DEENDAYAL PORT AUTHORITY (Erstwhile: DEENDAYAL PORT TRUST)



Administrative Office Building Post Box NO. 50 GANDHIDHAM (Kutch). Gujarat: 370 201.

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www.deendayalport.gov.in EG/WK/5202 (D)/ Part/53

Date: 24/03/2025

To,
The Deputy Director General of Forests,
Ministry of Environment, Forest & Climate Change
Integrated Regional Office,
Gandhinagar, A wing-407 & 409
Aranya Bhavan Near CH-3 Circle
Sector 10A, Gandhinagar - 382010
Email: iro.gandhingr-mefcc@gov.in

<u>Sub:</u> Environment & CRZ Clearance for the Construction of Interchange cum Road Over Bridge (ROB) at LC-236 [Kutch salt junction] on N.H-141 to Nehru gate of Kandla port, Gandhidham, Kutch proposed by M/s Deendayal Port Trust – <u>Compliance of stipulated Conditions mentioned in the Environmental & CRZ Clearance reg.</u>

Ref.: EC & CRZ Clearance accorded by the State Level Environment Impact Assessment Authority (SEIAA), Gujarat letter no. SEIAA/GUJ/EC&CRZ/8(b)/728/2020 dated 19.06.2020.

Sir,

It is requested to kindly refer above cited reference for the said subject.

In this connection, it is to state that, the SEIAA, Gujarat had accorded Environmental & CRZ Clearance for the subject proposal vide above referred letter dated 19.06.2020.

DPT had signed an MOU with M/s IPRCL vide Certificate no. IN-GJ95223355926842S dated 9/06/2020 wherein IPRCL was appointed as the Project Implementation Agency for the project

Accordingly, please find enclosed herewith point-wise compliance report of the stipulated conditions mentioned in the EC & CRZ Clearance letter dated 19.06.2020 (Annexure 1) & Monitoring Report in Data Sheet (Annexure 2) (Period up to September, 2024) submitted by M/s IPRCL for kind information and record please.

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This has the approval of the Chief Engineer, Deendayal Port Authority.

Thanking You.

Yours faithfully,

Dy. Chief Engineer & EMC(I/c)
Deendayal Port Authority

Copy along with pointwise compliance of stipulated conditions, to:

1. Shri Amardeep Raju, Scientist E, Ministry of Environment forest & climate change,

& Member Secretary (EAC-Infra

1),
Indira Paryavaran Bhavan,
3rd floor, Vayu wing, Jor bhag
Road, Aliganj,
New Delhi – 110 003
E-mail: ad.raju@nic.in

- 2. Shri Prasoon Gargav,
 Scientist E & Regional Director,
 Central Pollution Control Board,
 Parivesh Bhavan, Opp. VMC Ward
 Office No.10, Subhanpura,
 Vadodara 390 023
 E-mail: prasoon.cpcb@nic.in
- 3. Shri T. C. Patel,
 Unit Head, Kachchh,
 Gujarat Pollution Control Board,
 Paryavaran Bhavan,
 Sector 10 A, Gandhinagar 382
 010
 E-mail: uh-gpcbkute@qujarat.gov.in
- 4. The Regional Officer, Gujarat Pollution Control Board, Regional office (East Kutch), Administrative Office Building,

Deendayal Port Trust,

Gandhidham.

E-mail: ro-gpcb-

kute@gujarat.gov.in

Annexure -1

Subject: Point wise compliance of stipulated conditions of "Environmental & CRZ

Clearance for the Construction of Interchange cum Road Over Bridge (ROB) at LC-236 [Kutch Salt Junction] on NH-141 to Nehru gate of

Kandla port, Gandhidham, Kutch by M/s Deendayal Port Trust".

Reference: EC & CRZ Clearance issued by SEIAA, Gujarat vide EC Letter No.

SEIAA/GUJ/EC&CRZ/8(b)/728/2020 dated 19th June, 2020

A. 1 Specific Conditions: -

SI. No.	Stipulated Conditions	Compliance
1.	All the provisions of CRZ Notification -2011 shall be strictly adhered to and no activity in contradiction to the provisions of CRZ Notification - 2011 shall be carried by the project proponent.	For the compliance of point 1 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
2.	The project proponent shall strictly ensure that no creeks or flow of water are blocked due to any activity at the project site.	For the compliance of point 2 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
3.	The project proponent shall obtain all other necessary clearances / permissions from concerned authorities / agencies required for undertaking the proposed project.	For the compliance of point 3 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
4.	It will be the responsibility of the project proponent to obtain prior clearances/approval & ensure compliances under all other relevant Acts/ Rules/ Regulations/ Guidelines/ instructions' Court orders/ Tribunal orders as applicable to this project as per the prescribed time limits. All the Terms & Conditions Stipulated in the clearances/ approvals shall be strictly adhered to.	For the compliance of point 4 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
5.	The approval of competent authority shall be obtained for structural safety of the bridge due to earthquake, including protection measures from lightening etc. Copy of approved structural drawings & certificate from the concerned competent authority shall be submitted to SEAC/ SEIAA before commencement of work for the project.	For the compliance of point 5 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A

6.	Structural design of the project shall strictly adhere to the seismic zone norms for earthquake resistant structures.	For the compliance of point 6 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
7.	Traffic study shall be carried out periodically to develop & implement the scheme to ensure smooth flow of traffic from & to the proposed ROB.	For the compliance of point 7 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
8.	DDPT shalt ensure that there shall not be any blockage of creek and free-flow of water is maintained.	For the compliance of point 8 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
9.	The DDPT shall construct settling ponds and the installation of the oil receptor to prevent the entry of the surface run-off from fuel and other contaminants into the wells and other surface water bodies along the corridor.	For the compliance of point 9 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
10.	No vehicles or equipment shall be parked or refuelled near the water-body, so as to avoid contamination from fuel and lubricants.	For the compliance of point 10 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
11.	The DDPT shall implement all the suggestions/ recommendations given in the EIA report by their consultant M/S Mantec Consultant Pvt Ltd.	For the compliance of point 11 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A

A.2 CONSTRUCTION PHASE:

13.	DDPT shall ensure that adequate culvert/passages are provided during construction of road and	For the compliance of point 13 please find attached herewith compliance submitted by IPRRCL (Executive
12.	The traffic diversion plan shall be finalized in consultation with CE (NH), Gujarat & RO, Gandhinagar and get approved from the concerned competent authority before starting the construction activity for the proposed ROB. Copy of the same shall be submitted to SEAC/ SEIAA.	For the compliance of point 12 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A

	there shall be no obstruction of	agency) placed herewith as
14.	free flow of water. Hot-mix plants/Concrete mix plants shall be located and operated in such a way that there shall be no Air Pollution.	Annexure A For the compliance of point 14 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
15.	The DPT shall ensure that the quarry works, from which they will purchase raw materials, shall conform to the norms and having necessary clearances from the respective authorities.	For the compliance of point 15 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
16.	The DPT — shall make MOU with the raw material supplier quarry/hot mix plants etc., in such a way that they will comply with all the terms and conditions mentioned in the CCA/NOC issued by the Gujarat Pollution Control Board.	For the compliance of point 16 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
17.	Fresh water requirement during the construction phase shall be 95.0 KL/day and it shall be met through the water tankers for water supply from Gujarat water supply and sewerage board. No ground water shall be tapped during the construction phase.	For the compliance of point 17 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
18.	There shall no discharge of any kind of wastewater/sewage/ effluent into the creek/sea or in the CRZ areas.	For the compliance of point 18 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
19.	Sewage generated during the construction phase shall be treated in septic tanks connected to water recycling chambers of adequate capacity & comprising of adequate treatment facilities as proposed. Treated water ~ 20.0 KL/day conforming to GPCB norms shall be used for greenbelt development and dust suppression.	For the compliance of point 19 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
20.		For the compliance of point 20 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A

21.	Construction materials and debris shall be properly stored and handled to avoid negative impacts such as air pollution and public nuisances by blocking the roads and public passages. The debris shall be removed from the construction site immediately after the construction is over.	For the compliance of point 21 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
22.	It shall be ensured that there is no adverse impact on the drainage of the area due to the construction activities.	For the compliance of point 22 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
23.	Solid waste likely to be generated from construction site and labour camps during construction phase will be collected and disposed of as per the Solid Waste Management Rules — 2016.	For the compliance of point 23 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
24.	The construction camps shall be kept outside the CRZ areas and the construction labour shall be provided with adequate amenities like drinking water, fuel, sanitation, etc. to ensure that the existing environmental condition is not deteriorated by them.	For the compliance of point 24 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
25.	Ready Mix Concrete should be used so far as possible. Water demand during construction should be reduced by use of curing agents, plasticizers and other best practices.	For the compliance of point 25 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A

A.3 OPERATION PHASE: A.3.1 WATER

26.	Total water requirement during the operation phase for dust suppression & greenbelt development shall be 15.0 KL/day which shall be met through water supply system of Gujarat Water Supply and Sewerage Board.	For the compliance of point 26 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
27.	No bore well shall be constructed and existing bore well/s, if any, shall be either sealed or converted into the recharge well.	For the compliance of point 27 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A

28.	The storm water from the bridge shalt be properly channelized. Provisions shall be made for ground water recharge through	For the compliance of point 28 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as
	rain water harvesting as per the details submitted. Before recharging the run off pretreatment must be done to remove suspended matter.	Annexure A
29.	Rainwater harvesting system shall be properly maintained & kept functional and periodical cleaning of the same shall be undertaken specifically including the period before onset of the monsoon.	For the compliance of point 29 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
30.	The water meter shall be installed and records of monthly water consumption shall be maintained regularly.	For the compliance of point 30 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A

A. 3.2 AIR

31.	D. G. sets (3 x 500 KVA) proposed as backup power shall be of enclosed type and confirm to prescribe standards under EPA rules. Necessary acoustic enclosures shall be provided at diesel generator set to mitigate the impact of noise.	For the compliance of point 31 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
32.	The gaseous emissions from the D.G. Sets shall conform to the emission limits prescribed under EPA rules as amended from time to time. At no time, the emission levels shall go beyond the stipulated standards.	For the compliance of point 32 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
33.	The stack height of the D.G. sets shall be equal to the height needed for the combined capacity of all proposed D.G. sets.	For the compliance of point 33 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A

A. 3.3 SOLID / HAZARDOUS WASTE

34.		For the compliance of point 34 please find attached herewith compliance
	regards to handling and disposal of hazardous waste in accordance	submitted by IPRRCL (Executive agency) placed herewith as
	with the Hazardous Waste (Management, Handling and	Annexure A

	Transboundary) Rules 2008. Authorization from the GPCB must be obtained for collection / treatment / storage / disposal of hazardous wastes.	
35.	Discarded Containers, /Carboys and Used/ Lubricating Oil shall be sold to the authorized recyclers.	For the compliance of point 35 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
36.	The project proponent shall have to ensure that plastic waste is segregated and disposed of by selling it to the registered recyclers.	For the compliance of point 36 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
37.	Necessary arrangements shall be made for safe disposal of municipal solid wastes as per the provisions of the Solid Wastes Management Rules, 2016 as amended from time to time and solid wastes shall not be released in marine water / coastal area in any case.	For the compliance of point 37 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A

A. 3.4 SAFETY:

<u> </u>	T SALLII.	
38.	Dedicated power back up system shall be provided in the case of power failure & emergency of fire water pumps.	For the compliance of point 38 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
39.	Compulsory training, for the first aid and firefighting along with regular mock drill shall be imparted to the Security personnel and D.G. Operator.	For the compliance of point 39 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
40.	First Aid Boxes shall be provided in adequate quantity at strategic locations.	For the compliance of point 40 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
41.	Transportation of materials shall be as per the Motor Vehicle Act & Rules.	For the compliance of point 41 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A

A. 3.5 CLEANER PRODUCTION, ENERGY CONSERVATIONIAND WASTE MINIMISATION:

42.	Energy conservation measures like	For the compliance of point 42 please
	maximum use of natural light, wind	find attached herewith compliance
	& ventilation through architectural	submitted by IPRRCL (Executive

design, solar based LED lights in	agency)	placed	herewith	as
landscaped and drive way areas,	Annexure	e A		
LED/CFL light for walk way areas				
etc. shall be provided as proposed.				

A. 3.6 PARKING / TRAFFIC CONGESTION:

43.	No public space shall be used or	For the compliance of point 43 please
	blocked for the parking and the	find attached herewith compliance
	trained staff shall be deployed to	submitted by IPRRCL (Executive
	guide the visitors for parking and	agency) placed herewith as
	helping the senior citizens and	Annexure A
	physically challenged people.	

A. 3.7 GREEN BELT

4	14. Green belt area of 25,000 m ² shall	For the compliance of point 44 please
	be developed as proposed.	find attached herewith compliance
	Plantation along the bridge and	submitted by IPRRCL (Executive
	road shall be done with native	agency) placed herewith as
	varieties.	Annexure A

B. GENERAL CONDITIONS:

1. PRE -CONSTRUCTION AND CONSTRUCTION

45.	Environment Management Cell shall be formed, which shall supervise and monitor the environment related aspects of the project during construction and operational phases in addition to observance of Gujarat Building and other Construction Workers' (Regulation of Employment & Conditions of Service) Rules 2003.	For the compliance of point 45 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
46.	Prior permission from the competent authority shall be obtained for cutting of the existing trees before site preparation work is commenced.	For the compliance of point 46 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
47.	Water demand during construction shall be reduced by use of curing agents, super plasticizers and other best construction practices.	For the compliance of point 47 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
48.	Temporary wind shield shall be done to prevent dust emission spreading outside the project	For the compliance of point 48 please find attached herewith compliance submitted by IPRRCL

	premises. Barricade of adequate height shall be provided on the periphery of the construction site with adequate signages, Individual building within the project site shall also be provided with barricades.	(Executive agency) placed herewith as Annexure A
49.	Regular water sprinkling shall be done in vulnerable areas for controlling fugitive emission.	For the compliance of point 49 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
50.	The roads inside the project area and roads connected to the main road shall be paved or shall be water sprinkled to avoid the fugitive emissions during vehicular movement.	For the compliance of point 50 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
51.	Material shall be covered during transportation to avoid the fugitive emission.	For the compliance of point 51 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
52.	Uniform piling and proper storage of sand to avoid fugitive emissions shall be ensured.	For the compliance of point 52 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
53.	Structural design of the project shall strictly adhere to the seismic zone norms for earthquake resistant structures.	For the compliance of point 53 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
54.	The planning, designs and construction of all buildings shall be such as to ensure safety from fire.	For the compliance of point 54 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
55.	The project proponent shall ensure maximum employment to the local people.	For the compliance of point 55 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
56.	All required sanitary and hygienic measures shall be provided before starting the construction activities and to be maintained throughout the construction phase.	For the compliance of point 56 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
57.	Provision shall be made for housing of construction labour within the site with all necessary	For the compliance of point 57 please find attached herewith compliance submitted by IPRRCL (Executive

	infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical healthcare, créches, electricity & ventilation, canteen, rest rooms, safe disposal system for garbage, first aid, medical and emergency facilities etc. to ensure that they do no ruin the existing environmental condition. The housing may be in the form of temporary structures to be removed after completion of the project.	agency) placed herewith as Annexure A
58.	Adequate personal protective equipments shall be provided to the construction workers to ensure their safety and the project proponent shall ensure its usage by the labourers.	For the compliance of point 58 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
59.	First Aid Box shall be made readily available in adequate quantity at all the times.	For the compliance of point 59 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
60.	First Aid Box shall be made readily available in adequate quantity at all the times.	For the compliance of point 60 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
61.	The project proponent shall strictly comply with the Building and other Construction Workers' (Regulation of Employment & Conditions of Service) Act 1996 and Gujarat rules made there under and their subsequent amendments.	For the compliance of point 61 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
62.	The overall noise level in and around the project area shall be kept well within the prescribed standards by providing noise control measures including acoustic insulation, hoods, silencers, enclosures vibration dampers etc. on all sources of noise generation.	For the compliance of point 62 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
63.	Ambient noise levels shall conform to residential standards both during day and night. Incremental pollution load on the ambient air and noise quality shall be closely monitored during construction phase.	For the compliance of point 63 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A

64.	The noise generating equipments, machinery and vehicles shall not be operated during the night hours and shall be maintained properly to avoid generation of high noise due to wear and tear.	For the compliance of point 64 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
65.	Use of diesel generator sets during construction phase shall be strictly with acoustic enclosure and shall conform to the EPA Rules for air and noise emission standards.	For the compliance of point 65 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
66.	Safe disposal of wastewater and municipal solid wastes generated during the construction phase shall be ensured.	For the compliance of point 66 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
67.	All topsoil excavated during construction activity shall be used in horticultural / landscape development within the project site.	For the compliance of point 67 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
68.	The municipal solid wastes shall be properly collected and segregated at source.	For the compliance of point 68 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
69.	Recyclable solid waste [paper, cartons, plastic, polythene bags, glass etc.] shall be sold to the scrap vendors.	For the compliance of point 69 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
70.	Non-recyclable municipal solid waste shall be transferred to the nearest designated waste collection point of the concerned local authority.	For the compliance of point 70 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
71.		For the compliance of point 71 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
72.	The project must strictly comply with the rules and regulations with regards to handling and disposal of hazardous waste in accordance with the Hazardous Waste (Management, Handling and Transboundary) Rules 2008. Authorization from the GPCB must be obtained for collection / treatment / storage / disposal of hazardous wastes.	For the compliance of point 72 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A

73.	Construction materials and debris shall be properly stored and handled to avoid negative impacts such as air pollution and public nuisances by blocking the roads and public passages. Construction debris shall be reused	For the compliance of point 73 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A For the compliance of point 74 please
	in construction of roads, levelling the site etc. Waste packaging material (like used cement bags, waste paper, cardboard packing material), metal scraps etc. shall be sold to recyclers or shall be sent to the nearest municipal solid waste landfill site.	find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
75.	The area temporarily used for storing the construction material and other activities shall be reclaimed by adequate Plantation.	For the compliance of point 75 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
76.	Excavated earth to be generated during the construction phase shall be utilized within the premises to the maximum extent possible and balance quantity of excavated earth shall be disposed of with the approval of the competent authority after taking the necessary precautions for general safety and health aspects. Disposal of the excavated earth during construction phase shall not create adverse effect on neighbouring communities.	For the compliance of point 76 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
77.	Provisions of Construction & Demolition Waste Management Rules-2016 shall be strictly adhered to.	For the compliance of point 77 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
78.	Vehicles hired for bringing construction material at the site shall be in good conditions and conform to applicable air and noise emission standards and shall be operated only during day time and non-peak hours.	For the compliance of point 78 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
79.	Project proponent shall ensure use of eco-friendly building materials including fly ash bricks, fly ash paver blocks, Ready Mix Concrete [RMC] and lead-free paints in the project.	For the compliance of point 79 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A

80.	Fly ash shall be used in	For the compliance of point 80 please
	construction wherever applicable	find attached herewith compliance
	as per provisions of Fly Ash	submitted by IPRRCL (Executive
	Notification under the E.P. Act,	agency) placed herewith as
	1986 and its subsequent	Annexure A
	amendments from time to time.	
81.	Use of glass shall be minimal and	For the compliance of point 81 please
	only low emissive glass shall be	find attached herewith compliance
	used in the project to reduce the	submitted by IPRRCL (Executive
	electricity consumption and load on	agency) placed herewith as
	air conditioning.	Annexure A

B2. OPERATION PHASE AND LIFE TIME:

82.	Low water consuming devices shall be provided. Fixtures for showers, toilet, flushing and drinking shall be of low flow either by use of aerators/ diffusers or pressure reducing devices etc.	For the compliance of point 82 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
83.	A water meter shall be installed on rain water harvesting & ground water recharge well system & compliance report of the same shall be submitted to concerned authorities.	For the compliance of point 83 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
84.	Used oil shall be sold only to the registered recycler.	For the compliance of point 84 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
85.	Provisions of Solid Waste Management Rules-2016 shall be strictly adhered to.	For the compliance of point 85 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
86.	Requisite firefighting facilities as per the requirement of NBC and Gujarat Fire Prevention and Life Safety Measures Act- 2013 along with the rules & regulations made there under shall be provided.	For the compliance of point 86 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
87.	First Aid Box shall be made readily available in adequate quantity at all the times.	For the compliance of point 87 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
88.	Necessary emergency lighting system along with emergency power back up system shall be	For the compliance of point 88 please find attached herewith compliance submitted by IPRRCL (Executive

	provided. Further, necessary auto glow signage at all appropriate places shall be provided to guide the people towards exits and assembly points during emergency.	agency) placed herewith as Annexure A
89.	The overall noise level in and around the project area shall be kept well within the prescribed standards by providing noise control measures including acoustic insulation, hoods, silencers, enclosures vibrations dampers etc. on all sources of noise generation including D.G. Sets. The ambient noise levels shall confirm to the standards prescribed under the Environment (Protection) Act and Rules.	For the compliance of point 89 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
90.	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site shall be avoided. No public space including the service road shall be used-or blocked for the parking.	For the compliance of point 90 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
91.	The project proponent shall install energy efficient devices, appliances, motors, and pumps conforming to the Bureau of Energy Efficiency norms.	For the compliance of point 91 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
92.	The transformers and motors. shall have minimum efficiency of 85%.	For the compliance of point 92 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
93.	Only variable frequency motor drives shall be used in project.	For the compliance of point 93 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
94.	Application of solar energy shall be incorporated for illumination of common areas, lighting for gardens and street lighting: In addition, the provision for solar water heating system shall also be provided.	For the compliance of point 94 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
95.	The area earmarked as green area shall be used only for plantation and shall not be altered for any other Purpose.	For the compliance of point 95 please find attached herewith compliance submitted by IPRRCL (Executive

		agency) placed herewith as
		Annexure A
96.	Drip irrigation/flow volume, low angle sprinkler system shall be used for the lawns and other green area including tree plantation.	For the compliance of point 96 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
97.	The project proponent shall inform to SEAC. / SEIAA regarding the transfer of management responsibility to the Society/Association to be formed for the proposed Project with all the supporting documents. The Society Association formed for further management of the proposed project shall be responsible for compliance of all the conditions stipulated in the Environmental Clearance order.	For the compliance of point 97 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
98.	Environmental Clearance granted for the project on the basis of documents related to land possession submitted shall become invalid in case the actual land for the project site turns out to be different from the land considered at the time of appraisal of the project and mentioned in the EC.	For the compliance of point 98 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
99.	All other statutory clearances such as NLA. permission, approvals for storage of diesel from PESO, Fire Department, Airports Authority of India etc., if applicable, shall be obtained by the project proponent from the competent authorities.	For the compliance of point 99 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
100.	All the conditions as may be stipulated in the NLA. order, Development permission, Building Use permission, NOC obtained from Fire Department etc. shall be strictly complied with.	For the compliance of point 100 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
101.	The project management shall also comply with all the environment protection measures, risk mitigation measures and safeguards proposed by them.	For the compliance of point 101 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
102.	All the commitments/ undertakings given to the SEAC during the appraisal process for	For the compliance of point 102 please find attached herewith compliance submitted by IPRRCL

	the purpose of environmental protection and management shall be strictly adhered to.	(Executive agency) placed herewith as Annexure A
103.	The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose for the environmental protection and management.	For the compliance of point 103 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
104.	At the terms & conditions prescribed in the amendment of EIA Notification — 2006 published by the MoEF&CC vide its Notification No, S.O. 3999(E) dated 9th December, 2016 shall be complied with letter & spirit.	For the compliance of point 104 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
105.	The project proponent shall strictly comply with the Gujarat Building and other Construction Workers' (Regulation of Employment & Conditions of Service) Rules 2003 as well as Gujarat Lifts & Escalators Rules as amended from time to time.	For the compliance of point 105 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
106.	No further expansion or modifications in the project likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.	For the compliance of point 106 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
107.	The above conditions shall be enforced, inter-alia under the provisions of the water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act 1986 and the Hazardous Wastes (Management Handling and Tran boundary) Rules, 2008, Building and Other Construction Workers' (Regulation of Employment & Conditions of Service) Act-1996, The Gujarat Lifts and Escalators Act-2000 along with their amendments and rules.	For the compliance of point 107 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A

B. OTHER CONDITIONS

108.	The p	roject	propone	ent s	shall	For	the	comp	liance	of	point	108
	allocate	e the	separate	fund	for	plea	se	find	attach	ned	here	with

	Corporate Environment Responsibility (CER) in accordance to the MoEF&CC's Office Memorandum No. F.No.22-65/2017-IA.IN dated 01/05/2018 to carry out the activities under CER in affected area around the project. The entire activities proposed under CER shall be monitored and the monitoring report shall be submitted to the regional office of MoEF&CC as a part of half-yearly compliance report and to district collector. The monitoring report shall be posted on the website of the project proponent.	compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
109.	The project authorities shall earmark adequate funds to implement the conditions stipulated by Forest & Environment Department., GOG / SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	For the compliance of point 109 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
110.		For the compliance of point 110 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
111.	It shall be mandatory for the project management to submit half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in soft copies to the regulatory authority	For the compliance of point 111 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A

112.	concerned and shall be uploaded on website of Gujarat Real Estate Regulatory Authority, on 1 st June and 1 st December of each calendar year. The project authorities shall also	For the compliance of point 112
	adhere to the stipulations made by the Gujarat Pollution Control Board.	please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
113.	The project authorities shall inform the GPCB, Regional Office of MoEF&CC and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	For the compliance of point 113 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
114.	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory. This environmental clearance is valid for seven years from the date of issue.	For the compliance of point 114 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
115.	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within 2 period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	For the compliance of point 115 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A
116.	Submission of any false or misleading information or data which is material to screening or scoping or appraisal or decision on the application makes this environment clearance cancelled.	For the compliance of point 116 please find attached herewith compliance submitted by IPRRCL (Executive agency) placed herewith as Annexure A

Annexure -A

Subject:

Point wise compliance of stipulated conditions of EC & CRZ Clearance for "Construction of Interchange cum Road Over Bridge (ROB) at LC-236 [Kutch Salt Junction] on NH-141 to Nehru gate of Kandla port, Gandhidham, Kutch by M/s Deendayal Port Trust"

Reference:

Nehru gate of Kandla port, Gandhidham, Kutch by M/s Deendayal Port Trust".

EC & CRZ Clearance issued by SEIAA, Gujarat vide EC Letter No.

SEIAA/GUJ/EC&CRZ/8(b)/728/2020 dated 19th June, 2020

A. 1 Specific Conditions: -

Sl. No.	Stipulated Conditions	Compliance
1.	All the provisions of CRZ Notification - 2011 shall be strictly adhered to and no activity in contradiction to the provisions of CRZ Notification - 2011 shall be carried by the project proponent.	It is hereby assured that IPRRCL (Executive agency) will adhere to all the provisions of CRZ Notification -2011. Pointwise compliance to the CRZ recommendation issued by the GCZMA is attached as Annexure I (in 3 pages).
2.	The project proponent shall strictly ensure that no creeks or flow of water are blocked due to any activity at the project site.	It is hereby assured that IPRRCL (Executive agency) has ensured that no creeks or flow of water are blocked due to any activity at the project site. The pipe culverts were constructed at required location in creek for free flow of water.
3.	The project proponent shall obtain all other necessary clearances / permissions from concerned authorities / agencies required for undertaking the proposed project.	The Consent to Establish (CTE) from the GPCB had already been obtained vide CTE No. 89489 granted by the GPCB vide letter no. PC/CCA-KUTCH 1449/GPCB ID 56869 dated 03/10/2017 attached as Copy Annexure II(in 4 pages).
4.	It will be the responsibility of the project proponent to obtain prior clearances/approval & ensure compliances under all other relevant Acts/ Rules/ Regulations/ Guidelines/instructions' Court orders/ Tribunal orders as applicable to this project as per the prescribed time limits. All the Terms & Conditions Stipulated in the clearances/ approvals shall be strictly adhered to.	The Consent to Establish (CTE) from the GPCB had already been obtained vide CTE No. 89489 granted by the GPCB vide letter no. PC/CCA-KUTCH 1449/GPCB ID 56869 dated 03/10/2017 attached as Copy Annexure II. Copy of approval of GAD enclosed as Annexure III(in 2 pages). Terms & Conditions Stipulated in the clearances/ approvals are being strictly adhered too.
5.	The approval of competent authority shall be obtained for structural safety of the bridge due to earthquake, including protection measures from lightening etc. Copy of approved structural drawings & certificate from the concerned competent authority shall be submitted to SEAC/ SEIAA before commencement of work for the project.	The Structural design done by design consultant and checked by proof consultant and safety consultant. A third-party independent design audit is done by I.I.T, B.H.U, for the design of bridges and structure with a span of 15.0m or more. The audit report is attached as Annexure IV(in 14 pages)(.
6.	Structural design of the project shall strictly adhere to the seismic zone norms for earthquake resistant structures.	The Structural design of the project is done considering seismic zone-V for earthquake resistant structure.
7.	Traffic study shall be carried out periodically to develop & implement the	Traffic diversion plan has been prepared considering smooth flow of traffic and same

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	scheme to ensure smooth flow of traffic from & to the proposed ROB.	is approved by NHAI. The approval letter is attached as Annexure V(in 3 pages) .
8.	DPT shall ensure that there shall not be any blockage of creek and free-flow of water is maintained.	It was ensured that no creeks or flow of water are blocked during execution of the project work.
9.	The DPT shall construct settling ponds and the installation of the oil receptor to prevent the entry of the surface run-off from fuel and other contaminants into the wells and other surface water bodies along the corridor.	There are no wells in the project area and it is ensured that there is no spillage of fuel at project area.
10.	No vehicles or equipment shall be parked or refuelled near the water-body, so as to avoid contamination from fuel and lubricants.	There was no water body near the site office.
11.	The DPT shall implement all the suggestions/ recommendations given in the EIA report by their consultant M/S Mantec Consultant Pvt Ltd.	All the suggestions/ recommendations given in the EIA report by consultant are implemented by IPRRCL (Executive agency).

A.2 CONSTRUCTION PHASE:

12.	The traffic diversion plan shall be finalized in consultation with CE (NH), Gujarat & RO, Gandhinagar and get approved from the concerned competent authority before starting the construction activity for the proposed ROB. Copy of the same shall be submitted to SEAC/ SEIAA.	Traffic diversion plan approved by National highway Gujarat & RO Gandhinagar vide Letter dated: RW/GNR/NH/HA/NOC/03/782 dated 14.10.2020. The same is attached as Annexure V(in 3 pages).
13.	DPT shall ensure that adequate culvert/passages are provided during construction of road and there shall be no obstruction of free flow of water.	IPRCL has ensured that adequate culvert, Passages are provided provided during construction of road and there is no obstruction of free flow of water.
14.	Hot-mix plants/Concrete mix plants shall be located and operated in such a way that there shall be no Air Pollution.	Only GPCB approved Hot-mix plants/Concrete mix plant was allowed to operate for the project.
15.	The DPT shall ensure that the quarry works, from which they will purchase raw materials, shall conform to the norms and having necessary clearances from the respective authorities.	IPRCL has ensured that the quarry works, from which raw materials are purchased, conforms to the norms and had necessary clearances from the respective authorities.

16.	The DPT shall make MOU with the raw material supplier quarry/hot mix plants etc., in such a way that they will comply with all the terms and conditions mentioned in the CCA/NOC issued by the Gujarat Pollution Control Board.	The raw materials are being purchased by the contractors directly hence M.O.U by DPT with supplier is not required. However, conditions mentioned in NOC by GPCB was compiled too.
17.	Fresh water requirement during the construction phase shall be 95.0 KL/day and it shall be met through the water tankers for water supply from Gujarat water supply and sewerage board. No ground water shall be tapped during the construction phase.	Fresh water during the construction phase was met with Gujarat water supply and sewerage board. It was ensured that no ground water was tapped during the construction phase.
18.	There shall no discharge of any kind of wastewater/sewage/ effluent into the creek/sea or in the CRZ areas.	IPRCL was ensured that no discharge of any kind of wastewater/sewage/ effluent into the creek/sea or in the CRZ areas.
19.	Sewage generated during the construction phase shall be treated in septic tanks connected to water recycling chambers of adequate capacity & comprising of adequate treatment facilities as proposed. Treated water ~ 20.0 KL/day conforming to GPCB norms shall be used for greenbelt development and dust suppression.	Sewage generated during the construction phase was treated in septic tank.
20.	No construction debris and / or any other type of waste / wastewater shall be disposed of in CRZ areas.	No construction debris and / or any other type of waste / wastewater was disposed of in CRZ areas.
21.	Construction materials and debris shall be properly stored and handled to avoid negative impacts such as air pollution and public nuisances by blocking the roads and public passages. The debris shall be removed from the construction site immediately after the construction is over.	The generated debris was removed from the site regularly to avoid any blocking the roads and public passages.
22.	It shall be ensured that there is no adverse impact on the drainage of the area due to the construction activities.	IPRCL was ensured that there was no adverse impact on the drainage of the area during construction activities.
23.	Solid waste likely to be generated from construction site and labour camps during construction phase will be collected and disposed of as per the Solid Waste Management Rules — 2016.	The EPC contractor has collected, handled & disposed off, the above substances as per GPCB guidelines regularly. Solid waste generated from construction site & labour camp was disposed off as per solid waste management Rules-2016.
24.	The construction camps shall be kept outside the CRZ areas and the construction labour shall be provided with adequate amenities like drinking water, fuel, sanitation, etc. to ensure that the existing environmental condition is not deteriorated by them.	EPC contractor has provided adequate amenities like drinking water, fuel, sanitation, etc. to the construction labourers.

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25. Ready Mix Concrete should be used so far as possible. Water demand during construction should be reduced by use of curing agents, plasticizers and other best practices.

Ready mix concrete plant was ensured in contractors premises to reduce use of water carrying agent and plasticizers used for works.

A. 3 OPERATION PHASE:

A. 3.1 WATER

26.	Total water requirement during the	It is being ensured that during operation
	operation phase for dust suppression & greenbelt development shall be 15.0 KL/day which shall be met through water supply system of Gujarat Water Supply and Sewerage Board.	phase water is being purchased from GWSSB.
27.	No bore well shall be constructed and existing bore well/s, if any, shall be either sealed or converted into the recharge well.	It was ensured that no bore-well is being constructed in the project area.
28.	The storm water from the bridge shall be properly channelized. Provisions shall be made for ground water recharge through rain water harvesting as per the details submitted. Before recharging the run off pre-treatment must be done to remove suspended matter.	The project site area has saline water and impervious soil strata. The ground water recharge for rain water harvesting not required.
29.		The project site area has saline water and impervious soil strata. The ground water recharge for rain water harvesting not required.
30.	The water meter shall be installed and records of monthly water consumption shall be maintained regularly.	Not applicable

A. 3.2 AIR

31.	D. G. sets (3 x 500 KVA) proposed as backup power shall be of enclosed type and confirm to prescribe standards under EPA rules. Necessary acoustic enclosures shall be provided at diesel generator set to mitigate the impact of noise.	The D.G set conforming to emission limit prescribed under EPA rules was ensured.
32.	The gaseous emissions from the D.G. Sets shall conform to the emission limits prescribed under EPA rules as amended from time to time. At no time, the emission levels shall go beyond the stipulated standards.	The D.G set conforming to emission limit prescribed under EPA rules was ensured.

33. The stack height of the D.G. sets shall be equal to the height needed for the combined capacity of all proposed D.G. sets.

It was ensured that the stack height of the DG sets equal to the height required for the DG set.

A. 3.3 SOLID / HAZARDOUS WASTE

34.	The project must strictly comply with the rules and regulations with regards to handling and disposal of hazardous waste in accordance with the Hazardous Waste (Management, Handling and Transboundary) Rules 2008. Authorization from the GPCB must be obtained for collection / treatment / storage / disposal of hazardous wastes.	No hazardous waste was generated during the project construction.
35.	Discarded Containers, /Carboys and Used/ Lubricating Oil shall be sold to the authorized recyclers.	IPRCL was ensured that Container/ Carboys and Used/Lubricating oil sold to the authorized recyclers only.
36.		It was ensured that plastic waste was segregated and disposed off by selling it to the registered recyclers.
37.		It was ensured that the Solid wastes are disposed in compliance to the Solid Waste Management rules- 2016.

A. 3.4 SAFETY:

	SAFETY:	
38.	Dedicated power back up system shall be provided in the case of power failure & emergency of fire water pumps.	It was ensured that the Dedicated power back up system during construction of the Project.
39.	Compulsory training, for the first aid and firefighting along with regular mock drill shall be imparted to the Security personnel and D.G. Operator.	It was ensured that the training for the first aid to security person and DG operator.
40.	First Aid Boxes shall be provided in adequate quantity at strategic locations.	Sufficient First aid boxes was provided at site office during construction of Project.
41.	Transportation of materials shall be as per the Motor Vehicle Act & Rules.	It was ensured that the Transportation of materials are done as per Motor Vehicle Act & Rules.

A. 3.5 CLEANER PRODUCTION, ENERGY CONSERVATION AND WASTE MINIMISATION:

42.		It was ensured that the LED lights are
	maximum use of natural light, wind & ventilation through architectural design, solar based LED lights in landscaped and drive way areas, LED/CFL light for walk	provided in all the offices & site for energy conservations during construction of the project.
	way areas etc. shall be provided as proposed.	

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A. 3.6 PARKING / TRAFFIC CONGESTION:

43.	No public space shall be used or blocked			
	for the parking and the trained staff shall			
	be deployed to guide the visitors for			
	parking and helping the senior citizens			
	and physically challenged people.			

It was ensured that the Parking of equipment's are done at site office area and the visitors are guided by trained staff.

A. 3.7 GREEN BELT

44.	Green belt area of 25,000 m ² shall be
	developed as proposed. Plantation along the bridge and road shall be done with
	the bridge and road shall be done with
	native varieties.

It was ensured that the Green belt area was developed as per the tender provision.

B. GENERAL CONDITIONS:

1. PRE -CONSTRUCTION AND CONSTRUCTION

45	T	I m
45.	Environment Management Cell shall be formed, which shall supervise and monitor the environment related aspects of the project during construction and operational phases in addition to observance of Gujarat Building and other Construction Workers' (Regulation of Employment & Conditions of Service) Rules 2003.	The environment related aspects of the project during construction and operational phase are supervised by project implementation agency. Also, a dedicated Environment Management Cell has been formed for day-to-day supervision and monitoring of the environment related aspects of the project during construction and operational phases.
46.	Prior permission from the competent authority shall be obtained for cutting of the existing trees before site preparation work is commenced.	The permission was obtained from the competent authority for cutting of the existing trees before the commencement of the project work.
47.	Water demand during construction shall be reduced by use of curing agents, super plasticizers and other best construction practices.	It was ensured that to reduce the water consumption, curing agents and super plasticizers was used for construction of the project work.
48.	Temporary wind shield shall be done to prevent dust emission spreading outside the project premises. Barricade of adequate height shall be provided on the periphery of the construction site with adequate signages, Individual building within the project site shall also be provided with barricades.	There was no building with in the project site area. However temporary wind shield was provided at required locations.
49.	Regular water sprinkling shall be done in vulnerable areas for controlling fugitive emission.	Water sprinkling was done in vulnerable area on need basis.
50.	The roads inside the project area and roads connected to the main road shall be paved or shall be water sprinkled to	Water sprinkling are done in diversion roa to avoid the fugitive emissions durin vehicular movement.

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	avoid the fugitive emissions during vehicular movement.	
51.	Material shall be covered during transportation to avoid the fugitive emission.	Materials are covered by tarpaulin during transportation for particular items.
52.	Uniform piling and proper storage of sand to avoid fugitive emissions shall be ensured.	Sand was stored properly to avoid fugitive emission.
53.	Structural design of the project shall strictly adhere to the seismic zone norms for earthquake resistant structures.	Structural design considering seismic zone- V and checked by proof consultant and safety consultant. A third-party independent design audit is done by IIT, BHU, Varanas for design of bridges, and structure with span of 15.00m or more.
54.	The planning, designs and construction of all buildings shall be such as to ensure safety from fire.	N/A as this is a road project.
55.	The project proponent shall ensure maximum employment to the local people.	It was ensured that the local people employed considering the nature of work.
56.	All required sanitary and hygienic measures shall be provided before starting the construction activities and to be maintained throughout the construction phase.	It was ensured that all required sanitary and hygienic measures were provided before starting the construction activities.
57.	Provision shall be made for housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical healthcare, créches, electricity & ventilation, canteen, rest rooms, safe disposal system for garbage, first aid, medical and emergency facilities etc. to ensure that they do no ruin the existing environmental condition. The housing may be in the form of temporary structures to be removed after completion of the project.	Temporary houses were constructed for labour at work site area with necessary infrastructure & facilities.
58.	Adequate personal protective equipments shall be provided to the construction workers to ensure their safety and the project proponent shall ensure its usage by the labourers.	Sufficient PPE kits were provided to the workers for safety.
59.	First Aid Box shall be made readily available in adequate quantity at all the times.	Sufficient First aid boxes were provided at work site office.
60.	First Aid Box shall be made readily available in adequate quantity at all the	Sufficient First aid boxes were provided at work site office.

61.	The project proponent shall strictly comply with the Building and other Construction Workers' (Regulation of Employment & Conditions of Service) Act 1996 and Gujarat rules made there under and their subsequent amendments.	It was ensured that the Building and other Construction Workers' (Regulation of Employment & Conditions of Service) Act 1996 and Gujarat rules made there under and their subsequent amendments
62.	The overall noise level in and around the project area shall be kept well within the prescribed standards by providing noise control measures including acoustic insulation, hoods, silencers, enclosures vibration dampers etc. on all sources of noise generation.	All the necessary arrangements were adopted for regulating the noise generation even though the project site is far away from the residential area.
63.	Ambient noise levels shall conform to residential standards both during day and night. Incremental pollution load on the ambient air and noise quality shall be closely monitored during construction phase.	All the necessary arrangements were adopted for regulating the noise generation even though the project site is far away from the residential area.
64.	The noise generating equipments, machinery and vehicles shall not be operated during the night hours and shall be maintained properly to avoid generation of high noise due to wear and tear.	All the necessary arrangements were adopted for regulating the noise generation even though the project site is far away from the residential area.
65.	Use of diesel generator sets during construction phase shall be strictly with acoustic enclosure and shall conform to the EPA Rules for air and noise emission standards.	D.G set with acoustic enclosure was provided conforming to the EPA rules.
66.	Safe disposal of wastewater and municipal solid wastes generated during the construction phase shall be ensured.	Solid wastes and water waste were disposed properly by making soak pits.
67.	All topsoil excavated during construction activity shall be used in horticultural / landscape development within the project site.	As excavated material is saline in nature, it cannot be used for horticulture/ Landscape.
68.	The municipal solid wastes shall be properly collected and segregated at source.	Solid wastes are segregated at source and then collected and disposed at designated places.
69.	Recyclable solid waste [paper, cartons, plastic, polythene bags, glass etc.] shall be sold to the scrap vendors.	Collected Solid waste were sold to the scrap vendors.
70.	Non-recyclable municipal solid waste shall be transferred to the nearest designated waste collection point of the concerned local authority.	Collected Solid waste were sold to the scrap vendors.
71.	Provisions of Solid Waste Management Rules-2016 shall be strictly adhered to.	Solid waste management Rules- 2016 were strictly adhered.
72.	The project must strictly comply with the rules and regulations with regards to handling and disposal of hazardous waste in accordance with the Hazardous Waste (Management, Handling and	It was ensured that the rules and regulations with regards to handling and disposal of hazardous waste in accordance with the Hazardous Waste (Management, Handling and Transboundary) Rules 2008.

	Transboundary) Rules 2008. Authorization from the GPCB must be obtained for collection / treatment / storage / disposal of hazardous wastes.	Authorization from the GPCB must be obtained for collection / treatment / storage / disposal of hazardous wastes
73.	Construction materials and debris shall be properly stored and handled to avoid negative impacts such as air pollution and public nuisances by blocking the roads and public passages.	Construction of project work is completed on 29.05.2023 and here is no construction materials and debris are available at work site.
74.	Construction debris shall be reused in construction of roads, levelling the site etc. Waste packaging material (like used cement bags, waste paper, cardboard packing material), metal scraps etc. shall be sold to recyclers or shall be sent to the nearest municipal solid waste landfill site.	Construction debris were removed from work site.
75.	The area temporarily used for storing the construction material and other activities shall be reclaimed by adequate Plantation.	Construction debris were removed from work site and reclaimed with plantation.
76.	Excavated earth to be generated during the construction phase shall be utilized within the premises to the maximum extent possible and balance quantity of excavated earth shall be disposed of with the approval of the competent authority after taking the necessary precautions for general safety and health aspects. Disposal of the excavated earth during construction phase shall not create adverse effect on neighbouring communities.	The excavated earth debris were removed from work site.
77.	Provisions of Construction & Demolition Waste Management Rules-2016 shall be strictly adhered to.	Noted please.
78.	Vehicles hired for bringing construction material at the site shall be in good conditions and conform to applicable air and noise emission standards and shall be operated only during day time and non-peak hours.	Noted please.
79.	Project proponent shall ensure use of eco-friendly building materials including fly ash bricks, fly ash paver blocks, Ready Mix Concrete [RMC] and lead-free paints in the project.	Fly ash was used for ready mix concrete work.
80.	Fly ash shall be used in construction wherever applicable as per provisions of Fly Ash Notification under the E.P. Act, 1986 and its subsequent amendments from time to time.	Fly ash was used for ground improvement work and RE wall construction work.
81.	Use of glass shall be minimal and only low emissive glass shall be used in the project	Used as per requirement.

to reduce the electricity consumption and	
load on air conditioning.	.4

B2. OPERATION PHASE AND LIFE TIME:

82.	Low water consuming devices shall be provided. Fixtures for showers, toilet, flushing and drinking shall be of low flow either by use of aerators/ diffusers or pressure reducing devices etc.	Low water consuming devices were provided at places whenever required.
83.	A water meter shall be installed on rain water harvesting & ground water recharge well system & compliance report of the same shall be submitted to concerned authorities.	As the project site area is saline in nature rain water harvesting is not possible.
84.	Used oil shall be sold only to the registered recycler.	Used oil was sold to the registered recycler.
85.	Provisions of Solid Waste Management Rules-2016 shall be strictly adhered to.	Solid waste management Rules- 2016 are strictly followed.
86.	Requisite firefighting facilities as per the requirement of NBC and Gujarat Fire Prevention and Life Safety Measures Act- 2013 along with the rules & regulations made there under shall be provided.	It was provided at site office as is a road project.
87.	First Aid Box shall be made readily available in adequate quantity at all the times.	Sufficient First aid boxes were provided at site office.
88.	Necessary emergency lighting system along with emergency power back up system shall be provided. Further, necessary auto glow signage at all appropriate places shall be provided to guide the people towards exits and assembly points during emergency.	Necessary sign boards were provided for vehicular traffic and stand by power supply was also provided wherever necessary.
89.	The overall noise level in and around the project area shall be kept well within the prescribed standards by providing noise control measures including acoustic insulation, hoods, silencers, enclosures vibrations dampers etc. on all sources of noise generation including D.G. Sets. The ambient noise levels shall confirm to the standards prescribed under the Environment (Protection) Act and Rules.	Stand by power supply arrangements were provided confirming to the standards prescribed under the Environment (Protection) Act and Rules.
90.	Traffic congestion near the entry and exit points from the roads. adjoining the proposed. project site shall be avoided. No public space including the service	Proper diversion road with signages as approved by NH Authorities are provided without parking space so that no blocking occurs.

	road shall be used-or blocked for the parking.	
91.	The project proponent shall install energy efficient devices, appliances, motors, and pumps conforming to the Bureau of Energy Efficiency norms.	The same was provided wherever required
92.	The transformers and motors. shall have minimum efficiency of 85%.	The same was provided wherever required
93.	Only variable frequency motor drives shall be used in project.	The same was provided wherever required
94.	Application of solar energy shall be incorporated for illumination of common areas, lighting for gardens and street lighting: In addition, the provision for solar water heating system shall also be provided.	The same was provided wherever required
95.	The area earmarked as green area shall be used only for plantation and shall not be altered for any other Purpose.	The area earmarked as green area were used only for the plantation purpose.
96.	Drip irrigation/flow volume, low angle sprinkler system shall be used for the lawns and other green area including tree plantation.	Sprinkler system is being used for the lawn and other area including tree plantation.
97.	The project proponent shall inform to SEAC. / SEIAA regarding the transfer of management responsibility to the Society/Association to be formed for the proposed Project with all the supporting documents. The Society Association formed for further management of the proposed project shall be responsible for compliance of all the conditions stipulated in the Environmental Clearance order.	N/A
98.	Environmental Clearance granted for the project on the basis of documents related to land possession submitted shall become invalid in case the actual land for the project site turns out to be different from the land considered at the time of appraisal of the project and mentioned in the EC.	The project is executed within the land already under possession of DPT, as submitted in the application for Environment Clearance.
99.	All other statutory clearances such as NLA. permission, approvals for storage of diesel from PESO, Fire Department, Airports Authority of India etc., if applicable, shall be obtained by the project proponent from the competent authorities.	N/A.

100.	All the conditions as may be stipulated in the NLA. order, Development	N/A.
	permission, Building Use permission, NOC obtained from Fire Department etc. shall be strictly complied with.	
101.	The project management shall also comply with all the environment protection measures, risk mitigation measures and safeguards proposed by them.	The environment protection measures, risk mitigation measures and safeguards proposed are complied.
102.	All the commitments/ undertakings given to the SEAC during the appraisal process for the purpose of environmental protection and management shall be strictly adhered to.	Noted please.
103.	The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose for the environmental protection and management.	Noted please.
104.	At the terms & conditions prescribed in the amendment of EIA Notification — 2006 published by the MoEF&CC vide its Notification No, S.O. 3999(E) dated 9th December, 2016 shall be complied with letter & spirit.	Conditions prescribed in the EIA notification 2006 are compiled.
105.	The project proponent shall strictly comply with the Gujarat Building and other Construction Workers' (Regulation of Employment & Conditions of Service) Rules 2003 as well as Gujarat Lifts & Escalators Rules as amended from time to time.	Noted please.
106.	No further expansion or modifications in the project likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.	Construction work is completed as per the approved environment clearance.
107.	The above conditions shall be enforced, inter-alia under the provisions of the water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act 1986 and the Hazardous Wastes (Management Handling and Tran boundary) Rules, 2008, Building and Other Construction Workers' (Regulation of Employment & Conditions of Service) Act-1996, The Gujarat Lifts and Escalators Act-2000 along with their amendments and rules.	As clarified in above points.

B. OTHER CONDITIONS

		.4
108.	The project proponent shall allocate the separate fund for Corporate Environment Responsibility (CER) in accordance to the MoEF&CC's Office Memorandum No. F.No.22-65/2017-IA.IN dated 01/05/2018 to carry out the activities under CER in affected area around the project. The entire activities proposed under CER shall be monitored and the monitoring report shall be submitted to the regional office of MoEF&CC as a part of half-yearly compliance report and to district collector. The monitoring report shall be posted on the website of the project proponent.	An amount of Rs. 1.75 Cr, has been earmarked as the CER budget for the project. The same shall be spent in different phases and the same shall be notified.
109.	The project authorities shall earmark adequate funds to implement the conditions stipulated by Forest & Environment Department., GOG / SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	Noted please.
110.	The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with the GPCB and may also be seen at the Website of SEIAA/SEAC/GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in the Gujarati language and the other in English. A copy each of the same shall be forwarded to the concerned Regional Office of the Ministry.	Advertisement published in EXIM INDIA (in English) and Kutchuday (in Gujarati) newspapers on dated 26/06/2020 and newspaper cuttings already sent to Regional office, Bhopal, MoEF&CC vide letter No.: EG/WK/4847(D)/III/922 dated 30/06/2020. The newspaper cuttings are attached as Annexure – VIII(in 2 pages) .
111.	It shall be mandatory for the project management to submit half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in soft copies to the regulatory authority concerned and shall be uploaded on website of Gujarat Real Estate Regulatory Authority, on 1st June and 1st December of each calendar year.	Compliance report is being submitted periodically.

112.	The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.	It is ensured that GPCB stipulations are adhered to.
113.	The project authorities shall inform the GPCB, Regional Office of MoEF&CC and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	(a) Date of start of project 01/10/2020. (b) Schedule date of completion 30/03/2023. (c) Actual date of completion 29/05/2023.
114.	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory. This environmental clearance is valid for seven years from the date of issue.	It is hereby ensured that conditions provided in the clearance issued by SEIAA will be implemented properly.
115.	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within 2 period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Point Please.
116.	Submission of any false or misleading information or data which is material to screening or scoping or appraisal or decision on the application makes this environment clearance cancelled.	

Annexure -I (in 3 pages)

Subject: Point-wise Compliance Status Report for CRZ clearance for proposed project for "Construction of Interchange cum Road Over bridge at N.H 141 to Nehru Gate of Deendayal Port Trust, Kandla, Dist: Kutch by Deendayal Port Trust"-reg.

Ref No: - GCZMA CRZ recommendation vide Letter No- ENV-10-2017-74-E dated 21.01.2018.

S. No.	CRZ Conditions	Compliance Status	
	SPECIFIC CONDITIONS		
1.	The DPT shall strictly adhere to the provisions of the CRZ Notification, 2011	IPRRCL (Project Implementation Agency) was adhered to all the provisions of CRZ Notification -2011.	
2.	Necessary permissions from different departments/ agencies under different laws/ acts shall be obtained before commencing any activity including the construction activities	The Consent to Establish (CTE) from the GPCB had already been obtained vide CTE No. 89489 granted by the GPCB vide letter no. PC/CCA-KUTCH 1449/GPCB ID 56869 dated 03/10/2017 attached as Copy Annexure II(in 4 pages) of the EC Compliance. Copy of approved GAD enclosed as Annexure III(in 2 pages) of the EC Compliance.	
3.	The DPT shall ensure that adequate culvert/passages are provided during construction of road and there shall be no obstruction of free flow of water.	The Construction of the project has been completed on 29/05/2023. IPRCL Total 15 culverts has been constructed for the continuous free flow of water. (Copy of GAD of Culverts attached as Annexure VI (in 16 pages) of the EC Compliance).	
4.	The DPT shall ensure that there shall not be any blockage of creek and free flow of water is maintained	The Construction of the project has been completed on 29/05/2023. IPRCL Total 15 culverts has been constructed for the continuous free flow of water.	
5.	The DPT shall construct settling ponds and the installation of the oil receptor to prevent the entry of the surface run-off from fuel and other contaminants into the wells and other surface bodies along the corridor.	The Construction of the project has been completed on 29/05/2023. Also, there were no wells in the project area and no spillage of fuel occurred in past at project area. The same will also be ensured in Maintenance period of project i.e. 4 years.	
6.	No vehicle or equipment shall be parked or re fuelled near the water-body, so as to avoid contamination from fuel and lubricants	The Construction of the project has been completed on 29/05/2023.	
		Also, the Vehicles and equipment are parked and refuelled at the site office area during maintenance period, and there is no sweet water body near the site office.	
7.	Hot mix plants/concrete mix plants shall be located and operated in such a way that there shall be no Air pollution.	The Construction of the project has been completed on 29/05/2023. The maintenance period is 4 years.	
		Hot Mix Plant and Concrete mix plant is located 7 km away from project site and GPCB approval of same is	

Addi. GENERAL MANAGER. (P)
IPRCL/GANDHIDHAM

Annexure -I (2)

S. No.	CRZ Conditions	Compliance Status		
		enclosed as Annexure VII (in 6 pages).		
8.	The DPT shall ensure that the quarry works, from which they will purchase raw materials, shall confirm to the norms and having necessary clearances from the respective authorities.	The Construction of the project has been completed on 29/05/2023. The maintenance period is 4 years. IPRCL has ensured that the quarry works, from which raw materials are purchased, conforms to the norms and had necessary clearances from the respective authorities.		
9.	The DPT shall make MOU with raw material supplier quarry/hot mix plants etc.in such a way that they will comply with all the terms and conditions mentioned in the CCA/NOC issued by the Gujarat Pollution Control Board.	The Construction of the project has been completed on 29/05/2023. The maintenance period is 4 years. The raw materials are being purchased by the contractors directly hence M.O.U by DPT with supplier is not required. However, conditions mentioned in NOC by GPCB was compiled too.		
10.	The DPT shall explore the possibility for using the fly ash @ 5%-10% to comply with the Fly Ash Notification.	The Construction of the project has been completed on 29/05/2023. The maintenance period is 4 years. Fly ash @ 5% to 10% was used in the Concrete as well as in Reinforced Earth Filling.		
11.	The DPT shall make sure that all the wastes arising from the project shall be disposed of at identified sites in environmentally sound manner.	The Construction of the project has been completed on 29/05/2023. The maintenance period is 4 years. The solid waste generated from construction site & labour camp was disposed off as per solid waste management Rules-2016.		
12.	There shall no discharge of any kind of wastewater/sewage/effluent into the creek/sea or in the CRZ areas.	The Construction of the project has been completed on 28/05/2023. The maintenance period is 4 years During construction phase there was no discharge of any kind of wastewater/sewage/effluent into the creek/sea or in the CRZ areas.		
13.	The DPT shall implement all the suggestions/recommendations given in the EIA report by their consultant M/s. Mantech Consultant Pvt. Ltd.	All the suggestions/recommendations given in the EIA report by consultant are implemented by IPRCL (Project Implementation Agency).		
14.	No ground water shall be taped to meet with the water requirements during the construction and/or operation phases.	The Construction of the project has been completed on 29/05/2023. The maintenance period is 4 years. Fresh water requirement during the construction		

Addl. GENERAL MANAGER. (P)
IPRCL/GANDHIDHAM

Annexure -I (3)

S. No.	CRZ Conditions	Compliance Status
		phase was fulfilled with Private Tanker supplying agency. It was ensured that no ground water was tapped in the construction phase.
15.	The DPT shall not discharge any kind of waste including the construction debris into the river/estuary or into the CRZ areas.	The Construction of the project has been completed on 29/05/2023. The maintenance period is 4 years. During construction phase there was no discharge of any kind of wastewater/sewage/ effluent into the creek/sea or in the CRZ areas.
16.	The DPT shall ensure that the construction camps are kept outside the CRZ areas and the construction labour are provided with adequate amnesties like drinking water, fuel, sanitation etc. to ensure that the existing environmental condition is not deteriorated by them.	The Construction of the project has been completed on 29/05/2023. The maintenance period is 4 years. It was provided adequate amenities like drinking water, fuel, sanitation, etc. to the construction labourers to ensure that the existing environmental condition is not deteriorated by them.
17.	The DPT shall regularly submit the half- yearly compliance report on the conditions stipulated by this department/SEIAA	IPRCL is being compiled the compliance report periodically.
18.	Any other conditions that may be stipulated by this department/SEIAA from time to time for environmental protection/management purpose.	Noted please.

Addi. GEMERAL MANAGER. (P)
IPRCL/GANDHIDHAM

Annexure II (In 4 Pages)

Subject: Point-wise Compliance status report for CTE for proposed project for construction of Interchange cum Road Over bridge at N.H. 141 to Nehru Gate of Deendayal Port Trust, Kandla, Dist: Kutch by Deendayal Port Trust-reg.

Ref No: - GPCB CTE-89489 vide letter No-PC/CCA-KUTCH-1449/GPCBID-56869 dated 03.10.2017.

DPT had signed an MOU with M/s IPRCL vide Certificate no. IN-GJ952233559268925 dated 09.06.2020 wherein it was IPRCL was appointed as the Project Implementation Agency for the project.

S.No.	CTE Conditions	Compliance Status	
	SPECIFIC CONDITIONS		
1.	This CTE 89489 is granted subject to the condition that you shall not stall any construction activities prior to obtaining of EC and CRZ clearance from competent authority fort their interchange cum road over bridge at 14.892 km.	EC & CRZ Clearance has been issued by SEIAA, Gujarat vide EC letter No. SEIAA/GUJ/ EC&CRZ/ 8(b)/728/2020 dated 19/06/2020. Date of start of commencement of the project 01/10/2020 and completed by 29.05.2023	
2.	No ground water to all condition of ToR issued by SEIAA vide order No. SEIAAGUJ/ToR/8(b)/471/2017 dated 29.04.2017.	It was ensured that no ground water was tapped during the construction phase.	
3.	Unit Shall adhere to all condition of TOR issued by SEIAA vide order No. SEIAAGUJ/TOR/8(b)/471/2017 dated 29.04.2017.	issued by SEIAA vide order No	
1.	CONDITIONS UNDER WATER ACT 1974:		
1.1	The generation of effluent construction operators shall not exceed of 16 kl/day and water shall be used for sprinkling purpose by dust suppression purpose.	IPRCL had used that the water sprinkling in vulnerable area on need basis.	
1.2	The sewage shall be disposed through septic tank.	The Sewage generated during the construction phase was treated in septic tank.	
2.	CONDITIONS UNDER AIR ACT 1981:		
4.1	There shall be no flue gas emission and process emission from construction activity and other ancillary emission.	There was no flue gas emission and process emission from construction activity and other ancillary emission.	
4.2	The concentration of the following parameters in the ambient air within the premises of the industry shall not exceed the limits specified hereunder as per national Ambient Air Quality Emission Standards issues by Ministry of Environment, Forest and Climate change date 16th November, 2009.	The concentration of the various parameters in the ambient air within the premises of the construction camp was not exceeded the limits specified hereunder as per national Ambient Air Quality Emission Standards.	

Addi. GENERAL MANAGER. (P)
IPRCL/GANDHIDHAM

	No.	Pollutant	Time Weight	Concentration in Ambient	
	1.	S02	Average Anuual	Air in Ug/M3 50	
	1.		24 hrs	80	
	2.	NO2	Anuual 24 hrs	40 80	
	3.	PM10	Anuual 24 hrs	60 100	
	4.	PM2.5	Anuual 24 hrs	40 60	
a.	, plate the ai for in: The c of em such painte	form etc. at r emissions spection to, himney (s) hission shal as S-1, S-2	chimney(s and the sa and for us attached t l be desig	potholes, ladder s) for monitoring me shall be open e of Board's staff. o various source ned by numbers I these shall be to facilitate	This segment is not applicable as it is a road project.
b.	within not ex		ises of ind ring levels: nd 10 P.M.	:75 dB(A)	The concentration of noise in Ambient Air within the premises of construction camp was not exceeded the prescribed levels.
	CONE	DITIONS UN	DER HAZ	ARDOUS WASTE	
5.1	provis (Mana	sions of	f Haza andling &	comply with rdous Waste Trans-boundary	The provisions of Hazardous Waste (Management, Handling & Trans -boundary Movement Rule-2016) was adhered.
5.2	The a	applicant shoon TSDF sit	nall obtain te for dispo nent ,Han	membership of esal of Hazardous adling & Trans- 2016)	The necessary permission was obtained as and when required.
5.3	comn		ous waste	membership of incinerator for te.	The necessary permission was obtained as and when required.
5.4	The storag waste (Mana move	applicant ge facilities as p agement , H ment) Rule-	shall pro for each ty er Haza Handling & 2016.	vide temporary ype of hazardous ardous Waste Transboundary	Noted Please.
61		RAL COND		+	The Henticulture is a set 1 1 1 1
6.1	per t	he GPCB g ate land i	uidelines. s not ava	t on road side as However if the allable with the the up with local	The Horticulture is provided in the median and greenbelt development area.

Addl. GENERAL MANAGER. (P)
IPRCL/GANDHIDHAM

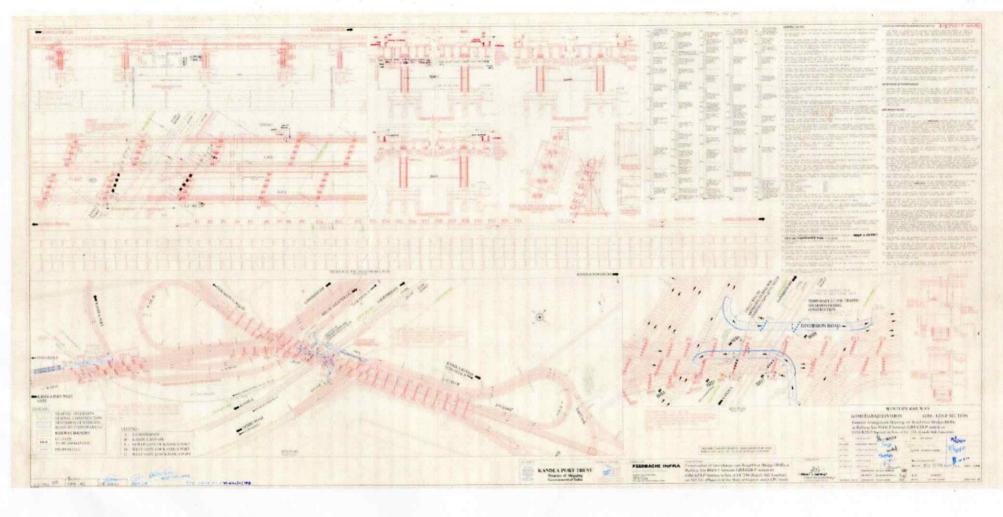
	agencies like gram panchayat, school, social forestry office etc. for the plantation at suitable open land in nearby locality and submit an action plan of plantation for next three years to GPCB.	
6.2	In case of change of ownership/management the name and address of the new owners/partners/directors/proprietor should immediately be intimated to the Board.	Noted Please.
6.3	The applicant shall however, not without the prior consent of the Board bring into use any new or altered outlet for the discharge effluent or gaseous emission or sewage waste from the proposed industrial plant. The applicant is required to make applications to the Board for this purpose in the prescribed forms under the provisions of the Water Act 1974, the Air Act 1981 and the Environment (Protection) Act,1986.	Noted Please.
6.4	The overall noise level in and around the plant area shall be kept well within the standards by providing noise control measures including engineering control like acoustic insulation hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise level shall conform to the standards prescribed under the Environment (Protection) Act, 1986 & Rules.	The overall noise level in and around the construction camp area was kept well within the standards by providing various noise control measures.
6.5	Applicant is required to comply with the manufacturing, storage and Import of Hazardous chemicals Rules -1989 formed under the Environment (Protection) Act 1986.	Noted Please.
6.6	If it is established by any competent authority that the damage is caused due to their industrial activities to any person or his property in that case they are obliged to pay the compensation as determined by the competent authority.	Noted Please.
6.7	Applicant shall have to comply with all guidelines, Directive issued/being issued by MoEF /CPCB/DoEF from time to time.	Noted Please.

Addi. GENERAL MANAGER. (P)
IPRCL/GANDHIDHAM

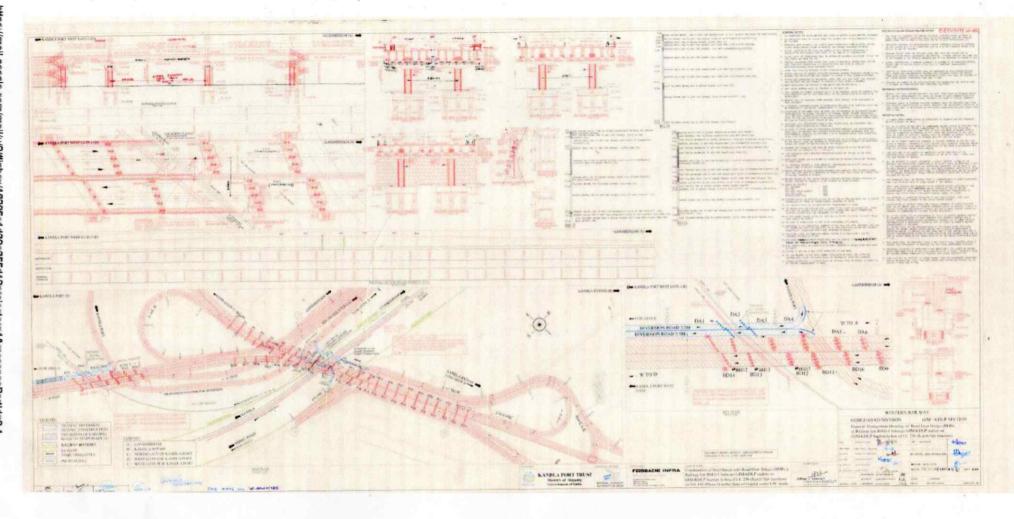
6.8	Applicant shall not use/withdraw ground water either during construction and / operation phase.	Noted Please.
6.9	Environmental cell shall be setup and shall be responsible for the total Environmental management.	All the environment related aspects of the project during construction and operational phase was supervised by Project Implementation Agency. DPT has signed an MOU with M/s. IPRCL vide Certificate no. IN-GJ952233559268425 dated 09.06.2020 wherein IPRCL was appointed as the Project Implementation Agency for the project.
6.10	Monitoring in respect to Air, Water, Noise level shall be carried out and results shall be submitted to this Board on quarterly basis.	Noted Please.

Addl. GENERAL MANAGER. (P)
IPRCL/GANDHIDHAM

Annexure III (In 2 Pages)



4/5/2018



Annexure IV (In 14 Pages)



इंडियन पोर्ट रेज कारपोरेशन जिमिटेड (भारत सरकार का उपक्रम) Indian Port Rail Corporation Ltd. (A Government of India Enterprise) CIN No: U60300DL2015GOI282703

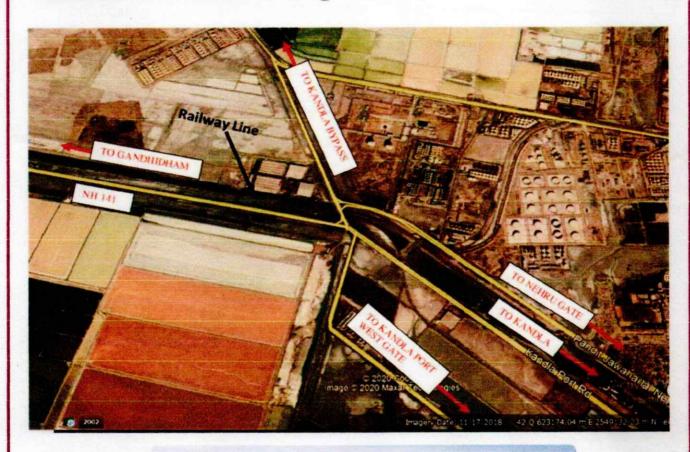


Construction of Interchange cum Road Over Bridge (ROB) at LC 236 (Kutch Salt - Junction) on NH 141 (Phase- I) in the State of Gujarat under EPC mode.

EPC Contractor:

Niraj - Patel JV

BBZ S 60, "NEELKANTH", ZANDA CHOWK, GANDHIDHAM, KUTCH, GUJARAT - 370201.



Design of ROB Super Structure @ Ch.0+639

Sep 2020

Design Consultants:



Nivedita Consultants

B – 98, Sector – A, Sanik Vihar Colony, Nandanagar, Kunraghat, Gorakhpur – 273008 (UP) Phone: +91-0124-4054562; email: nivcons@gmail.com

AUTHORITY:



इंडियन पोर्ट रेज कारपोरेशन जिमिटेड (आरत मरकार का उपजम) Indian Port Rail Corporation Ltd. (A Government of India Enterprise) CIN No. U60380DL2015GO1282703



PROJECT: Construction of Interchange cum ROB

Construction of Interchange cum Road Over Bridge (ROB) at LC 236 (Kutch salt junctio) on NH 141 (Phase-1) in the state of Gujrath under EPC mode.

EPC CONTRACTOR:

M/S NIRAJ-PATEL JV

BBZ S 60, "Neelkanth" Zanda chowl, Gandhidhsm, Kutch, Gujrat- 370201

THIRD PARTY PROOF CONSULTANT:



Indian Institute of Technology (BHU) Varanasi

IIT-BHU, Banaras Hindu University Campus, Uttar Pradesh 221005

PROOF CONSULTANT:



M/s Nitya Nayra Civil Solution PVT. LTD

1/70, TF-1, MIG SEC-1, Vasundhra, Ghaziabad - 201 012, Uttar Pradesh, India

TITLE OF DOCUMENT:	Design of ROB Super structure	at CH:0+639.1
TITLE OF DOCUMENT:	Design of ROB Super structure	at CH:0+639.1

Doc. Number:	KUT-SUP STR-ROB-RLY-CH"0+639.1-DN-01	Prepared By:	CN
Rev. No:	R0	Checked By:	NK
Date:	29/8/2020	Approved By:	NK

Date:	Rev No.	Revision	Ву
29/8/2020	R0	For Review and Approval	CN

DESIGN CONSULTANT:



email: nivcons@gmail.com

Nivedita Consulting

B – 98, Sector – A, Sanik Vihar Colony, Nandanagar, Kunraghat, Gorakhpur – 273008 (UP) Phone: +91-0124-4054562;

Project:	Construction of Interchange cum ROB	
Doc. Title	Design of ROB Super structure at CH:0+639.1	Nivedita Consultants
and the same of th	KUT-SUP STR-ROB-RLY-CH"0+639.1-DN-01	
		Rev. R0

Design of Super Structure	
Table of Contents	

SI. No.	Title		Page No.			
1	Design of PSC I Girder and Diaphragm	1	-	383		
2	Design of RCC I Girder and Diaphragm	389		486		
3	Design of RCC Deck Slab	487	= -	510		
	- 1-18 of Ree 1 Officer and Diaphragm					

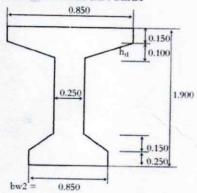
Design of PSC I - Girder

Annexure My

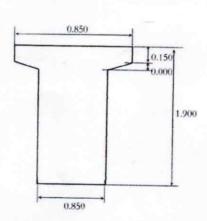
Project:	Construction of Interchange cum ROB			
Doc. Title	Design of ROB Super structure at CH:0+639.1	ž' Ni	redita Cons	ultants
Doc. no.	KUT-SUP STR-ROB-RLY-CH"0+639.1-DN-01			
		Rev.	*	RO

SALIENT FEATURES OF THE BRIDGE DECK:			
Skew angle	=	20 deg.	
Span c/c of Exp. J.	=	30.0 m	
Exp. Gap	=	42.6 mm	
c/L of brg. to c/L of exp. J	=	0.69 m	
Span c/c of brg.	=	28.617 m	(610)
Overall span	=	29.957 m	(SK)
Overhang beyond c/L brg.	=	0.670 m	(SK)
Thickness of End Cross-Girder	= -	0.851 m	(SK)
Thickness of Intermidate Cross-Girder	=	0.319 m	(SK)
Girder overhang beyond c/l brg,	=	0.000 m	(SK)
Overall Length of Girder	=	28.10 m	ESTEN.
c/L of temporary brg. from face of girder	=	0.65 m	(SK)
c/L of permanent brg. to face of end cross girder	=	0.426 m	
Overall carriageway width	=	13.4 m	
Wearing Coat Thickness	=	65 mm	
Depth of Precast Beam			
Thickness of Cast-in-situ deck	=	1.900 m	
Overall depth Beam +slab	=	0.230 m	
c/c of girder (transvers direction)	=	2.130 m	
Nos. of Girder	=	3.5 m	
Deck cantilever in transverse direction		4 Nos.	
earlierer in transverse direction	=	1.45 m	
Density of Concrete	= -	2.5 t/m ³	
Size of bearing	=	0.600 x	0.600 m
		(Long)	(Trans)

PROPORTINING OF PRECAST BEAM



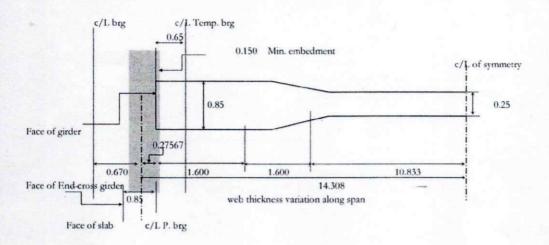
Section at Mid Span



Section at Support

Annexy XII (6).

Project:	Construction of Interchange cum ROB	Ð.,,		
Doc. Title	Design of ROB Super structure at CH:0+639_1	Ł Ni	redita Cons	ultants
Doc. no.	KUT-SUP STR-ROB-RLY-CH"0+639.1-DN-01	Rev.		RO



W/oh Thickening

Section At	Face	Jacking	c/L brg.	c/L brg.	Te	deff	L/8	TS	2L/8	3L/8	4L/8
Dist. From c/L Permanent brg. (m)	0.00	0.15	0.00	0.00	1.60	1.81	3.58	3.20	7.15	10.73	14.31
Dist. From face of girder (m)	0.00	0.15	0.00	0.00	1.60	1.81	3.51	3.20	7.02	10.54	14.05
Dist. From jacking point (m)	-0.15	0.00	0.28	0.28	1.45	1.66	3.36	3.05	6.87	10.39	13.90
Dist. From c/L temp. brg. (m)	0.00	0.15	-0.65	-0.65	0.95	1.16	2.86	2.55	6.37	9.89	13.40
bw m	0.85	0.85	0.85	0.85	0.85	0.78266	0.250	0.3381832	0.25	0.25	0.25

Overall depth of composite girder 2.130 m 1.811 */Assumed 0.85 times of overall depth

MATERIAL USED:

Grade of Reinforcement Fe 500 fyk 500 Mpa Modulus of Elasticity Es 200000 Mpa Cast insitu deck M 40 =

fck 40 Mpa fcm 50 MPa Ecm 33000 MPa

Precast Beam M 45 fck 45 fcm 55 MPa Ecm 34000 MPa

fctk,0.05 Characteristic axial tensile strength of concrete 2.3 MPa

ANALYSES ASSUMPTION

Environmental parameters Relative humidity 57 % SEVERE Exposure condition

> ChronosCoul Prof. K. K. Pathak Department of Civil Engineering Indian Institute of Technology Banaras Hindu University Varanasi-221005

Proof Checked

GANDHIDHAM

Project:	Construction of Interchange cum ROB	P Nivedita (insultants
Doc. Title	oc. Title Design of ROB Super structure at CH:0+639.1	2 Aircune C	
Doc. no.	KUT-SUP STR-ROB-RLY-CH"0+639.1-DN-01	Rev	RO

TEMPERATURE

Coefficent of thermal expansion 1.2E-05 /°C

FOR PRECAST BEAM

Modulus of Elasticity

34000 Mpa Ecm For short Term loading Ecm/ (1+\$) For long Term loading Ecm'

Creep coefficent

Creep

1.51 m2 Ac (Composite Outer Girder at mid span considered) Cross-sectional Area 8.56 m Perimeter in contact with atmosphere u

352 mm 2Ac/u Notational size ho

1.53 (Refer Appendix B) $\phi(\infty)$

1.68 *(Increased by 10% on the conservative side)

12682.7 N/mm² Ecm'

SERVICEABILITY LIMIT STATE:

Rare Combination

Max permissible Stress in Concrete 0.48*fck(t)

Max permissible tensile Stress in Concrete

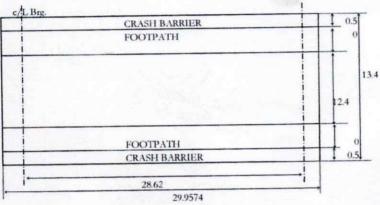
=fctm (mean tensile strength) -3.3 Mpa fctm

Quasi permanent Combination

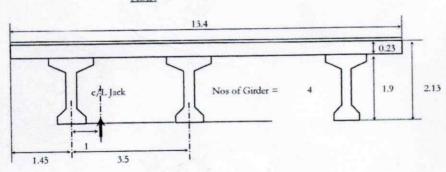
Max permissible Stress in Concrete 0.36*fck(t)

400 Mpa 0.8*fyk = Max permissible Stress in Steel

0.2 mm Permissible crack width



PLAN



Super-structure Cross-section

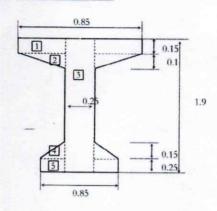
Project:	Construction of Interchange cum ROB			
Doc. Title	Design of ROB Super structure at CH:0+639.1	Y Nivedita	onsultants	
Doc. no. KUT-SUP STR-ROB-RLY-CH"0+639.1-DN-01		. Rev	RO	

PROPERTY CALCULATION OF PRECAST BEAM:-

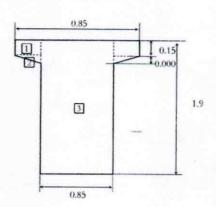
Density of concrete

2.5 t/m3

ALINNER/ OUTER GIRDER:



Section at Mid Span



Section at Support

Section Property At Mid Span

Element	Factor	В	D		A	cg,	Izz	cg _z .	Iyy
No.	Factor	m	m	Nos.	m ²	m	m ⁴	m	m ⁴
1	1	0.300	0.15	2	0.0900	0.075	0.080	0.275	0.00748
2	0.5	0.300	0.1	2	0.0300	0.18333	0.021	0.225	0.00167
3	1	0.25	1.9	1	0.475	0.95	0.145	0	0.00247
4	0.5	0.3	0.15	2	0.045	1.60	0.015	0.275	0.00363
5	1	0.3	0.25	2	0.150	1.78	0.087	0.225	0.00872
Total					0.7900	1.015	0.348		0.0240

UDL

0.790

2.5

1.98 t/m

GROADS	
E Jest in 101	1
(5) John (5)	
0,911	
FGURU	

Section Property At Support Section

Element	Factor	В	D	Nos.	A	cg _y .	Izz	cg _{t'}	I _{yy}
No.	Tactor	m	m	1408.	m ²	m	m ⁴		4
1	1	0.000	0.15	2	0.000	0.075	0.000	0.425	0
2	0.5	0.000	0.00	2	0.0000	0.15	0.000	0.425	0
3	1	0.85	1.9	1	1.615	0.95	0.486	0	0.09724
Total					1.615	0.950	0.486		0.0972

UDL

1.615

2.5

4.04 t/m

Section At		unit	Face	Jacking	c/L brg.	c/L brg.	deff	Te	L/8	TS	2L/8	3L/8	4L/8
Dist. From c/1	l. brg.	m	0	0.15	0	0	1.8105	1.600	3.577	3.200	7.154	10.731	14.308
web width	bw	m	0.85	0.85	0.85	0.85	0.78266	0.85	0.25	0.33818	0.25	0.25	
Area	A	m ²	1.615	1.615	1.615	1.615	1.522	1.615	0.790	0.911	0.790	0.790	0.790
Izz		m ⁴	0.486	0.486	0.486	0.486	0.470	0.486	0.348	0.368	0.348	0.348	0.348
Iyy		m ⁴	0.097	0.097	0.097	0.097	0.089	0.097	0.024	0.035	0.024	0.024	0.024
yb		m	0.950	0.950	0.950	0.950	0.943	0.950	0.885	0.895	0.885	0.885	
yt		m	0.950	0.950	0.950	0.950	0.957	0.950	1.015	1.005	1.015	1.015	1.015

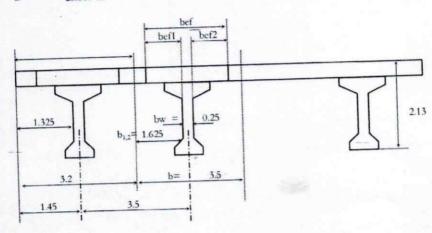
MANAGER (P) / IPRCL

Proof Checked

Prof. K. K. Pathak Department of Civil Engineering Indian Institute of Technology Banaras Hindu University Varanasi-221005

	Construction of Interchange cum ROB	Nivedita Consulta	nts
Doc. Title	Design of ROB Super structure at CH:0+639.1	Rev.	RO
Doc. no.	KUT-SUP STR-ROB-RLY-CH"0+639.1-DN-01	. Rev.	

EFFECTIVE WIDTH CALCULATION:



beff. CALCULATION FOR INNER GIRDER:

$$b_{1,2} = 1.625$$

beff_{1,2} = Min
$$\begin{cases} 0.2 \text{ bi } + 0.1 \text{ bi} = 3.2 \text{ m} \\ 0.2 \text{ bi} = 5.72331 \text{ m} \end{cases}$$

$$beff_{1,2} = 3.18666 \text{ m}$$

beff = Min
$$\begin{cases} \sum beff, i + bw = 6.62331 \text{ m} \\ b = 3.5 \text{ m} \end{cases}$$

beff. CALCULATION FOR OUTER GIRDER:

$$b_1 = 1.325 \text{ m}$$

$$=$$
 1.63 m

beff₁ = Min
$$\begin{cases} 0.2 \text{ bi } + 0.1 \text{ } b = 3.1 \text{ m} \\ 0.2 \text{ } b = 5.72331 \text{ m} \end{cases}$$

$$beff_1 = 3.12666 \text{ m}$$

beff₂ = Min
$$\begin{cases} 0.2 \text{ bi } + 0.1 \text{ } b = 3.2 \text{ m} \\ 0.2 \text{ } b = 5.7 \text{ m} \end{cases}$$

$$beff_2 = 3.18666 \text{ m}$$

beff = Min
$$\begin{cases} \sum beff, i + bw = -6.56331 \text{ m} \\ b = 3.2 \text{ m} \end{cases}$$

Project	Construction of Interchange cum ROB	P _V	vedita Cons	cultants
Doc Title	Design of ROB Super structure at CH:0+639.1		reuna con	1
	KUT-SUP STR-ROB-RLY-CH"0+639.1-DN-01	Rev.		R0

D) CHECK FOR SHEAR:

(IRC 112 / clause 10.3.2 (2))

Load comb.	V _{ED}	β	βV_E	o d	bw	k= Min [1+ \\200/d,2]	Asl	p1 = Min [Asl/bw d , 0.02]	$v_{min} = 0.031 \text{ k}^{3/2}$ $fck^{1/2}$	σ_{cp}	$V_{Rdc} = Max [(0.12 \text{ k} (80 \text{ p1 fck})^{0.33} + (0.15 \sigma_{cp}) \text{ bw d},$ $(V_{min} + 0.15 \sigma_{cp}) \text{ bw}$	Check
	Т		T	mm	mm		mm ²			Мра	Tonne,	
Cantilever Port Cantilever (Girde Cantilever (Girde	er Top Flange 10.06			06 179 98 429			1330.557 1330.557	0.0074	0.555		12.2251 18.4751	No Shear reinf. Required No Shear reinf. Required
Intermediate so Girder Top Flag	e Face		1 11	.17	1000	2.000	1330.557	0.0074	0.555	0	12.2251	No Shear reinf. Required
Girder web Face Intermediate s Intermediate Mi	17.41 pan			.55 17			1330.557 1330.557	0.0031			18.4751 12.2251	No Shear reinf. Required









Annume Du



इंडियन पोर्ट रेज कारपॉरेशन जिमिटेड (भारत सरकार का उपक्रम) Indian Port Rail Corporation Ltd. (A Government of India Enterprise) CIN No: U60300DL2015GOI282703

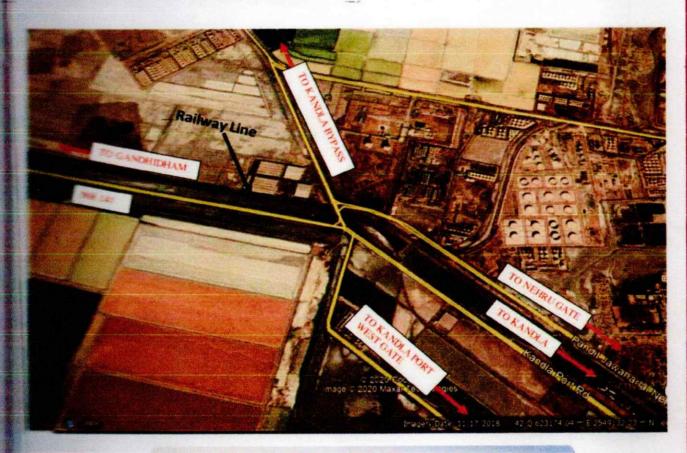


Construction of Interchange cum Road Over Bridge (ROB) at LC 236 (Kutch Salt - Junction) on NH 141 (Phase- I) in the State of Gujarat under EPC mode.

EPC Contractor:

Mirai - Patel JV

S 50. "NEELKANTH", ZANDA CHOWK, SANDH DHAM, KUTCH, GUJARAT - 370201.



Design of ROB Test Pile @ Ch.0+639

Sep 2020





wedita Consultants

Sector - A, Sanik Vihar Colony, Nandanagar, Kunraghat, Gorakhpur - Phone: +91-0124-4054562; email: nivcons@gmail.com

AUTHORITY:



इंडियन पोर्ट रेज कारपोरेशन विमिटेड (भारत सरकार का उपजस) Indian Port Rail Corporation Ltd. (A Government of India Enterprise) CIN No. U60300DL2015GOI282703



PROJECT: Construction of Interchange cum ROB

Construction of Interchange cum Road Over Bridge (ROB) at LC 236 (Kutch salt junctio) on NH 141 (Phase-1) in the state of Gujrath under EPC mode.

EPC CONTRACTOR:

M/S NIRAJ-PATEL JV

BBZ S 60, "Neelkanth" Zanda chowl, Gandhidhsm, Kutch, Gujrat- 370201

THIRD PARTY PROOF CONSULTANT:



Indian Institute of Technology (BHU) Varanasi

IIT-BHU, Banaras Hindu University Campus,

Uttar Pradesh 221005

PROOF CONSULTANT:



M/s Nitya Nayra Civil Solution PVT. LTD

1/70, TF-1, MIG SEC-1, Vasundhra, Ghaziabad - 201 012, Uttar Pradesh, India

TITLE OF DOCUMENT:	Design of ROB TEST PILE at CH:0+639.1

Doc. Number:	KUT-TEST PILE-ROB-RLY-CH"0+639.1-DN-01	Prepared By:	CN
Rev. No:	R0	Checked By:	NK
Date:	8/9/2020	Approved By:	NK

Date:	Rev No.	Revision	Ву
1,575			
8/9/2020	R0	For Review and Approval	CN

DESIGN CONSULTANT:

email: nivcons@gmail.com



Nivedita Consulting

B – 98, Sector – A, Sanik Vihar Colony, Nandanagar, Kunraghat, Gorakhpur – 273008 (UP) Phone: +91-0124-4054562;

Project:	Construction of Interchange cum ROB		
Doc. Title	Design of ROB TEST PILE at CH:0+639.1	Y Vivedita	onsultants
Doc. no.	KUT-TEST PILE-ROB-RLY-CH"0+639.1-DN-01	Rev	R0

DESIGN OF TEST PILE:

Vertical Test Load

Vertical Load Capacity for test pile

400 T

Test Load for test Pile

=	400	X
=	1000 T	on

2.5

Calculation of latteral load

*/Non-seismic & submerged condition is considered

*/Calculating depth of fixity

Dia of pile Grade of concrete

fck

1200 mm 35 Mpa

E

320000 kg/cm² 1E+07 cm4

Stiffness factor for P.C. Cohesive soil

4√(EI/K B) 460.00 cm Niraj Parel

Total Length of Pile

24 m 0.0 m

Free Length of Pile , L1 Embedded length of pile, Le

24.0 m

L₁/T

0.000

Corresponding value of L_f/T Depth of fixity, L

1.95 8.97 m

Total free length

8.97 m

Design Load

10 Tonne

*/ For fixed head pile

Deflection at pile head top

 $y = Q * (L1 + Lf)^3 / 12 EI =$

1.85 mm

*/ Calculation for equivalent force for free head pile

 $L_1 + L_f$

Q

Lf/T for free head pile

1.6

L for free head pile 7.36 m

L₁ + L_f for free head pile

7.36 m

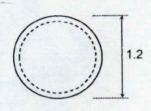
Proof Checked

GANDHIDHAM

Prof. K. K. Pathak Department of Civil Engineering Indian Institute of Technology Banaras Hindu University Varanasi-221005

Project:	Construction of Interchange cum ROB	0, .	
Doc. Title	Design of ROB TEST PILE at CH:0+639.1	E Assedita	l oasaltants
Doc. no.	KUT-TEST PILE-ROB-RLY-CH"0+639.1-DN-01	Rev	R0

Equaivalent load for free head pil	e Q _{free} = y*3 EI /(L1	+Lf)3	=	4.53 Tonne	
	-	ay	=	5.00 Tonne	
Factored design load			=	5 x	2.5
			=	12.5 Tonne	
Free Head moment	М		=	Q _{free} *(L ₁ +L _f)	
			=	92.0 Tm	1 0
Moment reduction factor	m		=	0.400 Tm	Unimpetor IV
Modified design Bending Momen	t M _d		=	36.8 Tm	Design Palel 3
ULS Modified design Bending Mo	oment M _d		=	55.2 Tm	
R/F Calculation of test Pile					



Material Properties:

fck	=	35	N/mm ²
fyk	=	550	N/mm ²
Es	=	200000	N/mm ²

Pile Dia D	=	1200	mm 🥳
Clear cover			mm
Dia of bar	=	16	mm /
Nos. of Bars	=	24	Nos 7
Effective cover	=	83	mm
Reinf Circular dia	= 11111	1034	mm
Spacing	=	135.4	mm
Area of steel provided	=	4825	mm ²
% steel provided	=	0.43	%

xu/D	Pu	Mu
XU/D	T	Tm
1E-27	-229.8	0.7
0.2	65.2	136.0
0.4	457.8	239.6
0.6	892.8	256.4
0.8	1305.0	198.3
1	1624.3	106.1
1.2	1775.7	56.4
1.4	1854.9	29.0
1.6	1899.8	11.8
1.8	1925.2	1.1
2	1938.4	-5.0

2500 INTERACTION DIAGRAM (Pu: Mu) 2000 D1500 1000 500 200 250

Mu (Tm)

Minimum % steel



OK

0.4 %

MANAGER (P) / IPRCL GANDHIDHAM

0 T Pu Mu 55.2 Tm

Mu capacity

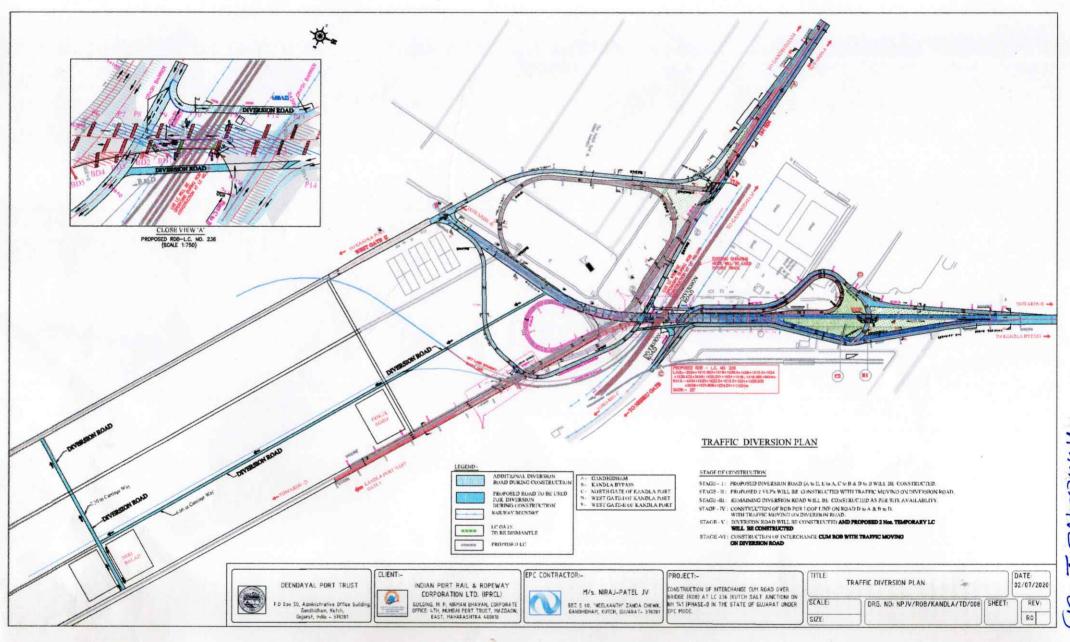
106 Tm

-500

55.2 Tonne OK

Prof. K. K. Path Department of Civ Indian Institute o Banaras Hindu U Varanasi-221005

Annexure V (In 3 Pages)



URGENT/ BY EMAIL

भारत सरकार सड़क परिवहन एवं राजमार्ग मन्त्रालय

कार्यालय, क्षेत्रिय अधिकारी, न्यू सविधालय, ब्लॉक नं0-14 वर्ष्यं तल, गाँबीनगर-382010 गुजरात फोन / फैक्स-079-2322070**5**



GOVERNMENT OF INDIA Ministry of Road Transport & His

> Office of the Regional Officer New Sachivalaya, Block No.14 4th floor, Gandhinagar 382010 Gujarat. Phone/Fax No. 079-23220705

> > Dated: October 14, 2020

RW/GNR/NH/HA/NOC/03/782

To,

The Under Secretary Roads & Building Department Sachivalaya Gandhinagar, Gujarat

SUB: Construction of Interchange cum Road Over Bridge (ROB) at km 367.924, LC 236 (Kutchh Salt Junction) on NH-141 in the State of Gujarat - Approval of Revised Temporary Traffic Diversion Plan Reg.

Sir.

Please refer to your letter no. RLY-13-2016-2631-M dated 16/09/2020, submitting therewith the revised proposal for Temporary Traffic Diversion for the work cited under subject above, to this office for approval.

- The proposal has been examined and the same is found to be in order. Accordingly, in supersession of this office letter no. RW/GNR/Works/529/GJ/2017/393 dated 08/12/2017, the Revised Temporary Traffic /Diversion Plan for Construction of Interchange cum Road Over Bridge (ROB) at km 367.924, LC 236 (Kutchh Salt Junction) on NH-141 in the State of Gujarat, is hereby granted by the Competent Authority, subject to the following conditions.
 - M/s IPRCL will follow the provisions for the approved revised traffic diversion plan as per IRC SP:55.
 - During construction and operation of the diversion road, traffic safety provisions as per IRC SP:88 shall be strictly followed, under the supervision of concerned Executive Engineer, National Highway Division, Gujarat.
 - There shall be no restriction on NH ROW by M/s IPRCL and future development of the National Highway.
 - There shall be sufficient provision for drainage arrangement made by M/s IRPCL on the diversion road and restored existing National Highway, so that no water stagnation occurs.
 - The diversion road shall be constructed and maintained operational by M/s IRPCL under the direct supervision of concerned Executive Engineer, National Highway Division, Gujarat. Further restoration of existing NH road shall be done under the direct supervision of concerned Executive Engineer, National Highway Division, Gujarat. Failure to adhere stipulation will warrant action against M/s IRPCL by concerned Executive Engineer, National Highway Division, Gujarat under Section 36 of The Control of National Highway (Land and Traffic) Act, 2002.

URGENT/ BY EMAIL

- Any deviation to the instant approval shall be approved by MoRTH prior to 2.6 execution at site.
- All order related to Temporary closure of traffic on Highway for construction of 2.7 instant ROB along with diversion of traffic on diversion road shall be issued by the concerned Executive Engineer, National Highway Division, Gujarat under Section 30 and Section 33 of The Control of National Highway (Land and Traffic) Act, 2002.
- Three copies of 'as laid drawings' of work (hard and soft copies) with geotagged 2.8 photographs and geo-tagged video recordings of work executed (with respect to the NH) and after complete restoration shall be submitted to the Authority for verification.
 - Properly designed direction sign boards as per IRC guidelines should be fixed at appropriate locations for safety of road users.
 - 24x7 deployment of trained manpower for traffic regulation at desired locations to avoid the conflict of traffic and for ensuring smooth flow of traffic as per approved diversion plan, should be ensured by M/s IPRCL.
 - A detailed pamphlet should be prepared in Hindi/ Gujarati language indicating origin and destination along with route as per approved diversion plan. The same should be circulated during the execution of project to all road users for proper traffic management.

Encl: Approved Revised Temporary Traffic Diversion Plan.

Yours Sincerely,

HARSH PRABHAKAR EXECUTIVE ENGINEER FOR HIGHWAY ADMINISTRATION

Copy To:

The Executive Engineer, National Highway Division, Gandhidham., for information and ary action.

The Addl. General Manager (P), Ahmedabad, Indian Port Rail & Ropeway Corpor Ltd., Nirman Bhawan, Mumbai Port Trust Building, Mazgaon, Mumbai., for information ary action.

Annexure VI (In 16 Pages)



INDIAN PORT RAIL & ROPEWAY CORPORATION LTD. (IPRCL)



BUILDING, M. P., NIRMAN BHAVAN, CORPORATE OFFICE: 4TH, MUMBAI PORT TRUST, MAZGAON, EAST, MAHARASHTRA 400010

CONSTRUCTION OF INTERCHANGE CUM ROAD OVER BRIDGE (ROB) AT LC 236 (KUTCH SALT JUNCTION) ON NH 141 (PHASE-I) IN THE STATE OF GUJARAT UNDER EPC MODE.

DRAWINGS PIPE CULVERT

DESIGN CONSULTANT:-



M/s. NIVEDITA CONULTANTS
ARCHITECTURAL, CIVIL AND STRUCTURAL
ENGINEERING CONSULTANTS

CLIENT :-



INDIAN PORT RAIL & ROPEWAY
CORPORATION LTD. (IPRCL)
BUILDING, M. P., NIRMAN BHAVAN, CORPORATE
OFFICE 4TH, MUMBAI PORT TRUST,
MAZSAGN FAST MAHABASHTRA 4,00010

EPC CONTRACTOR:-

M/s. NIRAJ-PATEL JV

BBZ S 60, "NEELKANTH" ZANDA CHOWK,
GANDHIDHAM, KUTCH, GUJRAT- 370201

SAFETY CONSULTANT:-



M/S FORGIVING ROADS LLP GURUGRAM

PROOF CONSULTANT:-



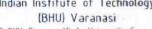
M/S NITYA NAYRA CIVIL SOLUTIONS PVT. LTD. BHOPAL



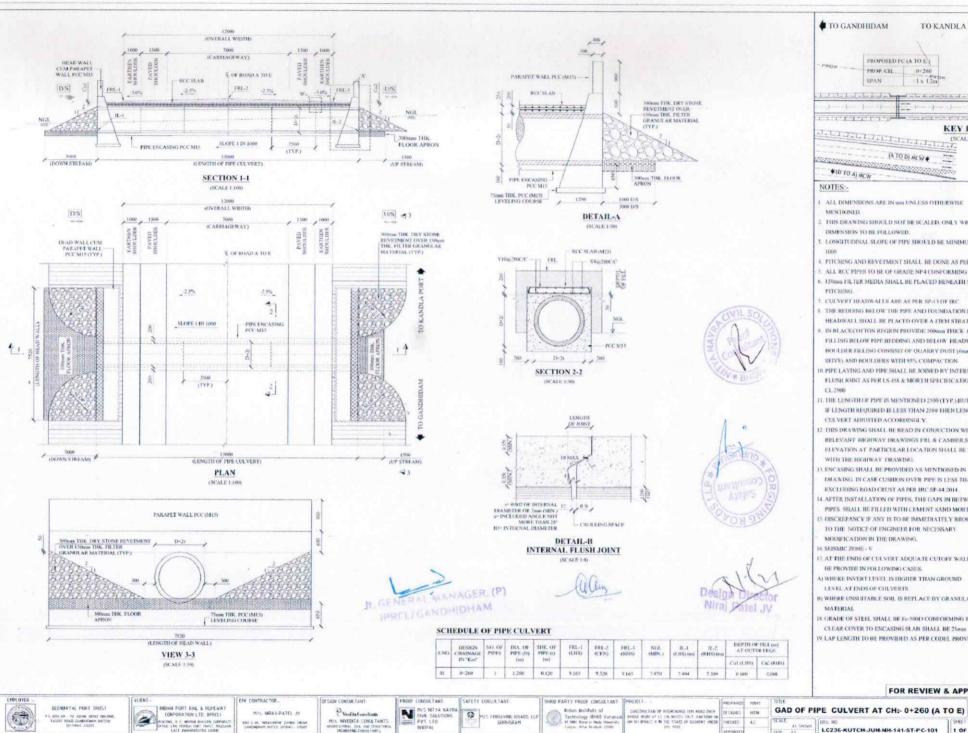
EMPLOYER:

DEENDAYAL PORT TRUST

P.O. BOX NO - 50, ADMIN OFFICE BUILDING TAGGRE ROAD, GANDHIDHAM (KUTCH) THIRD PARTY PROOF CONSULTANT: Indian Institute of Technology



IIT-BHU, Banaras Hindu University Campus, Uttar Pradesh 221005

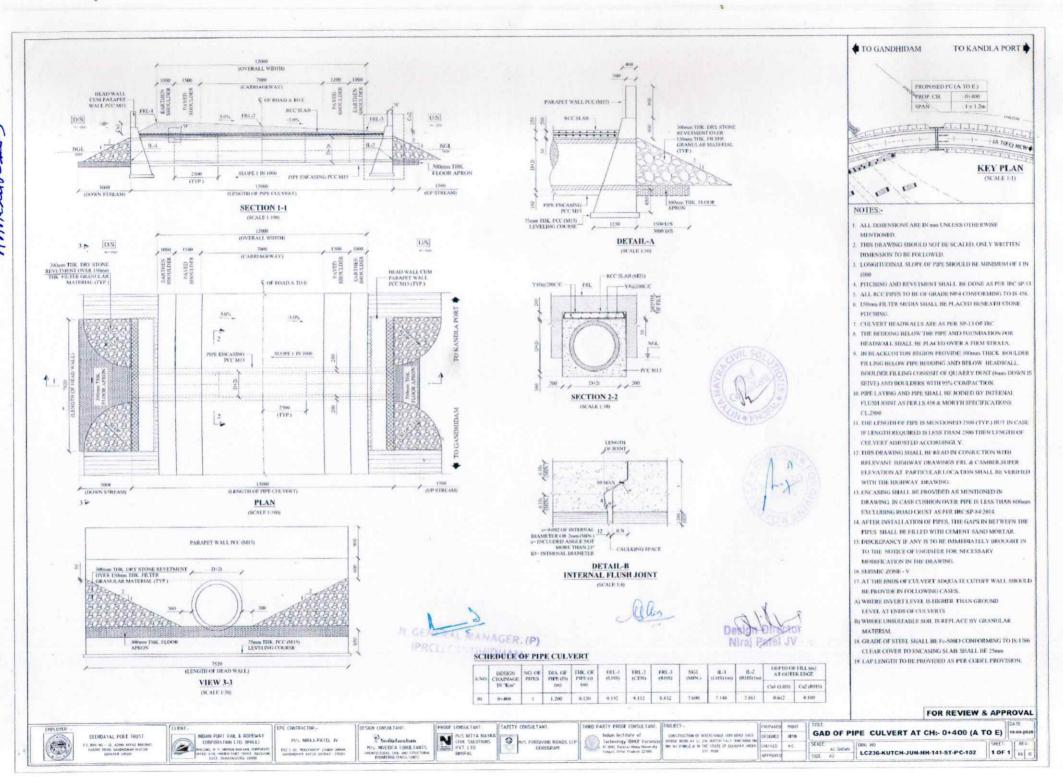


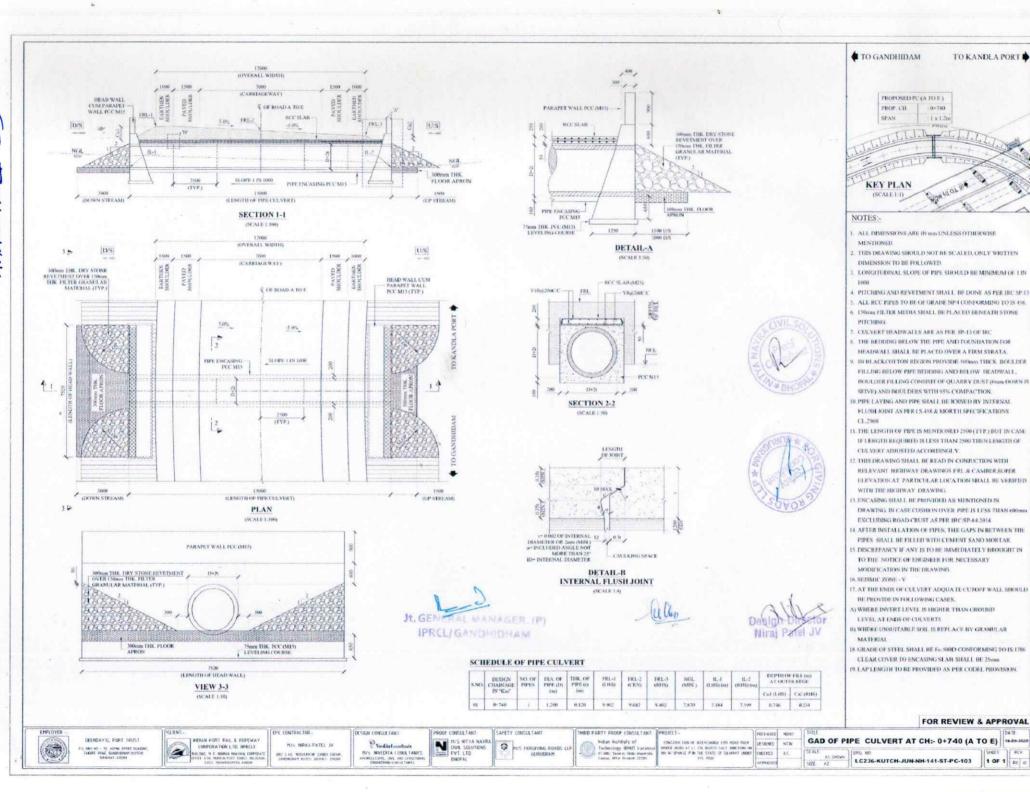
TO GANDHIDAM TO KANDLA PORT 123 PROPOSED BC (A TO E) PROP. CH. 0+260 SPAN 1 x 12m Little Little Little Land at Land at Land representative the second of t KEY PLAN (A TO D) MCW *ID TO AT MCW NOTES: ALL DIMENSIONS ARE IN um UNLESS OTHERWISE MENTHUMED THIS DRAWING SHOULD NOT BE SCALED, ONLY WRITTEN DIMENSION TO BE POLLOWED. 1. LONGITUDINAL SLOPE OF PIPE SHOULD BE MINIMUM OF 1 IN 1. PITCHING AND REVETMENT SHALL BE DONE AS PER IRC SP 13 ALL RCC PIPES TO BE OF GRADE NP4 CONFORMING TO IS 438. 150mm FILTER MEDIA SHALL BE PLACED BENEATH STONE PITCHING CULVERT HEADWALLS ARE AS PER SP-13 OF IRC THE BEDDING BELOW THE PIPE AND FOUNDATION FOR HEADWALL SHALL BE PLACED OVER A FIRM STRATA. IN BLACKCOTTON REGION PROVIDE SOONS THICK BOLD DEP FILLING BELOW PIPE BEDDING AND BELOW HEADWALL. BOULDER FILLING CONSIST OF QUARRY DUST (60m DOWN IS SEIVE) AND BOOLDERS WITH 95% COMPACTION. 6. PIPE LAYING AND PIPE SHALL BE JOINED BY INTERNAL FLUSH JOINT AS PER LS.458 & MORTH SPECIFICATIONS CL 2900 11. THE LENGTH OF PIPE IS MENTIONED 2500 (TYP.) BUT IN CASE IF LENGTH REQUIRED IS LESS THAN 2500 THEN LENGTH OF CULVERT ADJUSTED ACCORDINGLY. 2. THIS DRAWING SHALL BE READ IN CONJUCTION WITH RELEVANT HIGHWAY DRAWINGS FRU & CAMBER SUPER ELEVATION AT PARTICULAR LOCATION SHALL BE VERIFIED WITH THE HIGHWAY DRAWING. 3. ENCASING SHALL BE PROVIDED AS MENTIONED IN DRAWING. IN CASE CUSHION OVER PIPE IS LESS THAN 400mm EXCLUDING ROAD CRUST AS PER IRC SP-84-2014 14. AFTER INSTALLATION OF PIPES, THE GAPS IN BETWEEN THE PIPES SHALL BE FILLED WITH CEMENT SAND MORTAR. 5. DISCREPANCY IF ANY IS TO BE IMMEDIATELY BROUGHT IN TO THE NOTICE OF ENGINEER FOR NECESSARY MODIFICATION IN THE DRAWING. 16 SEISMIC ZONE - V 17. AT THE ENDS OF CULVERT ADOUATE CUTOFF WALL SHOULD BE PROVIDE IN FOLLOWING CASES. A) WHERE INVERTILEVEL IS HIGHER THAN GROUND LEVEL AT ENDS OF CULVERTS BO WHERE UNSUITABLE SOIL IS REPLACE BY GRANDLAR. MATERIAL 18. GRADE OF STEEL SHALL BE Fc-500D CONFORMING FO 18:1786 CLEAR COVER TO ENCASING SLAB SHALL BE 25mm 19. LAP LENGTH TO BE PROVIDED AS PER CODEL PROVISION.

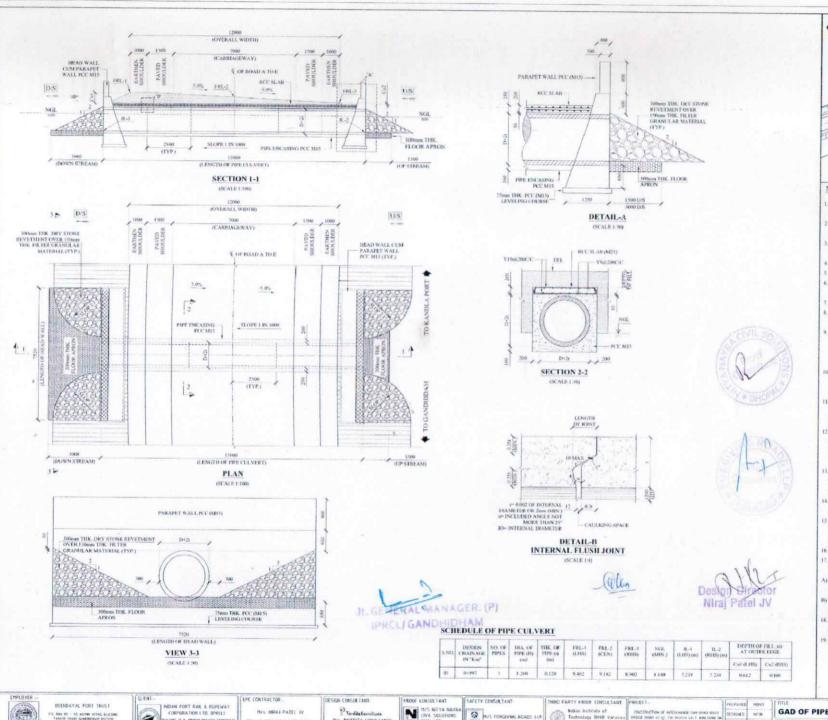
LC236-KUTCH-JUN-NH-141-ST-PC-101

1 OF 1 60 0

FOR REVIEW & APPROVAL







TO GANDHIDAM TO KANDLA PORT PROPOSED PC (A TO E) PROP CIT 0-997 SPAN : 1 x 1.2m KEY PLAN (SCALE 1:1)

NOTES:-

- ALL DIMENSIONS ARE IN min UNLESS OTHERWISE MENTIONED
- . THIS DRAWING SHOULD NOT BE SCALED, ONLY WRITTEN DIMENSION TO BE POLLOWED.
- LONGITUDINAL SLOPE OF PIPE SHOULD BE MINIMUM OF 1 IN
- PITCHING AND REVETMENT SHALL BE DONE AS PER IRC SP.13
- ALL RCC PIPES TO BE OF GRADE NP4 CONFORMING TO IS 458.
- 150mm FILTER MEDIA SHALL BE PLACED BENEATH STONE PETCHING:
- CULVERT HEADWALLS ARE AS PER SP-13 OF IRC
- THE BEDDING BELOW THE PIPE AND FOUNDATION FOR HEADWALL SHALL BE PLACED OVER A FIRM STRATA.
- IN BLACKCOTTON REGION PROVIDE 500mm THICK, BOULDER FILLING BELOW PIPE BEDDING AND BELOW BEADWALL. BOULDER FILLING CONSIST OF QUARRY DUST (from DOWN IS SEIVE) AND BOULDERS WITH 95% COMPACTION.
- 6 PIPE LAYING AND PIPE SHALL BE JOINED BY INTERNAL FLUSH JOINT AS FER LS 458 & MORTH SPECIFICATIONS
- IL THE LENGTH OF PIPE IS MENTIONED 2500 (TYP.) BUT IN CASE IF LENGTH REQUIRED IS LESS THAN 2500 THEN LENGTH OF CULVERT ADJUSTED ACCORDINGLY.
- 2. THIS DRAWING SHALL BE READ IN CONJUCTION WITH RELEVANT HIGHWAY DRAWINGS FRL & CAMBER, SUPER ELEVATION AT PARTICULAR LOCATION SHALL BE VERIFIED WITH THE HIGHWAY DRAWING.
- 1. ENCASING SHALL BE PROVIDED AS MENTIONED IN DRAWING, IN CASE CUSHION OVER PIPE IS LESS THAN 600mm EXCLUDING ROAD CRUST AS PER IRC SP-84-2014.
- AFTER INSTALLATION OF PIPES, THE GAPS IN BETWEEN THE PIPES SHALL BE FILLED WITH CEMENT SAND MORTAR.
- 5. DISCREPANCY IF ANY IS TO BE IMMEDIATELY BROUGHT IN TO THE NOTICE OF ENGINEER FOR NECESSARY MODIFICATION IN THE DRAWING.
- 16 SEISMIC ZONE V
- 17. AT THE ENDS OF CULVERT ADQUATE CUTOFF WALL SHOULD HE PROVIDE IN FOLLOWING CASES:
-) WHERE INVERTILEVEL IS HIGHER THAN GROUND LEVEL AT ENDS OF CULVERTS
- B) WHERE UNSUITABLE SOIL IS REPLACE BY GRANULAR. MATERIAL
- 18. GRADE OF STEEL SHALL BE Fe-500D CONFORMING TO IS: 1786 CLEAR COVER TO ENCASING SLAB SHALL BE 25mm
- 19. LAP LENGTH TO BE PROVIDED AS PER CODEL PROVISION.

FOR REVIEW & APPROVAL



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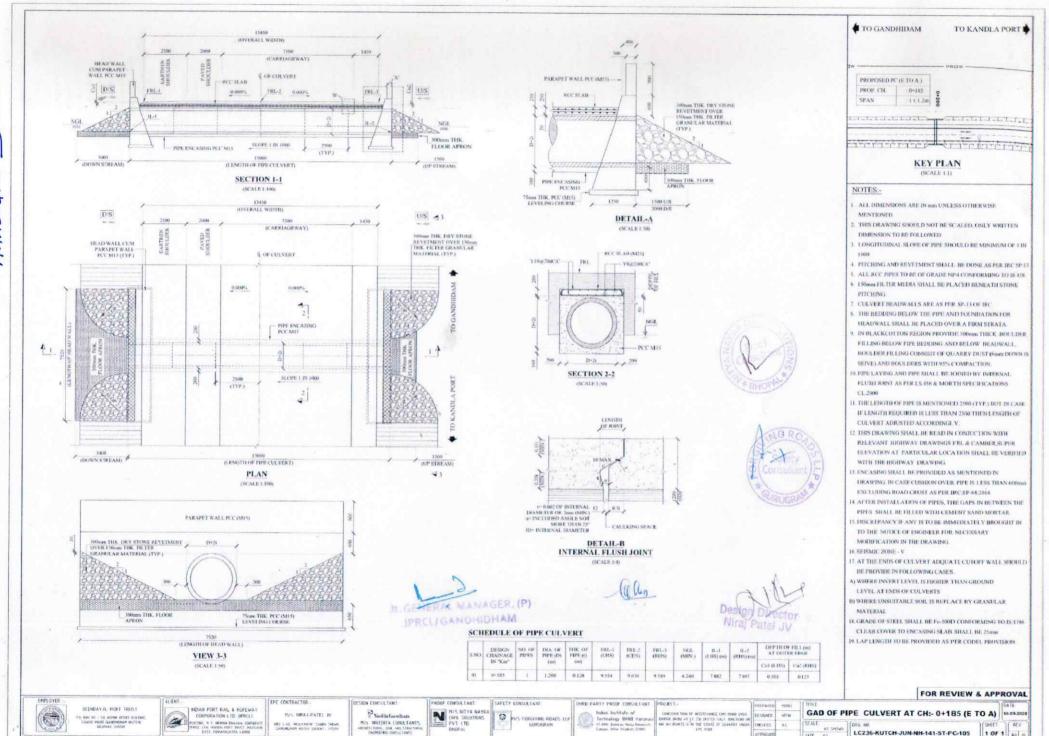


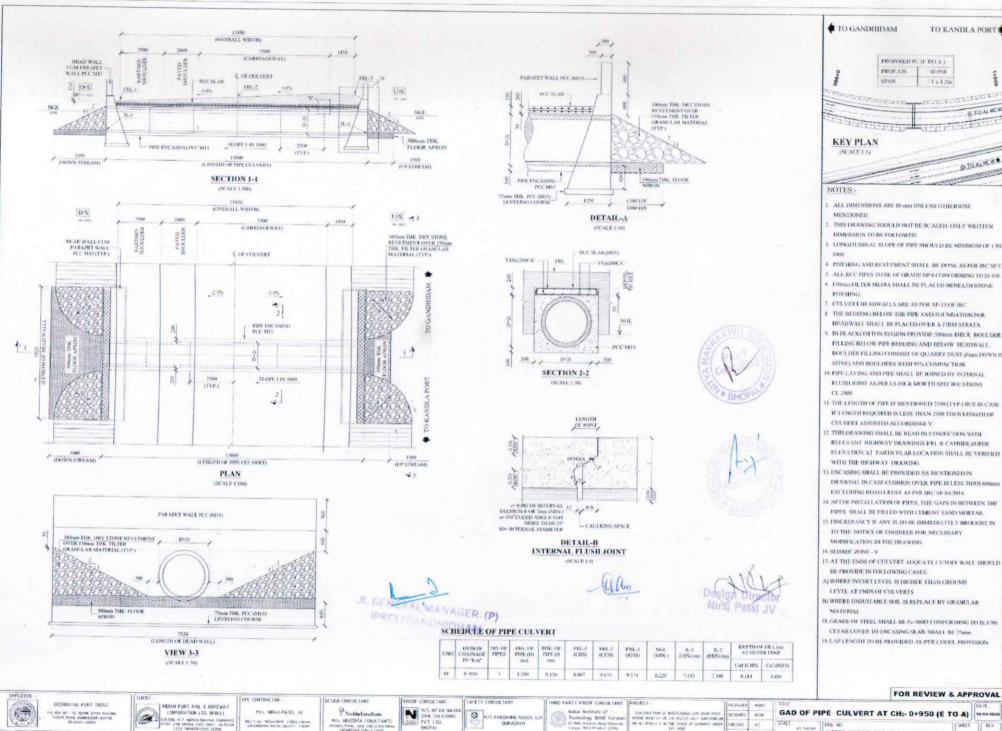
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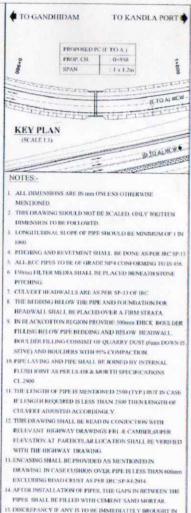
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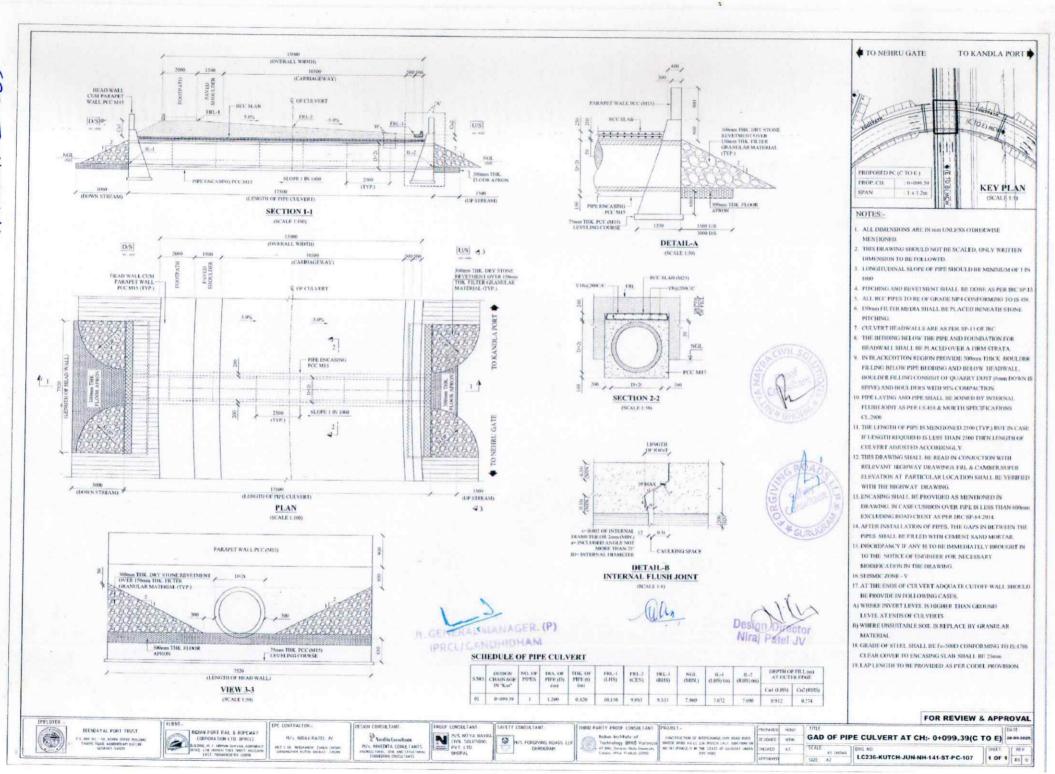


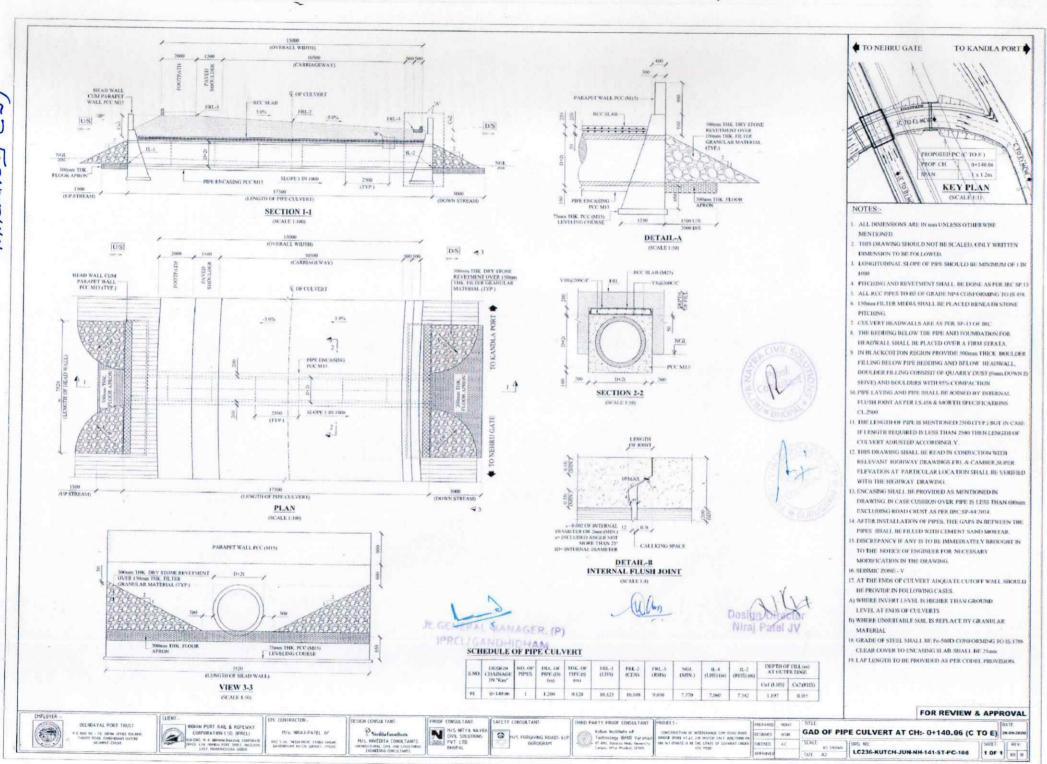


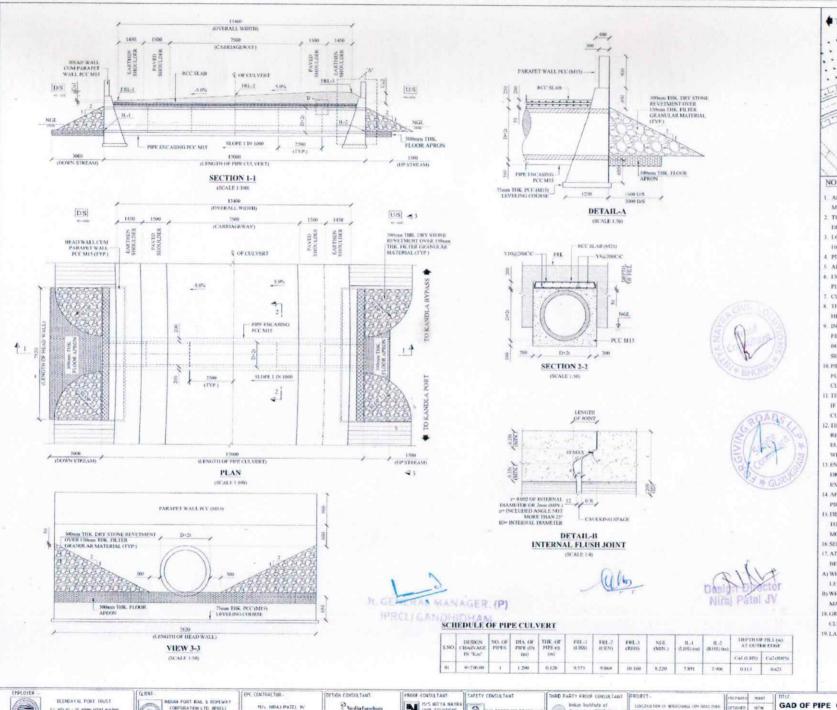
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TO KANDLA PORT TO KANDLA BYPASS PROPOSED PC (D TO B) PROP. CH. SPAN -1 x 1.2m KEY PLAN (SCALE L.I)

NOTES:

- L. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE
- 2. THIS DRAWING SHOULD NOT BE SCALED, ONLY WRITTEN DIMENSION TO BE FOLLOWED.
- LONGITUDINAL SLOPE OF PIPE SHOULD BE MINIMUM OF 1 IN
- 4. PITCHING AND REVERMENT SHALL BE DONE AS PER IRC SP.13
- ALL RCC PIPES TO BE OF GRADE NP4 CONFORMING TO IS 458.
- 6. 150mm FILTER MEDIA SHALL BE PLACED BENEATH STONE
- CULVERT HEADWALLS ARE AS PER SP-13 OF IRC
- 8. THE REDDING RELOW THE PIPE AND FOUNDATION FOR HEADWALL SHALL HE PLACED OVER A FIRM STRATA
- IN BLACKCOTTON REGION PROVIDE 500mm THICK BOLLDER FILLING BELOW PIPE BEDDING AND BELOW HEADWALL, BOULDER FILLING CONSIST OF QUARRY DUST (6mm DOWN IS SEIVE) AND BOULDERS WITH 95% COMPACTION
- 10. PIPE LAYING AND PIPE SHALL BE JOINED BY INTERNAL FLUSH JOINT AS PER LS.458 & MORTH SPECIFICATIONS. C1.2900
- 1. THE LENGTH OF PIPE IS MENTIONED 2500 (TVP.) BUT IN CASE. IF LENGTH REQUIRED IS LESS THAN 2500 THEN LENGTH OF CULVERT ADJUSTED ACCORDINGLY.
- 12. THIS DRAWING SHALL BE READ IN CONJUCTION WITH RELEVANT HIGHWAY DRAWINGS FRU & CAMBER SUPER ELEVATION AT PARTICULAR LOCATION SHALL BE VERIFIED WITH THE HIGHWAY DRAWING.
- LENCASING SHALL BE PROVIDED AS MENTIONED IN DRAWING IN CASE CUSHION OVER PIPE IS LESS THAN 600mm EXCLUDING ROAD CRUST AS PER IRC SP-84:2014.
- 14 AFTER INSTALLATION OF PIPES, THE GAPS IN RETWEEN THE PIPES SHALL BE FILLED WITH CEMENT SAND MORTAR
- 5. DISCREPANCY IF ANY IS TO BE IMMEDIATELY BROUGHT IN TO THE NOTICE OF ENGINEER FOR NECESSARY MODIFICATION IN THE DRAWING
- 16. SEISMIC ZONE V
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- B) WHERE UNSUITABLE SOIL IS REPLACE BY GRANULAR MATERIAL
- 18. GRADE OF STEEL SHALL BE Fe-500D CONFORMING TO 18:4786 CLEAR COVER TO ENCASING SLAB SHALL RE 25mm
- 19. LAP LENGTH TO BE PROVIDED AS PER CODEL PROVISION.

FOR REVIEW & APPROVAL





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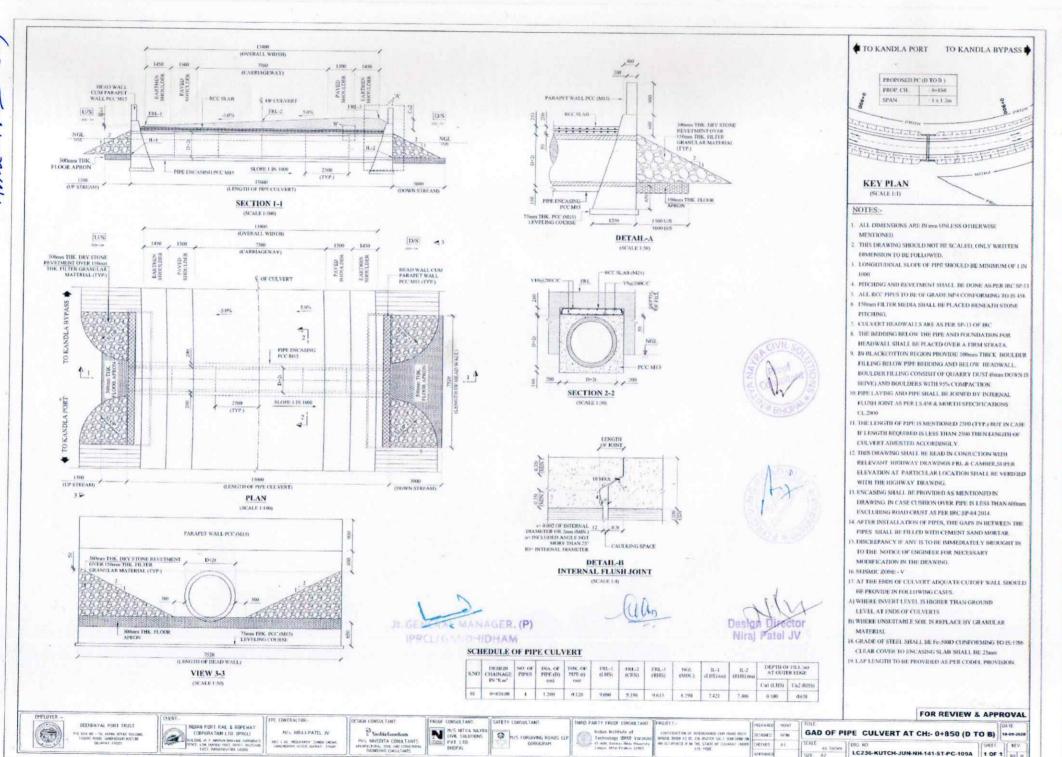
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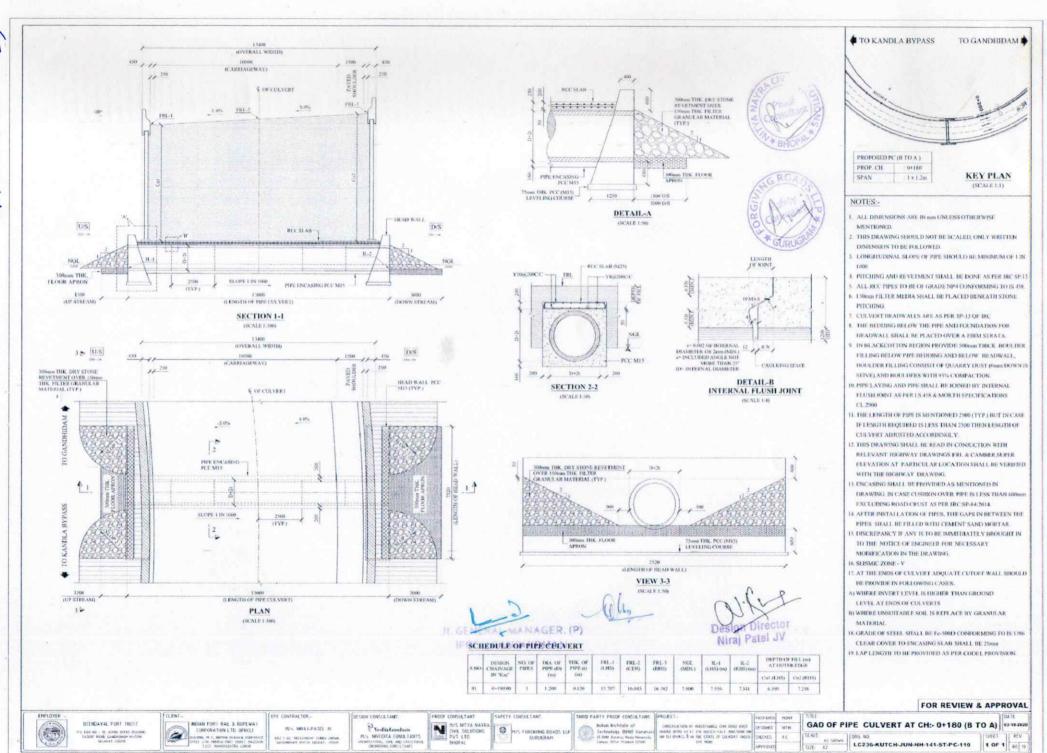
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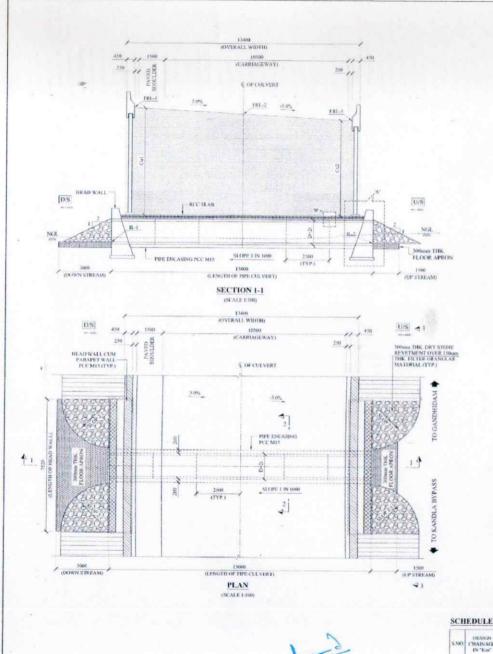
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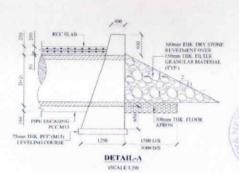
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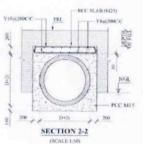
GAD OF PIPE CULVERT AT CH:- 0+230 (D TO B) 18-09-2620

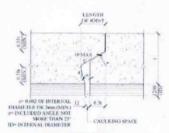












DETAIL-B INTERNAL FLUSH JOINT (SCALE 1:4)

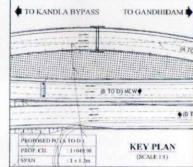






SCHEDULE OF PIPE CULVERT

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		N°Km° (m)	(m)							Cut (LRS)	Cult (RHS)		
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NOTES:-

- . ALL DIMENSIONS ARE IN 1000 UNLESS OTHERWISE MENTIONED
- THIS DRAWING SHOULD NOT BE SCALED, ONLY WRITTEN DIMENSION TO BE POLLOWED.
- 3. LONGITUDINAL SLOPE OF PIPE SHOULD BE MINBALIM OF 1 IN
- 4. PITCHING AND REVETMENT SHALL BE DONE AS PER IRC SP.13
- 5. ALL RCC PIPES TO BE OF GRADE NP4 CONFORMING TO IS 458.
- 6. 150mm FILTER MEDIA SHALL BE PLACED BENEATH STONE PITCHING.
- CULVERT HEADWALLS ARE AS PER SP-13 OF IRC
- THE BEDDING BELOW THE PIPE AND FOUNDATION FOR HEADWALL SHALL BE PLACED OVER A FIRM STRATA
- IN BLACKCOTTON REGION PROVIDE SOmm THICK BOULDER FILLING BELOW PIPE BEDDING AND BELOW HEADWALL. BOULDER FILLING CONSIST OF QUARRY DUST (6mm DOWN IS SEIVE) AND BOULDERS WITH 95% COMPACTION.
- 9. PIPE LAYING AND PIPE SHALL BE JOINED BY INTERNAL FLUSH JOINT AS PER LS.458 & MORTH SPECIFICATIONS CL 2900
- 11. THE LENGTH OF PIPE IS MENTIONED 2500 (TYP.) BUT IN CASE IF LENGTH REQUIRED IS LESS THAN 2500 THEN LENGTH OF CULVERT ADJUSTED ACCORDINGLY.
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- CLEAR COVER TO ENCASING SLAB SHALL BE 25mm 19.1 APLENGTH TO BE PROVIDED AS PER CODEL PROVISION.

FOR REVIEW & APPROVAL



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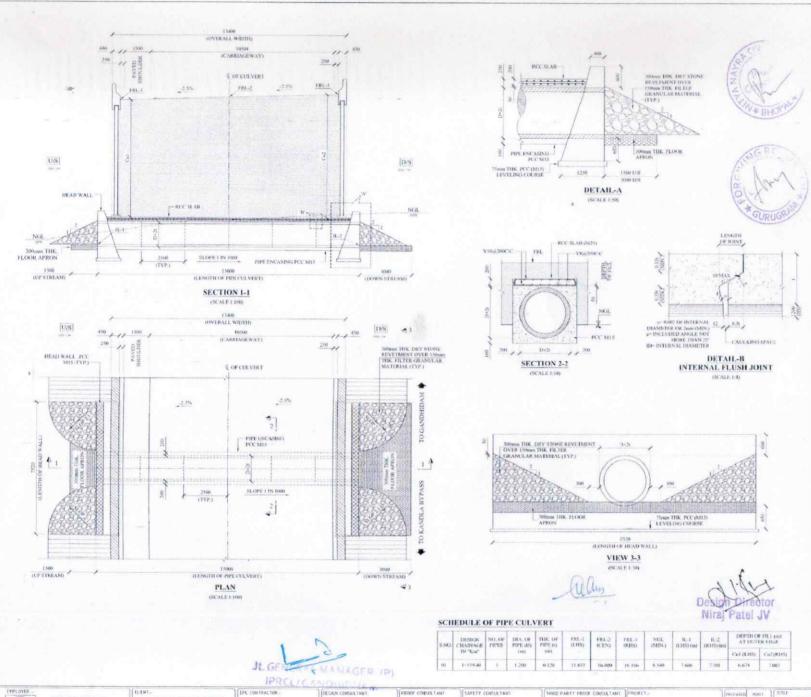
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GAD OF PIPE CULVERT AT CH:- 1+049.98 (A TO D) 18-09-2020 NETH SCAL

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TO KANDLA BYPASS TO GANDHIDAM PROPOSED PC (E TO B) PROP. CH. 1+579.40 SPAN :1 x 1.2m (E TO B) MCW KEY PLAN (SCALE L1) NOTES:-ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE MENTIONED THIS DRAWING SHOELD NOT BE SCALED ONLY WRITTEN DIMENSION TO BE POLLOWED. LONGITUDINAL SLOPE OF PIPE SHOULD BE MINIMEM OF LIN PITCHING AND REVETMENT SHALL BE DONE AS FER IRC SP-13 S. ALL RCC PIPES TO BE OF GRADE NP4 CONFORMING TO IS 458. 150mm FILTER MEDIA SHALL BE PLACED BENEATH STONE PITCHING CULVERT HEADWALLS ARE AS PER SPUTOF INC. THE BEDDING BELOW THE PIPE AND FOUNDATION FOR HEADWALL SHALL BE PLACED OVER A FIRM STRATA. IN BU ACKCOTTON REGION PROVIDE SHOWN THICK BODD DER FILLING BELOW PIPE BEDDING AND BELOW HEADWALL, BOULDER FILLING CONSIST OF QUARRY DUST (emm DOWN IS SEIVE) AND BOULDERS WITH 95% COMPACTION. 6 PIPE LAYING AND PIPE SHALL BE JOINED BY INTERNAL FLUSH JOINT AS PER LS.458 & MORTH SPECIFICATIONS 11. THE LENGTH OF PIPE IS MENTIONED 2500 (TYP) BUT IN CASE DELENGTH RECHIRED IS LESS THAN 2500 THEN LENGTH OF CULVERT ADJUSTED ACCORDINGLY. 12. THIS DRAWING SHALL BE READ IN CONJUCTION WITH RELEVANT HIGHWAY DRAWINGS FRL & CAMBER SUPER ELEVATION AT PARTICULAR LOCATION SHALL BE VURBEED WITH THE HIGHWAY DRAWING. 3. ENCASING SHALL BE PROVIDED AS MENTIONED IN DRAWING, IN CASE CUSHION OVER PIPE IS LESS THAN 600mm EXCLUDING ROAD CRUST AS PER IRC SP-84-2014. 14. AFTER INSTALLATION OF PIPES, THE GAPS IN BETWEEN THE PIPES. SHALL BE FILLED WITH CEMENT SAND MORTAR. 5 DISCREPANCY IF ANY IS TO BE IMMEDIATELY BROUGHT IN TO THE NOTICE OF ENGINEER FOR NECESSARY MODIFICATION IN THE DRAWING. 6 SEISMIC ZONE - V 17. AT THE ENDS OF CULVERT ADQUATE CUTOFF WALL SHOULD. BE PROVIDE IN FOLLOWING CASES. A) WHERE INVERTILEVEL IS HIGHER THAN GROUND LEVEL AT ENDS OF CULVERTS BY WHERE UNSUITABLE SOIL IS REPLACE BY GRANDLAR MATERIAL 18, GRADE OF STEEL SHALL BE Fe-500D CONFORMING TO IS 1786 CLEAR COVER TO ENCASING SLAB SHALL BE 25mm 19. LAP LENGTH TO BE PROVIDED AS PER CODEL PROVISION.

FOR REVIEW & APPROVAL



DEENDAYAL FORT TRUST

I INDIAN PORT RAIL & HOPEWAY CORPORATION LTD. (IPROL)

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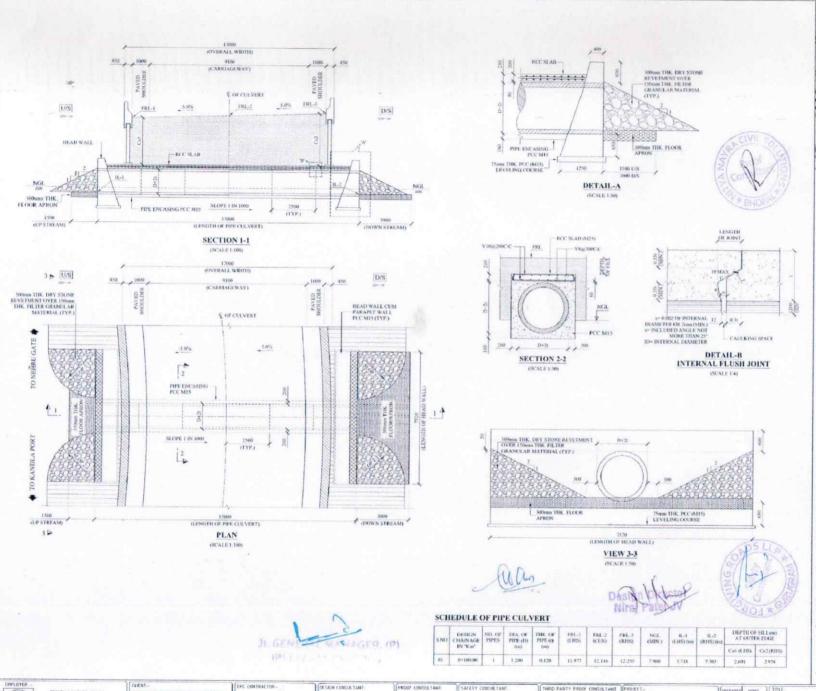
GAD OF PIPE CULVERT AT CH:- 1+579.4 (E TO B) 03-10-2020 LC236-KUTCH-JUN-NH-141-ST-PC-112

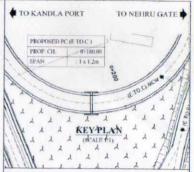
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NOTES:

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- 19. LAP LENGTH TO BE PROVIDED AS PER CODEL PROVISION.

FOR REVIEW & APPROVAL



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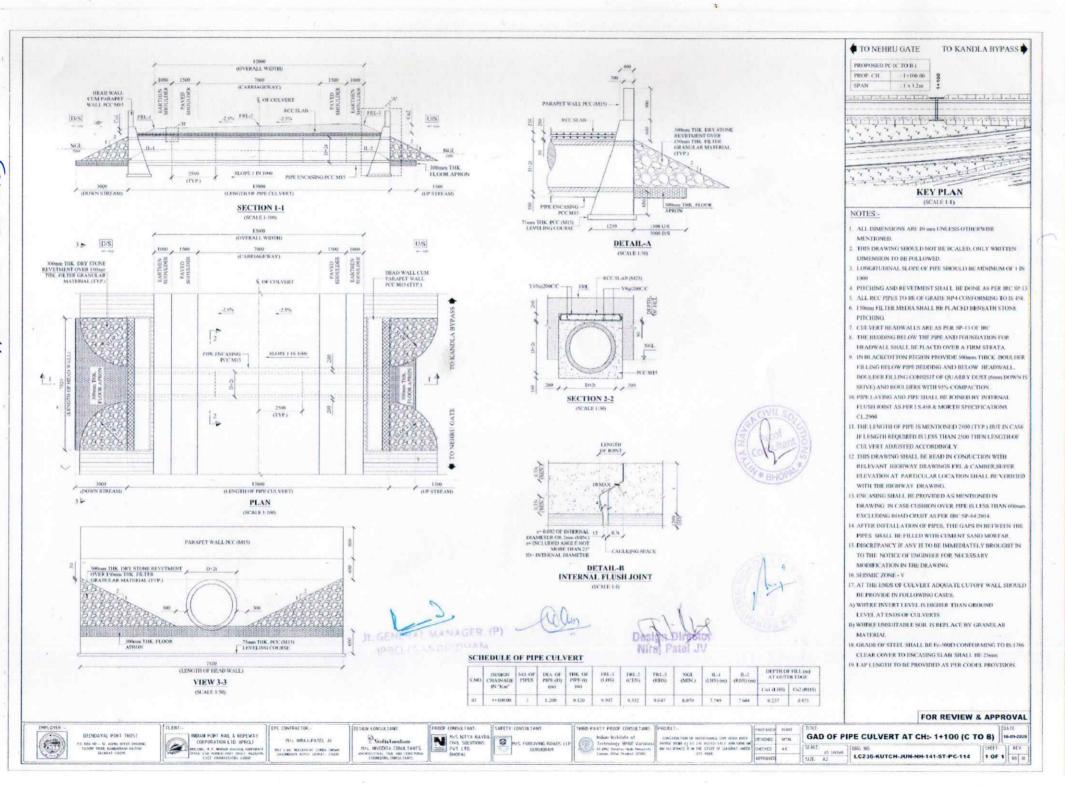
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GAD OF PIPE CULVERT AT CH:- 0+180 (E TO C) 18.09-2020 SCALE DRG. NO. LC236-KUTCH-JUN-NH-141-ST-PC-113

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Annexure VII (In 6 Pages)



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector-10-A, Gandhinagar 382 010

Phone: (079) 23222425

(079) 23232152

Fax: (079) 23232156

Website: www.gpcb.gov.in

By R.P.A.D.

In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of the Air (Prevention and Control of Pollution)-1981 and Authorization under rule 6(2) of the Hazardous & Other Waste (Management & Transboundary Movement) Rules-2016, framed under the Environmental (Protection) Act-1986.

And whereas Board has received application inward No.118092 dated 23/03/2017 for the Consolidated Consent and Authorization (CC&A) of the Board under the provisions / rules of the aforesaid Acts. Consents & Authorization are hereby granted as under:

CONSENTS AND AUTHORISATION:

(Under the provisions /rules of the aforesaid environmental acts)

M/s Patel Construction Co, Plot No:- S.No:- 932,

Tal:- Anjar,

Dist: Kutch-370 410.

- 1. Consent Order No. AWH- 85951 Date of Issue: 11/05/2017
- 2. The consent shall be valid up to 22/03/2022 for manufacturing of the following product:

Sr. No.	PRODUCT	QUANTITY MT/ MONTH
1.	Road Paving Material (Hot mix plant)	2500 MT/Month

3. SUBJECT TO THE FOLLOWING SPECIFIC CONDITIONS:

- 3.1 No ground water shall be withdrawal without obtaining prior permission from competent authority.
- 4. CONDITIONS UNDER WATER ACT 1974:
- 4.1 Industrial effluent generation from manufacturing process and other ancillary operations shall be Nil, as generated waste water shall be recycled & there shall not be waste water discharge.
- 4.2 The quantity of the Sewage effluent from the factory shall not exceed 0.5 KL/day.

4.3 The quality of the sewage shall conform to the following standards:

PARAMETER	PERMISSIBLE LIMIT	
BOD (3 days at 27° C)	20 mg/L	
Suspended Solid	30 mg/L	
Residual Chlorine	Minimum 0.5 mg/L	

Annexuse VII (2)

- 4.4 Unit shall provide sprinkling system to mitigate dusting and also provide pacca road in premises to prevent dusting.
- 4.5 Sewage shall be disposed off through septic tank / soak pit system.

5. CONDITIONS UNDER AIR ACT 1981:

5.1 The following shall be used as fuel in D.G. Set.

Sr.No.	Fuel	Quantity
1.	LDO	45 ltr/hr

5.2 The flue gas emission through various stack / Vent of DG sets / Boiler / Furnace Heater shall conform the following standards

Sr. no.	Stack attached to	Stack height in Meters	APCM	Parameter	Permissible limit
1.	D. G. Set-500 KVA (stand by)	11		PM SO₂ NOx	150 mg/Nm ³ 100 ppm 50 ppm

5.3 The process gas emission from the manufacturing process as well as other ancillary operations shall be as following:-

	Stack attached to	Stack height in meters	Air Pollution Control System	Parameter	Permissible limit
1.	Dryer 🕻	11	Dust collector & circulation scrubber	SO ₂	150 mg/NM ³ 100 ppm -50 ppm

5.4 The concentration of the following parameters in the ambient air within the premises of the industry shall not exceed the limits specified hereunder as per National Ambient Air Quality Standards issued by MOEF & CC dated 16th November-2009.

Sr. No.	Pollutant	Time Weighted Average	Concentration in Ambient air in µg/M³
1.	Sulphur Dioxide (SO ₂)	Annual	50
1.	Sulphul Bloxide (302)	24 Hours	80
2.	Nitrogen Dioxide (NO ₂)	Annual	40
۷.	Nitrogen Dioxide (NO ₂)	24 Hours	80
3.	Particulate Matter	Annual	60
٥.	(Size less than 10 µm) OR PM ₁₀	24 Hours	100
1	Particulate Matter	Annual	40
4.	(Size less than 2.5 µm) OR PM 2.5	24 Hours	60



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector-10-A, Gandhinagar 382 010

Phone: (079) 23222425

(079) 23232152

Fax: (079) 23232156

Website: www.apcb.gov.in

- 5.5 The applicant shall provide portholes, ladder, platform etc at chimney(s) for monitoring the air emissions and the same shall be open for inspection. The chimney(s) vents attached to various sources of emission shall be designed by numbers such as S-1, S-2, etc. and these shall be painted / displayed to facilitate identification.
- 5.6 The concentration of Noise in ambient air within the premises of industrial unit shall not exceed following levels:

Between 6 A.M. to 10 P.M.: 75 dB (A) Between 10 P.M. to 6 A.M.: 70 dB (A)

- Hazardous and Authorization under (Management, other waste Transboundary Movement] Rules, 2016 & amended.
- 6.1 Authorization Number: AWH 85951 and shall valid up to 22/03/2022.
- 6.2 M/s Patel Construction Co, is hereby granted an authorization to operate facility for following hazardous wastes on the premises situated at, Plct No:- S.No:- 932, Tal:- Anjar, Dist: Kutch-370 410.

Sr. No.	Waste	Quantity per Annum	Category	Mode of Disposal
1.	Used Oil	0.2 T	5.1	Collection, storage, Transportation, Disposal by selling out to registered recyclers/re-processer

- 6.3 The 4.authorization is granted to operate a facility for collection, storage, within factory premises, transportation, and ultimate disposal of Hazardous wastes at TSDF.
- 6.4 The authorization is subject to the conditions stated below and such other conditions as may be specified in the rules from time to time under the Environment (Protection) Act-1986.

6.5 GENERAL CONDITIONS OF AUTHORIZATION:

- 1. The authorized person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
- 2. The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the State Pollution Control Board.
- 3. The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.

- Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.
- 5. Hazardous Waste generated shall be disposed off in accordance with the Hazardous Waste & other waste(Management & Transboundary Movement) Rules, 2016 as amended and unit shall have to obtain authorization of the Board for all applicable categories of Hazardous wastes.
 - (a) Used oil / spent oil shall be disposed off by selling it to registered rerefiner units only.
 - (b) Oily sludge from separators shall be dispose or of selling it to registered re-refiners unit only.
 - (c) ETP sludge shall be disposed of at TSDF approved by the Board.
 - (d) Used batteries shall be sold to the GPCB authorized dealers.
- 6. The person authorized shall implement Emergency Response Procedure (ERP) for which this authorization is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time:
- 7. It is the duty of the authorized person to take prior permission of the State Pollution Control Board to close down the facility.
- 8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- 9. The record of consumption of hazardous and other wastes shall be maintained.
- 10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.
- 11. An application for the renewal of an authorization shall be made as laid down under these Rules.
- 12. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
- 13. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.

7. GENERAL CONDITIONS

7.1 Any change in personnel, equipment or working conditions as mentioned in the consents form/order should immediately be intimated to this Board.



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector-10-A, Gandhinagar 382 010

Phone: (079) 23222425

(079) 23232152

.Fax: (079) 23232156

Website: www.gpcb.gov.in

- 7.2 The waste generator shall be totally responsible for (i.e. Collection, storage, transportation and ultimate disposal) of the wastes generated.
- 7.3 Records of waste generation, its management and annual return shall be submitted to Gujarat Pollution Control Board in Form - 4 by 31st January of every year.
- 7.4 In case of any accident, details of the same shall be submitted in Form 5 to Gujarat Pollution Control Board.
- 7.5 Applicant shall comply relevant provision of "Public Liability Insurance Act 91".
- 7.6 Empty drums and containers of toxic and hazards material shall be treated as per guideline published for "management & handling of discarded containers". Records of the same shall be maintained and forwarded to Gujarat Pollution Control Board regularly.
- 7.7 In no case any kind of hazardous waste shall be imported without prior approval of appropriate authority.
- 7.8 Adequate plantation shall be carried out all along the periphery of the industrial premises in such a way that the density of plantation is at least 1000 trees per acre of land and a green belt of 10 meters width is developed.
- 7.9 The applicant shall however, not without the prior consent of the Board bring into use any new or altered outlet for the discharge of effluent or gaseous emission or sewage waste from the proposed industrial plant. The applicant is required to make applications to this Board for this purpose in the prescribed forms under the provisions of the Water Act-1974, the Air Act-1981 and the Environment (Protection) Act, 1986.
- 7.10The over all noise level in and around the plant area shall be kept well within the standards by providing noise control measures including engineering control like acoustic insulation hoods, silencers, enclosures etc on all sources of noise generation. The ambient noise level shall conform to the standards prescribed under the Environment (Protection) Act, 1986 & Rules.
- 7.11 The concentration of Noise in ambient air within the premises of industrial unit shall not exceed following blevels: ... Between 6 A.M. and 10 P.M.: 75 dB (A)

Between 10 P.M. and 6 A.M.: 70 dB (A)

7.12In case of transport of hazardous waste to a facility for (i.e. Treatment, Storage and disposal) existing in a state other than the state where hazardous waste are generated, the occupier shall obtain "No Objection certificate" from the state pollution Control Board, the Committee of the concerned state or Union territory Administration where the facility exists.

- 7.13 Unit shall take all concrete measures to show tangible results in waste generation reduction, voidance, reuse and recycle. Action taken in this regards shall be submitted within 03 months and also along with Form 4.
- 7.14 You shall have to display the relevant information with regard to hazardous waste as indicated in the Hon. Supreme Court's order in W.P. No.657 of 1995 dated 14th October 2003.
- 7.15 Industry shall have to display on-line data outside the main factory gate with regard to quantity and nature of hazardous chemicals being handled in the plant, including wastewater and air emissions and solid hazardous waste generated within the factory premises.

For and on behalf of GUJARAT POLLUTION CONTROL BOARD

(Sushil Vegda)

Senior Environment Engineer

NO: PC/ CCA- KUTCH- 1273/GPCB ID: 46211/ 415000 Date: 156/17

ISSUED TO:

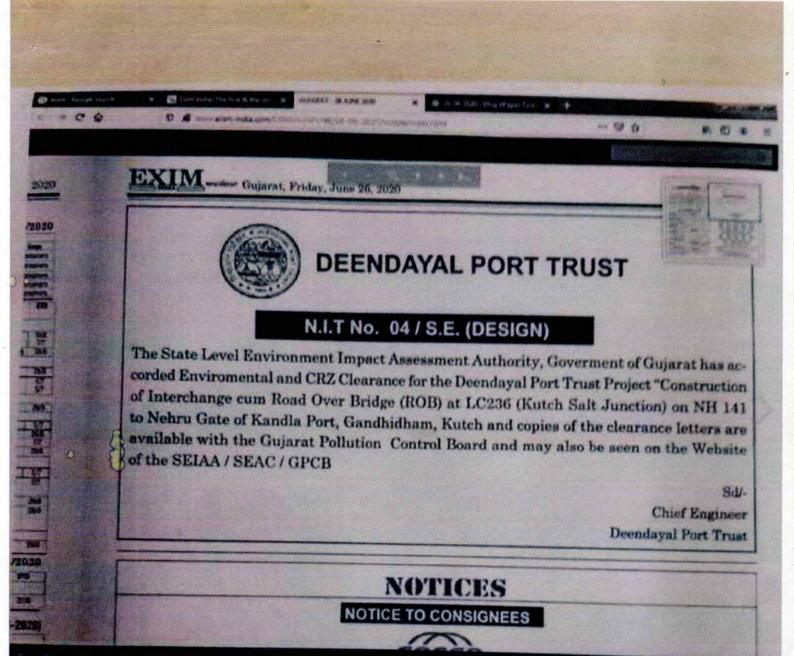
M/s Patel Construction Co,

Plot No:- S.No:- 932,,

Tal:- Anjar,

Dist: Kutch-370 410.

Annexure VIII (In 2 Pages)



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ભુજ

કે અન્ય વાહનમાં મુસાફરી કરતા પ્રવાસીઓ માસ્ક, સેનિટાઈઝરનો ઉપયોગ ન કરતા હોવા છતાં આસાનીથી મુસાફરી કરે છે. કચ્છમાં ફરી કોરોનાનો ડંખ તિક્ષણ બન્યો છે. ત્યારે જો તકેદારી નહીં રાખવામાં આવે તો સ્થિતિ બેકાબુ બનતા વાર નહીં લાગે.

કે, લોકડાઉન-૪થી એસટી વિભાગ દ્વારા પ્રાયોગીક ધોરક્ષે ડેપો ટ ડેપોના રૂટ શરૂ કરવામાં આવ્યા હતા અને હવે જિલ્લામાં ૧૭ પીકઅપ સ્ટેન્ડ પણ બનાવામાં આવ્યા છે. જયાં પ્રવાસીઓ બસમાં ચડી શકે છે. તો હવે કચ્છમાં જનજીવન સામાન્ય બની રહ્યું છે. ત્યારે કચ્છમાં એસટીની સેવા રાખેતા મુજબ શરૂ કરવાની

शह

માંગ ઉઠી पश आग સેવા શરૂ મામ્ય જવા માટે ન હોવાથ હજ શહે: %ना अन વિસ્તારમ આવી ત આશ લગ એસટી બ श3 કरवा સરકાર હ તે અંગે આવી ન જ સરકાર આવશે. આપવામ મીટ મંડા

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द्दीनह्यास पोर्ट

ગુજરાત સરકારના સ્ટેટ લેવલ એનવાયરમેન્ટ ઇમ્પેકટ એસેસમેન્ટ ઓથોરીટી દ્વારા દીનદયાલ પોર્ટ ટ્રસ્ટની પરિચોજના "કન્સ્ટ્રકશન ઓફ ઇંટરચેંજ કમ રોક ઓવરબ્રિજ (આર.ઓ.બી.) એટ એલસી-૨૩૬ (કચ્છ સોલ્ટ જંકશન) ઓન એન.એચ. ૧૪૧ ટુ નેદરૂ ગેટ ઓફ કંડલા પોર્ટ ગાંઘીઘામ, કરછને પર્યાવરણ સી.આર.ઝેડની મંજૂરી આપવામાં આવેલ છે. આ મંજૂરી સંદર્ભેના પત્રોની નકલો રાજ્ય પોલ્યુશન કંટ્રોલ બોર્ડ પાસેથી મળી શકશે. તેમજ એસ.ઇ.આઇ.એ.એ./એસ.ઇ.એસી./ જી.પી.સી.બી.ની વેબસાઇટ પર જોઇ શકાશે.

> मुज्य धक्रनेर દીનદયાલ પોર્ટ ટ્રસ્ટ

4 8.

વારો

રોયલ પ્લોટ્સ એલ.એલ.પી.

Progress Report March - 2024

Monthly Project Status Report

(To be submitted for each PPP and non-PPP projects by 10th of every month for the project's progress of previous menth) Construction of Interchange cum Road Over Bridge (ROB) at LC-236 (Kutch Salt Junction) on NH-141 in the Port Name **Project Name** State of Gujarat under EPC mode. September' 2024 Rs.284.00 Cr. Period of this report Project Cost (Port's Scope) 3 EPC Mode N.A. Project Cost (by PPP/Captive) Project Mode 4 M/s Niraj-Patel IV, Concessionaire/FPC Gandhidham, Kutch, Gujarat ha: been appointed by M/s IPRCL. i) Project approved by the SFC on 24.04.2017 (SFC Meeting held on 16.01.2017). ii)Ministry vide OM dtd: 26.6.2018 directed to DPT to transfer the project to IPRCL, accordingly Board of Deendayal Port vide R. No. 64, dtd: 07/08/2018 has transferred the project to IPRCL, Mumbai IPRCL on Ministry's Approval direct cost-plus basis. Shri Srinivas Rao, Dy Chief Engineer, Deendayal Port Authority. Port's Nodal officer for project NA Completion Date of RFQ N.A. 24.07.2019 Start Date of RFQ 8 Completion Date of RFP 02.11.2018 23.03.2020 Start Date of RFP Date of Signing of Concession 25.02.2020 01.10.2020 LOI Date/LOA Date 10 Start Date of Construction 23.03.2020. Award Date of Concession/EPC 32 Months 11 Implementation time (as per DPR) 29.05.2023 17 Target COD date NA Financial Progress N.A. **Physical Progress** (Port's Scope) (Port's Scope) **Cumulative Project Progress** 98% 13 Financial Progress 100% Physical Progress achieved till date (PPP/captive/EPC's Scope) (PPP/captive/EPC's Scope) N.A. Shortfall in Financial N.A Shortfall in Physical Progress NA Progress (Port's Scope) (Port's Scope) N.A. NA Delay in Overall Project, if any Shortfall in Financial N.A. Shortfall in Physical Progress (Provide updated Annexure-A and Progress (PPP/captive/EPC's N.A. (PPP/captive/EPC's Scope) N.A. Annexure-B with this report) Scope) NA **Financial Progress** N.A. **Physical Progress** (Port's Scope) Project Progress achieved in (Port's Scope) **Financial Progress** Physical Progress Last Month (PPP/captive/EPC's Scope) (PPP/captive/EPC's Scope) Nil Nil 2 3 Main Accomplishments in the 4 Nil Last Month (Port's Scope) NII 5 Construction of ROB at LC-236 has been Main Accomplishments in the Completed and Maintenance work is in Progress. 17 Last Month (PPP/captive/EPC's Scope) Scope Change, if any 18 NA Schedule Change, if any NA Cost Change, if any N.A. Issues/impediments, if any N.A. Issue pending, with any central 22 N.A. Govt ministry, causing delay Number of Safe Man-hours N.A 23 Safety Performance Near Misses N.A. Lost Time Incidents ΝΔ First Aid Cases N.A. Number of Fatalities N.A. Direct Employment (Port's N.A. Direct Employment (Port's N.A. **Employment Details** Scope) Direct Employment N.A. Direct Employment N.A. (PPP/captive/EPC's Scope) (PPP/captive/EPC's Scope)

> Page 1 of 4 5.10.2024

Addi. GENERAL MANAGER. (P) IPRCL/GANDHIDHAM

This Report Prepared by	Shri Srinivas Rao, Dy Chief Engineer, Deendayal Port Authority.	
	2 Chief Engineer, knhdivision@amaill.com	
This Report Reviewed by	Shri Srinivas Rao Dy Chiej Engineer, Republishing	

(S. Revanasiddappa)

Addl. General Manager(P)

IPRCL/Gandhidham.

Addi. GENERAL MANAGER. (P)

IPRCL/GANDHIDHAM

Note; Annexure-A and Annexure-B shall be provided along with this report

Project Milestones (Port's Scope)

(All milestones to be planned and indicated below from Ministry's approval date to COD of project)

	Milestone Description	Target/Planned completion date	Actual Completion Date	Reason for Delay, if any	
Month		A	В	С	
October 2020 to March 2021	Project Milestone I (10%)	31.03.2021	31.01.2021	N.A.	
April 2021 to September 2021	Project Milestone II (20%)	30.09.2021	28.02.2021	N.A.	
October 2021 to March 2022	Project Milestone III (45%)	31.03.2022	31.03.2022	N.A.	
April 2022 to September 2022	Project Milestone IV (70%)	30.09.2022 (Extension granted upto 31.01.2023)	31.01.2023	N.A.	
October 2022 to March 2023	Project Milestone V (100%)	31.03.2023 (Extension granted upto 29.05.2023)	29.05.2023	Maintenance work is in Progress.	

Notes:

- 1. Column 'A' above should be filled only once based on original project schedule
- 2. Only Column 'B' to be updated on monthly basis for respective row
- 3. Detailed reasoning to be provided in column 'Ç'

3.10.2024

Addi. GENERAL MANAGER. (P)
IPRCL/GANDHIDHAM

Project Milestones (PPP/Captive/EPC's Scope)

(All milestones to be planned and indicated below from the Ministry's approval date to COD of project)

	Milestone Description	Target/Planned completion date	Actual Completion Date	Reason for Delay, If any
Month		A	В	С
	Project Milestone I (10%)	31.03.2021	31.01.2021	N.A.
October 2020 to March 2021				
April 2021 to September 2021	Project Milestone II (20%)	30.09.2021	28.02.2021	N.A.
October 2021 to March 2022	Project Milestone III (45%)	31.03.2022	31.03.2022	N.A.
April 2022 to September 2022	Project Milestone IV (70%)	30.09.2022 (Extension granted upto 31.01.2023)	31.01.2023	N.A.
October 2022 to March 2023	Project Milestone V (100%)	31.03.2023 (Extension granted upto 29.05.2023)	29.05.2023	Maintenance work is in Progress.

Notes:

1. Column 'A' above should be filled only once based on original project schedule

2. Only Column 'B' to be updated on monthly basis for respective row

3. Detailed reasoning to be provided in column 'Ç'

Addi. GENERAL MANAGER. (P) IPRCL/GANDHIDHAM

Annexure -2

Monitoring the implemental Safe guards Ministry of Environment & Forests

Regional office (WZ), Bhopal. Monitoring Report (Period up to September, 2024) DATA SHEET

Sr.	Particulars	Reply
No.		
1.	Project type: River valley/	Infrastructure and Miscellaneous Projects + CRZ
	Mining/Industry/	
	thermal/nuclear/Other (specify)	
2.	Name of the project	Construction of Interchange cum Road over
		Bridge (ROB) at LC-236 (Kutch Salt Junction) On
		NH-141 in the State of Gujarat under EPC Mode
3.	Clearance Letter (s). OM no and date	SEIAA/GUJ/EC&CRZ/8(b)/728/2020 dated
		19/06/2020
4.	Location	
	a) District (s)	a) Kutch
	12.60 ()	
	b) State (s)	b) Gujarat
	c) Location/latitude/longitude	c) Longitude70°13"Eand Latitude 23°01N
5.	c) Location/latitude/longitude	c) Longitude70°13″Eand Latitude 23°01N
٥.	Address for Correspondence a) address of Concerned Project Chief	a) Chief Engineer, Deendayal Port Authority,
	Engineer (with pin code &	Administrative Office Building Annexe
	telephone/telex/fax numbers	Building, First Floor, Post Box No.50
	telephone/telex/rax numbers	Gandhidham – 370201
	b) Address of Executive project	b) Superintending Engineer (Harbour),
	Engineer/manager/ (with pin code	Deendayal Port Authority, A.O. Building,
	fax numbers)	Annex, Post Box No50, Gandhidham-
		Kutch. Gujarat Pin – 370201
		Kutcii. Gujarat Piii – 370201

6.	Salient features a) Of the Project	Salient feature of the project
	a) of the froject	Sr. Particulars Details
		1. Project Name Construction Of Interchange Cum Road Over Bridge(ROB) at LC- 236 (KUTCH SALT JUNCTION) On NH-141 in the State of Gujarat under EPC Mode
		2. Activity at Road over Bridge over the site railway crossings and a barren stretch
		3. Length of the 14.892 Kms Stretch
		 4. Built-up Area 255148.5 m² 5. Cost of the Rs. 284 Crores project
7	b) Of the Environmental Management Plan Production Details during compliance	Commitment & Policy: The management wistrive to provide and implement the Environmental Management Plan that incorporates all issues related to air, water land and noise. Planning: This includes identification of environmental impacts, legal requirements an setting environmental objectives. Implementation: This comprises of resources available to the developers accountability of contractors, training of operational staff associated with environmental control facilities and documentation of measures to be taken. Measurement & Evaluation: This include monitoring, counteractive actions and recorplicable.
7.	Production Details during compliance period and (or) during the previous financial year	Not applicable
8.	Breakup of the project area a) Submergence area: forest & nonforest	Length of the Stretch: 14.89 kms Build up Area: 255148.5 m2

	b) Others	No forest land is involved in the project
9.		The habitation and households are near to the
9.	Breakup of the project affected population with enumeration of those	proposed project site as the area already falls
	losing houses/dwelling units only	under the property of port. The villages fall in the
	agricultural land & landless	2-10 km. range from the proposed site and hence
	laborer/artisen	there will not be much impact to the people.
	laborer/artiserr	there will not be much impact to the people.
	a) SC. ST/Adivasis	
	b) Others	
	(please indicate whether these figures	
	are	
	based on any scientific and systematic	
	survey carried out of only provisional	
	figures, if a survey is carried out give	
	details and years of survey).	
10.	Financial details	
	a) Project cost as originally planned	a) Planned Cost: Rs. 232.62 Crores
	and	Revised Cost: Rs. 284 Crores
	subsequent revised estimates and the	
	year of prices reference	
	b) Allocation made for environmental	
	management plans with item wise and	b) Allocation made for Environmental
	year wise break-up	Management plan: 15 lakhs
	year mee erean ap	
	c) Benefit cost ratio/Internal rate of	
	Return and the year of assessment	c) Not applicable
	Whether (c) includes the cost of	
	environmental management plans so	
	far.	
	d) Actual expenditure incurred on the	
		d) 284 Crores
	project	,
	e) Actual expenditure incurred on the	
	environmental management plans so	

	far.	e) -
11.	Forest land requirement	No forest land is involved in the project
	a) The status of approval for diversion of forest land for non-forestry useb) The status of clear felling	
	c) The status of compensatory a forestation, if anyd) Comments on the viability & sustainability of compensatory a forestation programmed in the light of	
12	actual field experience so far	Not applicable
12.	The status of clear felling in non- forestareas (such as submergence area of reservoir, approach roads), if any with quantitative information.	Not applicable.
13.	Status of construction a) Date of commencement (Actual and/orplanned) b) Date of completion (Actual and/or planned)	(a) Date of start of project 01/10/2020.(b) Schedule date of completion 31/03/2023.Actual date of completion 29/05/2023.
14.	Reasons for the delay if the Project is yet to start	Not applicable
15.	Date of site visited a) The dates on which the project was monitored by the regional office on pervious occasion. if any b) The date site visit for this monitoring report	Not applicable
16.	Details of the correspondence with project authorities for obtaining action plans/information on status of compliance to safeguard other than the routine letters for logistic support for site visit.	 a) Chief Engineer, Deendayal Port Authority, Administrative Office Building Annexe Building, First Floor, Post Box No.50 Gandhidham – 370201 b) Superintending Engineer (Harbour),
	(The first monitoring report may contain the details of all the letters issued so far but the later reports may cover only the letters issued subsequently.)	Deendayal Port Authority, A.O. Building, Annex, Post Box No50, Gandhidham- Kutch. Gujarat Pin – 370201