



## INDIAN PORT RAIL & ROPEWAY CORPORATION LTD. (IPRCL)

### Progress of IPRCL Works as on 31/01/2019

Sr. No.	Particulars	No. of Works	Track Km	Cost (approx) INR Crores
1	Completed Works	10	31	213.62
2	Works in Progress	12	468	917.57
3	Works for which bids under process	6	--	409.64
4	Works under planning/development for Major Ports	16	1142 (Approx.)	15,380
5	Works under planning for Rail/Road Connectivity for Minor Ports and State Govt.	-	146	3269.42
6	ROB's under Setu Bharatam in the state of AP	6	--	600
7	ROBs requested from MoS / MORTH for transfer/ approval & transfer to IPRCL.	-	--	--
8	Ropeways & Special Connectivity Projects with IPRCL	-	--	2325
	<b>TOTAL</b>	<b>50 (Major Ports/ Setu Bharatam)</b>	<b>1,787 Tr.Km</b>	<b>23115</b>

### Projects Completed

The following projects have been completed by IPRCL till December 2018. Execution of these projects has done a great value addition to the respective Ports in terms of Rail Cargo handling capacity, efficiency of Rail Operation, etc.

No.	Ports	Projects	Benefits to Ports
1	KoPT	Modernization and up-gradation of Rly. network.	Enhancement of Safety and Seamless Operation, Maintenance Free
2		Upgradation of the Tracks in various Railway lines at EJC yard.	
3	ChPT	Laying of new railway track at western yard and laying paved loading Platform.	Additional full rake sidings to handle containers
4	NMPT	Up-gradation of Platform No. 2 & 3 in the Port Marshalling yard.	Easier access and quicker movement of road vehicles, improving the turnaround time
5	NMPT	Up-gradation of Railway Line 1 & 2	
6	JNPT	Rail Connectivity to newly commissioned 4th Terminal.	Interim Rail Connectivity prior to Commissioning of WDFC
7	VPT	Providing direct connection between OEC and Western sector joining at NAD curve.	Improvement in Operational efficiency & better Turnaround
8		Connection at dead end line at North of R&D yard to Eastern Grid (Third Line) from E. Co Rly.	
9		Providing 3rd line near 14 lever goomty at NH yard	
10	DPT	Rail Connectivity to berth No. 13,14,15 & 16. Phase I : Ground Improvement	Capacity Enhancement for handling Fertilizer/Coal



## Project Highlights

### DFC Compliant Common Rail Yard at JNPT :

IPRCL is assisting JNPT to prepare itself for Dedicated Freight Corridor (DFC) traffic and the rail infra in JNPT is required to be compliant with the requirements of DFC trains. Hence a Common Rail Yard is being developed to handle 1500m long double stack container trains. The work includes the construction of loading area, ballast less track for handling 2 full DFCC trains simultaneously.



### Rail Connectivity to Wardha Dry Port and Jalna Dry Port :

The rail connectivity to Wardha Dry Port and Jalna Dry Port was planned to reduce dependence on roads for cargo movement & also reduce cost of transportation. It would facilitate import and export from the hinterland. Industries will come up near these dry ports as they will not have to waste time over import and export formalities at clogged JNPT. They will be inland intermodal terminals and will be directly connected by rail to JNPT seaport and will operate as centres for the trans-shipment of sea cargo to inland destinations, so rail share will increase.



### Doubling work of Durgachak to Haldia :

It is doubling of 20 kms of railway track at cost of ₹ 81.74 crores. The work is on-going and expected to be completed by August 2019. Doubling work will enhance the rail line capacity of this particular section. It will also result in faster movement of rakes from the port.





**Rail Connectivity to Berth No. 13 to 16, DPT, Kandla :**

IPRCL has completed Phase-I of the 6 km rail connectivity project involving rail improvement works through stone column method at cost of ₹ 73.5 crores. The 2nd phase of the project involving construction of bridges and track at approximate cost of ₹17.54 crores is under progress.



**Rail connectivity from Hare Marshalling yard to Hare Island, Tuticorin :**

IPRCL has completed 12 km long rail connectivity project at V.O.Chidambarnar Port Trust (VoCPT) at a cost of ₹ 97 crores. It will facilitate faster evacuation for the port and increase the rail traffic to the Port.



**Operation and Maintenance (O&M) :**

IPRCL is building an O&M vertical for operation and maintenance of Rail Infrastructure of Ports. IPRCL shall soon be taking over O&M at Mumbai and Vishakapatnam Ports.

**DPR for important Railway Projects :**

IPRCL has prepared DPRs for several new major railway projects like Indore-Manmad (368 km), Kandla-Jaisalmer (357 km), Salegaon-Paradip (190 TKM) and Barithengarh-Ratnagiri (18 km). These projects are under various stages of approval for implementation.

**List of On-going Projects :**

(Rs. In Crores)

Projects	Ports	Cost of Project	Benefits to Ports
Doubling work of DurgaChak to Haldia	KoPT-HDC	81.74	Enhance rail line capacity & faster movement of rakes from port.
7 NSD Yard- Extension of lines to accommodate full rake	KoPT	16.5	Additional full rake siding to handle cargo
Providing railway track between Marshalling Yard and Hare Island	VoCPT	124.43	Improvement in rail connectivity
Jasai JNPT 3rd Line	JNPT	120	Additional line to move incremental traffic to 4th Terminal
Phase 2: Rail Connectivity to berth no. 13, 14, 15 & 16 from take-off point to west end	DPT	17.54	Rail capacity enhancement to move cargo from new berths.
Development of DFC compliant Common Rail Yard	JNPT	163	Be prepared to handle double stack long haul DFC trains
Rail Connectivity to Wardha Dry Port	JNPT	88.64	Inland intermodal terminal with direct connectivity to JNPT
Rail Connectivity to Jalna Dry Port	JNPT	78.72	
Augmentation/doubling of southern connectivity to KPL	KPL	46.58	Improved mobility for evacuation of cargo
Extension of line No. 11 to 15 to full length at R&D yard	VPT	10.77	Improvement in Operation Efficiency & better turn-around
Modification to ROB	JNPT	123.65	Enable entry/exit of double stack long haul DFC trains
Modification to Jalna ROB	JNPT	46	For providing connectivity to dry port from highway
	<b>TOTAL</b>	<b>917.57</b>	





## Ropeways

### Ropeways Business :

IPRCL has got the the mandate to deal with multimodal transit systems across India including ropeways. Thereby, IPRCL can develop, design, construct, operate and maintain multimodal transit systems.

For Ropeways, IPRCL has built up capacity to offer various services like preparation of Feasibility Report and DPR, Bid Process Management and PMC. IPRCL is presently dealing with eight (8) important ropeway projects like Haji Bunder-Elephanta Ropeway in Mumbai, two ropeway projects in Manipur State and Kanyakumari Ropeway Project etc. IPRCL is promoting knowledge sharing through workshops in this field.

### Ropeway connecting Mainland to Thiruvalluvar & Vivekanand Rock Memorial, Kanyakumari :

The Ropeway is proposed between Kanyakumari Mainland to Thiruvalluvar statue and a Marine Bridge between the statue and Vivekanand Rock Memorial. IPRCL engaged an international architectural firm for innovative and aesthetic design of Marine Bridge.



*Shri Nitin Gadkari, Hon'ble Minister of Road Transport, Highways & Shipping, Govt. of India addressing during Workshop held on 12th-13th February 2018 at Mumbai on Development of Ropeways.*



## List of Projects

Following Ropeway Projects are with IPRCL for planning, development, and execution: (Rs. in Crores)

Sr. No.	Project and location	Length & Type of Ropeway	Approx. Cost	Role of IPRCL
1.	Elephanta Caves, Mumbai	8 KM	700	Review of DPR, Bid process Management
2.	TN State Govt.- Kanyakumari Ropeway	420 M	120	Feasibility Report and DPR submitted
3.	Manipur- Langol Cheiraoching - Marjing Ching	6 KM	325	Draft Detailed Feasibility Report Submitted
4.	Manipur- Sendra To Thanga	4.6 KM	250	
5.	Andhra Pradesh- Berm Park to Bhawani Island	700 M	80	Feasibility Report Submitted
6.	Goa Ropeway- Vasco Da Gama to Dona Paula	5 KM	350	Preparation of Feasibility Report
7.	Cochin Ropeway	1500 M	150	DPR review
8.	Sardar Sarovar Dam Ropeway (at Statue of Unity)	500 M	150	Preparation of Feasibility Report
9.	Anandpur Sahibji to Naina Deviji Ropeway Project	4 KM	200	Revalidation of Feasibility Report