, Ecology on which we depend and then the Economics. The drainage issues should be looked in overall picture not like this drain that drain or dhoru. We need to link them with climate change and social behavior. Again, I would like to mention the example of spinal drain in Mirpurkhas as we were working there. When there was a flood, people immediately cut it to save the chilly crop; this means we don't consider the behavior of the people while making any plan of the project. I don't see that proposed solutions are based on these grounds. And in my opinion they were not asking right questions while the consultation process. If you don't ask right questions then you will move somewhat different position. As I see, that these solutions are based on expansion of the system but the main challenge I believe is the management.

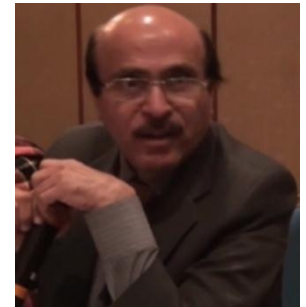
Engineer N.M Memon

I will give brief comments as I came from very nearer point in Karachi so I will give chance to others. I am concerned about institutional arrangement of Dhoras. Extensive encroachment have been made in dhoras and this need action. The consultants have made detailed survey and suggested good solutions. I am concerned that who will be responsible to clear the dhoras from encroachment. I am not sure the consultants have looked into this or not. Presently, I understand that Revenue Department is responsible for dhoras but I am not sure. Maybe consultants will respond on this.



Dr. Ghulam Hussain Baloch, Consultant MDC

Apart from other issues what I have understood is that while addressing the issues and making solutions we should have to look at the problems. My concern that I want to convey to honorable Minister and other participants present here is that while making future plans, we should also look at the issues of safe drinking water, social impact, and health issues in flood affected areas. There should be inter-related approach to address these issues. Population increase is also one of the main issues and we can see that the dhoras are encroached due to population increase. So in my opinion, all such elements should also be kept in mind while making any mega project planning.

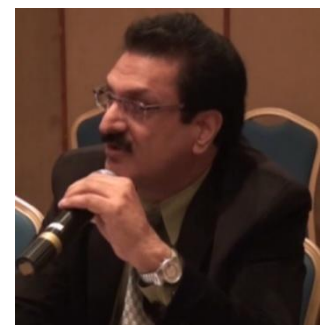


Additional Comments Received from Dr. G.H Baloch through email

The presentations given by experts reflected the background of the project which included the possible solutions as well. While addressing the issues and possible solution, it is imperative to look all aspects related to this mega project. These issues which include public health issues should be appropriately addressed. Health status of the people especially during disastrous situation should be given high priority. I request honorable minister of irrigation and chairman SIDA to formulate an inter-ministerial committee which should include ministry of health and relevant organizations as well to take actions to resolve health issues .A major problem associated before and after any disastrous situation is provision of safe drinking water and appropriate sanitation solutions. While looking at the matter of encroachments of Dhoras we should consider the over growth of population which is one of the major cause of overpopulation leading to encroachments' of the dhoras. In conclusion it is suggested that while making future plans, an inter-sectoral approach should be adopted while addressing issues and probable solutions to be delivered at the end stage of this project.

Dr. Najam Khurshid, Environmentalist

I am surprised to see the presentation that I haven't seen anything related to water quality issues. There is need to address the issue of water quality. My colleague talked about the plantation of mangroves but I never saw mangroves there. I have been there even before the construction of LBOD and I have not seen mangroves as these areas are not suitable for mangroves. The lakes of Badin are not of fresh water as sea water is also



being mixed up in these lakes and hence if you consider this area for shrimp then there will be big disaster as there will not be any shrimp in this area. Moreover, these areas are protected areas by law so you cannot introduce mangroves or shrimp in these areas. As these are Ramsar site and internationally you cannot introduce such interventions in Ramsar sites as it will destroy the ecology of the area and people will also object. Therefore, I will request please don't do any changes in the area that may have impact on ecology of the area.

Dr. Sikandar Mendhro, MPA Sindh Assembly

Honorable Minister, SIDA management, LBG team and honorable ladies and gentlemen Assalam-o-alikum. Mr. Memon said that he came from Karachi and hence he will take very little time and in that sense, I came from longer distance and hence I will take some more time as compared to his time. I came from Badin and I am 70 years old and I have seen the area before LBOD, before Kotri barrage drainage system and before anything that was there. Therefore, I have a long experience which is on ground experience.



Today I am very happy to learn something but I want to share something that I learnt from my life experience as a resident of that area. One of my friend in first presentation said that LBOD is working very well; my question is that if the LBOD has been working very well, then why we are here? And someone else said that if LBOD has not been there, then where we would have drained the water? So my question with these friends is that when there was no LBOD, when there was no barrage system and when there was no structure, how this while time has passed without these devastations? There is a power and that is more intelligent than our engineering science - that is natural power. The Natural power has remodeled routes. If you say that engineering systems have been designed by engineers, then I have a question – who designed Indus River? In fact, nature has designed all the rivers and the nature has designed the drainage also. So we should also learn from the nature, history, and geography.

I have listened so many speakers but I have never listened anybody speaking about the history, about the geography and about the topography of this area for which we all are here and concerned about the situation and we have been spending lot of money and getting foreign loans and we have been indebting our coming generations. We talk about Dhoro Puran, dhoro that dhoro that, but the thing is that if we go into little detail of the history, there were Bunders, there rivers from Karachi to Ketu Bunder. There was a Kolachi Bunder, Jhoona Bunder, Ketu Bunder, Shah Bunder, Khaibar Bunder, Sando Bunder, and Ali Bunder. How these Bunders are there? These Bunders were there because there was flow of water from the river and the people used that water for commercial purposes also. So, each Bunder has a history of water channel coming from Indus River.

There are Dhands (lake) also. My friend has talked about some dhands in KPOD area and of the Shakoor Dhand. But there is long chain of dhands from Ali Bunder up to the Shakoor Lake and these dhands were also made by the water flows of nature. If we forget these water flows which Indus River has been making, then we cannot align the drainage system. If you say that surface system will be re-aligned and will be de-silted, this flood has given some lessons for you to learn because we have seen with our own eyes that a drain was empty but water upto height of 5 feet from out of both banks of drainage system, the water was rushing to the sea. This means that we haven't aligned our drainage system in a proper way. If you



make re-alignment of whole system but you keep making plans of only de-silting then I am afraid that this will not be solution to the problems.

LBOD is not a successful project which has been declared and this has also been admitted by World Bank itself. I am a witness and some people are here who will also tell you that when this system was being inaugurated in 1994 by worthy prime Minister of that Shaheed Benazir Bhutto sahiba. I raised the objection right there that BB this is a faulty scheme; this will drown us and will bring devastations and death to this area. Because the 42 kms of Tidal links was designed in a wrong direction and lands of these 42 kms is washed away. Now if you are saying that you are going to remodel and enhance the capacity of these faulty links to solve the problems but in reality it will not solve the problems. Therefore, we should be extra careful and I will request, please, make rational and reasonable plans. I am not satisfied with the presentations based on the reality of the ground. These are good PowerPoint presentations but not good solutions.

Mr. McDonald who made the LBOD, he came in Badin to consult stakeholders. I said to him to go to villages for actual consultation. He visited the village and one old man said to him that LBOD will destroy us and some day the water will run from roofs of our houses and people will get refuge on roofs of the houses. McDonald started laughing and he said that how this is possible when the sea is 42 feet down and water Nawabshah is 100 feet above sea level, so it will not be possible for LBOD to destroy the area. And I saw the houses drowned and people living on roofs of the houses. The poor people know their area and natural water ways; hence, they should be given priority in community consultations.

There Pangrio Dhoru which also called a Pangrio river. The routes of our drains don't follow the routes of these natural dhoras. The Lunwari drain and seerani drain are not following that path and this is the reason that during the flood time these drains were empty and water was flowing making its own way through the houses and lands in the towns and villages.

Therefore, in my opinion that all local people who have expertise in those areas should remain in contact with us to construct a fool proof project. Otherwise I see so many previous studies and same way some text has been copied the books and previous reports and have been pasted in the report. So my request is that please be realistic as we had made mistakes in the past and we must admit for those mistakes and learn lessons from these mistakes and avoid repeating those mistakes again in future. Otherwise, the area is going to suffer very much.

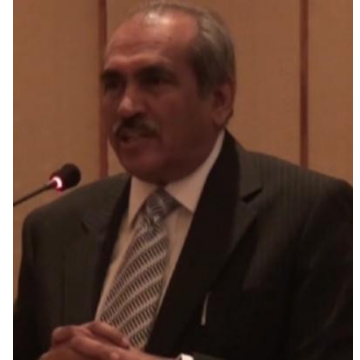
I have 2-3 suggestions:

1. Nawabshah is 160 feet high from the sea level, because our area is plane area and there is around one feet height at every single mile from top to bottom up to sea. If you take the last area of Badin from where the rain water is going into the sea. From Nawabshah, there is lot of difference of height, so you can divert that water into desert areas.
2. I am not an engineer but in my opinion, you should think to drain in the dhoras, you make local reservoirs in each district because each district has the capacity of storing its own water to reserve that in the local area. You can form fish forms in that area and it may work but if you go and connect the water to dhoras then it may not work because you don't have proper disposal of water to dhoras. In other words, brining that water to Badin and Thatta and to drown the population there.
3. So please think in these lines, we are always at your disposal and we can sit with you. You come to the ground and have the people sit together and then make your

consultations not for a day or for some hours but you sit there for one week. You may see that you will get so many valuable suggestions that are going to solve the problem on permanent basis. Otherwise, we are just beating about the bushes by making one presentation and other presentation, one meeting and other seminar, it not going to solve the problem. Thank you very much.

Syed Raghib, Member (Water) WAPDA

Start in the name of Allah Who is Most Merciful. Ladies and gentlemen and honorable chief guest Assalam-o-alikum. I am thankful and if you compare the distance, probably I have traveled from the longest distance. I am straight away coming from Muzafarabad so my distance is the longest but I will not take that much time.



Respected sir, this opportunity has been provided luckily to LBOD that this project was conceptualize by Shaheed Zulifqar Ali Bhutto and inaugurated by Shaheed Benazir Bhutto and RBOD project was also inaugurated by Muhtrama Bhutto. So talked to President of Pakistan when our honorable Minister was also there, and we said to the President, that, sir let us make this project a successful project and let us learn from mistakes in past because nobody in the history who has not made mistakes. Therefore, instead of giving detail about LBOD, let me come to the suggestions.

Basically, LBOD project always faced difficulty after construction in the operation and maintenance (O&M). Muhtarma issued a directive that O&M of LBOD should be carried out by WAPDA and the expenditures should be borne 50:50 percent in between government of Sindh and government of Pakistan. But unfortunately, we (WAPDA) have not got a single penny from both of them and it was the biggest problem and it was not to possible to maintain such a huge project only on the wishes. We have to do some practical things and ultimately the next government decided that this project should be handed over to the government of Sindh. This was the difficulty with LBOD project. Since that time I am sure that neither government of Sindh nor SIDA has given proper maintenance because simply giving the money is not the question because appropriate maintenance means appropriate funding and involvement of the local people. The projects are for the people and people are not for the projects. This is what we have learned from the mistakes.

Basically, this project was designed to control water logging as well as storm water. The storm water was the supplement but originally it was the water logging to be controlled and it was constructed in phases. So initially, three districts Nawabshah, Sanghar and Mirpurkhas were selected by the government and the storm water was to be taken to Badin. Why we are re-designing the LBOD as this is the question of Mendhro sahib. We are deigning the project because of the climate change. Initially, the project was designed on the basis that at the time of storm all the tube wells will be closed and water should be considered as storm water and will be taken out in sea area or into dhoras. Dhoro Puran is the difficulty, yes, because drainage at that time in 1962 the Badin people faced difficulties and water could not be drained for 3 months and water also coming back from Shakoor Lake because we had a problem with the outfall. Sea in the days of monsoon is very rash and sometime water from river is also not going into the sea. We (WAPDA) are in close contact with government of Sindh on the directives of President of Pakistan we are working on the flood related issues

with provinces. I have offered Mr. Carlos that whatever information, data, oceanography detail, survey starting from the Shah Samunder creek to Nawabshah, whatever information we have we will offer and we will work together.

Sir I will suggest that:

1. More consultation with the local people is very important as it has been previously missing. But it should be in local language. We should promote more through electronic and print media so that more and more people could be consulted because sometime people feel shyness in talking in English so it is better we should talk with them in local language or Urdu so we could have better participatory approach.
2. O&M of the project is very important. Simply investing the amount is not that much difficult as the O&M of any project. So my request to the government is to ensure proper O&M of the project. Because if the tube wells from Nawabshah to Mirpurkhas had been working well then there may not have water logging problem but unfortunately these are working.
3. Therefore, rehabilitation of the LBOD is the immediate requirement as it is in terrible condition. The President and the Prime Minister desired that we should have a survey of it so we have reported 2 years back that about 65% is not operative. So kindly sir it is very important.
4. Regarding Chotiari, we have offered that since the provinces don't have the capacity of dealing with the dams and we have a dam safety organization so we have offered our services to the government of Sindh and the SIDA that we can provide the expertise so that we can regularly monitor the situation. Because every dam has a seepage problem. Very recently I have visited with the Chinese a project so there was also seepage but there is a system to control the seepage. It should not affect the people, even in the Chotiari we have a safeguard, and there are channels, pumping stations.
5. I suggest that there must be a panel of experts because whenever we had a mega project we in WAPDA have panel of experts. Because what the consultants are saying there must another expertise to look into it. Therefore, with local and national expertise there must be a panel of experts to look what they are doing.
6. I will agree as Talpur sahib (note: it was suggested by Zulifqar Halepoto) suggested that there must be a Steering Committee comprising of local stakeholders as well as the expertise and the session should be continuously discussing the position to arrive at a position. Because simply presentations does not solve the problem. Therefore, let us have a Steering Committee, Technical Committee and Social Committee and all those committee work under you sir (Minister of Irrigation).
7. Salinity of the water – I will honestly say that I have ever met as an officer and political leader as our President of Pakistan is with a clear vision. We had a meeting with him and he gave an idea of treatment of the water. Like the water from Baluchistan is being drained in Sindh area and around 25,000 acres of land have been totally destroyed. You are Minister of Irrigation; you might know that Rabi Canal has totally been destroyed because of waste water from Baluchistan. It needs outlets because where the water of Baluchistan will go? Therefore, there is need to give way to water to go to the sea but by sharing. I suggested to Secretary at that time that we should take O&M cost from the province of Baluchistan to treat that water and use it for agricultural and drinking purposes. On the basis of this, we have proposed a pilot project on right bank canal to treat that water and recycle it in that area. Therefore, please pray for us so that in district Dadu near Johee we intend to put that plan and if successful it will serve two purposes, one to enable making safe drinking water and secondly it will convert from highly saline

to marginal so it can be utilized for agriculture purpose. We will be able to irrigate around 10,000 acres of land. Therefore, if it is successful, we will utilize it all over the country so that water could be recycled and instead of putting it to another district, it should be circulated and utilized in that area. I am sure, it will be a big breakthrough in the country, if we succeed in our plan and money constraint is the biggest problem we are faced with.

8. Oceanography is also very important, because Shah Samunder Creek was with WAPDA 10 years before and we started this regularly on monthly and 6 monthly basis. This is must and you also the consultants and SIDA people should take it starting from Shah Samunder Creek to see what the position is because if you are taking silt from one area so it must have to be deposited in some other area. These are some of the submissions and I am sitting here and if anybody has any question, please feel free to ask. We are with you to work collectively with all our expertise and we will work with you. People have also witnessed that although we have handed over LBOD but everyone knows that in 1999, 2003, 2006, 2010 and 2011, all of us were in command of Irrigation Minister and the department of irrigation. We are with you sir – and thank you very much.

Jam Saifullah Khan Dharejo, Minister of Irrigation, Sind / Chairman SIDA

In the name of Allah Who is Most Merciful. First of all I am very thankful to SIDA and Louis Berger for organizing this workshop. I am also very thankful for all the experts and this is matter of great joy for me to be here with all the experts and wonderful speeches from the experts. Especially, I will thank Engineer Sufi and Dr. Keerio sahib for making presentations. Unfortunately, I missed the presentation of Dr. Carlos.



All the experts including Naseer Memon, Zahid Bhurgri sb, Umer Farooq, Zulifqar Halepoto, Hashim Leghari sb, Mustafa Daoodpoto (note: he was Mustafa Talpur), my friend Jamil from Fisherfolk, Noor Muhammad Memon and Mr. Sikandar Mendhro to whom I have great amount of regards, and Dr. Shah sb also from WAPDA. Everybody has given excellent suggestions. I would like to tell you that recently one of my friend suggested me to watch the movie “Inconvenient Truth” by Al Gore (Ex US Vice President). This movie is creating awareness about global warming. I was very shocked to learn that with the population growth and technology everything the threats in last 50 years, the carbon dioxide which is being mixed in space which is causing damage to ozone layer. So we have sent more carbon dioxide gas in last 50 years as compared to how much we have sent to ozone in last thousands of years.

Therefore, because of this global warming, the drastic changes in weather will take place and this is what we are witnessing in Sindh this year and last year also. We had the devastating rains for at least a month and a half and if we see from our history then we have not seen such rains in last 200 years. So obviously, we have to prepare ourselves for these types of rains & calamities in future. Previously, we never had infrastructure to cope with such types of rains. So obviously in the planning this thing was lacking also such as while making our roads we were not making water ways or converts or passages to water. Now we have gone through these rains and I think everybody needs to wake up.

The Irrigation Department and these Louis Berger Consultants were working hard before these rains but these rains have given opportunity to look at the disasters with eyes and in consultation with everybody we can find out ways and means in order to know how to get rid



of these things. Dr. Keerio said that we are also looking how to divert this water Thar area? In this shortage of water mostly we have dry spell, hence, if we can make use of this water and we can divert this water to some areas and we can irrigate the uncultivated land. I agree with suggestions that de-silting should be done immediately; we should de-silt the LBOD as soon as possible. So this is my direction to SIDA authorities to start the de-silting and we have to make motor-able banks of LBOD so if there is any emergency or any breach so we can reach there and we can mobilize the machinery there.

During the recent disasters we were going to different places and I have chance to go Digri Town and we met with one of very seasoned politician Mir Hayat Khan Talpur. I think he must above 70 years old and his son is sitting here with us. We asked him that have you ever had faced this type of flood problem before? He told that in early 60s they have seen same type of disaster (may be duration was not that much) but at that time they were able to drain the water in 3 or 4 days. He also said that this was possible due to old dhoras were active and taking water with speed but it could not be done now because of many encroachments everywhere. I would also like to share that Sindh government has made a law that any encroachment proved will be jailed for 10 years and will have fine of Rs. 10 lacs and we hope that this may control the illegal encroachments. Sindh government is determined to control on this and this direction is also given by our President.

My only request to Louis Berger would be that timeline given to them was almost 2-3 years but now we have this disaster so I would request them to expedite the things and try to finalize this master plan as soon as possible, because, if there is disaster in next monsoon season, then it will be very difficult to us to explain that we are still in the planning process; so it is my request that whatever have to be done we should do at the earliest. Mr. Mendhro has also given very good suggestion that we should consult with people in affected areas as they are best to suggest us solutions because they know exactly what the problems are and they know even more than any technical experts. So, I think this is vital for us to consult them and listen their grievances because they can tell through history and they can give better suggestions.

So these are few points that I wanted to share and I hope that there would be more consistent actions and you should be able to go affected areas also an I hope now we still going through the disasters and still at some places people are facing difficulties and we have not been able to drain out the water. So, this is best time to go in the field and see what is the exact situation there, because all these images I have seen – these images are of last 2-3 years. If the latest pictures have been shown in the presentation then it would have shown us better picture of current situation in the field.

Everybody present here has given good suggestions and I hope that your valuable suggestions will be taken care of. It is not only the responsibility of Louis Berger to work on these issues but all us have to work collectively and give them suggestions to do their job properly. I thank you very much again and I wish Louis Berger and other consultants the best. If you need any help on Ministerial level, please share with us. However, we have resource constraints but we will do our best to resolve those issues because we have to secure the future of Sindh, especially in the irrigation and drainage. We did our best and we have made bound to our engineers to take oath on Holy Quran that they will not accept any bribe or means of corruption or commissions. Mr. Raghib Shah is also witness of those oaths. This is related to our future so we will try our best to make it transparent as much as possible and not

to compromise on the quality of the work also. So Insha Allah all of us as a team will resolve our issues. I thank again to Louis Berger and SIDA. Thanks

Vote of Thanks by Dr. Yameen Memon

Honorable Minister Saifullah Khan Dharejo sb Minister for Irrigation Sindh and Chairman SIDA, Honorable Sarfarz Hussain Rajar sb Advisor to Chief Minister (he left and he was here early morning), Honorable Dr. Sikandar Mendhro sb MPA, Sindh Assembly, honorable MPA Shamim Aara sahiba, and honorable MPAs Faseeh shah sb and Jalbani sb, honorable Sayed Raghieb Ali Shah sb Member WAPDA, Honorable Mir Taiq Ali Alpuri sb Chairman Nara Canal Area Water Board, honorable Mr. Ehsan Ali Leghari MD SIDA, respected members of SIDA panel of experts, honorable Dr. Carlos Team Leader LBG & IAC, honorable Draga sociologist LBG, officers of various departments of government of Pakistan and government of Sindh, and civil society representatives, respected members of farmer's organization, area water boards and SIDA. Our most valued invited guests ladies and gentlemen, I on behalf of civil society organizations including Management Development Center, Sawfco, BRDS, MDF, Goth Sudhar Sangat and Peace Foundation, it is great privilege for me to have been asked to exchange the vote of thanks on this national stakeholders consultative workshop. I must mention our deep appreciation to our guest who came from far flung areas and they also gave good suggestions to prepare regional plan for the left bank of river Indus delta and coastal zone. I may like to thank media personal for covering this event, we are also thankful to Avari Towers who have facilitated to us to organize this workshop, I will also thank Madam Draga and Mr. Baloch who have been facilitating very nicely the workshop today. We also like to thank the team of SIDA and WSIP on helping us during making arrangements for the workshop.



Madam Draga, concluding remarks

I just want to say thank you everybody for being with us today. We will transcribe in a report what you said and we will send it to you to fill in gaps in information. Please write back to us, we need your opinions. Once again thank you so much and lunch is waiting – thank you.





ANNEXURE XVII:- LIST OF WORKSHOP PARTICIPANTS

Phase II Stakeholders' Workshop Attendance List

Date: 30/06/2011

District: Hyderabad & Matyari

Venue: Indus Hotel Hyderabad

S#	Name	Organization	Position
1	Dr. Bagh Ali Shahid	Indus Lahore	Consultant
2	Ali Muhammad Shahwani	PEHE (Hyd)	Chief Operations officer
3	Pir Bux	Sehrish Nagar	Former
4	Gulsher Khan	I.D.O (Hyd)	Project Manager
5	Allah Jurio	Agriculture/ Land Lord	Land lord
6	Muhammad Hassan	Tando Qaisar (Hyd)	Farmer
7	Yar Muhammad	—	Land lord
8	Atta Muhammad	—	Land lord
9	Masroor A. Shahwani	SIDA	Training Coordinator
10	Zain Daoud Poto	I.D.O (Hyd)	Exe. Dir
11	Majid Joyo	I.D.O (Hyd)	Finance Officer
12	Abdul Salam	Matyari	Bulding constructor
13	Sattar	SUP	Member
14	Ishaq Mangrio	KAWISH	
15	Nazir Ahmed Memon	SIDA	GMT
16	Asho Thama	HRCP (Hyd)	coordinator
17	Bashir Ahmed	Matyari	Land lord
18	Uzma Azif	SDS (WHL)	WHL Officer
19	Sikandar	SDS consultant	Consultant
20	Umed Ali	Matyari	P.S.T
21	Chutto Mughal	Matyari	P.S.T
22	Nawab Gulzar	Farmer Matyari	Farmer
23	Noor Muhammad	HDWA Matyari	President
24	Ashiq Ali	KTN (Hyd)	KTN
25	S. Usman Shah	Matyari	Land lord
26	Imtiaz Ali	Awami Awaz	Reporter
27	Arshad	A.R.D Hyd	Qasimabad
28	A.Rahem	A.R.D Hyd	Qasimabad
29	Shakeela	SIDA - EMU	Sociologist
30	Shahina Ramzan	Bhandar Sangat (Hyd)	President
31	Arshad Ali	Village	PPP
32	Suleman Soomro	Village Association	President
33	Muhammad Hashim	Haji Khan Burio	Land lord
34	Muhammad Aslam Samo	Goth Kako Mirbher	
35	Irshad	SWWO Matyari	Chairman
36	Syed Zulfiqar Ali	—	Land lord



37	Faiz Darye	UOE - Hyderabad	Admin Sup
38	Rehmat Ullah	VISWA Matyari	Charmain
39	S.A. Rahman Shah	Agriculturalist Matyari	Land lord
40	S. Ali Muhammad	Agriculturalist Matyari	Land lord
41	Shahida sahito	Hyderabad	Teacher
42	Saima Sahito	Hyderabad	Student
43	Amir Muhammad	Matyari	Social worker
44	Dr. Liaquat Ali	Animal Husbandry Dept	A.D.I.O
45	Ghulam Hussain Burdi	SIDA	Env. Specialist
46	Allah Dino	Village (Matyari)	Service
47	Najma Mullah	Sorath Tanzeem	President
48	Hoondal	NNDWO Matyari	secretary
49	Aftab Ahmed	NNDWO Matyari	Treasery
50	Wahab	DCHD	Coordinator
51	Hizbullah	SIDA	communication specialist
52	Dr. Muharam Ali	Tandojam University	Asst. Prof.
53	Toqeer A Shaikh	Agri Extn Sindh Hyd	Agriculture Officer
54	Syed Muhammad Shah	Agriculturalist Matyari	Zamindar
55	Yousuf Nagori	DAWN (Hyd)	Photo jaurnalist
56	Muhammad Arif Memon	MMM Matyari	Gen: Secretary
57	Zeeshan Bhatti	Express Tribune	Reporter
58	Krishna	Sandish	Member
59	Mukesh Meghwar	Sandesh/Ibrat	Sub-editor
60	Tanveer Ahmeb	Member	Member
61	Muhammad Ismail		Inspector



Phase II Stakeholder's Workshop Attendance List

Date: July 5, 2011

District: Badin

No	Name	Organization	Position
1	Khadim Talpur	S.S.E.R	President
2	Hajan Kori	B.A.S.E	President
3	Abdul Sattar warar	CEDA	President
4	Sono mal meghwer	Shedo	President
5	Muhammad Khan Arisar	P.W Forum	Sec
6	Dodo	SIDA	Tresuser
7	Shabir Chandio	FDA	President
8	Amrif Ladhani	Shedo	Volamar
9	Kashif Zaur	Rahnuma FPAP	Social Organizer
10	Allah Bachayo Jamali	Jurnalist	-
11	Abdul Latif	Jurnalist	-
12	Abu Bakar	D.D.P	President
13	Mithan	Fishier Fok Forum	Prezi
14	Mir Lakhi	SSER	Joint Sec
15	Dr. Zainalabdin Mandan	D.O Live stoke Badin	District Officer
16	Muhammad Umer Karim	Technical- Specialist PCMU WSIP	TS-II
17	Noor Muhammad Memon	PCMU	T.S.I
18	M. Abdullah Chandio	SNDS	President
19	Allah Bachayo	Press Club Kadhan	President
20	Dr. Abdul Aziz	HDO Badin	President
21	Muhammad Bux	Member H.D.O	Member
22		DIO	Photographer
23	Ghaffar Khoso	CDD Badin	DDO
24	Abdul Shakoor Khatri	AXEN Drainage	AXEN
25	Haji Muhammad Nawaz	Sindh Abadgar Board Badin	G. Secratry
26	Roop	AIP	President
27	Asad Bhatti	SDSC	Student



28	Perviez Ahmed	SIDA	AMT
29	Suleman Soomro	DAMN	Gen-Sec
30	Nusrat Khatti	NRSP	RP. Social Mobilization
31	Hamid Umrani	KTN	
32	Abdul Majeed	SSER/ Land Loard	General Seceratry
33	Ghulam Mustafa	Association for Poverty _____ (APA)	President
34	G. Mustafa Jamali	Shed Badin	President (Coj-SHED)
35		S.G.A	Member
36	Farheen	S.S.E.R	John. Sec
37	Maryam	S.S.E.R	Member
38	Muradan	S.S.E.R	Member
39	Hyder Ali	HANDS	District Executive Manager
40	Engineer Kashif	BDRO Badin	Ex: Member
41	Muhammad Ishaque Bajeer	L.S.O Kadhan	President

PHASE II STAKEHOLDERS' WORKSHOP ATTENDANCE LIST

Date: July 09, 2011

District: Thatta

Sr. #.	Name	Organization	Position
1.	Haji	Village: Molvi Dost Muhammad	Land Lord
2.	Mary Khozomba (Malawi-Africa)	ACF – International	FSL Progm Manager
3.	Imran Ali Shah	SRO	Livelihood
4.	Ali Murad	SRO	IT Officer
5.	Muhammad Aasif Brohi	SRO	Social mobilizer
6.	Sikandar	Aborim	Land Lord
7.	Rasheed Jakhr	Malhar Thatta	President
8.	Dr. Haji Khan Keerio	Ex-DG Res.	-
9.	Israr Ahmed	Fisheries	AWF
10.	Karim Bux Narejo	LGD	Assistant
11.	Maqsood Abbasi	S.R.R.D	President
12.	Suhail Abbasi	S.R.O	C.F.W office
13.	Muhammad Jat	Kander Jat U/C	CCB President
14.	Ghulam Qasim Hingorjo	Uris Hingorjo	Land Lord
15.	Ramzan Ali	Haji Umar	Land Lord



16.	Ghulam Mustafa Jat	Mubarak Mallah	Land Lord
17.	Muhammad Hassan	Mamooou khorr	Land Lord
18.	Muhammad Hanif	Muhammad Yaqoob Temro	Land Lord
19.	Asghar	Haji Muhsin	Land Lord
20.	Hashim	Hashim Jat	Land Lord
21.	Arbab	Haji Jeand	Land Lord
22.	Misri	Haji Siddique Jat	CCB President
23.	Masroor A.Shahani	SIDA	Tc.Is
24.	Akbar Ali Khaten	EMV-SIDA	Env.Ecdosist
25.	Muhammad Usman	Badoo Jat	Land Lord
26.	Muhammad Ramzan	Pir Ghulam shah	Land Lord
27.	Gul Hassan	Punhoon Jat	Land Lord
28.	Zamir	Jhoke Sharif	Land Lord
29.	Akahdino Shah	Jurial Shah Jati	Land Lord
30.	Rajub Memon	Haji Hussain	Land Lord
31.	Shabir	Haji Hussain	Student
32.	Ghulam Hyder	Haji Meer Muhammad	CCB President
33.	Malook	Haji Meer Muhammad	Land Lord
34.	Irfan Ali Samoo	SRO	Office Assistant
35.	Ghulam Hyder	KWDO	Qadir Lashari
36.	Muhammad Ameen	Village: Uriss Sanjo	Savant
37.	Lano	Uris Sanejo	Land Lord
38.	Ramzan Jat	Ramzan Jat	Land Lord
39.	Datar Don	Haji shad Muhammad Jat	Land Lord
40.	Muhammad Riaz Jeelani	H.A.S.O	G.S
41.	Muhammad Ali Khattak	M.P.C	Fondar
42.	Khuda Bux Lashari	K.W.D.O Sakro	Treasure
43.	Muhammad Luqman Lashari	K.W.D.O Sakro	Member



PHASE II STAKEHOLDERS' WORKSHOP ATTENDANCE LIST

Date: July 12, 2011

District: Tharparkar

Sr. #.	Name	Organization	Position
1.	Rasheed Mahar	SIDA	SDS
2.	Nandlal	Dharar	Former
3.	Shahbaz Shah	Railo	Member
4.	Imtiaz H. Rind	NCHD	DPME
5.	Shankar Sagan	Allama Open University	A.R.D
6.	Issardas	Education	Teacher
7.	Bharat	IBA Sukkur	Student
8.	Abdul Wahid Abdul Hakeem	-	Former
9.	Gulzar Mahar	Education	Clerck
10.	Nandlal	SEARCH	P.C
11.	Satosh Kumar	SEARCH	Manager Finance
12.	Muhammad Hayat	V.Q.O	J.S
13.	Anba Ram	Amrio	Farmer
14.	M. Hashim	Wahir Bajir	Social Worker
15.	Santosh	TSO	Member
16.	Muhammad Siddique Dal	Sukaar Foundation	MQE Specialist
17.	Bharat	DDAT	SO
18.	Issawles	M	S.Worker
19.	Dileep Amer	PBC, Mithi and VNG	S.B.E
20.	Bharoomal	SCOPE	P.C
21.	Partab Siv	SEARCH	ED
22.	Govinda	Goth Purkhaji	Student
23.	Sagar Suther	Kheer Dahi	Student
24.	Mhu Ramal	Thar Parkar bar association	President
25.	Ugomathan	DBA Tharparkar	Advocate
26.	Hamlesh	TRDP	PO
27.	Qazafi Shezad	South City School	Teacher
28.	Javed Akhtar	Baanhu Beli NGO	Coordinator
29.	Shah Nawaz	South City	Teacher
30.	Gulzar	Railo	farmer
31.	Akash	Islamkot	Student
32.	Bhunesh	TSO NGO	Member
33.	Ander Singh	D.D.A.T NGO	SO
34.	Beesham Kumar	Arniyaro	Student
35.	Jeevan	Deepa Acadmy	Teacher
36.	Vishan Umedani	Sparc	APC
37.	Idress Bajeer	PST Foundation	PST
38.	Prem Singh	South City	Teacher
39.	Engr. Suresh	AEDB	Incharge



40.	Peeshan Sh	Mithi	Student
41.	Shamker Sajoor	AIOU	A.R. Director
42.	Vijay	Sharm	SEARCH
43.	Dr. Nand lal	Health Depth	M.O
44.	Dr. Muhammad Ahsa	Health dept	M.O
45.	Dr. Bheroolal	Health Dep	M.O
46.	Dr. Muhammad Hassan	Health dept	M.O
47.	Dr. Mukesh	BHU	M.O
48.	Dr. Mahesh Kumar	BHU	M.O
49.	Aijaz Bajeer	AWAZ TV	District reporter
50.	Sajid Bajeer	Express News	Dist: Reporter
51.	Leaqat Nodri	Dawn News/ Aaj News	Dist Reporter
52.	Manoj Kumar	Haiill Blic School	Teacher
53.	Ahmed Ali	DDOHQ	
54.	Kareem Samjeo	Sindh TV	District Reporter
55.	Engr: M. Latif	C.D.D	E.D.O

PHASE II STAKEHOLDERS' WORKSHOP ATTENDANCE LIST

Date: July 13, 2011

District: Umerkot

Venue: District Hall

Sr. #.	Name	Organization	Position
1.	Faqeer Roshan Ali	Village Influence person - /NEW-CHORE	Village influenced person
2.	Muhammad Bux Kumbhar	SADA	E.D
3.	Liaqat Ali	Abadgar	Farmer
4.	Peer Bux Rahimoo	Asstl: Director CDPUKA	Agriculture department
5.	Nihal	Agriculture department	Agri: Officer
6.	Ali Hassan	Land Lord	Land Lord
7.	Mumtaz Ali Kalroo	Farmer A. Rahim Kalroo	Farmer
8.	Nawab Ali	Taluka dithoro Zamandar	Zamindar
9.	Hadar	Former	-
10.	A. Aziz Barohi	Village Mehrab Khan Barohi	Farmer
11.	M. Aalam Halipoto	Village Haji Ghulam Muhammad Halipoto Ghulam Nabi Shah	Farmer
12.	M. Moosa Halipoto	Village Haji Ghulam	Farmer



		Muhammad Halipoto Ghulam Nabi Shah	
13.	M. Ismail Gajoo	Village Chanesri Ghulam Nabi Shah	Farmer
14.	Liaquat Ali Khaskhali	Village Jalal Khaskheli Near Kunri	Farmer
15.	Gul Muhammad Walhari	RADO – Dhoru Naro	E.D
16.	Abdullah Khoso	Khosa Derologmef socially (KDS)	President
17.	Wali Muhammad Wallari	Rado	Member
18.	Muhammad Panu	Mir Agrow	Business Promoter
19.	Mumtaz Palli	Karo Palli	Farmer
20.	Aftab Kachelo	Helping Hovels	C.E.O
21.	Olvlan Hussin	HAAKRO LSO Dhorom	Chairman
22.	Ayaz Kalulo	Agri: Exclusion	A.O
23.	Autom Kumar	Agri: Extension	F.A
24.	Nirmal Kumar	G.M.I.I. U. Kot	Instructor
25.	Mir Muhammad Nohri	Agriculture Department	A.O
26.	Ghulam Qadir Khaskheli	Agri: Extension	A.O
27.	G.M Bhagal		
28.	Saroopchand	Umerkot	Farmer
29.	Imran Kunbhes	P.D.I	P.O
30.	Hussain Bux	Agri: Extension	D.D.O
31.	Muhammad Hussain Mangrio	Village: m. Essa Mangrio	Farmer
32.	Ashiq Chandio	PPHI	DSM
33.	Ghulam Mustafa		ED
34.	Lalchand	S.D.D.O	P.O
35.	Anwar Rajper	Peoples Party	G.S /PPP
36.	Bansi	HANDS	DEM
37.	Muhammad Juman	Agriculture	F.A
38.	Imtiaz	Forest Department	D.O Forest
39.	Ali Akbar	Aware	E.D
40.	Anwer Ali	Ramsar	Farmer
41.	Arbab Ali	DCO office	Assistant
42.	Rabia Noreen	NCHD	Sup
43.	Shahrukh	NCHD	F-Teacher
44.	Sobia	NCHD	MC
45.	Naeem Kubhee	Teacher APS Choor cantt	Junior Teacher
46.	Dr. Fiaz Muhammad	Live store	S.V.O Umer Kot
47.	Arbab Muhammad	Makhdoom Bilawal	
48.	Mitha Khan	Mahran Development Org	President
49.	Dr. Abdul Ghafar	Live Stock	D.O
50.	Pervez Ahmed	AMT-SIDA	AMT
51.	Tajodbhed	Horimazdor	Sadar



52.	Bhugromal	Agriculture	F.A
53.	Imran Ali	Agriculture	P.A
54.	Kasim Bux	Education	H.M
55.	Pinkesh	Education	Assistant
56.	Khattai Thelso	Sindhi Adabi Sanat	Rabta Section
57.	Mumtaz Ansari	ARY	Reporter
58.	Dilber Bhyo	Marhan TV	Reporter
59.	Shahnawaz	Assigation	Office Assistant
60.	Bhagwandas Parmar	SEF Umer Kot	Field Coordinator

PHASE II STAKEHOLDERS' WORKSHOP ATTENDANCE LIST

Date: July 19, 2011

District: Ghotki

Venue: Shelton Hotel Ghotki

Sr. #.	Name	Organization	Position
1.	Nusrat Mirani	RDPI	S.O
2.	Amiran	Education department	Teacher
3.	Shahnaz	V.N.G Voice of New Generation	//
4.	Rozeena Kanwal	Takhleeq Foundation	S.M
5.	Surriya Khan	Taleheeq Foundation	ACC
6.	Samina Kaluad	HWA Foundation	S.O Staff
7.	Riaz Mahar	DDNTT Ghotki	Gen Sec
8.	Nazeer Ahmed	Dhirti Dost Nauyawan Tarqati Tanzeem Member Khangarh Ghotki	Member
9.	Abdul Samee	DDNT	Member
10.	Halam Ali	Saindad Chachar	Former
11.	Haji Sadoro	Sairdad Chachar	Former
12.	Wahid bux	Saindad Chachar	Former
13.	Noor Hassan	Raes Akhtiar	Former
14.	Anwar Ali	Raes Akhtiar	Former
15.	Laik Chacher	Qaisar Chacher	Former
16.	Gulzar Ali	Qaisar Chacher	Former
17.	Muhammad Sharif	Qaisar Chacher	Former
18.	Muneer Ahmed	Dhamaji	V.N.G Group
19.	Mahar Ali Nawaz	V.N.G Ghotki	Student
20.	Muhammad Arif	Dhirti Dost Nauyawan Tarqati Tanzeem Member Khangarh Ghotki	Teacher
21.	Rahi Jamil	Dharti Dost Org	President D.D.N.T.T



22.	Ghulam Sarwar	Gulruval development	Chairman
23.	Rabrawaz	GRDO	G. Sec
24.	Abdul Hameed	Sewai Foundation	Members
25.	Zain-Ul-Abdin	Roshni TT	Data Programmer
26.	Hiesmdin shah	Yough welfare Qadiper	Secretary
27.	Hafiz Manzoor	HWA Foundation	CEO
28.	Gulzar Ahmed	Malik Welfare Association	Gen Sec
29.	Nazir ahmed	Govt Service	PST
30.	Tahir Gulzar	Govt Service	PST
31.	Ghulam Nasir	HWA Foundation	Secretary
32.	Kaleem Ullah	HWA Foundation	Volunteer
33.	A. Qadir	Village: Allah Jusiyo	Shop Keeper
34.	Wali Muhammad	F.O Hussain Chachar	Former
35.	Meer Hakim	Jam Bhodo	Former
36.	Dildar	Jam Bhudo	Former
37.	Bakar Ali	Allah Juriyo	Former
38.	Farhan Ahmed	HWA Foundation	Volunteer
39.	Rozeena Kanwal	Taleheeq Foundation	S.M
40.	Surriya Khan	Taleheeq Foundation	ACC
41.	Khalid Hussain	Sind Tarqi Pasand Party	
42.	Rafique Ahmed	V.D.O	Gen: Sec
43.	Ali Anwar	Sujag welfare Association	Chairman
44.	Abdul Hakeem	Sujag welfare Association	Member
45.	Zahid Hussain	Former	Former
46.	Qurban	Gul W.A	-
47.	Ameer Bux	SIDA	Environmental Inspector
48.	Sadar Din	SIDA	Q.S
49.	Jamal Shah	Xaung Welfare Association	President
50.	Muhammad Usman	Gul W.A	Gen: Sec
51.	Ghulam Sarwar	Former	Former
52.	Shahid Hussain	S.D.O	Finance Sec
53.	M. Ayub Mahar	Dharti Dost Nojwan Tarqiati Tanzeem	V. President
54.	Imtiaz Ali	Dharti Dost Nojwan Tarqiati Tanzeem	Member
55.	Zahoor Ahmed Soomro	Sky Foundation	Member
56.	Abdul Waheed	Sky Foundation	Member
57.	Manzoor Ahmed	Sky Foundation	Director
58.	Imdad Hussain	Sky Foundation	Chairman
59.	Afshan Parvez	House Wife	
60.	Mehwish	House Wife	
61.	Bashiran	House Wife	
62.	M. Umar	Govt: Services	Assistant



61.	Ghous Bux	Govt: Services	Teacher
62.	M. Nawaz Mahar	Shah Latif	Member
63.	Shabir Ali	Hyderi W.A	Computer Operator
64.	Muzafar	Young welfare Association (Masoo khan)	Member
65.	Iftikhar	Alekh welfare Association Daherki	Volunteer
66.	Ghulam Nabi	Village Haji Ali Chachar	Former
67.	Samina Naz	R.T.T Ghotki	Chair Person
68.	Rozina Soomro	SRSO	Member
69.	Pervez Baubhan	SIDA	AMT
70.	Altaf Soomro	RDPI	CBC
71.	M. Yaseen Soomro	RDPI	FIC
72.	Sher Muhammad	SIDA	Member AWB
73.	Aamir Channa	Sindh TV News	Distt: Reporter
74.	Farman Laghari	Daily Sindh Sujag	D.Reporter



PHASE II STAKEHOLDERS' WORKSHOP ATTENDANCE LIST

Date: July 20, 2011

District: Sukkur – khairpur

Venue: Hotel Red Carpet, Sukkur

Sr. #.	Name	Organization	Position
1.	M. Achar Khaskheli	S.A.F.W O	Sub President
2.	Hafeez ullha	Farmer	
3.	Mumtaz Hussain	Young welfare Khairpur	Joint Secretary
4.	S. Mithal Shah	YWS. Nousheroferz	Agriculture Officer
5.	Zahid Solangi	YWS Khairpur Akri	Social Mobilize
6.	Dr. Shagufta	YWS N.Feroz	Veterinary Doctor
7.	Abdul Latif Memon	O.F.W.M Sukkur	Deputy Director
8.	Khush Muhaamad Rahoojo	BSWA-Khairpur	Team Leader
9.	Naseer Ahmed Ujan	Goth Seengar Foundation	Volunteer
10.	Jamil Ahmed Abro	Al. Madina & W.A. village halepoto	G.Sec:
11.	Allah Warrayo Jatoi	Abadegar welfare Association	Member Hari
12.	Mukhtiar Ahmed Khokhar	Sharfa bet welfare Assosiation	Member
13.	Haji Kamal u ddin Jatoi	Abadgar Social Welfare Ass: Sukkur	President
14.	Muhammad Suleman	District Officer Social welfare	DO SW
15.	Firdous	MYF	Member
16.	Samina Kanwal	Protector	Member
17.	Arbab Khatoon	Mehran Youth Fourm	President
18.	Farzana	OASIS International	Super wiser
19.	Roomana Tabasum	Social Worker	
20.	Wazir Khaton	H,W	
21.	Aneela	Health Department	
22.	Shakeela		
23.	Afshan Khanum	Megnat	
24.	Zaika	Megnat	
25.	Saida	Megnat	
26.	Abdul Latif Abro	Al shous social welfare Association village	
27.	Parvez Banbhan	SIDA	AMT
28.	M.Saleem Raza	Lab-e-mehran dev organization Sukkur	President
29.	Ahmed Ali	SEE-DO Sukkur	V-President
30.	Abdul Latif	L.M.D.O Sukkur	Social work



31.	A.Sattar	SAFWO Sukkur	Teh.Mey
32.	Imam Dino Buriro	B.S.W.A.	C.M
33.	Yasir Ali Khaskheli	BSWA	Media Assistant
34.	Zabair Soomro	Dhoom TV Journalist	Distt Repoter
35.	Aakash	SEE DO Sukkur	Member
36.	Rahib Hussain	Irrigation Sukkur Begari Bund	Sub-Engineer
37.	Shabeer		0306-3681352
38.	Shabana		03052122273
39.	Sibghatullah		
40.	Saeedullah		
41.	Gulsher Ahmed	L.M.D.O Sukkur	
42.	Muzanib		
43.	Ikhtiar khaskheli	KRDO	Executive Director
44.	Imtiaz Hussain	The News	Repoter
45.	Ali gul		
46.	Majida Memon	Care the people foundation	Vice President
47.	Sajjad Ali Pitafi	G. Secretary	
48.	Asghar Ali	Land Lord	
49.	Suleman Shabir	C.C.B Jaurat	chairman
50.	Mashuque Ali	C.L.A	Chairman
51.	Khalid Barbha	Ibrat	B/ Chief
52.	Shahbeg Lund	C.C.B	Chur man
53.	Ashfaq Ali	Indus Valley Dev, Society	President
54.	Tarique Ali		Farmer
55.	Sughra Masood	Khusboo women Org:	President
56.	Abdul Rouf	Sharfabad S.W Association Sukkur	V.President
57.	Ummat-ul-Aziz	U.H.R.O	S.V.P Sindh
58.	Mst Zulikha Abari	Political Party	City President
59.	Saeed Ullah Channa	NPIW (Sukkur) SHEDS (KHP)	WMO (S.M) Joint Sec:
60.	Tahir Hussain	LMDO	Member
61.	M.Bachal Abro	DPMGCS	Chairman
62.	Mazhan Ali	Mehran Villages Dev:	F. Sec
63.	Zulfqar Solge	Il Mustafa Insan Dust NGO Sukkur	
64.	Shahid Channa	Il Mustafa NGO	President
65.	Mushtaque Ali Arijo	J-Sec Sindh Abadgar	Joint Sec:
66.	Ali Anser	NDSP	President
67.	Haleema	NDSP	Member
68.	Hajara	NDSP	Member
69.	Gulzamaa	formaer	Member
70.	Gul Hassan	Farmer	Member
71.	Maqbool	NGO	



PHASE II STAKEHOLDERS' WORKSHOP ATTENDANCE LIST

Date: July 21, 2011

District: Nausheroferoze

Venue: Committee Hall DCO Complex Nausheroferoze

Sr. #.	Name	Organization	Position
1.	Ambreen	Goth Sudhar Sangat	Office Secretary
2.	Benazir Memon	SDS	Enterprise Office
3.	Ghufran Ali	SDS	S. Engineer
4.	Sayed Zahid Raza	Noor Welfare Foundation	Social Worker
5.	Anees Ahmed Soomro	(G.S.S)	Social Worker
6.	M. Aslam Korejo	Dharte S.W.A Moro	Social Worker
7.	Qazi Zulfiqar	G.S Naushahro Feroze	Gen: Sec
8.	Sajid Soomro	Surtan Institute	Principal
9.	AttaMuhammad Solangi	S.P.F	Gen Secretary
10.	Jan Muhammad	Govt: employer	
11.	Amjad Toger	Nation Development Organization	President
12.	Liaqat Ali	Shah Latif Social Welfare Association	President
13.	Mir Hassan Unar	Marvi Welfare Association	V/President
14.	Arbab Ali Solangi	D.O Fisheries	Govt: Employer
15.	Nawab ali	Sarang Welfare Association	Member
16.	Noor Din	Mahran Welfare Association	Member
17.	Almd Din Malak	Sarnge welfare	President
18.	Abdul Razzaq Lala Korai	SHEDO	President
19.	Pervez Baubhan	SIDA	AMT
20.	Sayed Aijaz Ali	Bridge Foundation Consultants	DCM
21.	Irshad H.Shah	BCF Naushahro Feroze	S.O
22.	Abdul Sattar	Marvi Welfare Association	President
23.	Saadat Ali	IRC	District Coordinator
24.	Ali Gohar	Naushahro Feroze	Former
25.	Muhammad Ismail	Mari Welfare Association	Social worker
26.	Mir Muhammad Tagar	Naushahro Feroze	Former
27.	Waseem Akram	C.A.C	Social Worker
28.	Ghulam Mumtaz	Indus Cam – Development organization Moro	CEO
29.	Muhammad Moosa Gondal	Rotary Club	AG
30.	Shaher Bao		Gen Sec
31.	Usman Akram	A.C U/T (NF)	
32.	Muhammad Yaqoob	Govt: Employer	Former
33.	Gul Bahat Abbas	Naushahro Feroze	Former
34.	Muhammad Moosa Soomro	S.D.S	Chairman
35.	Ali Bux Umrani	DO, SW, Naushahro Feroze	
36.	Faraz Ahmed	C.A.C	
37.	Altaf Hussain Chamar	Agri Extension Department	DD: Agri NF
38.	Hamid Ali Solangi	Agri Extension Department	Agri Offr Tech



39.	Noor Nabi	Sindh Arts Education	President
40.	Raza Muhammad	Sindh Arts Education	Member
41.	Aamir Hussain	BBSYDP	Office Worker
42.	Dr. Abdul sattar	ATC	
43.	Azam Almani	AGAZ	President
44.	Mehboob Ali	C.A.C	Member
45.	Kainat Soomro		S.D.S
46.	Ghulam sarwar Keerio	Moro	Social worker
47.	Sarang Ali	Shah Latif Welfare	Social worker
48.	Iftikhar	Young Soomra welfare Association	Social work
49.	Ghulam Hyder	Peoples Hari committee	V. President
50.	Gul Mooro	Sindh Adbi sangat	President

PHASE II STAKEHOLDERS' WORKSHOP ATTENDANCE LIST

Date: July 30, 2011

District: Shaheed Benazirabad

Sr. #.	Name	Organization	Position
1.	Ali Nawaz Channer	Agriculture extension SBD	DDO(HQ) SBA
2.	Arbab A;I Keerio	Sahkar Development Organization	President
3.	Rajib Ali	Sindh Subita Mori Julbuni	President
4.	M. Juman	Nawab Wali Muhammad N.R.S.P	F.O
5.	Mehwish	Quest	Student
6.	Mehtab	Nawabshah	Teacher
7.	Farzana	Nawabshah	Health Dept
8.	Naseema	Nawabshah	Student
9.	Muhammad Ameen	Sindhica Reforms Society Nowabshah	Chairperson
10.	Muhammad Ismail	Jehol Magsi Farmer	Farmer
11.	Khair Muhammad Lakho	Sindhica reforms Society Nowabshah	Rice.chowi person
12.	Seema Baloch	Sindhica Reforms Society	Assistant Project coordinator
13.	Aijaz Ali Keerio	Land Lord Majeed Keerio	Land Lord
14.	Ghulam Ali	Majeed Keerio	Grower
15.	Dr. Mumtaz Ali Keerio	Majeed Keerio FFS	FF School Facilitator
16.	Saleem Akber Umrani	Mehran Human Development Foundation	
17.	G.R Abro	M.H.O.F	Member
18.	Tariq Hussain Keerio	Majeed Keerio	Land Lord
19.	Muhammad Alam	Majeed Keerio	Social worker
20.	Saleh Billoo	Nawabshah	President
21.	Abdul qader	Dist: Reportes Mehran	PIS
22.	Abdul Jabbar	WWO	Gen Sec



23.	Akhtiar Punio	SDPD	CEO
24.	Zubair Hussain	Majeed K	F.F.S.Fet
25.	Nisar A keerio	Gndu Keerio Social	
26.	Ali Bux Keerio	Indus Keeri	President Talka Sokcl
27.	Muhammad Yaseen	Sindhri welfare asso	Member
28.	Muhammad B	Indus Foundation Business	Member
29.	Ali Akbar Khaskhli	Grower	Farmer
30.	Ali Akbar	Baldar	
31.	Chanesar	Education	Clerk
32.	Allah Dad		Former
33.	Liaquat Ali		Snr: Clerk
34.	Rahman Ali		Former
35.	Muneer Ahmed	GSS Haji Keerio	Farmer
36.	Dilshad Ali	GSS Haji Keerio	Gen sec
37.	Abdul Qadir	Human Organization	President
38.	Shahmdad	Nawabshah	Student
39.	Qurban Ali	NSDV	Chairman
40.	Allah Bux	SEWA	V. President
41.	Ghulam Yaseen	CMS	Administration
42.	Engr. Kishan Chand	Quest N/Shah	Assistant Professor
43.	Engr. A.Nasir	Quest, Nawabshah	Assistant Professor
44.	Abdul Shaber		Watchman



PHASE II STAKEHOLDERS' WORKSHOP ATTENDANCE LIST

Date: August 09, 2011

District: Sanghar

Venue: District Hall Sanghar

S #	Name	Organization	Position
1	Habib Baig	FO Duthro Minor	Chairman
2	Mir Hassan	SAN Sanghar	M.B
3	Din Muhammad Umrani	5nc Sanghar	Member
4	A. Wahab Narejo	Sanghar (NGO)	Member
5	Khalid Ahmed	Sanghar	Member
6	Salma Qureshi	Woman Social Associate	President
7	M. Soomar Malookan	Ehsas Welfare Associate	President
8	Muhammad Nizamani	Farmer	
9	Muhammad Sharif	SAFCO	Member
10	A. Resheed Mehar	SIDA	SDS
11	Anwar Ali Baloch	LBG&IAC	Land use planner
12	Naveed Akhter	Iman	Member
13	Khan Muhammad	ADEH	J.S
14	Muhammad Ali Riaz	Sindh Information Deptt	Deputy Director
15	Khalid Muhammad	S.W.F	S&R
16	Muhammad qazafi	Dain Sharafat	Bureau chief
17	Housh Muhammad	Journalist	Daily DAWN
18	Vasoo MAL	Ass: Ex: Engr	
19	Ghulam Hussain	Australian Multicultural Charity	Manager Coordinator
20	Muhammad Saleem	P.H.S.O	President City sanghar
21	Gh: Mustafa	Ahsas	President
22	Chan Muhammad	EMAAN	President
23	Mano Jan	EMAAN	Member
24	Syed Aijaz Hussain	SSDO	Treasmer
25	Kaimal	EMAAN	Member
26	Therath	EMAAN	Member
27	Barkat Ali	Carish Dev Foun	
28	Hina Urooj	Mehran WDO	President
29	Sagheer Ahmed Rajput	Daily D-R Express	D-R Sanghar
30	Ghulam Rasool	PHRDO city sanghar	Press
31	Adil Mughal	Rohi TV	Bureau chief
32	Muhammad Ibrahim Khilji	AHEAD	President
33	Ubaid	EMAAN	Member
34	Chanasar	EMAAN	Member
35	Salam		CAC
36	Kurba Mangrio	WWF Pakistan	Community Devel offr



37	Zafar Ali Talpur	WWF Pakistan	Site Manager
38	Asiq Ali	Women Social Ass Sanghar	Member
39	A. Waheed	MWDO	J.Sec
40	Tahra Bibi	Women Social Ass Sanghar	Member
41	Liaquat Ali Mughal	Do	
42	Shabir Ahmed	A/W	A/W
43	Zulfiqar Ali	SHWS	President
44	Aman Ullah	WMRDT	Member
45	Muhammad Raqiq	DevCon	Monitoring and evaluation officer
46	Hasan Aslam	W.P.P	
47	Khalil Baloch	W.P.P	
48	Babar	Degree College Sanghar	student
49	Mir Hassan	PFF	P.O
50	Sikinder	PFF	S.O
51	Azad Jee	Former	Social Worker
52	Raheem Bux	D.R Sindh Sarwan Press Reporter	
53	Muhammad Imtiaz	Sindh Human Welfare Org sanghar	Gen: Sec
54	Farrukh Masood	DevCon sanghar	S.O

PHASE II STAKEHOLDERS' WORKSHOP ATTENDANCE LIST

Date: 22/11/2011

Venue: District Office

District: Tando Muhammad Khan

Sr. #.	Name	Organization	Position
1	Muhammad Khan Sathio	SGSS	President
2	Ghulam Ali Jarwar	(SRDO)	President
3	Ghulam Hussain	Al-Shahbaz	Vice President
4	Abdul Waheed	Hands	Logistic
5	Mumtaz Ali	Revenue Dept	Mukhtiarkar
6	Naseem Heder Metle	Former	Khalel H. Metlo
7	Sher Muhammad	Beldar	D-Sain-D
8	Arbab Ali	Land Lord	D-Sain-D
9	Ali Heder	Land Lord	T.M.K
10	Habiz Ghulam	Land Lord	T.M.K
11	Dr. Yamen Memon	MDC	CE



12	Fareed Leghari	MDC	Profram Officer
13	Asghar Ali	A.S.D.O	T.M.K
14	Ghulam Nabi	A.S.D.O	T.M.K
15	Zubair Ahmed	Weekly Maag	Editor
16	Shahida	Badi Saba	President
17	Janat Khaton	Badi Saba	-
18	Ali Hassan	T.M.K	Land Lord
19	Kamal nonari	T.M.K (FO)	Zamedar/FO Chairman
20	Anwar Khaskhele	T.M.K (FO)	FO Chairman
21	Hizbullah	SIDA	Communication specialist
22	Muhammad Usman Katiq	T M K (FO)	FO Member
23	Muhammad Somar	Buri Sha Kasim	Former
24	Sikander	Buri Sha Kasim	Land Lord
25	Shafi Mohammad	Buri Sha Kasim	Land Lord
26	Pathan	Buri Sha Kasim	Land Lord
27	Abdul Wahid Khoso	HDF	RPM
28	Muhammad Saleem	Buri Sha Kasim	Land Lord
29	Samina	STP-KSF	President
30	Dr. Ahmed Noonari	STP-KSF	CC Member
31	Nasreer A	A.S.D.O	Member
32	Qurban Ali	Sahara	President
33	G. Mustafa	Buri Sha Kareem	Teacher
34	Abid	DFO	Farest D
35	Pir Ahmed Jan	Human Rights	President
36	Nisar Ahmed Veesrio	P.H.R.F J	Secretary
37	Ali Anwar	Buri Sha Kareem	Land Lord
38	Nasreen	S.S.D.O	Vice President
39	Khadeem H.M	T.M.K	Land Lord
40	Perveiz Banbhen	SIDA	AMT
41	Nazir A.Memon	SIDA	GMCT
42	Pir Ali Dino Shah	SIDA	FO Chairman
43	Ali Nawab	ASWA	President
44	Engr A Haq	SRDO	Chairman
45	Dr. Kishor Kumar	Land Lord	Land Lord
46	A.Qayoom Mangsi	Ali Bahar wah	(FO) Treasurer
47	Ali Bux R	UC-Ghulam Shah Buererani	Land Lord
48	Haji Weerayo	UC-Lakhat	Land Lord
49	Mehram Detho	T.M.K	Land Lord



50	Khmeeso Dal	T.M.K	Land Lord
51	Allah Dino Jat	Faran Sugar Mills	Cane Officer
52	M.Saleeman Solangi	T.M.K	Former
53	Kashif Ali	Hads	Survey Officer
54	M. Ilyas	T.M.K	Worker
55	Nadeem	MDC	Coordinator
56	Avais Ahmed	MDC	Manager prog
57	Noor Ahmed	T.M.K	Land Lord

PHASE II STAKEHOLDERS' WORKSHOP ATTENDANCE LIST

Date: December 03, 2011

District: Mirpurkhas – Tando Allahyar

Venue: Bisma Restaurant Hall

S No.	Name	Designation	Organization / Department
1	Ali Muhammad	Accountant	Shah Latif
2	Dragica Veselinovic	Sociologist	LBG
3	Zakia Mangrio	Sociologist	LBG/Indus
4	Nadeem	Manager Program	MDF
5	Gohram Baloach	Dist: Project Manager	SDFS- CMP-II Agri - Dept
6	Mekhan	Villager	Farmer
7	Meeta	Bheel Abad	Farmer
8	Wado Jeto	Bheel Abad	Farmer
9	Nusrat	C.M	SSS
10	Rasheed Mahar	SDS	SIDA
11	Fiaz Muhammad	Secreatry	Farmer
12	M.B Kapri	Bheel Abad	Press Club (MPK)
13	Hussain Bux	F.O Gorchan	Grower
14	Muhammad Sadiqu	Anchor	FM 105 - Media
15	Murad Ali	Agri Officer	Agricultur Department
16	M. Ahraf Shah	Anchor	FM 105 - Media
17	Nureen Bano	Executive Director	RSPO
18	Sher Muhammad Solagi	Director Program	RSDO
19	Asghar Narejo	President	Dev.Org. CAUSE
20	Abdul Hameed	Member	FRDF
21	Dr. Abdul Aziz	Depty Director	Poultry Development M/C
22	Shamsuddin	CR	Agriculturee
23	Arbab Ali Laghari	Sub-Engineer	Irrigation
24	Yar Muhammad Baloach	Member / AWBN	FO Chairman
25	Sikiladho Rahimoon	Chairman	F.T.K / Karonjhar Dev. Org
26	Mehran laghari	EX Nazim	Zamindar
27	Muhammad Younis	Land lord	Zamindar
28	Ghulam Mustafa Leghari	President	Awami Tehreek
29	Akbar Khan	Assistant Manager Finance	Nara Canal AWB



30	Hizbullah	Communication Specialist	SIDA
31	Parwaiz Ahmed	AMT	SIDA
32	Noor Ahmed	General Secratory	CAUSE Dev: Org
33	Muhram Ali	FO	Jaggarta Org. MRs
34	Zawar Ali lashari	Deputy Director	Livestock Department
35	Wali Mohammad	Chairman	Goth seenghar Foundation
36	Ali Gohar Kazmi	Project Officer	CRS
37	Seema Hotkani	S.O	BRDS
38	Parveen Aleem	C.M	Save The Children
39	A. Aleem Zargar	S.O	BRDS
40	Quratulain Nawaz	S.O	NSSS
41	Gulsham	S.O	NSSS
42	Ms. Hidayat-Narejo	Asst: Manager	NCAWB
43	Faiz Mohammad	FO member	Farmer
44	Murad Ali	Agriculture Department	A.O
45	Taj Mohammad Baloach	Member	Sindh Growers Association
46	Abdul Khaliq Jarwar	General Secratory	RAHE. T.Allahyar
47	Junaid Mirza	Social Welfare Officer	Social Welfare
48	Sher Muhammad	Director Program	RSDO
49	Qamaruddin	Reporter MPS	DAWN Newspaper
50	Zahida Detho	Executive Director	SRPO
51	Dr. Mehrunida Memon	Assistant Professor	SAU Tando Jam
52	Murtaza Narejo	Social Worker	CAUSE and ARIS
53	Abdul Qadir Arbab	Consultant	Anoushey
54	Bashir Ali	Social Organizer	Anoushey
55	M. Aslam	Adimin & Finance	Peace Foundation
56	Farzana Aslam	P. Manager	Peace Foundation
57	Imtiaz Ali	P. Manager	Peace Foundation
58	Dr. G.R. Keerio	Consultant	LBG/Indus
59	Sajjad Larik	Consultant	LBG/Indus
60	Nazar Ali	Member	SGA
61	Abdul Rasheed	D.D.O Forest	Forest Department
62	Sikander Ali Khan	T.O (I.S)	TMA Jhudo
63	Abdul Jabbar Laghari	Muslim Aid	District Project Coordinator
64	Moula Bux Mallah	CDO	WWF-Pakistan
65	Nawaz Kandhro	Environment Specialist	PTV Sangh
66	Mujahid Qureshi	Chairman	Infection Control Society
67	Fareed Laghari	PO M&E	MDC
68	Manoj Kumar	DDO Forest	Forest Department
69	Engr Abdul Sattar	Engineer	NPI (WM) MPS
70	Qurrat-ul-ain	Manager HR	NCAWB
71	Zahida Shar	A.Manager	NCAWB
72	Manzoor A Cheema	Grower	-
73	Zulfiqar Ali	MWC AWMS	-
74	Maqbool Ahmed	ACF	NCAWB
75	Tabbasume	Peace Foundation	
76	Afshan Daudpoto	-	MDS Station Road



77	Ghulam Asghar	Land lord	Mirpurkhas
78	Eram Sana	Visitor	Mirpurkhas
79	Iqra	-	Mirpurkhas

PHASE II STAKEHOLDERS' WORKSHOP ATTENDANCE LIST

Date: December 12, 2011

District: Sukkur - Ghotki

Venue: Inter Pak Inn Hotel, Sukkur

S #	Name	Designation	Organization / Department
1	Assadullah Bhutto	Agriculture Officer	Agriculture Extension
2	M. Acher Khaskheli	President	Sustainable Agriculture Farmer Organization
3	Haji Ghulam Muhammad	Zamidar	Village Mula Ali Taulka Pano Akil District Sukkur
4	Abdul Wahid Chahcar	Zamidar	Village Gahanwar Khaskheli Pano Akil
5	M. Mosa Khaskheli	Farmer	Village Gahanwar Khaskheli Pano Akil
6	Asgar Ali	Land Lord	Sukkur
7	Safia Baloch	In charge	Woman Complaint Cell Sukkur
8	Razia Alaf Din	Member Gen Secretary	Sukkur City
9	Sardar Begum	Vice President	P.P.P Sukkur City
10	Raheela Parveen	Internee	W.C.C Sukkur
11	Shabir Bhutto	Bureau Chief	Daily Kawish
12	Khalid Bambharo	Bureau Chief	Daily Ibrat
13	Rafia Khatoon	PPP Member	Sukkur
14	Ms. Rabia M. Pathan	PPP Member	Sukkur
15	Nadia	PPP Member	Sukkur
16	Zenab	PPP Member	Sukkur
17	Raseed Abro	Journalist	Sukkur
18	Abdul Aziz	Farmer	Sukkur
19	Muzfar Mangi	Journalist	Sukkur
20	Manzoor Ahmed Soomro	Assistant Director Fishers G.B Sukkur	Fishres
21	Haji Khamal u Din Jaffar	President Abadgar Social Welfare	Social Welfare
22	Ali Murad Jatoi	Secretary	Social Welfare
23	Afshan Khanum	Program Coordinator	MAGNET
24	Shakeela	Coordinator	Lab-e- Mehran Development Organization Sukkur
25	Amir Bux Dharejo	DPME Sukkur	NCHD
26	Manzoora		F. Lage Skkur
27	Zaheer Ansari	P.C	B.S.W.A
28	Aftab Ahmed	Markaz	NCHD



		Coordinator	
29	Fateh Muhammad	Agriculture Officer	Agriculture Extension
30	Saheen		F.L Sukkur
31	Zulekhan	City President	F.L Sukkur
32			Indus Valley Human Development Society
33	Afshan Ahmed	President	Indus Valley Human Development Society
34	Hina	Member	Hari Ithad Sukkur MAGNET
35	Ambreen Memon	Member	Farmer Group Sukkur
36	Abdul Rab	Chairman (AWGF)	
37	Ghulam Mustafa	XEN	
38	Anwar Ali	Director AWB Ghotki	SIDA
39	Jai Ram Molkani	G.M Operation	SIDA
40	Zulfiqar Ali Shah	Member	SIDA
41	Ghulam Sarwar	Member	
42	Shoukat Ali	Organizer	Soch Social
43	Ali Murad		
44	Ali Anser	President	NDSP
45	Moula Bux Mallah		WWF-P
46	Sanghra Majeed	President	Khushboo Women
47	Muhammad Umair	Member	SIDA
48	Ahsan Ali	Member	Farmer Group Sukkur
49	Abdul Waheed	S.O	Farmer Group Sukkur
50	Rahim Bux	G.Secretary	Al Mehran Hari Ithad Member
51	Haji Abdul Haleem	G.Secretary	Abadgar Sukkur
52	Nadeem Ahmed	Abadgar	
53	Muhammad Saleem	President	Lab e Mehran Development Org Sukkur
54	Avais Ahmed Memon	Manager Program	Management & Development Center
55	Anwar Ali Mahar	Coordinator	MAGNET
56	Riaz Ali	Member	Farmer Group Sukkur
57	Raheem Bux	Abadgar	
58	Noor Ahmed	Land Lord	
59	Dr. Hussain Mari	Team Member	MDC
60	Parvez Ahmed	AMT	SIDA
61	Aisha		
62	Zubida Khatoon	PPP Ladies Ving	
63	Rafiqan Begum	President	
64	Muhammad Siddique Shaikh	PPP	Sukkur
65	Ms. Nargis Aaga	PPP Deputy Secretary	Sukkur
66	M. Imra Shaikh	Photo Grapher	Daily Sobh Newspaper
67	Syed Qazafi Shah	Camera Man	Dhoom TV



68	Naeem Ghouri	Photo Grapher	Express Newspapers
69	Gulzar Ali Shah	Photo Grapher	Kawish Sukkur
70	M. Rafique	Camera Man	Mehran TV
71	Saeed Ahmed	Camera Man	KTN News
72	Babar Khokar	Photo Grapher	Ibrat Sukkur
73	Khalid Ahmed	Camera Man	Dharti Tv
74	Ali Dino Shah	Photo Grapher	Daily Kawish
75	Rehana Zaman	President	Women Development Forum
76	Kamran Shaikh	Reporter	Daily Ibrat Daily Regional Times
77	Abdul Hameed	Reporter	ARY News
78	Malook Bulaidi	Camera Man	ARY News
79	Abdul Ghani	Farmer	
80	Yasmeen Danwer	Capacity Building Officer	International Resource Committee
81	Ashraf Pathan	Protection Officer	International Resource Committee
82	Abdul Aziz	Protection Officer	International Resource Committee
83	Mehtab Naich	Protection Officer	International Resource Committee

PHASE II STAKEHOLDERS' WORKSHOP ATTENDANCE LIST

Date: December 19, 2011

District: Badin

Venue: Darbar Hall, DCO Office, Badin

S #	Name	Designation	Organization / Department
1	Hizbullah Magrio	communication Specialist	SIDA
2	Dr Nawaz ali ahmed	Stakeholder	BRDS
3	Fayaz ali	P.M	BRDS
4	Fozia	M&E	BRDS
5	Khadim talpur	President	SSER
6	Major (R) Omer Farooq Ahmed Khan	Member	LBCAWB
7	M Ashraf khatti	Axen	Irregation
8	M Ramzan	Photographer	DDI Badin
9	M.Ayub Burdi	Deputy district of WMTWK	Agri dept
10	Maqsood chandio	DST raffer	PRRSS
11	Nadeem mallah	MDF	Data manager
12	Iqbal	Program manager	BRDS
13	Meer Maula Bux Talpur	Member Sida Board	Sida
14	Zaffar ali shah	A Badin	A Badin
15	Mubarak Meerani	camera man	PTV
16	Gaffar khoso	DDO SW Badin	SWD
17	Mohmd Ibraheem shoro	XEN	Irregation



18	Parvez	AMT	Sida
19	QURBQ	R	R
20	M.khan	President	BRDS
21	Mohan lal	SUDS	org
22	Mohmd Moosa	Writter	
23	Ghulam rasool khoso	Xen	irregation dep
24	M. Ghous laghari	FTC Badin	SIDA
25	Bilawal Ali shah	IS/SM(WSIP-3)	sida
26	Zaheer hussain	chief editor	BRDS
27	Awais ahmed	Manager program	MDC
28	Huzoor bux khoso	Deputy director fishries	fishories deptt
29	Nazim ali	senier clerk	Do
30	A Aleem	S.O	BRDS
31	Dr G R Keerio	Consultant	LBG/INDUS
32	Anwar ali	consultant	LBG
33	Dr M Salih soomro	Deputy team leader	LBG
34	Zakir Mangrio	sociologist	LBG/Indus
35	Haji m nawaz memon	member LBC/LWB	lbq awb
36	Nazir memon	GM	SIDA
37	Yameen memon	Chief executive	MDC
38	Abdul majeed hyd	G.SEC: SSER	SSER BADIN
39	Abdul majid	PRSS	SSER BADIN
40	Moham Khan		
41	Allah bachayo jamali	Journalist	
42	Ali Murad shah	Journalist	
43	Saeed ahmed nonari	Asstt: agri: engneer area tem badin	
44	Hameed	kawish photographer	
45	Abdullah Qadri Arbab	consaltant	MDC
46	M.hassan	clerk assistant	district cont badin
47	Suhail ahmed	DPM SCCDP	SCCDP
48	Kashif hussain Zaur	Rahanuma/ S.O FPAP	
49	Abbas kassar	journalist	
50	Ghulam nabi shah		
51	Mansoor umr	DEN TFC	sida Badin
52	Taj m chang	AFN for fos	SIDA
53	Mohsin ali	IS LBCAWB	sida
54	Razak khatti	GS Badin press club	express news
55	Seema	S.O	BRDS
56	Sajjad Hassan	Anthropolysit	LBG/INDUS
57	Nadir Hussain Khawaja	Member	AWB



(Regional Workshop) PHASE II STAKEHOLDERS' WORKSHOP ATTENDANCE LIST

Date: December 29, 2011

District: Hyderabad

Venue: Indus Hotel, Hyderabad

S #	Name	Designation	Organization / Department
1	M. Ismail Kumbhar	Assistatn Professor	Sindh agri University Tandojam
2	Rasheed Chadio	HRD	SAFWCO
3	Hussian Bus Siyal	DD fisheries Sanghar	Fisheries
4	Iftekhar Ahmed Arain	D.E.O Hyderabad	Forest Department
5	Ayaz Ali	Adim Assitant	SDS
6	turab Ali Aradin	Chairman	Simini Minor
7	Syed Zaheer Gellani	Director G 3	G3 Engineering
8	Hussain Bux	F.O Gorchani	
9	Niaz Sia	Program coordinate	RDF
10	Rasool Bux Mehar	Professor	MUET, Jamshoro
11	Zahid Hussain	PD WSIP	PD
12	Wahab Ahmed	Director Wapda Hyd	Wapda
13	Shaeen Khan		MDC
14	Dr. Ghulam Asghar	Project Director	Livestock
15	Mohammad Fazal Memon	Designation	MM Pak
16	Rasheed Mahar	SDS	Sida
17	Zaian Khalil	Hydrologist	LBG
18	M. Aslam Panhwar	Mirpurkhas	Peace Foundation
19	fQuratulain Ghoto	HHP	PFF
20	Naeem Akhtar	A.M(S.M)	AWB (LBC)
21	Gh Farooque	SRSP	
22	Zahida Detho	Exicutive Director	SRPO
23	M. Hunain Khan	SR. Reporter	Dawn
24	Zeeshan Bhatti	Reporter	Express
25	Nabi Bakhsh Laghari	Mirpurkhas	Chairman F.O
26	Fahmeda Jarwar	Daily Sindh Hyd	
27	Nazar Mohammad Chang	Director Locater Manager	DG Agri Engineering
28	Mustafa Babar	SPO	
29	Naila Abbasi	Content Writer	Verge Systems
30	Mariam Shujat	Software Engineer	Verge Systems
31	Sham-uniss	Reception	MDC
32	Dr. Muzaffar Memon	DD Population Development Matiari	
33	M. Ayoob Wassan	Chairman	Rohgo Minar
34	Nazir Ahmed	GM Transition	SIDA
35	Nusrat Ali memon	Internee	MDC
36	Perviaz Ahmd	AMT	SIDA
37	Bashir Ahmed kerio	Director Plant Protection Agri Ext Hyd	Agri Ext Dept
38	Dr. Sindhu	Hydrologist	MDC



39	Hamair Ali	Dist Hyd	Agriculture
40	Hizbullah Magsi	Communication Specialist	SIDA
41	Ali Akbar	Chairman	
42	Sakina	P.O	Hamdam Soultion
43	Anwar Ali Rajar	Umerkot	
44	Azad Mirwahi	S.M	PFF
45	Erum Shah	P.C	BRC, SAU
46	Awais Otho	M & E	SRSP
47	A.W.Solangi	PTN	PTN
48	Tariq Iqbal	AD Computer	DRIP
49	Asadullah Kazi	Chancekkir	Isra University
50	Veli Bostanci		
51	Dr. Syed Ausaf Abbas	Veterinary Officer	Mrecs
52	Dr. Ali Muhammad	Director	Livestock
53	Zakir Ali	volinteer	Parc
54	Shah Nawaz Chandio	Design Engineer G 3	G3 Consultants
55	Javeed Hakeem Memon	Technical Officer	SIDA
56	A.W. Chairman	Consultant	BMC
57	Moazzam	F.O Chairman	
58	Dr. B.K Lashari	Professor	MUET, Jamshoro
59	Jawed Ahmed Qazi	Senior Engineer Civil	WAPDA
60	Ehsan Lashari	MD	SIDA
61	Mir Zafarullah	MPs	Agriculturist
62	Mustafa Ujjan	Director	Nara Canal
63	Engr. Abdul Sattar	Engineer	NDIW (WM)
64	Dodo Khan Laghari	Deputy Director agri hyd	Agriculture
65	Ghulam Shabir Mangi	A.O Agri: Extension Matari	Agriculture
66	Muhammad Umar	Director HR	USDF
67	Faisal Majeed	Civil Engineer	E Consultant
68	Aslam Memon	Scientific Officer	PARC
69	A Ghaffar Sheraz	PSWS	
70	Ali Ashar Mahesar	Hyd	SIDA
71	Bilawal Ali	SDS	SDS
72	Dr. Hussain Bux Bhutto	Team Leader G 3	G 3 EC
73	Muhammad Umer Karim	Technial Specialist	PCMU - WSIP
74	Zulfiqar Halepot	Advisor	TRDP
75	Mir Tarique Ali	Chairman	SIDA
76	Nusrat Noor	Train Coordinator	SAFWCO
77	Anwar Ali Baloach	Land Use Planner	LBG
78	Dr. M. Saleh Soomro	DTL	LBG
79	Dr. G.R. Keerio	Consultant	LBG
80	Engr. K.H. Soofi	Consultant	LBG
81	Sajjad H. Larik	Consultant	LBG
82	Abdul Qadir Arbab	Consultant	Anonshey
83	Zahid Bhurgri	Member NCAWB	SIDA



84	Koral Khan Soomro		
85	Satram Maheshwani	Sub Editor	Daily Kawish
86	Prof: Abdul Rashid Memon	Member SIDA Board	MUET, Jamshoro
87	Dr. Noor-ul-Huda	PFF	
88	Muhammad Ali	Program Coordinate	CSSP
89	Ms. Amber Laghari	Assistant Engineer WSI{	SIDA
90	Parween		
91	Farhan Khan	Photo Grapher	APP
92	Qasim Halepoto	Reporter	Daily Jang
93	Zahid laghari	Cameraman	Meharn Tv
94	Mohd Rind	KTN News	Hyd
95	Qazi Shakeel	Geo Tv	Hyd
96	Dr. Qamar Zaman	Hospital Coord	WHO
97	Zafar Hakro	Sindh TV	Sindh TV
98	Aslam Hyder	Mehran TV	Hyderabad
99	Javed Bhatti		Hyderabad



(Nataiotional Workshop) PHASE II STAKEHOLDERS' WORKSHOP
ATTENDANCE LIST

Date: January 14, 2012

District: National Workshop

Venue: Avari Towers, Karachi

S #	Name	Designation	Organization / Department
1	Adnan Nazir	Junior Economist	LBG / IAC
2	Abdul Haque		
3	Tabassum	Gendedr Specilist	LBG / IAC
4	Zahid Hussain	PD WSIP	SIDA
5	Asim Shehzad	EH Engineer	WHO
6	Sadd Hasan	Reporter	The Express Tribune
7	Mujahid Shah	Reporter	Kawish
8	Zulfiqar Tunio	Reporter	Mehran TV
9	Hamida Shah	Chairperson / Director	NARA Canal Area Water Partnership Women Development Department
10	Muhammad Umer karim	Technical Specialist	PCMU-WSIP
11	Aziz Ahmed Talpur	ENV. Health Engineer	WHO
12	Bashir Soomro	ASSO Profession	Education Department
13	S.Daniyal	Mehran TV	
14	Zaigham Habib	Hydrologist	LBG
15	Ali Ahmed Jan	Dawn TV	Cameraman
16	Naghma Shaikh	N.W.R	General Secretary
17	Dr. Sarwat	Add. Sec. WDD	Women Development
18	Zulfiqar Halepoto	Advisor	TRDP
19	Syed Faseeh Shah	MPA	
20	A. Ali Jalbani	MPA	
21	Naseer Memon	CE	SPO
22	Kamran Soomro	S.O	PARC
23	G. Mustafa Ujjan	Director	NARA Canal AWB
24	Nazir Moghal	Director	PCMU
25	Jamil Junejo	PFF Manager Advocacy	PFF
26	S. Moazzam Ali	PSO	N.I.O
27	Syed Ghulam Qadir Shah	NRM Coordinate	IUCN
28	Tasneem Bhatti	Gendedr Specilist	Independent Gravllan
29	Dr. Najam Khaskheli	CTA	GEMS
30	Mir Taquique Ali	Chaieman Nara canal AWB	SIDA
31	Ishtiaque Ahmed	Assistant Chief	PND Dept
32	Riaz Bhutto	Program Officer	SIDA
33	Muhammad Umer karim	CDO	SRSO
34	Hashim Laghari	EX MD	SIDA
35	Zulfiqar	Camera Man	KTN News
36	Syued Hussain Shah	Advocate	(Son of MPA S. Bachal Shah)
37	Perviaz Ahmed	AMT	SIDA



38	Hina Khorshid	RTA	PCMU-WSIP
39	Dargica Veselinovic	Sociologist	LBG
40	Sajjad H. Larik	Consultant	LBG/INDUS
41	Zahida		MDC
42	Nida Shahzad	PS to Project Coordinator	PCMU-WSIP
43	Dr. G.H. Baloach	Project Coordinator MDC	MDC
44	Faisal majeed	Senior Civil Engineer	Md ECs
45	Fateh Mari	PC	PCMU
46	Ghulam Qadir Arbab	Consultant	Anoushey
47	Mustafa Talpur	-	water aid
48	Ghulam Nabi	Hyd	
49	Irfanuddin Ahmed	DFO	Forest Deptt:
50	Rehanuddin Ahmed	Astt Director	Agri: Extension
51	Nisar Ahmed Memon	Director	PCMU-WSIP
52	Noor M.Memon		
53	Ayoub Soomro	Sr. Drainage & Irrigation Specialist	PMCA/FAO
54	Asif Jahangir	Directo (F&A) PDMA	PDMA
55	Noor Muhammad Memon	Consultant	
56	Anwar Ali Baloach	Consultant	LBG/INDUS
57	Khadim Hussain Soofi	Drainage Engineer	LBG/IAC
58	M.Saleh Soomro	Deputy Team Leader	LBG/IAC
59	Dr. G.R. Keerio	Consultant	LBG/INDUS
60	Asif	Sr. GIS Specialist	LBG/IAC
61	Major (R) Omer Farooq Ahmed Shah	Chairman Member	FO Defence Minor LGB AWB Badin
62	Zakia Mangrio	Sociologist	Indus
63	Dr. Ghulam Mustaf	Research Officer	PCRWR
64	Muhammad Javed	G.M. South	Wapda
65	Ylli Dedjca	PMCA TL	FAO UN
66	Syed Raghib	Member (Water)	WAPDA
67	Dr. Sindhu	Health Consultant	MDC
68	Hizbullah	Communication Specialist	SIDA
69	Ishtiaq	PS to minster	Irrigation
70	Zahid Bhurgri	Member NCAWAB	SIDA
71	Prof: Aijaz Qureshi	Director	
72	Bashir Soomro	A. Prof: Engineer	Edu
73	Nazir Ahmed	G M Transtion	SIDA
74	Abdul Latif	President	MDI
75	AsifAli	Communication Officer	WWF-PAK
76	Nasreen Bukhari		
77	Jai Ram Motwani	GM Operation	SIDA
78	Yameen memon	Chief Executive	MDC
79	Jam Saifullah Khan	Minister Irrigation Chairman SIDA	
80	Khalid Panhwar	Chief Reporter	Daily Hilal-e-pakistan



81	Shamim Ara	MPA	
82	Syed Waqar Bukhari	Director	P & D Department



ANNEXURE XVIII:- SUMMARIES OF STAKEHOLDERS FEEDBACK

Stakeholders' Feedback

Workshop-Location: Gothki

Total no of participates: 76

Date: 19-7-11

1. How would you rate the invitation to participate at the workshop? (Please circle)

Excellent-	<input type="text" value=""/>	Satisfactory	<input type="text" value="3"/>	Needs improvement	<input type="text" value="1"/>	Not satisfactory	<input type="text" value="0"/>
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Suggestions for improvement:

2. What do you think about the organization and conduct of the workshop? (Please circle)

Excellent-	<input type="text" value="31"/>	Satisfactory	<input type="text" value="1"/>	Needs improvement	<input type="text" value="3"/>	Not satisfactory	<input type="text" value="0"/>
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Suggestions for improvement:

3. How would you evaluate the clarity and comprehensibility of the workshop presentations? (Please circle)

Excellent-	<input type="text" value="31"/>	Satisfactory	<input type="text" value="3"/>	Needs improvement	<input type="text" value="1"/>	Not satisfactory	<input type="text" value="0"/>
------------	---------------------------------	--------------	--------------------------------	-------------------	--------------------------------	------------------	--------------------------------

Suggestions for improvement:

4. Would you evaluate the group work as: (Please circle)

Excellent-	<input type="text" value="29"/>	Satisfactory	<input type="text" value="5"/>	Needs improvement	<input type="text" value="1"/>	Not satisfactory	<input type="text" value="0"/>
------------	---------------------------------	--------------	--------------------------------	-------------------	--------------------------------	------------------	--------------------------------



Suggestions for improvement:

5. How would you rate the time available for discussion?

Sufficient	32	Insufficient	3
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Suggestions for improvement:

6. General impression on the workshop

- It is a very good program.
-

7. Suggestions for improvement

Suggestions for improvement:

- This type of workshop should organize in village level.
- This was very informative program.

THANK YOU FOR YOUR VALUABLE FEEDBACK



Stakeholders' feedback

Workshop-Location: Sukkur/Khairpur

Total no of participates: 71

Date:

20-7-11

8. How would you rate the invitation to participate at the workshop? (Please circle)

Excellent-	<input type="text"/>	Satisfactory	<input type="text" value="3"/>	Needs improvement	<input type="text" value="2"/>	Not satisfactory	<input type="text" value="0"/>
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Suggestions for improvement:

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9. What do you think about the organization and conduct of the workshop? (Please circle)

Excellent-	<input type="text" value="39"/>	Satisfactory	<input type="text" value="1"/>	Needs improvement	<input type="text" value="0"/>	Not satisfactory	<input type="text" value="0"/>
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Suggestions for improvement:

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10. How would you evaluate the clarity and comprehensibility of the workshop presentations? (Please circle)

Excellent-	<input type="text" value="34"/>	Satisfactory	<input type="text" value="5"/>	Needs improvement	<input type="text" value="1"/>	Not satisfactory	<input type="text" value="0"/>
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Suggestions for improvement:

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11. Would you evaluate the group work as: (Please circle)

Excellent-	<input type="text" value="34"/>	Satisfactory	<input type="text" value="5"/>	Needs improvement	<input type="text" value="1"/>	Not satisfactory	<input type="text" value="0"/>
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Suggestions for improvement:



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12. How would you rate the time available for discussion?

Sufficient	38	Insufficient	2
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Suggestions for improvement:

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13. General impression on the workshop:

<ul style="list-style-type: none">- Groups are good.- Workshop is excellent.- It is very informative workshop.
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14. Suggestions for improvement

Suggestions for improvement:

<ul style="list-style-type: none">• Block seepage canal water.• Plantation of trees on roadsides.• Organize such types of workshop in every district. Especially in district khairpur.• Official should attend these workshops.• Suggestion given by participants should be implemented by government within the time period.• Such type of workshop should be arrange once or twice a month.• Local people should be invited in workshops.

THANK YOU FOR YOUR VALUABLE FEEDBACK



Stakeholders' feedback

Workshop-Location: N.Feroz

Total no of participates: 50

Date: 21-7-

11

15. How would you rate the invitation to participate at the workshop? (Please circle)

Excellent-	<input type="text"/>	Satisfactory	<input type="text" value="9"/>	Needs improvement	<input type="text" value="0"/>	Not satisfactory	<input type="text" value="0"/>
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Suggestions for improvement:

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16. What do you think about the organization and conduct of the workshop? (Please circle)

Excellent-	<input type="text" value="25"/>	Satisfactory	<input type="text" value="11"/>	Needs improvement	<input type="text" value="5"/>	Not satisfactory	<input type="text" value="0"/>
------------	---------------------------------	--------------	---------------------------------	-------------------	--------------------------------	------------------	--------------------------------

Suggestions for improvement:

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17. How would you evaluate the clarity and comprehensibility of the workshop presentations? (Please circle)

Excellent-	<input type="text" value="30"/>	Satisfactory	<input type="text" value="10"/>	Needs improvement	<input type="text" value="1"/>	Not satisfactory	<input type="text" value="0"/>
------------	---------------------------------	--------------	---------------------------------	-------------------	--------------------------------	------------------	--------------------------------

Suggestions for improvement:

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18. Would you evaluate the group work as: (Please circle)

Excellent-	<input type="text" value="31"/>	Satisfactory	<input type="text" value="9"/>	Needs improvement	<input type="text" value="1"/>	Not satisfactory	<input type="text" value="0"/>
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Suggestions for improvement:

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19. How would you rate the time available for discussion?



Sufficient	38	Insufficient	3
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Suggestions for improvement:

20. General impression on the workshop

- Overall workshop is excellent.
- It is a good opportunity to understand related issues of flood and irrigation.
- Such type of workshop will help to understand issues of drainage and other problems.
- It was new and good way to achieve result.
- More impressive group work.

21. Suggestions for improvement

Suggestions for improvement:

- Point of discussion should be provide before group discussion.
- Forest officials and other stakeholders should be invited.
- Invitation should be given to all registered NGOs and active social members.
- During presentation body language and medium of language should be improve.

THANK YOU FOR YOUR VALUABLE FEEDBACK



Stakeholders' feedback

Workshop-Location: Benazirabad

Total no of participates: 50

Date:

30-7-11

22. How would you rate the invitation to participate at the workshop? (Please circle)

Excellent-	<input type="text" value=""/>	Satisfactory	<input type="text" value="3"/>	Needs improvement	<input type="text" value="0"/>	Not satisfactory	<input type="text" value="0"/>
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Suggestions for improvement:

23. What do you think about the organization and conduct of the workshop? (Please circle)

Excellent-	<input type="text" value="26"/>	Satisfactory	<input type="text" value="3"/>	Needs improvement	<input type="text" value="1"/>	Not satisfactory	<input type="text" value="0"/>
------------	---------------------------------	--------------	--------------------------------	-------------------	--------------------------------	------------------	--------------------------------

Suggestions for improvement:

24. How would you evaluate the clarity and comprehensibility of the workshop presentations? (Please circle)

Excellent-	<input type="text" value="25"/>	Satisfactory	<input type="text" value="3"/>	Needs improvement	<input type="text" value="2"/>	Not satisfactory	<input type="text" value="0"/>
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Suggestions for improvement:

25. Would you evaluate the group work as: (Please circle)

Excellent-	<input type="text" value="26"/>	Satisfactory	<input type="text" value="4"/>	Needs improvement	<input type="text" value="0"/>	Not satisfactory	<input type="text" value="0"/>
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Suggestions for improvement:

26. How would you rate the time available for discussion?

Sufficient	<input type="text" value="24"/>	Insufficient	<input type="text" value="6"/>
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Suggestions for improvement:

27. General impression on the workshop

28. Suggestions for improvement

Suggestions for improvement:

- Participation of farmers should be increase.
- You should organize workshop at taluka level.
- Informative material should be in sindhi language.
- This type of workshop should be at taluka level.
- Available time for discussion is insufficient, we want to have more time for discussion.

THANK YOU FOR YOUR VALUABLE FEEDBACK



Stakeholders' feedback

Workshop-Location: Sanghar

Total no of participates: 54

Date: 9-8-2011

29. How would you rate the invitation to participate at the workshop? (Please circle)

Excellent-	<input type="text" value=""/>	Satisfactory	<input type="text" value="2"/>	Needs improvement	<input type="text" value="1"/>	Not satisfactory	<input type="text" value="0"/>
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Suggestions for improvement:

30. What do you think about the organization and conduct of the workshop? (Please circle)

Excellent-	<input type="text" value="32"/>	Satisfactory	<input type="text" value="1"/>	Needs improvement	<input type="text" value="1"/>	Not satisfactory	<input type="text" value="0"/>
------------	---------------------------------	--------------	--------------------------------	-------------------	--------------------------------	------------------	--------------------------------

Suggestions for improvement:

31. How would you evaluate the clarity and comprehensibility of the workshop presentations? (Please circle)

Excellent-	<input type="text" value="26"/>	Satisfactory	<input type="text" value="8"/>	Needs improvement	<input type="text" value="0"/>	Not satisfactory	<input type="text" value="0"/>
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Suggestions for improvement:

32. Would you evaluate the group work as: (Please circle)

Excellent-	<input type="text" value="30"/>	Satisfactory	<input type="text" value="3"/>	Needs improvement	<input type="text" value="1"/>	Not satisfactory	<input type="text" value="0"/>
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Suggestions for improvement:

33. How would you rate the time available for discussion?

Sufficient	<input type="text" value="33"/>	Insufficient	<input type="text" value="1"/>
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Suggestions for improvement:



34. General impression on the workshop

- It was very informative workshop.
- Subject is good.
- Overall workshop is excellent.

35. Suggestions for improvement

Suggestions for improvement:

- Informative material should be in sindhi language.
- Presentation should be given to participants.
- That type of workshop carried out at village level, so that farmers can easily attend.
- Workshop should be in local language.
- Workshop was good but there was need to call more farmers and landlord to participate.
- You have to organize this type of workshop regularly.
- Try to reach actual stakeholders.
- Workshop done in excellent atmosphere.
- This one day workshop was very excellent it give us huge knowledge.
- Relevant field experts and government officials did not participate, so next time make sure their participation.
- There is need to take suggestion from stakeholders.

THANK YOU FOR YOUR VALUABLE FEEDBACK



Stakeholders' feedback

Workshop-Location: - Tando Mohammad Khan

Date: 22-11-2011

Total no of participates: 57

Total no of completed feedback forms: 33

36. How would you rate the invitation to participate at the workshop? (Please circle)

Excellent-	<input type="text"/>	Satisfactory	<input type="text" value="18"/>	Needs improvement	<input type="text" value="0"/>	Not satisfactory	<input type="text" value="0"/>
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Suggestions for improvement:

37. What do you think about the organization and conduct of the workshop? (Please circle)

Excellent-	<input type="text" value="21"/>	Satisfactory	<input type="text" value="11"/>	Needs improvement	<input type="text" value="1"/>	Not satisfactory	<input type="text" value="0"/>
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Suggestions for improvement:

38. How would you evaluate the clarity and comprehensibility of the workshop presentations? (Please circle)

Excellent-	<input type="text" value="15"/>	Satisfactory	<input type="text" value="18"/>	Needs improvement	<input type="text" value="0"/>	Not satisfactory	<input type="text" value="0"/>
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Suggestions for improvement:

39. Would you evaluate the group work as: (Please circle)

Excellent-	<input type="text" value="18"/>	Satisfactory	<input type="text" value="12"/>	Needs improvement	<input type="text" value="3"/>	Not satisfactory	<input type="text" value="0"/>
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Suggestions for improvement:

- Proper arrangements should be made before the workshop.

40. How would you rate the time available for discussion?

Sufficient	<input type="text" value="32"/>	Insufficient	<input type="text" value="1"/>
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Suggestions for improvement:

Spare more time on each issue.

41. General impression on the workshop

- Work is productive and needs to be done in each district and all stakeholders' level.
- It was excellent workshop in which we learn a lot about nature, flood etc, and this type of workshop are the need of the time.
- There are many reasons to improve this workshop, give the guidance and knowledge to person and take further action to this workshop.
- This is an excellent workshop, needs to organize these type of workshop in future too.
- Workshop was held in a very good environment.
- Good and better than all other
- It was very good; things were very simple and understandable.
- You did a good work today.

42. Suggestions for improvement

Suggestions for improvement:

- Improve information mechanism for the participants like banners.
- Whatever you told us in this workshop, it should be done, so that we can save our Sindh.
- Make sure to do everything practically.
- This is a very excellent workshop and we got valuable information on drainage system and some other things, participants also giving some good suggestions to be added to this plan.
- Participation of farmers should be increased.
- You should organize such type of workshops at taluka level.
- Make sure to have more participation of different stakeholders.
- Try to increase number of participants.
- Workshop is very good but make sure that government official must attend the workshop
- This type of workshop should be organized in future too.
- Kindly solve the problems not only put them in file.
- Solve our problems; do not do only documentation.
- Available time for discussion is insufficient; we want to have more time for discussion.
- We are very thankful to you that you organized this excellent and informative workshop for us and we hope that those things about which you told us in this workshop will be practically



done.

THANK YOU FOR YOUR VALUABLE FEEDBACK

Stakeholders' feedback

Workshop-Location: -Mirpurkhas

Date: 03-12-2011

Total no of participates: 57

Total no of completed feedback forms: 36

43. How would you rate the invitation to participate at the workshop? (Please circle)

Excellent- 3	Satisfactory 21	Needs improvement 11	Not satisfactory 1
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Suggestions for improvement:

- The participants should be well aware of the
- We can improve in such seminar by including more than participation of representatives of local growers
- Must be them type of workshop
- Less participation must be better result
- For Improvement better LBOD water sector
- The reputation of SIDA and irrigation is no satisfactory. There is no need of LBOD and any of reputable social organization should involve in this matter
- The Participants of workshop were not given proper time to express their views on the issue.
- A copy of a workshop agenda should be provided to the participators before the commencement of workshop
- The agenda of workshop should be presented before the commencement of workshop
- The agenda of the workshop should be provided o the stakeholders to make their mind before the commencement of the workshop
- Defects should be removed from the management be listen and given worth to their views. They should be not be ignored and under estimated.
- It was pleasurable that the suggestions were taken / listened form stakeholders
- Good speakers and knowledgeable persons should be there in a workshop to make it much better and improved
- This workshop looked me satisfactory

44. What do you think about the organization and conduct of the workshop? (Please circle)

Excellent- 5	Satisfactory 15	Needs improvement 13	Not satisfactory 4
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Suggestions for improvement:

- Be aware the participants which should comprise all walks of life
- There should be taken written suggestions during workshop from participators and providing proper complete documents about issues to participators
- Because all the session was better
- Not enough space provided for this kind of workshop. The interaction is restricted. Needs better organization people and large space
- No Management
- Because all section and lecture was better so that we got all understand in better type
- Actually community members, villagers, labourers and framers need to involve



- The agenda of the workshop was not provided to the participants in advance
- Facility should be better
- There should be silence and discipline before the start of workshop
- The workshop should be organized in any village where stakeholders reach easily on the venue
- The project should be implemented practically so that it remained continue and should not be stopped in the middle. There should be precaution of the project up to the end of the project
- Stakeholders suggestions should be given worth and recognized
- Their role is good and positive. We are fully satisfied from their presentation, they explained briefly
- The foreigner lady, organizer sitting on the stage should make her attitude positive
- The matters on which discussions are made should be presented briefly and effectively
- Such type of workshops should be organized at least two times every year.

45. How would you evaluate the clarity and comprehensibility of the workshop presentations?
(Please circle)

Excellent-	3	Satisfactory	15	Needs improvement	17	Not satisfactory	1
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Suggestions for improvement:

- Presentation was normal but issues were not discussed in detail during workshop
- There is Lack of knowledge so representation must have comprehensive knowledge about project
- All type of presentation was excellent
- I have got all type of presentation in understandable, I am satisfied about it
- It was arranged improperly, there was much need of time and participants were forced to agree on the matter
- The Trainer was not trained and was unable to express his views properly for the understanding of the participants
- The Trainers were unknown about the facts and figures
- After the participation we know that the work on LBO is continued
- The material of the workshop should be provided in Sindhi language that must be prepared effectively
- Explanation should be better so that everyone understands
- There should be improvement in the presentation of trainers
- We understood a lot from this workshop and they helped us a lot to get us understood.
- It would be better that previous recommendations and suggestions should be presented and then views and suggestions should be taken from stakeholders in that relations
- A good explanation should be presented to make it much better
- Some better results are expected to be arranged so that

46. Would you evaluate the group work as: (Please circle)

Excellent-	9	Satisfactory	16	Needs improvement	7	Not satisfactory	0
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Suggestions for improvement:



- I have given a full concentration
- Discussion was fruitful and gave full results
- It was just only an effort t nothing else
- For group discussions, small groups of participants should be made.
- Yes, we also took part in discussion and explained the trainer.
- Continuous coordination, communication and workshops can bring change and improvements
- Everyone knows about the destructions of the flood.
- These kinds of group discussions should be arranged so that people increase their knowledge through them.

47. How would you rate the time available for discussion?

Sufficient	21	Insufficient	15
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Suggestions for improvement:

- Need of more time for discussion
- Because time was very short
- This type of workshop needs at least ten days to continue.
- A very short time was given to the participants who neither could understand nor get the understand to others
- According to the topic of workshop much more consideration is required
- Duration of the workshop should be increased
- If you start the implementation of the project then fulfill it completely.
- Our suggestion is that whatever is presented by trainer in the workshop, should be implemented practically.
- These matters should be discussed with the common persons
- It's my opinion that if any drain or embankment is built them suggestions must be taken,

48. General impression on the workshop

- The Workshop provided us an opportunity to discuss an others of importance for the farmer & committees
- Normal Workshop
- The Time Duration of workshop is less it should be minimum one day for briefing in detail

- Not Satisfactory
- It was good but people that were invited were limited. I guess better people could be gathered at this platform for better discussion
- It's not a workshop because in workshop max 25 to 30 participation
- The workers arrangement must improve because discipline setup was wah
- Such type of workshops should be and because all the stakeholders be aware about
- This workshop was preplanned and the participants were forced to agree on the matter..
- Actually it was an effort if such type of workshops were organized then there might be solution of the problem
- Inspite of many defects, workshop provided different views and ideas to consider.
- I learnt a lot from the workshop
- Organization workshop is a good act
- There is much need of time
- This workshop was good in which an opportunity was given to us to give views and I learnt enough.
- Duration for discussion was short and participators were not given time
- I learnt a lot
- Workshop remained effective and fruitful.
- Practice should be suitable and successful.
- The duration was very short. The participation in the group discussion of the stakeholders was not satisfactory. Inspite of that this kind of workshop should be conducted by the different organizations.
- This workshop looked good and effective it was only because we had given opportunity to express our views and gave suggestions
- It looked nice
- There is need of further improvement in the workshop presentation. It should be briefly explained. It was a good opportunity for understanding but it needs improvements in a good way. This project should be implemented as early as possible.
- Their policy is an effective initiative which is helpful and appreciation.
- It's a good effort
- Organizing workshop is a good initiative but it does not produce good results.
- the policy or agenda of the workshop should be sent to different departments of government
- The workshop was good enough such kinds of workshops must be organized and every one's suggestions should be given worth and importance

49. Suggestions for improvement

Suggestions for improvement:

- Workshop should be held at lower level i.e in rural areas
- There was need to improve the suggestions as before starting of workshop complete related documents of issues should be provided to participators
- May be called to lecture concerned qualified person
- Group discussion & group work exercise should be more than two (Discuss problems of participant regarding topic solution future plan etc)
- Not Enough numbers of stakeholders from various fields of society
- Every type of stakeholders must be active and make them active so that they can give them suggestion and improvement of LBODs program
- This is very sensitive and the matter of life and death for the people residing in this area
- The trainer should speak clear and understandable and at least a booklet should be published and provided to the participants
- Presentation should be clear. Trainers should be well trained. There should be translation of material written in English language
- The workshop was conducted in a small hall and when groups were made then these four groups made such a noise that it was impossible to listen anything properly. So far, there should be a big hall when such type of workshop is organized
- Steps should be taken to make workshop better for this kind of work only formality should not be fulfilled and an honest person is needed
- There should be punctuality of time
- This workshop was good and I cannot give any comment over it.
- Presentation notes should be provide before the presentation.
- Workshop was conducted in a small hall. This workshop needs a big hall.
- There should be punctuality of time
- Planning of anything is easy but it is too difficult to monitor it
- The agenda of workshop should be provided to the stakeholders before the commencement of workshop
- I have nothing else to say about this workshop and do not feel any need of further suggestions. It was a good workshop and looked nice. We have already given suggestions.
- Project should be implemented as soon as possible
- People of different field participate who are not aware about the topic. In the beginning they all should be briefly explained about the workshop so that their participation should be effective and fruitful.



- Effective measures should be taken for getting better result on the discussion made in a workshop to make it realistic
- Main things should be focused
- The strategy that you are planning must be in the knowledge of people who are residing in the village from where the drain is crossing.

THANK YOU FOR YOUR VALUABLE FEEDBACK



Stakeholders' feedback

Workshop-Location: - Sukkur - Ghotki

Date:

13-12-2011

Total no of participates: 83

Total no of completed feedback forms: 50

50. How would you rate the invitation to participate at the workshop? (Please circle)

Excellent-	20	Satisfactory	23	Needs improvement	7	Not satisfactory	
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Suggestions for improvement:

- There type of workshop should be organized in villages instead of big hotels that can produce more results
- Such kinds of workshops should be organized in future.
- This would be better if these type of workshops should be organized in small villages instead of big hotels in cities
- The workshop was a good program but time should be increased to make it more clear
- Need improvement
- I am satisfied form this workshop
- Drain work should be complete in our suggestion
- There type of workshop should be organized in villages instead of big hotels that can produce more results
- The plantation is necessary because there plants decrease pollution
- More stakeholders would have been involved especially from Ghotki area
- Such type of workshops should be organized in villages instead of big hotels that can produce much more results
- Such type of workshops should be organized in villages instead of big hotels in cities that can produce more results
- Kindly as per requirement, may be called to concerned authorities and stakeholders as businessman landlords
- In future lecture deliver technical person related their fields
- Solve the problems to arrange workshop
- It is much better that these problems and issues should be taken to those people who are directly involved
- Participation in the workshop remained satisfactory the survey should be conducted, visiting with exports and knowledgeable person form society and suggestions should be taken



- Questions should be asked from farmers so that they may be clear
- As far as my opinion is that whatever presentation is given in the workshop, how much is it successful and based on reality. After all, ask from great experts and, farmers and landlords of the villages

51. What do you think about the organization and conduct of the workshop? (Please circle)

Excellent-	19	Satisfactory	23	Needs improvement	8	Not satisfactory	
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Suggestions for improvement:

- In this workshop problems concerned with water were focused much more than agriculture
- I think good about this workshop
- This type of workshop should be made possible and this workshop should be represent at global level
- There should be implementation of whatever is discussed in the workshop
- There is a good arrangement in a workshop
- As in this workshop agriculture related issues and problems of water have been discussed representatives from agriculture department and society should be present on this occasion.
- These kinds of workshop should be organized because through them the knowledge and consciousness of the person increase. They enthusiastically work more for their country
- An in this workshop irrigation as well as the problems of water have been discussed. Representatives from irrigation department and society should be present on this occasion.
- As in this workshop irrigation related issues and problems of water have been discussed representatives from agricultural department and society should be present on this occasion
- Absence of experts of other fields except irrigation
- This workshop organized very well to solve the problems for water
- There is a good arrangement of workshop but the time is long. There is the need of activeness and improvement of the program
- There is a good arrangement in a workshop
- These types of programs should be organized so that people increase their awareness. In this workshop I understood and they get up explained briefly

52. How would you evaluate the clarity and comprehensibility of the workshop presentations? (Please circle)

Excellent-	15	Satisfactory	25	Needs improvement	8	Not satisfactory	
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Suggestions for improvement:

- Good suggestions were given in a workshop
- A good presentation was given
- I have learnt a lot from this workshop which will be much beneficial for me in future
- I understand to these topics which introduce in presentation
- Excellent I understand from this workshop
- This workshop needs more improvements
- I could not understand whole some things remained unclear
- A good presentation was given in a workshop
- There should be plantation of trees in the streets and on main roads. In this way the beauty of cities increases
- A good presentation was given in a workshop
- A good presentation was given in a workshop
- Averagely satisfied
- Workshop have many kinds of problems, to solve the problems some points
- We understood a little about the irrigation that was discussed in a workshop
- Manla Bun Sahib's style of explaining was very interesting and simple. We will impart them to the communities in villages.

53. Would you evaluate the group work as: (Please circle)

Excellent- <div>18</div>	Satisfactory <div>24</div>	Needs improvement <div>3</div>	Not satisfactory <div></div>
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Suggestions for improvement:

- An irrigation and forestry officer should be appointed for flood
- Irrigation and forest officers should be well aware
- Yes I satisfactory to in this workshop
- Yes I understand this work for all peoples of province sindh
- Yes, we understand whatever is presented in the workshop
- Representatives from agriculture and forestry departments should be well aware about the flood
- Representatives from irrigation and forestry departments should be well aware about the flood
- Representatives from agriculture and forestry departments should be well aware about the flood
- Need to save environment thought degradation of ecosystem
- Solve the problems with groups its very excellent
- We are satisfied from the presentation of this group and the lady explained very well.
- We understand about the work of a group and we gave suggestions on it.

54. How would you rate the time available for discussion?

Sufficient <div>33</div>	Insufficient <div>11</div>
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Suggestions for improvement:

- An number of good things learnt from this workshop
- Local residents should be given participation in the project
- Workshop should be organized in villages that the impression develop in villages
- More time should be given for discussion to make it more understandable for us
- Not sufficient time for workshop
- Because for discussion time is insufficient
- The duration of the workshop is limited so time should be increased because of vastness of the subject
- Discussion is understandable
- But give e-mail to give more suggestions
- Every farmer should get know in their villages
- It was a very good workshop

55. General impression on the workshop

- It's an excellent effort but the participants should be given opportunity to express their problems
- We should get rid of from workshop system
- Chance should be given to local NGOs as well.
- This is a good program and such type of programs should be organized
- It left good impressions
- Government employ should be involved
- There should be active presence of a such person who could make it possible
- An authoritative person must be present
- It is better but government must be involved
- It is an effective discussion and it should be happen in future
- There should be the presence of a source able person who could accomplish the project
- Source full person of government should participate and involve
- Good
- Government employ should be involved
- This kind workshop arranged very well, before workshop I don't know about sindh water sector improvement project and also programme of regional plan for the left bank Indus delta and coastal zone
- Knowledge able
- Stake holders and affectees were not involved
- As the workshop become attractive and this session is for only visitors
- It was a good workshop
- It's an excellent effort for this
- It was a good workshop we got such knowledge that was not known before
- General impression o workshop is that the implementation should have to another workshop or conference
- It's a general thinking that there should be understanding of this project in this workshop
- It's an excellent effort and the participants should be given an opportunity to speak on those points which were not included in an agenda
- Such type of group discussion and workshops increase the knowledge and because helpful for the common persons. Through organizing them possibility of illiteracy can be decreased
- Workshop was important and these type of workshop s should be continued upto root level
- It's an excellent effort and the participants should be given an opportunity to speak on those points which were not included in an agenda
- It's an excellent effort and the participants should be given an opportunity is speak on those points which were not included in an agenda
- Good
- Workshop improve or knowledge
- Cleaning of rivers and canals to improve the all suggestions to solve problems
- These kinds of workshops should be organized at the local level
- There was exchange of views in the discussion, honestly, the implementation should be made possible
- These type of workshops should be organized frequently so that people increase their knowledge

56. Suggestions for improvement

Suggestions for improvement:

- Workshop should be organized but effective measures must be taken to ensure possibility
- Such type of programs should be organized at local level to get much benefits at local level benefits
- There is more need of such types of programs
- Government involved must
- There must be the government employ who could make it possible to implement it
- A representative from government must be involved to make it possible
- Personally government should be involve and implementation should be made possible
- We should need to involve everyone who is joining seminar
- There must be the government employ who could make it possible to implement it
- Any member of chief minister cabinet should be member of this workshop
- Prior to organizing workshops, agendas and suggestion the occurring problems should be given so that / recommendations for the solutions should be provided
- Government involved
- This programme of regional plan for the left bank Indus delta and coastal zone is very good programme and this programme is necessary and that also need and should be implement this programme
- AWB-FO and stake holders should be informed timely so that they may come with relevant information
- Improvement requires, need the workshop just like valuable suggestions but co-ordinations with other department
- There should be implementation of whatever is discussed in the workshop
- Last I want to say to president of this workshop please improve to workshop and repeat conference or another on the 2nd date
- I suggest to workshop need for improvement
- There are my suggestions to bring betterness that whoever are present in the workshop should understand the things which are being discussed and these same participants should impart them to others
- Main canals should be cemented instead of small tributaries
- It's an excellent effort and the participants should be given an opportunity to speak on those points which were not included in an agenda
- That day will come when people would be more passionate and helpful to each other people will be more passionate and enthusiastic about their country. Our dear homeland will be prosperous and successful in the future.
- More people who have field experiences should be invited people who are the suffers their input is vital
- It's an excellent effort and the participants should be given an opportunity to speak on those issues which were not included in an agenda
- It's an excellent effort and the participants should be given an opportunity to speak on those points which more not included in an agenda
- Kindly agenda and issues may be shared already as participator may come with already
- Increase ration of all related fields experts
- Cleaning of rivers and canals to improve the all suggestions to solve problems
- The number of this team should be increased, knowledge should be received from the people through SMS or email. Contacts must be developed with the retired engineers and social workers
- Government should be make committees to start work and individually every farmer should get know
- We were unknown about the things discussed in the workshop before and now we understood



a lot. After all we got knowledge about the whole sindh and we will discuss these things in our AWBG meeting in Ghotki. Its our request to you all that saline and polluted water from Punjab destroying us so there must be its solutions

THANK YOU FOR YOUR VALUABLE FEEDBACK

Stakeholders' feedback

Workshop-Location: - Badin

Date: 19-12-2011

Total no of participates: 56

Total no of completed feedback forms: 23

57. How would you rate the invitation to participate at the workshop? (Please circle)

Excellent- <input type="text" value="2"/>	Satisfactory <input type="text" value="12"/>	Needs improvement <input type="text" value="7"/>	Not satisfactory <input type="text"/>
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Suggestions for improvement:

- More stake holder should be made to participate
- Need more workshop at field places
- You must invite field staff who are working in different agencies in Badin
- Improvement in workshops
- Given suggestions should be presented
- It's a better workshop. There should be implementation as early as possible. In case dissolution of government work should not be influenced and halted
- More time should be given to affected person
- Participation should be made possible of all the relevant stakeholders
- Workshop remained fruitful for awareness so there must be implementation

58. What do you think about the organization and conduct of the workshop? (Please circle)

Excellent- <input type="text" value="5"/>	Satisfactory <input type="text" value="13"/>	Needs improvement <input type="text" value="2"/>	Not satisfactory <input type="text"/>
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Suggestions for improvement:

- Since the workshop pertains to the area of LBC, AWB therefore there should have been more productive avocation with to board
- No need
- Some need of village peoples which were effected during flood
- It's a satisfactory workshop today and we are hope full for its implementation
- Everything is right instead of the delaying of the program
- Punctuality should be maintained an participation of technical persons should be made possible by taking various steps
- Whatever decisions are taken in this workshop should be practically implemented as early as possible for the safety of the people form the next flood.

59. How would you evaluate the clarity and comprehensibility of the workshop presentations? (Please circle)

Excellent- <input type="text" value="1"/>	Satisfactory <input type="text" value="14"/>	Needs improvement <input type="text" value="4"/>	Not satisfactory <input type="text"/>
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Suggestions for improvement:

- The Report prepared must have been sent to the participants before the commencement of workshops an objective study results
- Questions and answer session must be in the end of presentations
- Many holds takes which addressing peoples in workshops
- Taken suggestion form technical persons
- I understood everything completely and the way much better
- We will satisfy only when more reliable and authoritative personalities give explanation
- There is more need of such type of workshops
- More time should be allotted for the presentation answers should be given satisfactorily after the proper explanation

60. Would you evaluate the group work as: (Please circle)

Excellent-	6	Satisfactory	12	Needs improvement	1	Not satisfactory	
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Suggestions for improvement:

- It is already excellent expert of concern sector objective were facilities
- Participation from all stakeholders should be ensured
- Manage time as according
- Few
- LBOD should completely open for out flow through Dhoru Puran
- Proper estimation of resources including study and time frame should be given
- Whatever collective decisions are taken in group discussions should be implemented and made possible through federal and sindh government and donors

61. How would you rate the time available for discussion?

Sufficient	13	Insufficient	5
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Suggestions for improvement:

- Should be time oriented
- Time is too short for this major issue
- Play be extended
- Punctuality of participants
- Good
- Take suggestion form technical persons
- Proper time should be allotted to the workshop
- It was a knowledgeable workshop

62. General impression on the workshop

- Productive, the organizers appear to have done a good home work. There apparently a good team work
- Satisfactory
- Net the knowledge about the (WISP) programme and collect the opinion from the stakeholders
- Good
- Good but need for improvement
- Its really good, that all stakeholders are there to solve the matter
- It is excellent but participants should take care of language during presentations
- Satisfactory improvement for master plan suggestions
- Good improved for date and punctuality of participants and time accuracy
- Good
- Workshop was nice efforts on the flood situation
- Good
- Few
- These types of workshop should be organized frequently but is very pity that there is not any implementation of the given suggestions
- This workshop is a good step
- Today's workshop left better impression
- These type of workshops should be organized for the betterment of local areas so that they become secure form hazards
- Opportunity of the participation was given
- Poisonous and polluted water form Punjab province should be flowed out through LBOD and KPOD as early as possible

63. Suggestions for improvement

Suggestions for improvement:

- When any technical problem is being given by any respect. He should give same time for questions answers / discussion
- Area affecties involved in the seminar more in
- Gender Participate
- Also same participation of stakeholders and field staff experience
- I have given in the paper
- Time punctuality is very much necessary so next time all the stake holders must ensure their participations female participation also be increased
- Need time implementation satisfactory
- Gender participation may be increased timely implementation on suggestions
- The local people should be given more time to present problem of the area
- To ensure punctuality / time management
- This works to open and asked from effected people and open task takes any the people
- Majority of the people form affected areas invited and suggestions must be taken from them
- These types of workshop should be organized
- Small land owners should be included
- These type of workshop should be organized majority of the people should participate. Persons participated in the workshop should be given opportunity to express their views
- Punctuality should be maintained
- Old flows including LBOD and KPOD should be kept continue



THANK YOU FOR YOUR VALUABLE FEEDBACK



Stakeholders' feedback

Workshop-Location: - Hyderabad

Date: 29-12-2011

Total no of participates: 99

Total no of completed feedback forms: 37

64. How would you rate the invitation to participate at the workshop? (Please circle)

Excellent-	10	Satisfactory	16	Needs improvement	6	Not satisfactory	1
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Suggestions for improvement:

- Need participation of local stakeholders
- Document be given or sent to the mail address
- Should start at time
- These type of workshop should be conducted regularly, but after it the results and out comes should be analyzed thoroughly and problems should be solved accordingly
- It was important to informative participant about the content earlier
- These type of workshop should be organized in the affected areas
- Need Improvement regarding participation of given stakeholders all fields concern
- Need Participate work in site, not in paper
- It should be participant centered. It contains number of topics, but workshop proceeding time is limited
- It should among community and all stakeholder accept Hotels
- We knew through this seminar that how can we face the situation after the destruction caused by the floods
- Livelihood is not discussed in this workshop
- Elaborated presentation is regarded
- My suggestion for the construction of drainage system is that suggestion and advices should be taken from the people residing in those areas through which LBOD is crossing then project should be implemented
- Need to start an time activities
- This workshop is an excellent one but these kinds of programs should be organized at lower level with the farmers. Suggestions and recommendations should be taken by publishing advertisements in newspapers and through websites these kinds of workshop should be organized at taluka
- I could not reach on the time in program the participation of the representatives of the concerned departments should be made possible
- To introduced this workshop in coastal area and Indus River areas related human being problems solved in different district

65. What do you think about the organization and conduct of the workshop? (Please circle)

Excellent-	15	Satisfactory	13	Needs improvement	5	Not satisfactory	
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Suggestions for improvement:



- Improvement all social programme well presentation
- Need improvement in time management
- Good
- Stakeholders feedback Performa shall cover all aspects category wise
- The effected persons should be invited their problems and issues should be discussed and must be get their solution
- It is fine but time limited
- Suggestions and recommend
- To improve the all required information for workshop
- Satisfactory, but it needs less number of participants
- These kinds of workshops should be organized in the affected areas so that the affected people may participate
- Organization should be more effective and workshop was well organize
- There was a good arrangement in the seminar
- It was a better workshop. The briefing that was given should be prepared in sindhi language. A guide book should be provide to every participant. In the end certificates should be given to all
- To solve the main problems for related to the human

66. How would you evaluate the clarity and comprehensibility of the workshop presentations?
(Please circle)

Excellent-	3	Satisfactory	17	Needs improvement	13	Not satisfactory	1
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Suggestions for improvement:

- Little detail presentation
- Not clarity in date presentation
- All things were did not completely and clearly requesting you should clear all things
- Right special @ right problem be highlighted
- Presentation was elaborative but some aspects were not vivid
- The real picture should be shown
- Not clear many thing were hidden
- Needed more efficiency
- Distribute copies of the preview in summary
- Satisfactory
- The agendas of the presentation were better but they were n not explained briefly. Plans were not



clearly mentioned during the presentation of the workshop.

- I learned a lot by the presentations but figures and actual livelihood of people was missing
- The presentation that was given in the workshop was a little bit complex and difficult to understand. It would have been better if it explained briefly
- It has come to my notice that the ground realities are sometimes not taken into account in some issues so better visit the sites also
- Construct projects within a short period so that the people may get benefits who are related with them
- Need to improvement as same points
- Same as described in 2
- The standard of the discussion session should be improved so that the participants can give their suggestion in their best and effective way. Environment of the discussion should be better so that the participants suggestions should not be ignored
- Some important issues were discussed in which LBOD was considered beneficial. But when it flows backward and causes great destruction of the area, then is there any solution taken for that problem that affects a lot of population
- The presentation must be more clear and informative
- To conduct the seminars in UC level, Taluka and District level

67. Would you evaluate the group work as: (Please circle)

Excellent- <div>9</div>	Satisfactory <div>19</div>	Needs improvement <div>5</div>	Not satisfactory <div></div>
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Suggestions for improvement:

- Well done I understand Group Work
- The workshop looked good and we discussed in groups. We understood so many things were not known before this workshop
- Item wise agenda discussion is required
- The group work or group discussion must be truthful
- Short time
- It would be quality wise on the ground
- My group discussed the topic deeply and proposed suggestion which I think will work
- Questionnaire was not comprehensive
- The scope of this group needs to be widened to include all the environments
- It's an excellent act to solve the problem through advice or consultation
- Workshop remained excellent and the presentation on the occasion was fruitful
- To reach sources provided for human being

68. How would you rate the time available for discussion?

Sufficient <div>27</div>	Insufficient <div>9</div>
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Suggestions for improvement:

- This workshop improve other
- Time was insufficient
- Need more time to discussion for educate
- Discussion should be there but the implementation of those projects is necessary as well as concentration must be given
- For discussion I think the time was given to us was enough
- Suggestion should be done
- Do some more open discussion, media and civil society
- Keep just the given group otherwise it will be a little more
- A group leader should be selected from the related field for the group discussion
- During group discussion session, all the groups discuss with each other. Therefore, collective suggestions can produce fruitful results
- There are big issues, needs more time to discuss
- To add many discussion in this workshop

69. General impression on the workshop

- Explain the deeply
- Generate impression on the workshop good
- Successful organization
- Good
- Satisfactory
- Its informative and good workshop
- Idea was good but the way was conducted seem just to inform
- a workshop was organized in June at Umerkot but at the current situation another workshop should be organized again after the monsoon rainfall floods 2011 and suggestions should be taken
- it was important workshop more knowledge from experts
- well organized but discussion groups were not given with mandate to devise / suggest technical points
- V.Good
- Good
- That type of workshop would be conduct but the involvement of local people should be more
- Workshop is good and knowledgeable
- Not only workshop arrange I agree with that project all things ok
- Workshop was informative
- Its very informative
- Not started on time
- To protect SIDA and enhance activity of SIDA
- Good interactive for participation of expert and community procedure
- Satisfactory
- Good
- It was excellent workshop
- God help those who help themselves
- Good to recovers the opinion of all stakeholders
- The upper Nara Canal was not included in the areas which were briefed in this workshop where as this canal exists on the left bank of Indus River
- Actually workshop is being organized for the important purpose. This workshop represents affected areas but for making it more effective much more efforts should be taken
- Its good and knowledgeable workshop

- Yes to achieved the main requirements of human being

70. Suggestions for improvement

Suggestions for improvement:

Going to any area and monitoring the all area

- Improvement must more other canal next further increases of. Solve problems
- Time is not properly management, the overall it is successful
- The atmosphere of the workshop was very nice but it needs much more improvement
- Presentation be effectively done
- Workshop shall be organized in concerned Area Water Board and more stakeholders be invited.
- After discussion the results must be come out
- If one really needs constructive idea all should be aware of the every aspect
- Arrange same workshop at entire area of left bank regarding participation of all stake holder of the concern areas
- According due to absence of technical criteria
- Discuss person comes of the various,
- SIDA and Sindh Government, Take primary stage and working properly at the effects side
- That type of workshop should be at UC level, with the involvement of all stakeholders especially women involvement
- Project should be transparent and proper monitoring of canal tube wells is necessary
- Comprehensive data and which you plan should implement and do better for that
- In next workshop there is must be increase the participant of local people.
- Statistics must be included
- Suggestions are necessary for taking right decision due to which different suggestion will come from different participants
- These type of workshop should be organized openly for the common people so that they may well done
- Workshop should have been started on time, increase number of participate divert concentration towards workshop
- To work honestly
- Incorporate good suggestion from participants



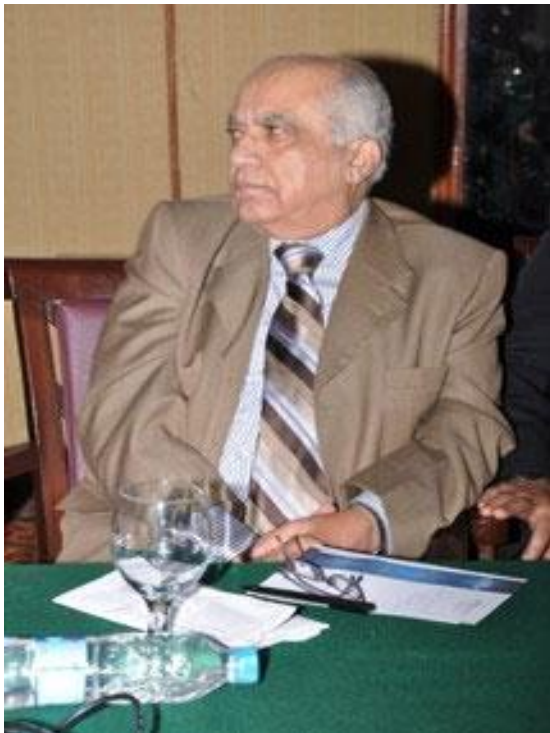
- Specific presentation can improve the theme of the workshop
- Scope of feedback of stakeholders be indeed to every low level
- Some support to the outsider participates is required
- Sincerely think about others, help them and start work for their betterment
- Meeting should be organized with the farmers at lower level. Environmental awareness should be taken from the women residing in villages through conducting meetings
- Participation in the workshop should be made more possible and people from different walks of life should be invited
- Problems must be solved
- To continuously workshop in different places.

THANK YOU FOR YOUR VALUABLE FEEDBACK

ANNEXURE XIX:- PHOTO GALLERY











ANNEXURE XX:- PRESENTATION OF NATIONAL WORKSHOP HELD IN KARACHI

Note: This Annexure is attached separately to the report.