

**Field Report on Environmental Aspects
Of
Walk through Survey**

RD-196 L/S (Upper Nara Canal)

Nara Canal Area Water Board

Prepared by

**Akbar Ali Khatian
Ecologist
R&D-SIDA Hyderabad.**

1. Introduction

Name of Minor:	RD 196 L/S (Upper Nara Canal)
Location:	Near Sikanderabad Choondko (Lower Nara Canal)
Length :	34 RDs
Intake Source:	Nara Canal

As per integral part of Walk Through Survey (WTS), Environmental Baseline Data collected to mitigate negative impacts of rehabilitation work of Barrare Minor.

The environmental observation on Barrare Minor obtained through Rapid Field Investigations.

2. Environmental Observations

There is no procedure has been adopted by consultants for Environmental Scoping, however, site information Proforma or Questioner has been devised by consultants, which is more specific to Social Environmental Conditions and to assess resettlement impacts.

2.1 On Site and Adjacent (Buffer Zone) issues

- (a) With respect to environmental impacts on site and adjacent area (Buffer Zone i.e. up to 50 Feet) is expected to lead major no negative or significant impact. However, there is modest impact on adjacent wetlands located around the Minor.
- (b) At the Head of both sides of Minor Date Orchards has been established. The present trees of dates are mature and will produce their yield. However, some trees of dates have recently been planted along the embankment.
- (c) A parallel private Minor also runs along the RD-196 Minor.
- (d) No major resettlement will be taking placed during rehabilitation work.
- (e) Minor are silted and its provide stoppage to water, in that result seepage occurs around the canal and causing creation of Wetlands.
- (f) These Wetlands support fauna and Flora, dominated by Reeds and phyrgmites. Vegetation is significant embankment to Birds and Fishes.
- (g) It is also observed that these Wetlands supports fisheries. Migratory Birds have also seen and observed during WTS in these Wetlands.

- (h) It has also been observed that Birds and some mammals have established their rodents holes in embankment of Minor.

2.2 Impact on Vegetation, Trees and Wildlife

Most important impacts will be created on date trees orchards which are located at head of Minor. New plants of date tree have also been planted.

Pockets of shrubs are also located within the buffer zone area and some wetlands are also adjacent to minor. Rehabilitation work will create possible some extent to negative impacts on Vegetation and trees.

The location of Minor support to juxtaposition ecosystems, desert and dune is spread around the Minor, on other hand; agriculture and fresh water ecosystem are also placed. This juxtaposition creates versatility of Wildlife and supports various birds' species. During WTS it has been also observed that most biodiversity getting water for their survival from this minor. However, there is no negative impact on this Wild community, except those animals and birds which they have built there nest and hole within the embankment or buffer zone area.

2.3 Impacts on Game Reservoir, Wetland and Wildlife

It is conceived that rehabilitation work will support to water efficacy and in that result these wetland will be dried out, however, it is possible that they could get water during rain season. Therefore this may create temporary or minor negative impact on Migratory or Resident birds as well as fishing.

Although there is no commercial fisheries on these wetlands. But local people often do fishing in these wetlands. However, there is no Game reservoir within the limits of Minor and no any Wildlife Sanctuary is located.

It is possible that if these Wetlands will be dried out, birds may migrate to other nearby wetlands.

No forests are located within the sub-project limits.

2.4 Social & Resettlement Issues

No Major Resettlement is involved in rehabilitation activity. Except orchard issue at Head.

3. Conclusion

- (a) IEE/ EIA may be conducted to find out any possible impact on Wetlands.
- (b) An inventory of Bird, Fishes and mammals may be prepared.

Table -1 (Name of Plants/Trees/ Shrubs)

Sr. No.	Local Name	English /Scientific Name	Type
1.	Babul	Acacia nilotica	Tree
2.	Khajoor	Phoenix sylvestris	Tree
3.	Sar	Saccharum ciliare	Grass
4.	Davi (English Babol)	Acacia farnesiana	Small tree
5.	Ak	Asclepiadaceae	Shrubs
6.	Kandi	Mimosaceae	Small tree

Satellite Imagery of RD-196 Minor



Head

Orchards of
Date trees

Orchards of
Date trees

Wetland

RD 196 N

WTL 196

RD 11

2971 ft

© 2010 Google
Image © 2010 DigitalGlobe

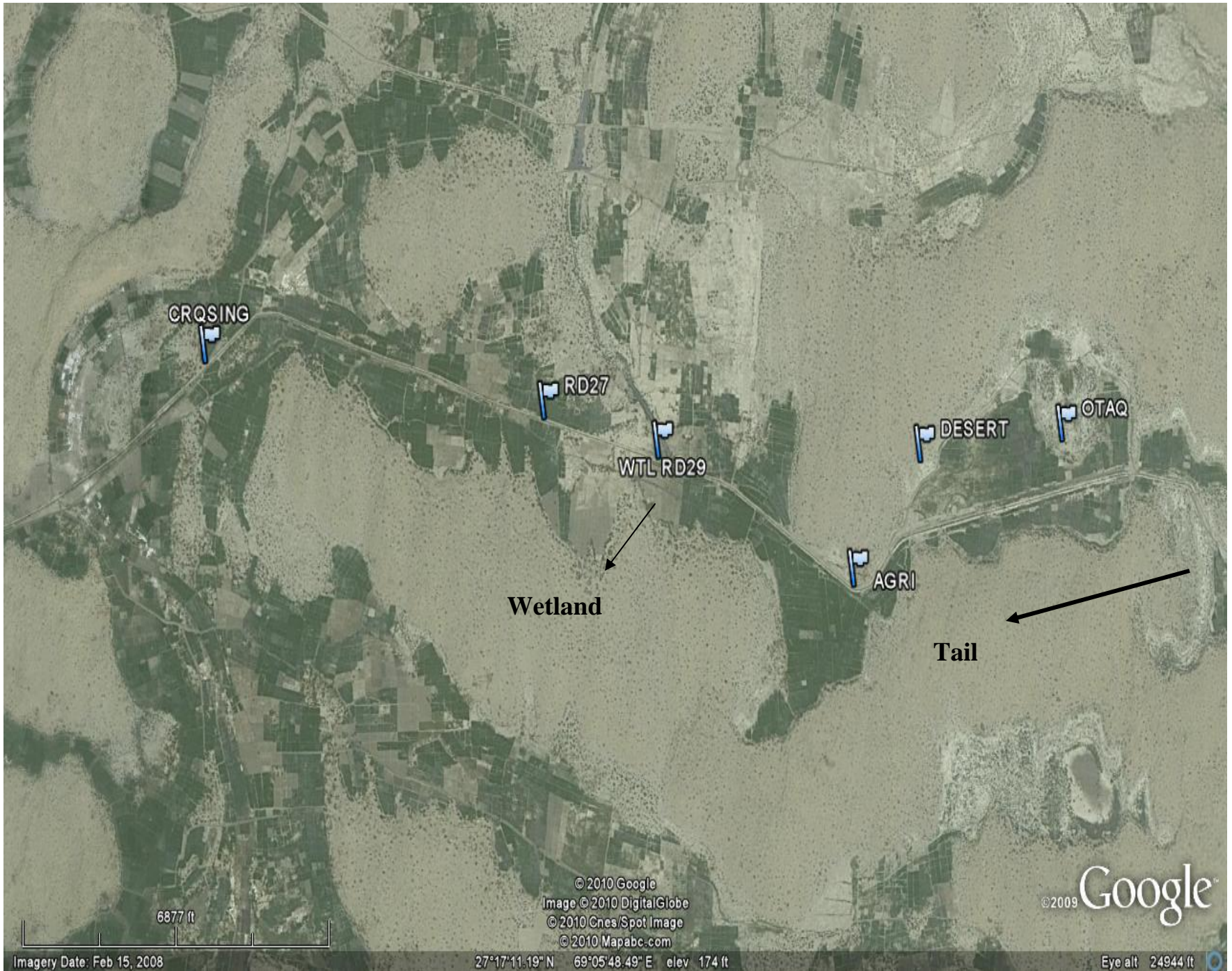
© 2009 Google

© 2010 Mapabc.com

Imagery Date: Feb 15, 2008

27°16'46.81" N 69°01'46.76" E elev 172 ft

Eye alt 11274 ft



CRQSING

RD27

WTL RD29

DESERT

OTAQ

AGRI

Wetland

Tail

6877 ft

© 2010 Google
Image © 2010 DigitalGlobe
© 2010 Cnes/Spot Image
© 2010 Mapabc.com

© 2009 Google

Imagery Date: Feb 15, 2008

27°17'11.19" N 69°05'48.49" E elev 174 ft

Eye alt 24944 ft