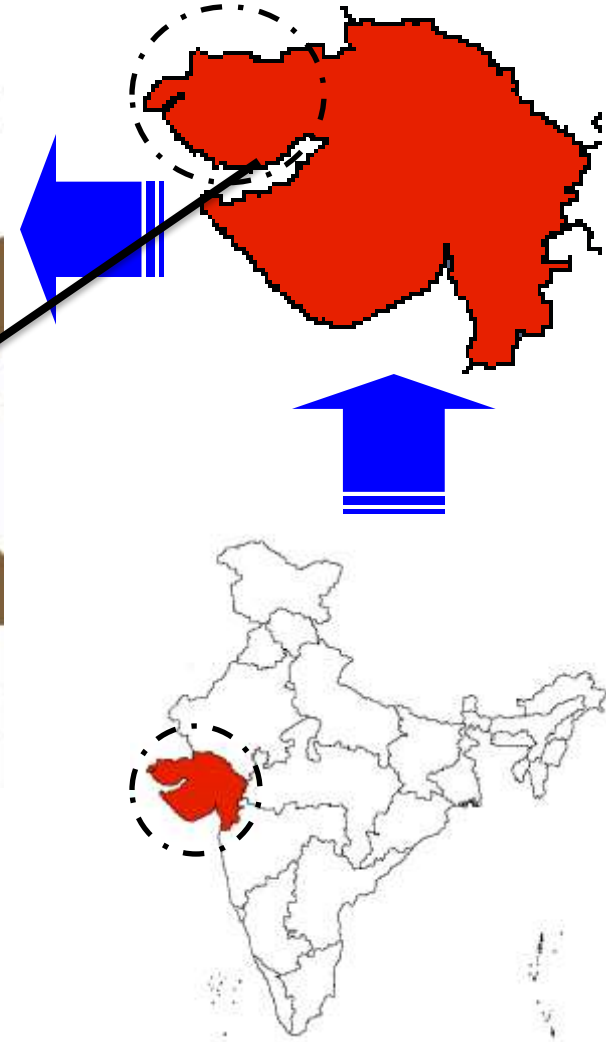
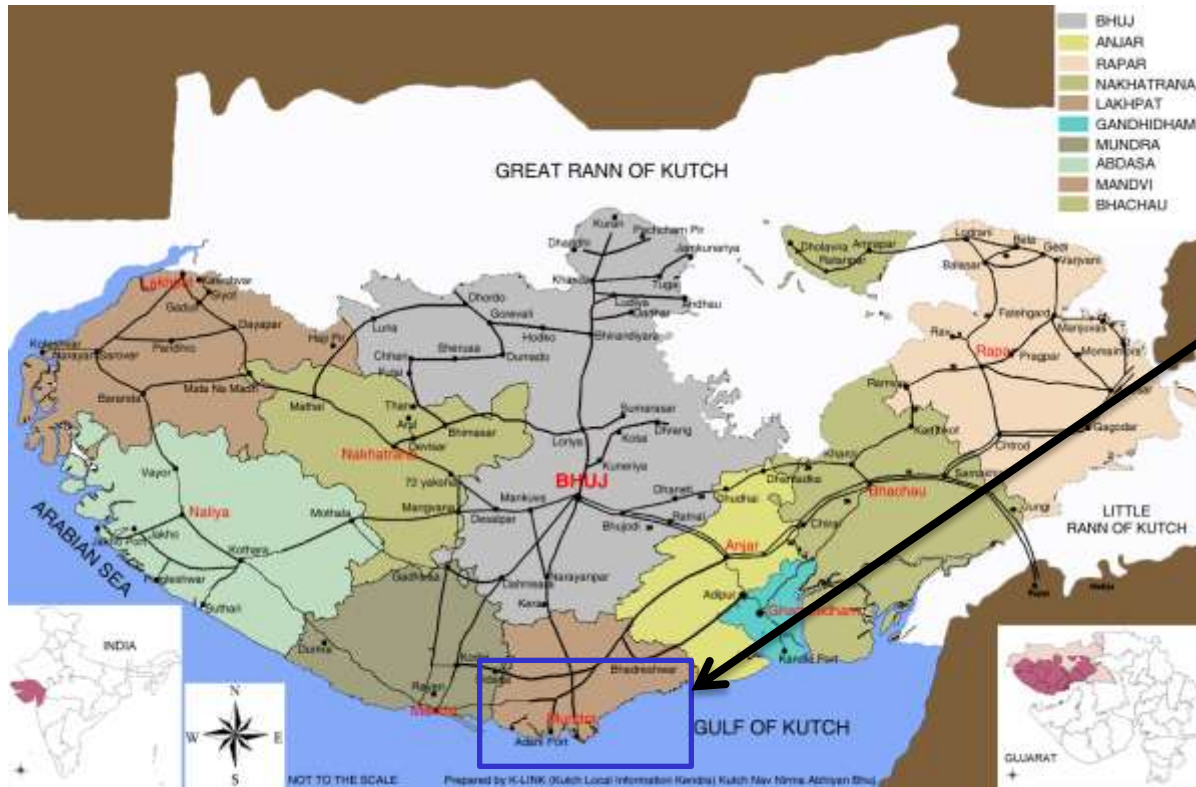




Issues along Mundra Coast

**Bharat Patel,
Machimar Adhikar
Sangharsh Samiti**

Location of Mundra Block, in Gujarat State of India



Gulf of Kutch Ecology



•Mangroves :

The area under mangrove cover along the Gujarat Coast is the second largest, after Sunderbans along the Indian coast. Gulf of Kutch accounts to 93% of Gujarat mangroves.

•Coral Reefs:

Islands in the Marine National Park bordering the southern shore of the Gulf support coral and coral reefs. The age of these reefs varies from 5240 years at Salaya to 45,000 years at Okha .

•Marine Algae:

The Gulf has more than 210 Species of marine algae. These marine algae, in combination with the corals and Mangroves, provide a very healthy, useful and conducive ecosystem for the diverse flora and fauna existing in the Gulf.

•Creeks and Estuaries:

A vast network of creeks, estuaries, mudflats and intertidal area exists due to the conical shape of Gulf of Kutch.

• Fisheries:

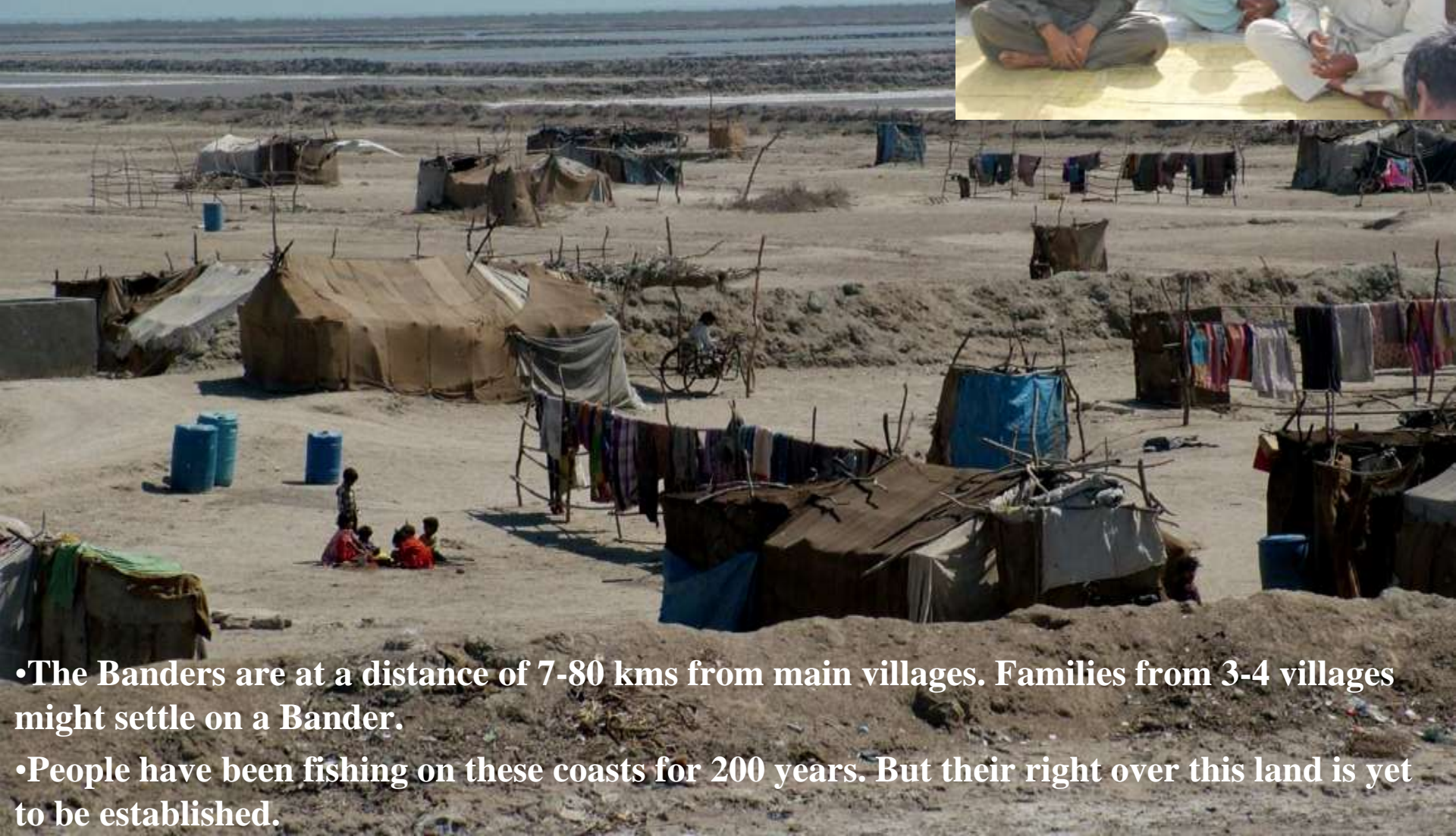
Gulf of Kutch provides suitable ecological and environmental conditions and sustains a variety of exploitable species fishes with an annual average catch of 1.4 lakh tons.

•Marine National Park:

An area of 457.92 sq. km in Gulf of Kutch was declared as Marine Sanctuary and 162.89 sq. km was notified as Marine National Park.

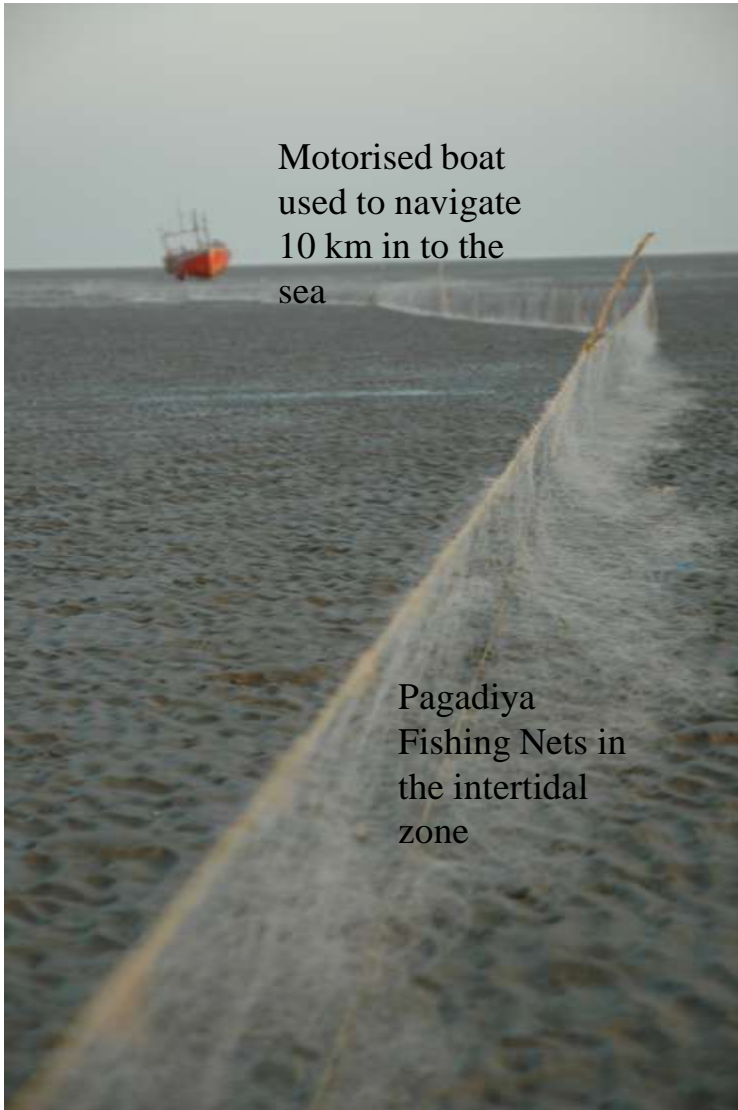
Life in the Bander

A tribute to the Strength and Endurance of the Waghers



- The Banders are at a distance of 7-80 kms from main villages. Families from 3-4 villages might settle on a Bander.
- People have been fishing on these coasts for 200 years. But their right over this land is yet to be established.

Traditional Fishing



Though Fisherfolk have been using the Bander for over 200 years, their rights over the Bander are not recognized.

Industries

Almost entire stretch of coast used for Port/SEZ

Nearly 25,000 MW coal based power plants

Industries along the National Highway

Top 3 type of Industries

Multipurpose Port / SEZ

Power Plants (5)

Metallurgical Industries (9)

Total Investment : 1,41,909 Cr

No. of Industries : 44

Employment Generated : 50915



Affected Livelihoods – Fisheries

Location of different Marine Fishing Villages (*Bandars*) in Mundra Coast superimposed on the map of the proposed MPSEZL (WFDP)



Figure 2.2.1: Infrastructure facilities in MPSEZL

Annual Fish Production in the area affected by the MPSEZL/WFDP

12027 MT, Rs.60.8 Cr

Source of data (Annual Fish Catch in MT): Fisheries Department Bhuj.

Note:

1. Average annual fish catch for the period 2000-05 has been mentioned.
2. Total Fish catch includes Fish catch by mechanized boat and Pagadia fishing.
3. Value of Fish catch has been calculated on basis of current Market Prices.

Super impose in Waterfront Project



2.1 Infrastructure facilities in MPSEZL

© 2010 Cnes/Spot Image
Image © 2010 TerraMetrics
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image © 2010 DigitalGlobe

©2008 Google

Eye alt 56.69 km

22°45'45.35" N 69°41'31.00" E

Original terrain of West Mundra Coast (in 2005)



New construction in West Mundra Coast (as seen in Dec 2008).
EC was given in January 2009, In principle FC was given in February 2009



Original terrain of Central Mundra Coast (in 2005)



New construction in Central Mundra Coast (as seen in Dec 2008).
EC was given in January 2009, In principle FC was given in February 2009



CPL 1400mw

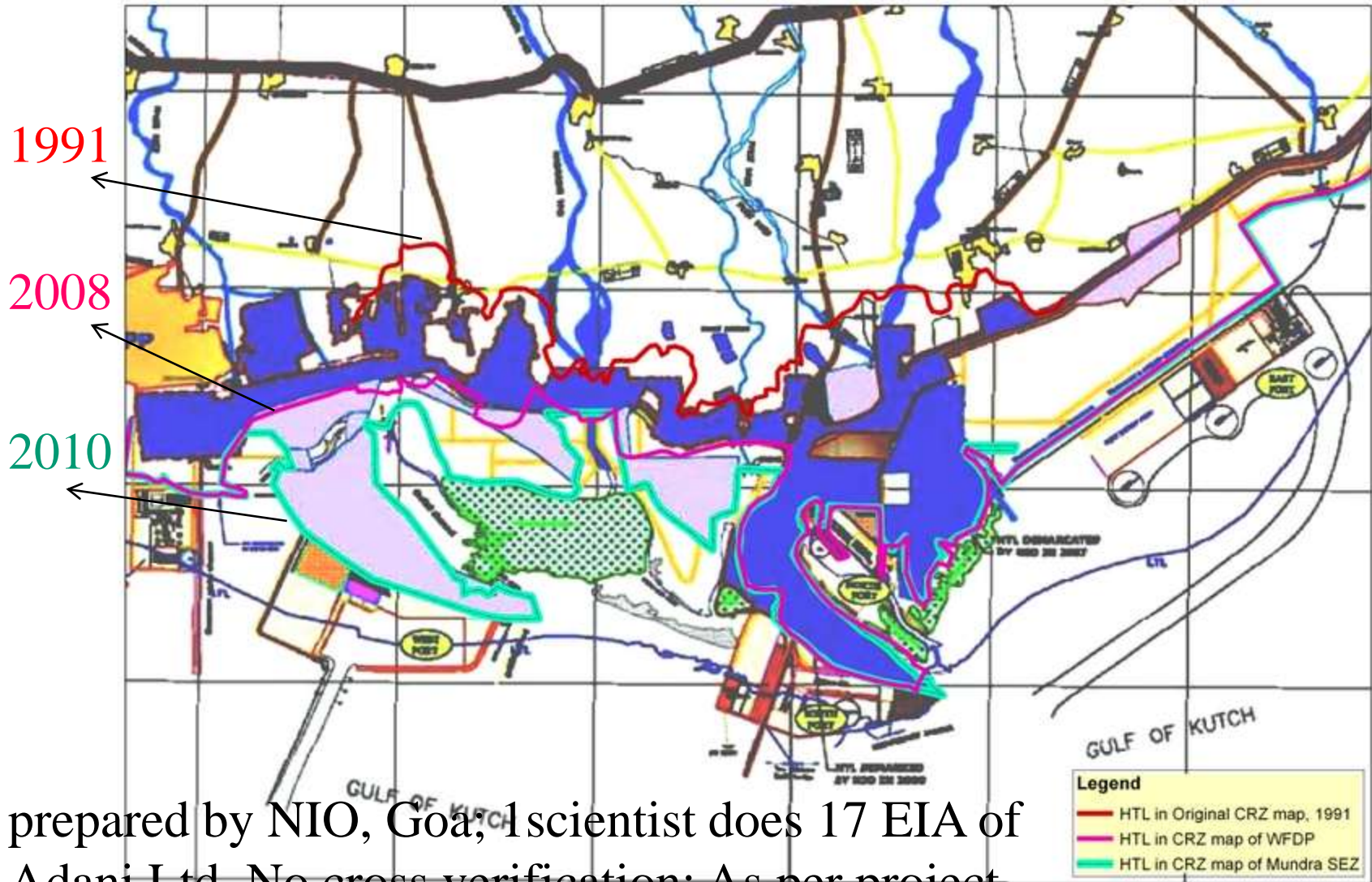


Figure 1.1.2: Proposed development in MPSEZL (2008-2013)

- COMMISSIONED PROJECTS
- UNDER IMPLEMENTATION PROJECTS

Legal violation – Shifting of HTL on paper

Comparison of HTL in CRZ Maps - Original (1991), WFDP(2008) Mundra SEZ(2010)



prepared by NIO, Goa; 1 scientist does 17 EIA of Adani Ltd. No cross verification; As per project requirement, HTL is shifted towards the sea...

Economic Loss – CRZ violation = 9000 lakh



5000 ha total area: Adani leased 2008 ha @ 9lakh NPV/ha;
illegally encroached about 1000 ha: NPV value = 9000 lakh
Illegal cutting of mangroves, bunding.....CRZ I status lost

Ecological loss- CRZ Violation - Mangrove being destroyed in Mundra coast



Mangrove being destroyed in Mundra cost



Ecological loss- CRZ Violation - Mangrove being destroyed in Mundra coast







RIVER

CGPL Power Plant

Vandh

3
1
2
Pagadiya Fishing Ground

Modhava

Bandar Tragadi

Sand Dune

Sand Dune

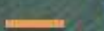

-  Road
-  Fishing Canter
-  Mangrove
-  Outfall
-  Intake

Image © 2011 GeoEye
© 2011 Mapabc.com
© 2011 Google
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
outfall
22°47'40.71" N 69°29'29.91" E elev 1 m

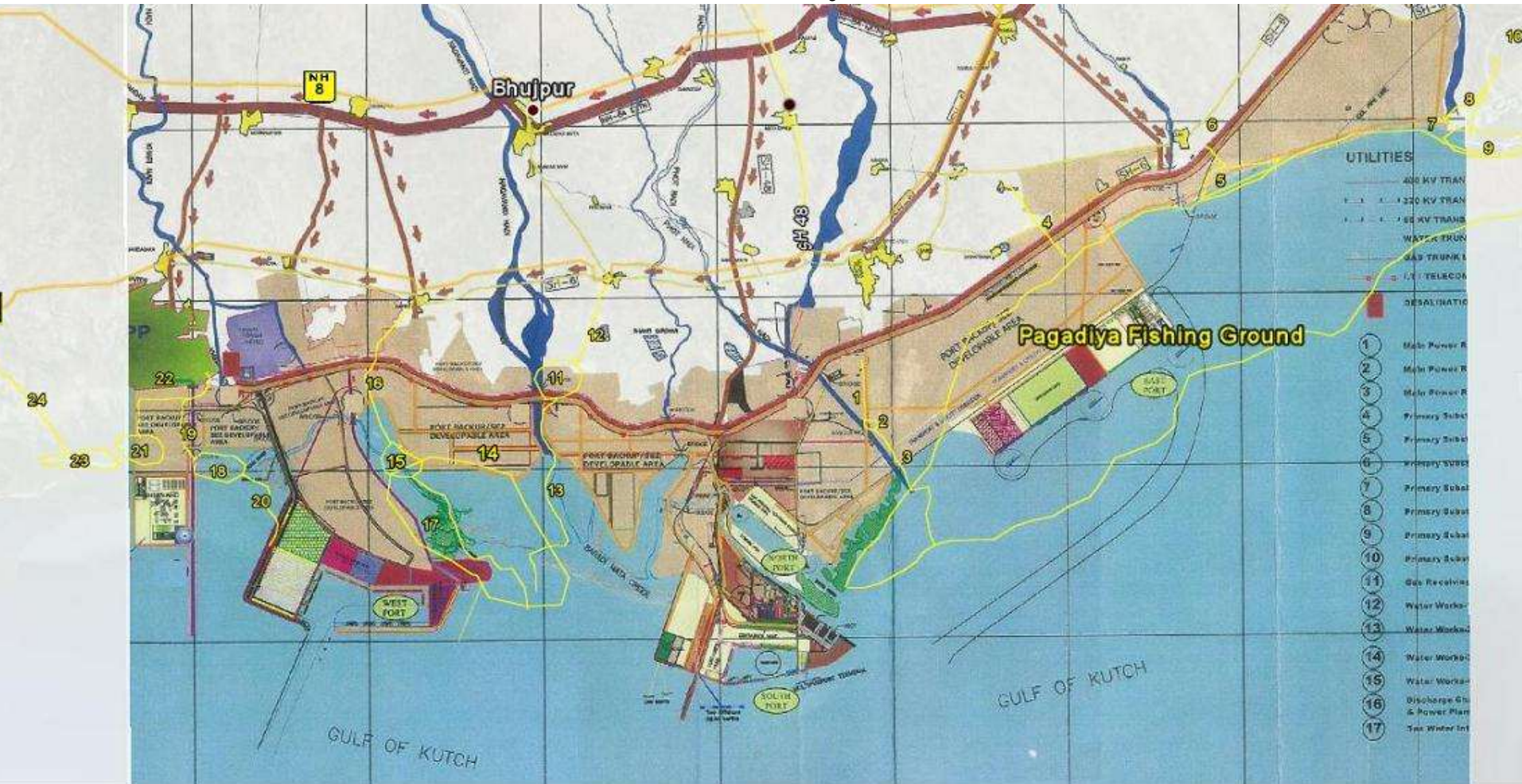
Google
Intake

Eye alt 11.06 km

Un plane Industrial Development in Mundra coast



WFDP project map superimposed on map of Access Roads, Settlements, Intertidal Zone used by Traditional Fisherfolk in



1,4,6,8,10,12,16,19,22,24 – Access Roads used by Traditional Fisherfolk. 2,5,7,9,11,15,18,21,23 - Settlements (Banders) used by Traditional Fisherfolk. 3,13,17,20 – Creeks/ Intertidal Area used by Traditional Fisherfolk.

Impact on Livelihoods – Animal Husbandry

Village	Cattle	Reqd Gauchar Land(Ha)	Total Gauchar Land (Ha)	Gauchar Land allotted to SEZ(Ha)	Gauchar land Remaining (Ha)	Shortage in Required Gauchar Land %
Navinal	1753	280	137	94	43	85%
Tunda	1189	190.24	158	86	72	62%
Luni	833	133.28	81	81	0	100%
Siracha	3170	507.2	390	41	349	31%
Baroi	276	44.16	141	31	110	
Goersama	957	153.12	86	29	57	63%
Zarapara	5509	881.44	1000	408	592	33%
Mundra	273	43.68	NA	496	NA	

Information on Power Plants located in Mundra

No.	Company Brand	Full name	Capacity (MW)	Location (Village, District)	Status	Fuel
1	CGPL	Coastal Gujarat Power Limited	4000	Tundavad,	under construction	indian and imported coal
2	Adani	Adani Power Limited	4620	Siracha,	under construction	imported coal
3	KPGL	Kutch Power Generation Limited	3300	Bhadreshwar,	submitted for environmental clearance	indian and imported coal
4	OPG	OPG Power	300	Bhadreshwar,	got environmental clearance and awaiting CRZ clearance	indian and imported coal
5	OPG	OPG Power	2300	Bhadreshwar,	submitted for approval for project expansion	indian and imported coal
6	CPL		1400	Tunavira,	TOR issued in 2007	imported coal
7	Government Under Plan		4000	Modhva,	Proposed	indian and imported coal
8	Nilkanth	Nilkanth Concast	11	Vadala,	Operational	indian and imported coal
9	PCBL	Philips Carbon Black Limited	20	Mokha,	Operational	indian and imported coal
10	Jindal	Jindal Sopipes	20	Samagoga,	Operational	indian and imported coal
11	CNG	Adani CNG	2000	Mundra,	Proposed	CNG

Fisherfolk agitations to protest against displacement by Adani Mundra Port and SEZ.



Fisherfolk agitations to protest against displacement by OPG Power plant.





THANK YOU

