









MAKE IN INDIA

KEY INVESTMENT OPPORTUNITIES IN INDIA

INFRASTRUCTURE SECTOR MAY-2016



Table of Contents

Airports	5
Modernisation of Chennai Airport Ph.II	5
Construction of New Integrated Terminal Building	6
Development of Agatti Airport	7
Construction of New Integrated Terminal Building	8
Construction of New Integrated Terminal Building	9
Highways	11
Delhi Jaipur Expressway	11
Construction of New Integrated Terminal Building Error! Bookmark not d	efined.
Monetization of National Highways (TOT Mode)	12
Bangalore-Chennai Expressway	15
Vadodra-Mumbai Expressway Phase II	16
Vadodra-Mumbai Expressway Phase II Part B	17
Vadodra-Mumbai Expressway Phase I Part A (Kim to Vadodra)	18
Baleshwar – Chandikhole	19
Dharwad - Chitradurga	20
Delhi – Meerut Expressway	21
Vodadara – Mumbai Expressway	22
Aunta – Simaria (including Bridge on River Ganga at Mokama)	23
IT Projects – Smart Cities	25



IT Project Type	25
PAN City Proposal – Components Inventory	27
Petroleum and Natural Gas	33
Ennore LNG Project	33
Integrated Refinery Expansion Project at Kochi Refinery (IREP)	36
Propylene Derivatives Petrochemical Project (PDPP) at Kochi Refinery	38
Mumbai Refinery Expansion Project (MREP)	40
Visakh Refinery Modernization Project	42
Upgradation of Process Units of Refinery to meet BS VI norms for MS & HSD	44
Phulpur-Haldia Pipeline Project Phase-I	46
Vijaipur- Auraiya- Phulpur Pipeline Project	48
Railways	51
Suburban Corridor Projects	51
High Speed Train Projects	51
Freight Lines	51
Rolling Stock	55
Railway Electrification Projects	56
Signaling System	57
Railway Technical Training Institutes	58
Mechanized Laundry	59
Re-Development Projects	59



orts
Sagarmala Port Development
Sagarmala Port Modernization
Sagarmala Port Led Development
Shipbuilding, Ship Repair and Ship Breaking77
Maritime Education, Training and Skill Development78
Inland Water Transportation and Coastal Shipping79
Investment Opportunities in Maritime States
Cruise Shipping and Light House Tourism
Hinterland Connectivity & Multi Modal Logistics82
Green Port Initiatives

AIRPORTS



Airports

Project Name	Modernisation of Chennai Airport Ph.II
Project Location	Chennai Airport
Project Type	Terminal Building, Cargo Terminal, MLCP
Concerned Agency	Airport Authority India (AAI)
Mode of Implementation	Calling of Tender
Project Cost(in USD Million)	439.54 Million
Project Status	Detailed planning and design -
A. Current Status	PIB Approval required.
B. Anticipated Project Timelines	Year 2020-21
Mode of Funding and Funding Agency	Internal Resources
Contact Information	Shri A.K.Pathak, ED(Plg.)
(Name, Email, Telephone)	edplg@aai.aero
	91-11-24654084



Project Name	Construction of New Integrated Terminal Building
Project Location	Guwahati Airport
Project Type	Integrated Terminal Building
Concerned Agency	Airport Authority India (AAI)
Mode of Implementation	Calling of Tender
Project Cost(in USD Million)	143 Million
Project Status	Detailed planning and design -
A. Current Status	PIB Approval required.
B. Anticipated Project Timelines	Year 2020-21
Mode of Funding and Funding Agency	Internal Resources
Contact Information	Shri A.K.Pathak, ED(Plg.)
(Name, Email, Telephone)	edplg@aai.aero
	91-11-24654084



Project Name	Development of Agatti Airport.
Project Location	Agatti Airport
Project Type	Extn. Of Runway, Terminal Building, Apron for 2 Nos. ATR-72 type of Aircraft, 2 Nos. Helicopter Bays, ATC Tower cum Technical Block, Fire Station, etc.
Concerned Agency	Airport Authority India (AAI)
Mode of Implementation	Calling of Tender
Project Cost(in USD Million)	225 Million
Project Status	Detailed planning and design -
C. Current Status	PIB Approval required.
D. Anticipated Project Timelines	Year 2020-21
Mode of Funding and Funding Agency	Internal Resources
Contact Information	Shri A.K.Pathak, ED(Plg.)
(Name, Email, Telephone)	edplg@aai.aero
	91-11-24654084



Project Name	Construction of New Integrated Terminal
	Building
	2
Project Location	Lucknow Airport
Project Type	Integrated Terminal Building
Concerned Agency	Airport Authority India (AAI)
	Colling of Tondon
Mode of Implementation	Calling of Tender
Project Cost(in UCD Million)	154 Million
Project Cost(in USD Million)	134 Millon
Drojact Statuc	Detailed planning and design
Project Status	Detailed planning and design -
E. Current Status	PIB Approval required.
	i ib Appioval required.
F. Anticipated Project Timelines	Year 2020-21
Mode of Funding and Funding Agency	Internal Resources
Contact Information	Shri A.K.Pathak, ED(Plg.)
(Name, Email, Telephone)	edplg@aai.aero
	91-11-24654084



Project Name	Construction of New Integrated Terminal
	Building
	Dunung
Project Location	Jaipur International Airport
Project Type	Integrated Terminal Building
-)	
Concerned Agency	Airport Authority India (AAI)
	All port Authority India (AAI)
Mode of Implementation	Calling of Tender
	5
Project Cost(in USD Million)	154 Million US Dollar
Project Status	Detailed planning and design -
	Detaneu planning and design
A. Current Status	PIB Approval required.
	Tib Approval required.
B. Anticipated Project Timelines	Year 2020-21
	1eai 2020-21
Mode of Funding and Funding Agency	Internal Resources
Mode of Funding and Funding Agency	Internal Resources
Contact Information	Shri A K Pathalz ED(Plg)
	Shri A.K.Pathak, ED(Plg.)
(Nama Email Talanhana)	adala@aai aara
(Name, Email, Telephone)	edplg@aai.aero
	01 11 24(54004
	91-11-24654084

HIGHWAYS



Highways

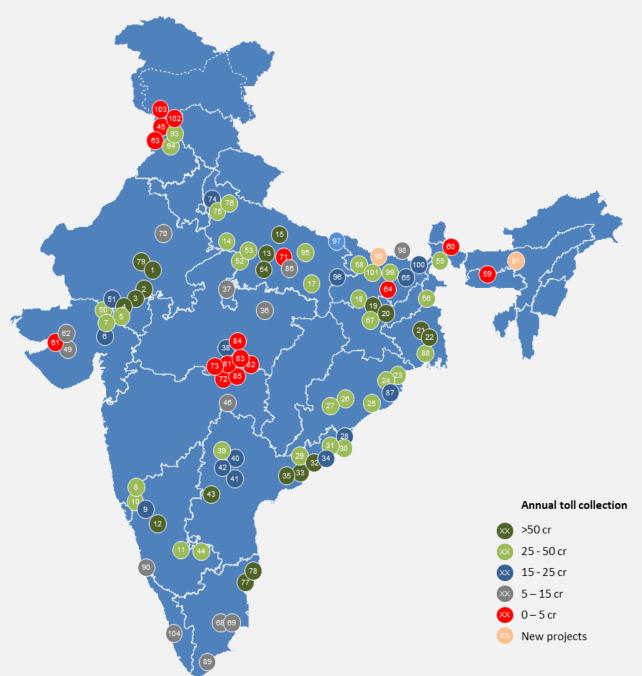
Project Name	Delhi Jaipur Expressway
Project Location	Delhi Rajasthan
Concerned Agency	National Highways Authority of India
Mode of Implementation	PPP/EPC
Project Cost (in USD Million)	1500
Project Status	Preconstruction activities in progress
A. Current StatusB. Anticipated Project Timelines	
Mode of Funding and funding Agency	PPP/EPC
Contact Information (Name, Email, Telephone)	Sh. Shashank Kumar, General Manager (Expressway) Phone - 91-11-25074100; Extn1365 kumarshashank@nhai.org
Project Details	Delhi-Jaipur Expressway (a Greenfield project) takes off in North-West direction from km 20 of NH-8 (existing Delhi-Jaipur National Highway) (South of New Delhi, Indira Gandhi International Airport) near Shiv Murthy and ending at km 242 NH-8 on Jaipur bypass near Daulatpura.



Project Name	Monetization of National Highways (TOT Mode)
Project Location	77 Projects on National Highways
Concerned Agency	National Highways Authority of India
Mode of Implementation	TOT Model
Project Cost (in USD Million)	5000 Million
Project Status	77 Projects
A. Current StatusB. Anticipated Project Timelines	2016-2017
Project Cost	NIL
	TOT model of monetization
Mode of Funding and funding Agency	Investment funds
Contact Information (Name, Email,	Ms. Nivedita Srivastava, CGM (Fin)
Telephone)	Phone 91-11-25074100-Extn. No. 1309
	Email id: niveditasrivastava@nhai.org
Project Details	Bundled packages of National Highway length approx. 5000km in operation phase.
Refer map below for detailed spots of these	77 ToT projects.



TOT projects





Project Name	Length in KMs	Toll collection/Project completion cost
Kishangarh-Bhilwara	101.000	43%
Bhilwara-Chittorgarh	82.900	43%
Kherwara-Ratanpur	40.180	35%
Ankapalli - Vishakhapatnam	40.707	33%
Tambaram- Tindivaram (Annuity)	46.500	30%
Udaipur-Kherwara	70.000	28%
Tambaram- Tindivaram (Annuity)	46.500	25%
Chittorgarh Bypass	29.600	24%
Rithola-Udaipur (Auctioned)	99.170	23%
Himmatnagar-Chiloda	52.000	21%
Garamore - Samakhiyali	52.497	20%
Purnea-Dalkhola	62.140	19%
Sunakhala - Puintola	57.600	17%
Srikakulam - Chilakpalem	48.000	16%
Tundla-Makhanpur	50.873	16%
Visakhapatnam-Champawati	46.340	15%
Icchapuram-Puintola	57.454	15%
Rajamundry-Tuni (Annuity)	84.400	15%
Jalandhar-Pathankot	59.600	15%
Handia-Rajatalab	72.389	15%
Nadigama-Icchapuram	63.000	14%
Garhmukteshwar-Moradabad	56.250	14%
Orai-Bara	66.813	13%
Ratanpur-Himatnagar	54.820	13%
Gorhar - Barwa Adda	78.750	13%
Bommuru- Gondugolanu	107.611	13%
Hapur - Garhmuketeshwar	35.000	13%
Budbud-Pulsit	67.750	13%
Fatehpur - Khokharaj	58.000	12%
Ghaziabad-Hapur & Hapur Bypass	32.245	12%
Aurangabad - Barachatti	60.000	11%
Chetia-Bhadrak	74.500	11%
Gabbur- Devegiri	64.000	11%
Palsit-Dankuni*	63.749	11%
Chakeri - Usrania (Thariwan)	81.210	11%
Hadadi - Devgiri	80.00	10%
Icchapuram-Srikakulam	66.150	10%
Abu road - Pindwara	31.000	10%
Palanpur/ Khemana - Aburoad	45.000	10%
Sunakhala - Bhubaneshwar	76.665	10%
Barachatti - Gorahar	80.000	10%
Bhadrak - Balasore	62.641	10%
Doddasiddanahally - Hadadi	71.00	10%
Gorakhpur-Kasia	41.00	10%
oorakiipur-kasia	41.00	10%



Project Name	Bangalore-Chennai Expressway
Project Location	Karnataka
Concerned Agency	National Highways Authority of India
Mode of Implementation	PPP/EPC
Project Cost (in USD Million)	1000 Million
Project Status A. Current Status B. Anticipated Project Timelines	The alignment passes within 10km of notified Wild Life Boundary. NOC from Standing Committee pre- construction activities of National Wild Life Board is required. (under process with CCF)
Mode of Funding and funding Agency	PPP/EPC
Contact Information (Name, Email, Telephone)	Mr. Shashank Kumar, General Manager (Expressway) Phone. – 91-11-25074100; Extn1365 kumarshashank@nhai.org
Project Details	Bangalore-Chennai Expressway is a green field alignment and will be operated with a closed toll system. The Project is at Feasibility-cum-Preliminary Design Report Stage. There are two existing road connecting Bangalore-Chennai. One is via Hoskote (Bangalore) Hosur (Tamil Nadu) then to Chennai (nearly 350 km). The alignment of proposed expressway is passing in between these two stretches. In another word, it is roughly parallel to both the stretch length of Expressway is 262 km but Bangalore to Chennai distance would be 319 km (262+57km)



Project Name	Vadodra-Mumbai Expressway Phase II
Project Location	Maharashtra
Concerned Agency	National Highways Authority of India
Mode of Implementation	PPP/EPC
Project Cost (in USD Million)	1600 Million
Project Status	Preconstruction activities in progress
Mode of Funding and funding Agency	PPP or EPC
Contact Information (Name, Email, Telephone)	Sh. Shashank Kumar, General Manager (Expressway) Phone. 91-11-25074100; Extn1365 kumarshashank@nhai.org
Project Details	The expressway will link Ahmedabad Vadodra Expressway to Mumbai Pune Expressway thus providing Expressway connectivity from Ahmedabad to Pune for a length of about 650km. Km 26.320 to km 140.700 (Virar to Talasari) Km 0.000 to km 94.390 (Spur to JNPT NH-4B) i) Main Alignment – km 26.32 to km
	35.00=8.68km ii) Spur Alignment km 0.00 to km 15.00=15 km iii) Km 90.00 to km 94.290=4.290km (Karnala
	Bird Sancturary) iv) Total length=8.68km + 15.00 km +4.290 km = 27.97 km



Project Name	Vadodra-Mumbai Expressway Phase II Part B
Project Location	Gujarat, Dadar & Nagar Haveli, Maharashtra
Concerned Agency	National Highways Authority of India
Mode of Implementation	BOT/EPC
Project Cost (in USD Million)	1600 Million
Project Status	Preconstruction activities in progress
Mode of Funding and funding Agency	PPP or EPC
Contact Information (Name, Email, Telephone)	Sh. Shashank Kumar, General Manager (Expressway) Phone – 91-11-25074100; Extn1365 kumarshashank@nhai.org
Project Details	The expressway will link Ahmedabad Vadodra Expressway to Mumbai Pune Expressway thus providing Expressway connectivity from Ahmedabad to Pune for a length of about 650km. (Talasari to Kim) km 104.700 to km 254.430 Km 104.700 to km 254.430 (149.73 km)



Project Name	Vadodra-Mumbai Expressway Phase I Part A (Kim to Vadodra)
Project Location	Gujarat
Concerned Agency	National Highways Authority of India
Mode of Implementation	BOT/EPC
Project Cost (in USD Million)	700 Million
Project Status A. Current Status	MoEF Clearance & CRZ Clearance accorded on 23.12.2015
B. Anticipated Project Timelines	Forest Clearance (Part A-21.388 ha, Part B-75.013 ha)
	Main Expressway-km 104+700 to km 378+722 (260.4 km in Gujarat; 5/5 km in DNH & 8.1 km in Maharashtra) Total Length- 274.022
	3 Nos. GAD approved
Mode of Funding and funding Agency	PPP or EPC
Contact Information (Name, Email, Telephone)	Sh. Shashank Kumar, General Manager (Expressway) Phone. 91-11-25074100; Extn1365 kumarshashank@nhai.org
Project Details	The expressway will link Ahmedabad Vadodra Expressway to Mumbai Pune Expressway thus providing Expressway connectivity from Ahmedabad to Pune for a length of about 650km. Km 254.43 to Km 378.72 (124.29 km length)



Project Name	Baleshwar – Chandikhole
Project location	Baleshwar district to Jajpur district, 🛛 🚬
	Orissa
	C.
Project Type	Construction of National Highway (6-laning)
Concerned Agency	National Highway Authority of India (NHAI)
Mode of Implementation	Build Operate Transfer (BOT) - Toll
	build operate fransier (bor) fon
	225 Millio
Project Cost (in USD mn)	325 Million
•	A. The project has been approved by Cabinet Committee
A Current Statuc	of Economic Affairs; expected to be awarded in FY2016-
B. Anticipated Project	17
T	B. Project expected to get completed in \sim 3 years;
	Concession period to last ~ 20 years after completion
	concession period to last ~20 years after completion
Contact Information	Sh. Raghav Chandra, Chairman, NHAI
	Contact #: 91-11-25093503/1601 (Ext)
Project Details	Length: 138 kms
	Lanes: 6-lane
	Other details: Land valuation completed for 100% of land
	other details, Land valuation completed for 100% of fallu



Project Name	Dharwad - Chitradurga
Project location	Dharwad district to Chitradurga district, 🍡 🏠
,	
	Karnataka
	- Clerker
Project Type	Construction of National Highway (6-laning)
Concerned Agency	National Highway Authority of India (NHAI)
Mode of Implementation	Build Operate Transfer (BOT) - Toll
Project Cost (in USD mn)	400 Million
, (,	
Drojact Status	A. The project is expected to be awarded in FY2016-17
Project Status	A. The project is expected to be awarded in F12010-17
A. Current Status	B. Project expected to get completed in \sim 3 years;
B. Anticipated Project	Concession period to last ~20 years after completion
Timelines	
Contact Information	Sh. Raghav Chandra, Chairman, NHAI
	Contact #: 91-11-25093503/1601 (Ext)
Project Details	Length: 246 kms
	Lanes: 6-lane
	Other details: Land valuation completed for 100% of land
	other details. Land valuation completed for 100% of faild



Project Name	Delhi – Meerut Expressway
Project location	Delhi to Meerut district, Uttar Pradesh
Project Type	Construction of Expressway (6/8-laning)
Concerned Agency	National Highway Authority of India (NHAI)
Mode of Implementation	Hybrid Annuity mode
Project Cost (in USD mn)	>400 Million
Project Status A. Current Status B. Anticipated Project Timelines	 A. Bids have been received in Dec-15 for 2 out of 4 sections; All sections expected to be awarded in FY2016-17 B. Project expected to get completed in ~3 years; Concession period to last ~20 years after completion
Contact Information	Sh. Raghav Chandra, Chairman, NHAI Contact #: 91-11-25093503/1601 (Ext)
Project Details	Length: 96.4 kms Lanes: 4-lane for 27.5 kms stretch Other details: Includes new alignment on ~46 kms stretch, 6-laning on ~22 kms stretch



Project Name	Vodadara – Mumbai Expressway
Project location	<u>~</u>
	Sold States and States
	Vadodara district, Gujarat to
	Raigarh (Mumbai) district, Maharashtra
Project Type	Construction of National Highway (6/8-laning in three
	phases)
	(a) Vadodara to Kim (near Surat) – 124.292 Km.
	(b) Kim to Talasari (near Guj/MH Border) – 149.730
	Km. (c) Talasari to Mumbai & JNPT Spur - 172.770 Km.
Concerned Agency	National Highway Authority of India (NHAI)
concerneurigency	national menoral mana (mining
Mode of Implementation	Build Operate Transfer (BOT) - Toll
Project Cost (in USD mn)	3850 Million
Project Status	A. The three phases of this project are expected to be
	awarded in FY2016-17
A. Current Status	B. Project expected to get completed in ~3 years;
B. Anticipated Project	Concession period to last ~20 years after
Timelines	completion
Contact Information	Sh. Raghav Chandra, Chairman, NHAI
	Contact #: 91-11-25093503/1601 (Ext)
Ducie et Deteil-	Length 450 leng
Project Details	Length: 450 kms Lanes: 6/8-lane
	Other details: Current estimated traffic in Bharuch – Surat
	stretch is 60,000 – 70,000 Daily Passenger Car Units
	(PCUs)
	(1 003)



Project Name	Aunta – Simaria (including Bridge on River Ganga at Mokama)	
Project location	Patna district to Begusarai District, Bihar	
Project Type	Construction of National Highway (4-laning) including 6- lane Ganga Bridge	
Concerned Agency	National Highway Authority of India (NHAI)	
Mode of Implementation	Hybrid Annuity	
Project Cost (in USD mn)	200 Million	
Project Status	A. The project is expected to be awarded in FY2016-17	
A. Current Status	B. Project expected to get completed in \sim 3 years;	
B. Anticipated Project Timelines	Concession period to last \sim 15 years after completion	
Contact Information	Sh. Raghav Chandra, Chairman, NHAI	
	Contact #: 91-11-25093503/1601 (Ext)	
Project Details	Length: 8.150 kms	
	Lanes: 4/6-lane	
	Other details: Land valuation almost completed	

INFORMATION TECHNOLOGY – SMART CITIES



IT Projects – Smart Cities

IT Destant These	Construction Liberarilli d
IT Project Type	Smart Cities Identified
ITS / ITS for traffic and bus management /	Jaipur, Kochi, Ahmedabad, Jabalpur,
Smart Signaling	Visakhapatnam, Solapur, Davanagere,
	Indore, Belagavi, Chennai, Bhopal
Seamless wifi connectivity / Wifi Hotspots	Pune, Jaipur, Kochi, Ahmedabad, Indore,
	Coimbatore, Udaipur, Guwahati, Bhopal
Travel Card for city travel	Pune, Jaipur, Ahmedabad
Citizen App (grievance redressal, citizen	Pune, Jaipur, Surat
reporting)	
e-Buses	Pune, Visakhapatnam
GIS based property and land management	Pune, Jaipur
system	
Air Quality monitoring App / AQM	Jaipur, Surat
Integration of mobility card for monument	Jaipur
entry payments	
Heritage app	Jaipur



IT Project Type	Smart Cities Identified
Smart IPT Stands and App	Jaipur
Implement E-patashala / digital learning in 24 schools	Kakinada
Smart bus shelters with e-toilets	Kakinada
Mobile App for Tourism	Udaipur
Hydrological Information system for flood forecasting	Guwahati
Integrated GIS based utilities management	Chennai



PAN City Proposal – Components Inventory

S.no	Component	Cities	Count
1	Centralised command and control centre	Bhubaneshwar, Surat, Kochi, Ahmedabad, Jabalpur, Visakhapatnam, Bhopal, Davanagere, Indore, Coimbatore, Belagavi, Udaipur, Ludhiana,	13
2	Transit operations system (maintenance and tracking)	Bhubaneshwar, Pune, Jaipur, Ahmedabad, Indore, Solapur, Davanagere, Indore, Kakinada, Udaipur, Guwahati	10
3	Smart parking system	Bhubaneshwar, Pune, Jaipur, Davanagere, Indore, Coimbatore, Kakinada, Udaipur, Guwahati, Chennai, Bhopal	11
4	Common card (payment and operations)	Bhubaneshwar, Jaipur, Surat, Ahmedabad, Indore, Udaipur, Guwahati	7
5	Area based traffic control	Bhubaneshwar, Pune, Ahmedabad, Davanagere, Indore, Coimbatore, Kakinada	7
6	Leak identification system (SCADA/ and AMR)	Pune, Ahmedabad, Solapur, NDMC, Kakinada, Udaipur	6
7	Platform for citizen engagement and all citizen services; city dash board	Kochi, Visakhapatnam, Solapur, Davanagere, Indore, Bhopal	6
8	Traffic mobile app	Pune, Jaipur, Ahmedabad, Indore, Guwahati	5
9	Smart metering (water)	Pune, Kochi, Vizag, Solapur, NDMC, Coimbatore, Belagavi, Udaipur	8
10	CCTV surveillance	Pune, Ahmedabad, Devangere, Indore, Coimbatore, Guwahati, Bhopal	7
11	Emergency response	Bhubaneshwar, Surat, Ahmedabad, Visakhapatnam, Coimbatore, Udaipur	6
12	Public Information system	Pune, Ahmedabad, Davanagere, Indore,	4



13	Public transit and traffic operations and management centre	Jaipur, Surat, Ahmedabad, Devangere, Vizag, Indore, Belagavi, Udaipur	8
14	GPS tracking and optimisation of routes of garbage trucks	Jaipur, Jabalpur, Indore, Kakinada	4
15	Wifi- IT connectivity	Pune, Surat, Kochi, Coimbatore, Belagavi, Guwahati	6
16	NMT infrastructure	Devanagere, Belagavi, Udaipur, Guwahati, Chennai, Bhopal	6
17	LED street lighting	Coimbatore, Guwahati, Chennai, Bhopal	4
18	Traffic analysis or roads and video surveillance inside bus using CCTV surveillance	Pune, Indore, Kakinada	3
19	Mobile app based SWM and cleanliness monitoring	Jaipur, Jabalpur, Indore	3
20	Fleet management system	Jaipur, Ahmedabad, Indore,	3
21	Automatic fare collection system (transport)	Bhubaneshwar, Jaipur, Surat, Ahmedabad, Indore,	5
22	Variable message sign boards	Ahmedabad, Indore, Bhopal	3
23	Optical fibre enabled communication	Ahmedabad, Indore, Bhopal	3
24	Pedestrian infra	Belgavi, Udaipur, Guwahati	3
25	Smart bulk metering at WTPs	Pune, Surat, Kochi	3
26	24x 7 water supply	Pune,NDMC, Belagavi	3
27	Grievance redressal through web, app and phone	Pune, Vizag, Kakinada, Chennai, Bhopal	5
28	SWM operations and management centre/ system	Jaipur, Jabalpur, Indore, Belagavi	4
29	Smart card for all service payments	Surat, Ahmedabad, Kochi, Indore,	4
30	Smart Bus stops	Pune, Jaipur, Devanagere, Belagavi	4
31	Smart meters for electricity	NDMC, Udaipur	2
32	Solar power capacity implementation	NDMC, Belagavi, Guwahati	3



	4
34 Air quality monitoring sensors NDMC , Coimbatore, Bhopal	3
35 City buses Bhubaneshwar, Pune, Devangere, Udaipur, Guwahati	5
36HydraulicinformationGuwahati, Chennaisystem/ flood monitoring	2
37In-bus information systemPuneand wifi	1
38Private bus aggregatorPune	1
39 Intelligent road asset Pune management	1
40Give up "water subsidy"PunecampaignPune	1
41ICT enabled billing and recovery departmentPune, Surat	2
42e-challansfortrafficBhubneshwar, Puneviolations	2
43 ICT and social media based 2 Jaipur way communication with citizens	1
44ERP with GIS platform for corporationSurat	1
45Ticket vending machines and value machinesAhmedabad	1
46WateraccountingatAhmedabadcommunity level	1
47 RFID tags for SWM Jabalpur, Coimbatore, Bhopal	3
48Street sweeping and dusting machinesJabalpur	1
49Capacity building of staffJabalpur, Ludhiana	2
50Institutionalizing SLBSolapur	1
51 Mapping of utilities Solapur	1
52Data analytics centreSolapur, Coimbatore, Bhopal	3
53 Intelligent solar powered Devanagere, Belgavi lights	2
54Bicycle pods with PISDevanagere	1

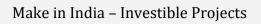


55	Smart paving (capture energy from movement)	Devanagere	1
56	One website, app and call centre	Devanagere	1
57	Pedestrian and bicycle activated signals	Indore	1
58	Supervision of waste processing facility	Indore	1
59	Smart grid and energy management	NDMC	1
60	Mini STP	NDMC	1
61	Rainwater harvesting	NDMC	1
62	Smart classrooms	NDMC	1
63	Virtual hospital	NDMC	1
64	Weighing machines with RFIS/ NFC	Kakinada	1
65	GPS for geofencing garbage bins	Indore, Coimbatore, Kakinada	3
66	Handheld biometric system	Coimbatore, Kakinada	2
67	Kiosks (for urban services and grievance)	Kochi, Devangere, Kakinada, Ludhiana	4
68	Junction improvement	Belgavi	1
69	Para-transit facility	Belgavi	1
70	Bus terminal	Belgavi	1
71	Cleaner fuels	Belgavi	1
72	Solar panels on bus top roof	Guwahati	1
73	Tourism mobile app	Guwahati	1
74	Bus bays	Guwahati	1
75	Cycle sharing	Devangere, Chennai	2



76	Parking management (pricing)	Chennai	1
77	Online system of water connections	Chennai	1
78	Smart E- Rickshaw with charging station	Ludhiana	1
79	GIS enabled revenue collection (land)	Ludhiana	1
80	Water level sensors	Kakinada, Guwahati, Chennai, Bhopal	4
81	Intelligent shopping apps	Bhopal	1

PETROLEUM & NATURAL GAS





Petroleum and Natural Gas

Project Name	Ennore LNG Project
Sector	Oil & Gas
Developer/Company	Indian Oil LNG Pvt. Ltd.,- Joint Venture Company (JVC) promoted by Indian Oil Corporation Ltd.
Project Location	Ennore (Near Chennai), Tamil Nadu
Physical Parameters	
a. Project Capacity	5 MMTPA (with a provision to expand up to 10 MMTPA)
b. Scheduled completion date	2018
c. Present Status	Construction works recently started
d. Project tie-ups including implementation methodology, raw material tie-ups, off-take arrangements, approvals & Clearances etc	The project is being implemented by a private JVC promoted by IndianOil in the name of IndianOil LNG Pvt. Ltd. Tamil Nadu Industrial Development Corporation Ltd. (TIDCO) would join JVC after taking approval from Govt. of Tamil Nadu.
	The project is being executed through three major Engineering, Procurement, Construction & Commissioning (EPCC) Contracts viz. LNG Storage Tanks, Regasification Facilities and Marine Facilities.
	The project has been accorded Environmental & CRZ Clearance by Ministry of Environment & Forests, New Delhi on 10.02.2014. Also, In-principle approval has been obtained from PESO for the Terminal.



	elay vis-à-vis original chedule	Nil
f. R	easons for delay	N.A.
(i	i) State Govt. related	
	(ii) Central Govt. related	
(iii) Financial related	
	(iv) Others	
Financ	ial Parameters	
a. P	roject Cost (INR Billion)	Rs. 51.51 Billion ; As per Initial Financial appraisal
M	xpenditure Incurred & Ieans of Finance (INR illion)	Rs. 1.75 Billion as on 31.12.2015. The funding of the project is being arranged through short-term loans from IndianOil and subscription of Compulsory Convertible Debentures (CCDs) by Financial institutions. Further, funding for the project is being arranged through Debt and Equity.
	unds required for project ompletion	The funding to the project is being met through subscription of Compulsorily Convertible Debentures (CCDs) by Financial Institution & IndianOil for first two years. In the meantime, the JVC would rope in Equity/ Strategic Partners to complete the financial closure.
	mount & Reasons of verrun (if any)	N.A.
e. A	mount of funding vailable	
(i		Approx. Rs. 3434 crore ; As per initial financial appraisal.



(ii) Equity	Approx. Rs. 1717 crore (As per initial financial appraisal), where in IndianOil would remain lead partner).
Amount of Investment Required (INR Billion)	Approx. Rs. 85.85 Billion ; Equity Investment from IndianOil
Investment Rationale	This project would meet the clean fuel requirement of southern states of India, particularly Tamil Nadu and some parts of Karnataka & Andhra Pradesh. It would spur industrial growth and overall development of the area. The project will provide Re-gasified Natural Gas (RLNG)
	as a fuel and feedstock to the various existing & upcoming industries such as power plants, fertilizer plants, refineries, petro-chemical plants, ceramic, glass, etc. through pipeline network and also make available RLNG for City Gas Distribution as a CNG in transport sector, for cooking in houses and Commercial sector etc.



Project Name	Integrated Refinery Expansion Project at Kochi Refinery (IREP)
Sector	Petroleum
Developer/Company	BPCL
Project Location	Kochi, Kerala
Physical Parameters	
a. Project Capacity	Expansion of refining capacity from 9.5 MMTPA to 15.5 MMTPA alongwith associated facilities such as DCU, Petro FCCU,VGO,HDT,DHDT, SRU, TGT, NHT/ISOM (revamp), HGU.
b. Scheduled completion date	May 2016 (Mechanical completion)
c. Present Status	2062/2000 equipment reced,1486 erected on foundations. Stack module erection completed for Heater A in DCU.3 rd section of C3 stripper erected at FCCU. Physical Progress: Actual 91.55%; Scheduled 93.50%.
d. Project tie-ups including implementation methodology, raw material tie-ups, off-take arrangements, approvals & Clearances etc	 Tie ups Tie up are made with international Process Licensors like, Shell, UOP, Lummus, Halder Topsoe, Stone & Webster, EIL etc. for the Technology Project management consultancy is tied with M/s EIL Project execution is tied up with more than about 50 major contractors Raw material tie-ups, off-take arrangements, Construction raw material tie ups are in the contractors scope Crude Oil is the main raw material. Crude tie ups and off take arrangements of the products will be carried out in the same



г
channels as are being done for the existing
units
All main approvals and clearances from MoEF,
State PCB, local bodies etc. have been obtained.
On schedule
Rs.165.04
13.103.01
Exp. till Dec.`15 Rs.9397.86crores
USD Bond 2012 – 1644.61, OIDB – 1333.00, USD
Bond 2015 – 2880.44
Rs.165.04 Billion
2:1
2:1
2:1 Rs.47.37 Billion



Project Name	Propylene Derivatives Petrochemical Project (PDPP)
	at Kochi Refinery
Sector	Petroleum
Developer/Company	BPCL
Project Location	Kochi, Kerala
Physical Parameters	
i nysicai i arameters	
a. Project Capacity	Production of niche petrochemicals (Acrylic Acid,
	Oxo Alcohols & Acrylates) utilizing Polymer Grade
	Propylene produced from the Petro FCCU of IREP.
b. Scheduled completion date	May 2018 (Mechanical completion)
c. Present Status	EC received pm 12.5.2015. BDEP preparation in progress. Steam power integration study in advance stage. Site grading in progress. Fin. Progress: Actual 3.81%
d. Project tie-ups including implementation methodology, raw material tie-ups, off-take arrangements, approvals & Clearances etc	 Tie ups Tie up are made with international Process Licensors like, Air liquid, JM Davey, Mitsubishi etc. for the Technology Project management consultancy is tied up with M/s EIL Project execution is being awarded to Contractors Raw material tie-ups, off-take arrangements, Construction raw material tie ups are in the contractors scope Propylene is the main raw material, which will be sourced from the IREP- FCC unit. Product marketing will be done through BPCL- Industrial & Commercial marketing team.



	Clearances from MoEF are obtained. Applications for Approvals and clearances from State PCB, local bodies etc. are submitted and are being closely followed up
e. Delay vis-à-vis original schedule	On Schedule
f. Reasons for delay	
i. State Govt. related	
ii. Central Govt. related	
iii. Financial related	
iv. Others	
Financial Parameters	
a. Project Cost (INR Billion)	Rs.45.89 Billion
b. Expenditure Incurred & Means of Finance	Exp. till Dec.`15 Rs.174.74 crores USD Bonds 2015 – 164.50
c. Funds required for project completion	Rs.45.89 Billion
d. Amount & Reasons of overrun (if any)	
e. Amount of funding available	
i. Debt	2:1
ii. Equity	
Amount of Investment Required	Rs.30.59 Billion
Investment Rationale	Approved Project for Petro chemicals



Project Name	Mumbai Refinery Expansion Project (MREP)
Sector	Oil & Gas
Developer/Company	Hindustan Petroleum Corporation Limited
Project Location	HPCL Mumbai Refinery, Mahul, Mumbai, Maharashtra
Physical Parameters	
a. Project Capacity	Maximization of Crude refining capacity (6.5 to 9.5 MMTPA) and upgradation of MS / HSD to BS V quality at Mumbai Refinery & Construction of Tankage Farm in the land adjacent to Mumbai Refinery.
b. Scheduled completion date	36 months from Environmental Clearance (EC)
c. Present Status	DFR completed & BDEP is in progress. Application submitted to Maharashtra Pollution Control Board (MPCB) for conducting Public Hearing for expansion. Tankage Project awaiting Environmental Clearance from MoEF.
d. Project tie-ups including implementation methodology, raw material tie-ups, off- take arrangements, approvals & Clearances etc.	Construction of all Units and Utilities in conventional mode of execution except HGU which will be done on LEPC mode of execution. Project has been approved by Board. Environmental Clearance (EC) is required for starting the Project.
e. Delay vis-à-vis original schedule	Not Applicable



	1
f. Reasons for delay	-
(i) State Govt. related	-
(ii) Central Govt. related	Environmental Clearance awaited
(iii) Financial related	-
(iv) Others	-
Financial Parameters	
a. Project Cost	Rs. 41.99 Billion.
b. Expenditure Incurred &	Rs. 1.3 Million (as on Dec'2015)
Means of Finance	Through debts & equity
c. Funds required for project completion	Rs.41.99 Billion.
d. Amount & Reasons of overrun (if any)	Not Applicable
e. Amount of funding available	Debt : Equity Ratio - 2:1
(i) Debt	Rs.27.99 Billion (to be tied up)
(ii) Equity	Rs.14.00 Billion
Amount of Investment Required	Rs.27.99 Billion
Investment Rationale	Maximization of Crude refining capacity (6.5 to 9.5 MMTPA) and upgradation of MS / HSD to BS V quality at Mumbai Refinery & Construction of Tankage Farm in the land adjacent to Mumbai Refinery.



Project Name	Visakh Refinery Modernization Project
Sector	Oil & Gas
Developer/Company	Hindustan Petroleum Corporation Limited
Project Location	Visakh Refinery, Malkapuram, Visakhapatnam, Andhra Pradesh
Physical Parameters	
a. Project Capacity	Visakh Refinery capacity expansion from 8.33 to 15 MMTPA)
b. Scheduled completion date	To be finalized subsequent to Environmental clearance and HPCL Board approval.
c. Present Status	DFR Completed. EIA/QRA study completed. Pre Project activities like licensor selection & Site clearance etc. are in progress.
	Environmental clearance from GOI & HPCL Board approval to be obtained.
d. Project tie-ups including implementation methodology, raw material tie-ups, off-take arrangements, approvals & Clearances etc.	Environmental clearance awaited. (EAC meeting conducted on 17-Dec-15) and HPCL Board approval awaited.
e. Delay vis-à-vis original schedule	Not Applicable
f. Reasons for delay	-
(i) State Govt. related	-



(ii) Central Govt.	-
related	
(iii) Financial related	-
(iv) Others	-
Financial Parameters	
a. Project Cost (INR	Rs. 184.12 Billion
Billion)	
b. Expenditure Incurred &	Rs. 554 Million (as on Dec'2015)
-	
Means of Finance	Through debt & equity
c. Funds required for	Rs.184.12 Billion
project completion	
d. Amount & Reasons of	Not Applicable
overrun (if any)	
e. Amount of funding	Debt: Equity ratio - 2:1
available	
(i) Debt	Rs.122.75 Billion (to be tied up)
(ii) Equity	Rs.61.37 Billion
Amount of Investment	Rs.122.75 Billion
Required	
Investment Rationale	Modernization and expansion of Visakh Refinery from
	the existing 8.33 MMTPA to 15 MMTPA along with fuel
	quality upgradation to BS-V/VI.



Project Name	Upgradation of Process Units of Refinery to meet BS
	VI norms for MS & HSD
	VI 11011115 101 MIS & 115D
Sector	Oil & Gas
Developer/Company	MRPL
Project Location	Mangalore, Karnataka
Physical Parameters	
a. Project Capacity	No change in existing capacity
b. Scheduled completion date	April 2020
c. Present Status	Configuration Study in progress.
d. Project tie-ups including implementation methodology, raw material tie-ups, off-take arrangements, approvals & Clearances etc	Being worked out.
e. Delay vis-à-vis original schedule	Not applicable, as Project yet to be approved
f. Reasons for delay	N/a, as on date.
(i) State Govt. related	
(ii) Central Govt. related	
(iii) Financial related	
(iv) Others	
Financial Parameters	



a. Project Cost (INR Billion)	Rs.45 Billion
b. Expenditure Incurred & Means of Finance	Nil
c. Funds required for project completion	Rs.45 Billion
d. Amount & Reasons of overrun (if any)	Not applicable
e. Amount of funding available	
(i) Debt	Rs.30 Billion
(ii) Equity	Rs.15 Billion
Amount of Investment H	Rs.30 Billion
Required	
	Quality up-gradation of Process Units to meet BS VI norms for MS & HSD by April 2020.



Project Name	Phulpur-Haldia Pipeline Project Phase-I
Sector	Natural Gas
Developer/Company	GAIL (India) Ltd.
Project Location	Uttar Pradesh & Bihar
Physical Parameters	
a. Project Capacity	7.44MSCMD
b. Scheduled completion date	December 2018
c. Present Status	Work is under progress
d.Project tie-ups including implementation methodology, raw 	 Project is being implemented in phases in- synchronization with customer tie-ups and their readiness to take gas. Linepipe partly available from other projects inventory and balance is being procured along with other line materials. Approvals & clearances are partly available (around 35%) and balance permissions are being obtained. No Delay NA - -
(iv) Others	-
Financial Parameters	



a. Project Cost (INR Billion)	Rs. 35.61 Billion
b. Expenditure Incurred & Means of Finance	Rs. 250 Million. Expenditure incurred till date and commitment of Rs. 5.23 Billion has been done against the Laying & construction work contracts, procurement of material etc.
c. Funds required for project completion	Rs. 35.36 Billion
d. Amount & Reasons of overrun (if any)	-
e. Amount of funding available	
(i) Debt	70% Debt
(ii) Equity	30% Equity
Amount of Investment Required	Rs. 24.92 Billion.
Investment Rationale	To cater the requirement of various industries/sectors in Fertilizer, electricity, city gas etc.

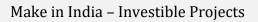


D. I. I. M.		
Project Name	Vijaipur- Auraiya- Phulpur Pipeline Project	
Sector	Natural Gas	
Developer/Company	GAIL (India) Ltd.	
Project Location	Madhya Pradesh & Uttar Pradesh	
Physical Parameters		
a. Project Capacity	8.9 MMSCMD	
b. Scheduled completion date	36 months from 3(1) notification.	
c. Present Status	Work is under progress	
d. Project tie-ups including implementation methodology, raw material tie-ups, off- take arrangements, approvals & Clearances etc	 Project is being implemented in phases in- synchronization with customer tie-ups and their readiness to take gas. Linepipe partly available from other projects inventory and balance is being procured along with other line materials. Approvals & clearances are being obtained. 	
e. Delay vis-à-vis original schedule	No Delay	
f. Reasons for delay	NA	
(i) State Govt. related	-	
(ii) Central Govt. related	-	
(iii) Financial related	-	
(iv) Others	-	



Financial Parameters	
a. Project Cost (INR Billion)	Rs. 43.09 Billion
 b. Expenditure Incurred & Means of Finance 	Commitment of Rs. 30 Million. has been done against the pre-project activities like crossing permissions contract etc.
c. Funds required for project completion	Rs. 43.09 Billion
d. Amount & Reasons of overrun (if any)	-
e. Amount of funding available	
(iii) Debt	70% Debt
(iv) Equity	30% Equity
Amount of Investment Required	Rs. 30.16 Billion
Investment Rationale	To cater the requirement of various industries/sectors in Fertilizer, electricity, city gas etc.

67 RAILWAYS





Railways

Suburban Corridor Projects

Project Name	CSTM- Panvel
Kms	49
Cost (INR Billion)	140
Probable Mode of Execution	DBFOT
Bidding Parameter	Premium/ Viability Gap Funding (VGF)

High Speed Train Projects

Project Name	Chennai- Bangalore- Mysore
Probable Mode of Execution	DBFOT/ G2G Cooperation
Bidding Parameter	Premium/ Viability Gap Funding (VGF)

Freight Lines

Project Name	Dankuni- Gomoh
Kms	282
Cost (INR Billion)	45
Probable Mode of Execution	BOT/ Annuity
Bidding Parameter	VGF/Annual Premium



Project Name	Whitefiled- Kolar
Kms	52.9
Cost (INR Billion)	3.5
Probable Mode of Execution	BOT/ Annuity
Bidding Parameter	VGF/Annual Premium

Project Name	North-South DFC
Probable Mode of Execution	BOT/ Annuity
Bidding Parameter	VGF/Annual Premium

Project Name	Ajmer-Bangurgram
Kms	48.43
Cost (INR Billion)	1.45
Probable Mode of Execution	BOT/ Annuity
Bidding Parameter	VGF/Annual Premium



Project Name	Durg- Rajnandgaon
Kms	31
Cost (INR Billion)	1.53
Probable Mode of Execution	BOT/ Annuity
Bidding Parameter	VGF/Annual Premium

Project Name	Wardha (Sewagram)- Nagpur 3rd line
Kms	76.3
Cost (INR Billion)	2.98
Probable Mode of Execution	BOT/ Annuity
Bidding Parameter	VGF/Annual Premium

Project Name	Kazipet- Vijaywada 3rd line with electrification
Kms	219.6
Cost (INR Billion)	10.54
Probable Mode of Execution	BOT/ Annuity
Bidding Parameter	VGF/Annual Premium



Project Name	Bhadrak- Nergundi
Kms	80
Cost (Rs Crore)	8.37
Probable Mode of Execution	BOT/ Annuity
Bidding Parameter	VGF/Annual Premium

Project Name	Sambalpur- Talcher
Kms	174.1
Cost (INR Billion)	6.79
Probable Mode of Execution	BOT/ Annuity
Bidding Parameter	VGF/Annual Premium

Project Name	Manoharpur- Bondamanda 3rd line
Kms	30
Cost (INR Billion)	2.58
Probable Mode of Execution	BOT/ Annuity
Bidding Parameter	VGF/Annual Premium



Project Name	Rajkharswan- Chakradharpur 3rd line
Kms	20
Cost (INR Billion)	1.7
Probable Mode of Execution	BOT/ Annuity
Bidding Parameter	VGF/Annual Premium

Rolling Stock

(Train sets, locomotives or coach manufacturing and maintenance facility)

Project Name	Periodic overhauling of wagons at Sonpur
Amount	180 wagons per annum
Cost (INR Billion)	4
Probable Mode of Execution	BOT/BOO/JV/Annuity
Bidding Parameter	lowest price of POH per wagon

Project Name	Midlife rehabilitation of coaches at Anara
Amount	250 coaches per annum
Cost (INR Billion)	1.85
Probable Mode of Execution	BOT/BOO/JV/Annuity
Bidding Parameter	lowest price of rehabilitation per coach



Project Name	Locomotive maintenance depots
Amount	Barauni (ECR) Daud (CR) Mughal-sarai (ECR) Bonda- munda (SER)
Cost (INR Billion)	3
Probable Mode of Execution	BOT/BOO/JV/Annuity
Bidding Parameter	lowest maintenance cost per locomotive

Railway Electrification Projects

Project Name	Katwa-Azimganj-Nalhati & Azimganj- Tildanga/ New Farakka
Kms	200
Cost (INR Billion)	2.3
Probable Mode of Execution	BOT/Annuity
Bidding Parameter	VGF/Annual Premium



Signaling System

Project Name	Agra-Gwalior A Route
Kms	118
Project Details	Provision of automatic signaling along with train protection system to enhance line capacity
Cost (INR Billion)	2.5
Probable Mode of Execution	BOT/Annuity
Bidding Parameter	VGF/ Annual Premium

Project Name	Gwalior- Burhpura A route
Project Details	Provision of automatic signaling along with train protection system to enhance line capacity
Kms	126
Cost (INR Billion)	2.8
Probable Mode of Execution	BOT/Annuity
Bidding Parameter	VGF/Annual Premium



Project Name	Burpura- Bina, A Route
Project Details	Provision of automatic signaling along with train protection system to enhance line capacity
Kms	126
Cost (Rs Crore)	270
Probable Mode of Execution	BOT/Annuity
Bidding Parameter	VGF/Annual Premium

Railway Technical Training Institutes

Project Name	Advanced training institute (ATI) for training Technical Staff and Loco Pilots
Amount	6 training centers- With Driving simulators Mughalsarai (ECR), Kurla (CR), Asansol (ER), Vishakapatnam (ECoR), Kanpur (NCR), Avadi (SR)
Cost (INR Billion)	1.2
Probable Mode of Execution	BOT/BOO/JV/Annuity
Bidding Parameter	Lowest cost for identified quantity



Mechanized Laundry

Project Name	Mechanized laundries at identified locations of different capacities
Amount	1T/2T/3T/5T per day
Cost (INR Billion)	1
Probable Mode of Execution	BOT/BOO/JV/Annuity
Bidding Parameter	Lowest cost for identified quantity

Re-Development Projects

Project Name	Re-Development of Habibganj Railway Station in Indian railway Network	
Project Location	Habibganj	
Project Type	Re-Development	
Concerned agency	 (1) M/S Bansal Constructions work PVT ltd.(Lead member) (2) M/s Prakash Ashphaltings of Tell Highway (India) Ltd. (Consortium member) 	
Mode of Implementation	PPP	
Project Cost (in INR Billion)	Commercial development – 4.9 (Approximate) Station development/Re-development – 1.0 (Approximate)	
Project Status A. Current Status	LOI issued on 10.03.2016	



	7	
B. Anticipated project Timelines	3 years after signing of agreement.	
Mode of Funding and Funding Agency	g M/S Bansal Constructions work PVT ltd.(Lead member)	
	M/s Prakash Ashphaltings of Tell Highway (India) Ltd. (Consortium member)	
Contact Information	Sh. Anil Bansal – Tel. – 91-755-2423736	
(Name, Email, Telephone)	E-mail - bcwgroup@yahoo.in	
	Total Land area - 296000 sqm.	
Project Details	Area for commercial development – 113494 sqm	
	Area under station development – 16676 sqm	
	No. of Passengers – 80000 (2053)	
	Departing passenger after buying the ticket moves to concourse area after security check for waiting. Or schedule time passengers move to the platform through VCE's. Whereas, arrival passenger move through dedicated underpass as per the submitted proposal. However, Railway have instructed to conceptually change the exit of arriving passenger through FOB's arrangement which are being worked out.	



Project Name	Re - Development of Chandigarh Railway Station in Indian railway Network	
Project Location	Chandigarh	
Project Type	Re-Development	
Concerned agency	Developer is to be appointed.	
Mode of Implementation	РРР	
Project Cost (in INR Billion)	Commercial development – 6.32 (Appox.) Station development/Re-development – 3.0 (Appox.)	
Project Status A. Current Status B. Anticipated project Timelines	Master Plan has been approved by Northern Railway and UT. Administration Chandigarh. RFQ is to be finalized shortly. 3 years after signing of agreement.	
Mode of Funding and Funding Agency	Funding shall be done by probable Developer.	
Contact Information (Name, Email, Telephone)	CEO – Sh S K Lohia (M) 91-9310733896 E.mail - <u>ceo@irsdc.com</u>	
	COO–Sh. Parag Verma(M) 91-9560595061 E-mail – parag.verma@irsdc.com	
	DGM/G Sh S. P Sharma (M) 91-9910081521 E-mail – <u>sp.sharma@irsdc.com</u>	
	DGM/C Sh. Matabar Singh (M) 91-8130990764 E- mail- matabar.singh@irsdc.com	



	Total Land Area - 1997340 sqm	
	Area under Railway Operation – 748453	
Project Details	Area under Real Estate development – 414072 sqm	
	No. of Passenger - 90000 (2053)	
	Provided Departing passenger after buying the ticket moves to concourse area after security check for waiting. On schedule time passengers move to the platform through VCE's. Whereas, arrival passenger move through dedicated underpass	



	Development of Rijwasan Pailway Station New	
Project Name	Development of Bijwasan Railway Station- New	
	Delhi in Indian Railway Network	
Project Location	Bijwasan – New Delhi	
Project Location	bijwasan – New Denn	
Ducio at Turo	Development	
Project Type	Development	
Concorrect agonay	Developer is to be experinted	
Concerned agency	Developer is to be appointed.	
Made of Implementation	РРР	
Mode of Implementation	rrr	
Project Cost (in INR Billion)	Commercial development – 6. (Appox.)	
	Station development - 3. (Appox.)	
Project Status	RFQ opened on 22.02.2016	
A. Current Status		
B. Anticipated Project	3 years after signing of agreement	
Timelines		
Mode of Funding and Funding	Funding shall be done by probable Developer.	
Agency	, i unanig shan be done by probable bevelopen.	
Contact Information	CEO – Sh S K Lohia (M) 91-9310733896 E.mail -	
(Name, Email, Telephone)	ceo@irsdc.com	
()		
	COO-Sh. Parag Verma(M)91-9560595061 E-mail -	
	parag.verma@irsdc.com	
	DGM/G Sh S. P Sharma (M)91-9910081521 E-mail –	
	sp.sharma@irsdc.com	
	DCM/C Sh. Matchen Sinch (M)01 01200007(4 D	
	DGM/C Sh. Matabar Singh (M)91- 8130990764 E- mail- matabar.singh@irsdc.com	
Project Details	Total Land area – 1449800 sqm	



Total Built-up Area under Comml. Development – 122262 sqm
No. of future passengers – 138000 (2053)
Total Built-up area of station Building – 150437 sqm
Provided Departing passenger after buying the ticket moves to concourse area after security check for waiting. On schedule time passengers move to the platform through VCE's. Whereas, arrival passenger move through dedicated underpass



	Do Dovelopment of Around Viber Deilway Station	
Project Name	Re - Development of Anand Vihar Railway Station- New Delhi in Indian Railway Network	
Project Location	Anand Vihar – New Delhi	
Project Type	Re-Development	
Concerned agency	Developer is to be appointed.	
Mode of Implementation	РРР	
Project Cost (in INR billion)	Commercial development – 6.38 (Appox.) Station development/Re-development – 2.0 (Appox.)	
Project Status A. Current Status B. Anticipated Project Timelines	RFQ opened on 22.02.2016 3 years after signing of agreement	
Mode of Funding and Funding Agency	Funding shall be done by probable Developer.	
Contact Information (Name, Email, Telephone)	CEO – Sh S K Lohia (M)91-9310733896 E.mail - ceo@irsdc.com	
	COO–Sh. Parag Verma(M)91-9560595061 E-mail – parag.verma@irsdc.com	
	DGM/G Sh S. P Sharma (M)91-9910081521 E-mail – <u>sp.sharma@irsdc.com</u>	
	DGM/C Sh. Matabar Singh (M)91- 8130990764 E- mail-matabar.singh@irsdc.com	



	Total Land area – 567000 – sqm
Project Details	Built up Area under comml. Development – 170010 sqm
	No. of Passenger – 210393 (2038)
	Built-up area for station Building – 1 28261 sqm
Concourse area – 23587 sqm	
	Area for Parking – 10952 sqm





Ports

Sagarmala Port Development

S. No	Project Name	Project Cost in USD million	Project Proponent
1	Development of Cochin Outer Harbour	760.6	СоРТ
2	Setting up of a container terminal (2.19 Million TEUs) at Tuna Tekra, Kandla Port	346.2	КРТ
3	Development of 14th multipurpose berth on BOT basis, Kandla Port.	36.70	КРТ
4	Development of 16th multipurpose cargo berth on BOT basis, Kandla Port.	36.70	КРТ
5	Development of Multi-Purpose Cargo Berth at Tuna Tekra on BOT basis, Stage-II Kandla Port.	192.3	КРТ
6	Development of JD East berths for handling bulk cargoes at Chennai Port	55.4	ChPT
7	Development of BD II as Coal Terminal at Chennai Port	27.4	ChPT
8	Setting up of Single Point Mooring Terminal at Chennai	184.6	ChPT
9	Development of Multi-User Liquid Terminal II (3 MMTPA) for handling POL products	88.6	KPL



10	Development of Liquid cargo berth and one coastal Berth at Vasco Bay	46.2	MgPT
11	Development of two berths in Vasco bay with connecting flyover for Navy/Coast Guard	76.0	MgPT
12	Development of Outer Harbour at Paradip Port	769.2	РРТ
13	Development of LNG Terminal/FSRU at New Mangalore Port	461.5	NMPT
14	Development of Outer Harbour (82.50 MMTPA Capacity addition) at V.O. Chidambaranar Port (Phase I)	1803	VoCPT
15	Development of Green Field port at Colachel (Enayam) in the State of Tamil Nadu	1011.6	VoCPT
16	Development of Additional Container Berths in Inner Harbour of V.O. Chidambaranar Port	184.6	VoCPT
17	Creation of 2nd Transloading arrangement within KoPT limits and at Konica Sands (Paradip Limit)	46.2	KoPT (Haldia)
18	Improving the capacity utilization of OR1 &OR2 and Fertilizer Berth at Vishakapatnam Port	83.1	VPT
19	Development of Multipurpose Berth outside the Dock Basin at Kolkata	30.8	KoPT (Haldia)
20	Setting up of a fully mechanized cargo handling jetty with back up facility (cargo terminal-I) at Haldia Dock-II, Shalukkhali	69.2	KoPT(Haldia)



21	Setting up of a Multipurpose dry cargo handling jetty with back up facility (cargo terminal-II) at Haldia Dock-II, Shalukkhali	61.5	KoPT (Haldia)
22	Setting up of a fully mechanized cargo handling jetty with back up facility (cargo terminal-III) at Haldia Dock-II, Shalukkhali	69.2	KoPT(Haldia)
23	Development of New Major Port at Sagar Island, West Bengal	225.2	KoPT(Kolkata)
24	Development of LPG Import Terminal In Gujarat	76.92	MoP&NG
25	Development of LNG Import Terminal in Kakinada in Andhra Pradesh	461.54	MoP&NG
26	Development of LPG Import Terminal In Eastern Ports	123.08	MoP&NG
27	Multipurpose Terminals in Uran Mudflats at JNPT	153.85	JNPT
28	Development of 5th Container Terminal at JNPT	846.15	JNPT
29	Terminals in Nhava Creek at JNPT	92.31	JNPT
30	Construction and Commissioning of additional Liquid Bulk Berth for handling POL at Visakhapatnam Port Trust	15.38	VPT
31	Setting of Edible Oil Terminal at Cochin Port Trust	1.54	CoPT
32	Development of an Oil Jetty outside dock basin at Haldia	15.38	KoPT (Haldia)



33	Finger Jetty at Vasco Bay for Liquid Cargo, Passenger and Fishing at Mormugao port	12.31	MgPT
34	Development of Container yard & cargo handling at Mc-Therson Island near PhongiBalu.	307.69	ALHW
35	Development of Satellite port for JNPT at Vadhavan (DahanuTaluka, Palghar District)	1410.31	JNPT/MMB
36	Development of Satellite Port at Bellekeri (North Kanara)	769.23	NMPT/Govt. of Karnataka
	Total	10951.5	

Sagarmala Port Modernization

S. No	Project Name	Project Cost in USD million	Project Proponent
1	Mechanisation of berth CJ6 for import of fertilizers, Kandla Port	31	КРТ
2	Mechanisation of barge jetties in Bunder basin to support coal lighterage operations, Kandla Port	15.38	КРТ
3	Deepening and Widening of Mumbai Harbour Channel and JN Port Channel (Phase-II)	312.2	JNPT
4	Development of Integrated Common Rail Yard at JNPT for containers.	30.8	JNPT



5	Development of North Anchorage at JNPT	7.7	JNPT
6	Augmentation of Fixed Fire Fighting System at Oil Dock as per OISD 156 norms	10.2	ChPT
7	Capital Dredging Phase-V at Kamarajar Port Limited	46.2	KPL
8	Deepening of Approach Channel to Second / First Chemical Berth at Mumbai Port	23.1	MbPT
9	Mechanisation of CQ 1 to CQ 2 berths at Paradip Port	169.8	РРТ
10	Modification and Improvement to the Existing Iron Ore Handling Plant at Paradip Port	26.92	РРТ
11	Expansion of the Mechanized Coal Handling Plant (MCHP) stackyard for additional coal storage	23.07	РРТ
12	Mechanisation of Berth No.8 for handling container and other clean cargoes	30.8	NMPT
13	Dredging in front of North Cargo Berth-III, North Cargo Berth-IV, 5 Nos of SDB berths and SEPC berth at V.O.Chidambaranar Port	117	VoCPT
14	Installation of Marine Unloading Arms for handling LPG at 1st, 2nd and 3rd oil jetty of Haldia Dock Complex	23.1	KoPT (Haldia)
15	Mechanisation of Berth 3 at Kolkata Port	23.1	KoPT (Haldia)
16	Utilisation of full capacity at North Cargo Berth 1 at V O Chidambaranar Port	116.92	VoCPT



17	Dredging of ~ 5 km common channel of Magdalla and Sewagram in Gujarat to facilitate coastal movement of cement	4.62	SDC/GMB
18	Re-arrangement of yard for improving the efficiency of Port's Container Terminals and allow for inter terminal movement at JNPT	30.77	JNPT
19	Additional coal stackyard for VGCB to increase the terminal capacity at Visakhapatnam Port	23.08	VPT
20	Conversion of OCT to handle Steel cargo and Cars at Mumbai Port	15.38	MbPT
21	Mechanised Food grain Handling Facility at Cochin Port	18.46	СоРТ
22	Mechanised Fertilizer Handling Facility at Cochin Port	23.85	СоРТ
23	Mechanised Fertilizer Handling Facility at New Mangalore Port	23.85	NMPT
24	Mechanised Food grain Handling Facility at New Mangalore Port	18.46	NMPT
25	Up gradation of Coal Jetty II (CJ-II) at VOC Port, Tuticorin	38.46	VoCPT
26	Circulation Plan for Ease of movement of break bulk cargo at Mormugao port	7.69	MgPT
27	Establishment of Vessel Traffic Management Service (VTMS) at Karwar	1.79	DGLL
28	Extension and Raising of Breakwater by 300 meter at Campbell Bay in Great Nicobar	92.30	ALHW



29	Extension of Mus Island Breakwater with additional Wharf along with shore	92.30	ALHW
30	Augmentation of Kandla LPG Import Terminal	46.15	IOCI& KPT
31	Mechanisation of berth CJ2 for Export of Food grains at Kandla	23.85	КРТ
32	Modernisation of Sassoon Dock fishing Harbour in Mumbai Port	8.03	MbPT / MoAFW
	Total	1476.33	

Sagarmala Port Led Development

S. No	Project Name	Project Cost in USD million	Project Proponent
1	Development of Free Trade Warehousing Zone (FTWZ) near Cochin Port	92.3	CoPT
2	Development of Cochin Smart Port City	461.5	СоРТ
3	Development of Port Based Special Economic Zone (Phase - I) at JNPT	72.1	JNPT
4	Development of Free Trade Warehousing Zone on DBFOT basis at KPL	136.8	KPL
5	Power complex in Andhra Pradesh	1076.9	SDC/ MoP
6	Power complex in Maharashtra	1076.9	SDC/ MoP
7	Power complex in Tamil Nadu	1076.9	SDC/ MoP



8	Development of an integrated export based leather and footwear cluster in Kolkata/Bantala	276.9	SDC/MCI& DIPP
9	Development of an integrated export based leather and footwear cluster in Perambur	276.9	SDC/MCI& DIPP
10	Development of an integrated export based leather and footwear cluster in Muzaffarpur	276.9	SDC/MCI& DIPP
11	Export based electronics cluster in northern Maharashtra	538.5	SDC/ MoCIT
12	Export based electronics cluster in TN/AP	538.5	SDC/ MoCIT
13	Export based apparel cluster in Vidarbha	538.5	SDC/MoT
14	Export based apparel cluster in Central AP	538.5	SDC/MoT
15	Export based apparel cluster in Saurashtra	538.5	SDC/MoT
16	Development of marble based furniture cluster in Kutch	353.8	SDC/MCI& DIPP
17	Development of wooden furniture cluster in Kerala	353.8	SDC/MCI& DIPP
18	Development of bamboo based furniture hub in Assam	353.8	SDC/MCI& DIPP
19	Development of Cement cluster in Gujarat	107.7	SDC/MCI& DIPP
20	Development of Cement cluster in Central AP	107.7	SDC/MCI& DIPP
21	Development of Steel cluster in Southern Maharashtra/ Goa	1615.4	SDC/Ministry of Steel



22	Development of Steel cluster at Ennore	1615.4	SDC/Ministry of Steel
23	Development of Automotive cluster at Sanand	707.7	SDC/MCI
24	Development of Port-based Mega food processing park in Southern Maharashtra	361.5	SDC/MoFPI
25	Development of Port-based Mega food processing park in Kakinada	361.5	SDC/MoFPI
26	Petrochemical cluster at Ennore	769.23	SDC/ MoP&NG
27	Petrochemical cluster at Gujarat	769.23	SDC/ MoP&NG
28	Petrochemical cluster at Kakinada	769.23	SDC/ MoP&NG
29	Petrochemical cluster at Mangalore	769.23	SDC/ MoP&NG
30	Development of Greenfield refinery at Tamil Nadu	3846.15	SDC/ MoP&NG
31	Development of Greenfield refinery at Maharashtra	3076.92	SDC/ MoP&NG
32	Development of Smart Industrial Port City (SIPC) at Paradip		РРТ
33	Development of Smart Industrial Port City (SIPC) at Kandla- Gandhidham- Adipur Complex.		КРТ
	Total	23454.89	



Shipbuilding, Ship Repair and Ship Breaking

S. No	Project Name	Project Cost in USD million	Project Proponent
1	Supplying, operating and maintaining 2 Nos. of 50 T Bollard Pull Tug on hiring basis	26.9	NMPT
2	Construction of Floating Dry Docking facility on DBFOT basis through PPP mode at V.O.C. Port	30.8	VoCPT
3	Modernization of Ship Repairing Facilities at Kolkata Dock System	15.4	KoPT (Kolkata)
4	Development of Marine cluster at Ennore	630.77	SDC
5	Building Barge Jetties to Support the Anchorage Operations at Haldia	18.46	КоРТ
6	Dry Docking Facilities at Mumbai Port Trust	7.69	MbPT
7	New Dry Dock facility at Cochin Shipyard Ltd, Kochi	230.77	CSL
8	International Ship Repair Facility (ISRF) Project at Cochin Port Trust premises, Kochi	149.23	CSL
9	Providing Ship Repair facility (Ship-lift /slipway) capable of handling 5000 DWT vessels, at Port Blair Port	76.92	РМВ
10	Extension of Dry Dock-II at Marine Dockyard in Port Blair	14.8	ALHW
11	Development of new Dry Dock at Bambooflat (For Mainland Vessels)	70	ALHW



12	Acquisition of 2 nos. Suezmax tankers	129.84	SCI
13	Procurement of 8000 Cu.M hopper capacity Trailor Suction Hopper Dredger	69.23	DCI
	Total	1470.81	

Maritime Education, Training and Skill Development

S. No	Project Name	Project Cost in USD million	Project Proponent
1	Development of Gujarat Maritime University	132.07	GMB
2	Setting up Logistics and Maritime University at Kakinada, Andhra Pradesh	46.2	Govt. of AP
3	Procurement of VTS Simulator for Training Centre at Kolkata	0.46	DGLL
4	Capacity building of workers involved in ship recycling activities at Alang, Gujarat	4.61	GMB
	Total	183.34	



Inland Water Transportation and Coastal Shipping

S. No	Project Name	Project Cost in USD million	Project Proponent
1	Development of IWT Terminal at Paradip Port	46.2	PPT
2	Setting up of Outer Riverine Terminal (OT-1) at Kolkata Port	63.6	KoPT (Haldia)
3	Setting up of Outer Riverine Terminal (OT-2) at Kolkata Port (Haldia Dock)	29.2	KoPT (Haldia)
4	Construction of IWT jetties in lieu of existing Inland Vessel Wharves/ jetties of KoPT on River Hooghly near Kolkata	18.5	KoPT (Kolkata)
5	Capacity Augmentation of Navigational Infrastructure of National Waterway-I	61.5	KoPT (Kolkata)
6	Dedicated coastal berth for food grain imports at V O Chidambaranar Port in Tuticorin	12.31	VoCPT
7	Development of Coastal Berth for Liquid Cargo at JNPT	3.08	JNPT
8	Development of coastal food export berth for rice in Kakinada Anchorage Port	30.77	FCI
9	Movement of 3 MMTPA imported coal from Bay of Bengal to NTPC Barh, Bihar for a period of 10 years.	169.2	IWAI
10	Development of GR Jetty and BISN jetty through PPP mode in Kolkata on National Waterway - 1	15.69	IWAI



Br	evelopment of Ro-Ro Terminals on rahmaputra (NW-2) for providing Ro-Ro ervices.	12.66	IWAI
	onstruction of new navigation lock gate at arakka.	52.98	IWAI
	ssured Depth Contract between Bhagalpur- arakka Stretch	31.23	IWAI
	onstruction of Multimodal Terminal at hazipur	30.77	IWAI
15 Co	onstruction of Multimodal Terminal at Haldia	71.54	IWAI
16 Co	onstruction of Terminal at Patna	30.77	IWAI
	onstruction of Multimodal Terminal at ribeni/Kalyani	30.77	IWAI
of	onsultancy for Supporting Services for Design f Inland Vessels for Capacity Augmentation of ational Waterway – 1	0.65	IWAI
19 Fa	airway Development on Krishna River in NW-4	12.31	IWAI
	evelopment of IWT for transportation of cargo n Ghagra River	63.1	IWAI
	evelopment of IWT for transportation of cargo n Gandak River	78.46	IWAI
	evelopment of IWT for transportation of cargo n Kosi River	42.31	IWAI
	evelopment of Indo Bangladesh Protocol route or day night navigation on the Sunderbans River	3.85	IWAI



24	Development of IWT for transportation of cargo on Mandovi, Zuari and Cumberjua River	58	IWAI
25	Development of IWT for transportation of cargo on Barak River	18.46	IWAI
26	Development of Multimodal Inland Water Transport terminal at Sahibganj in Jharkhand	82.15	IWAI
27	Ro – Pax Ferry Services between Gogha and Dahej in Gulf of Cambay	78.31	IWAI
	Total	1148.37	

Investment Opportunities in Maritime States

S. No	Project Name	Project Cost in USD million	Project Proponent
1	Providing alternative Road from Bhavnagar to Sosiya - Alang Ship Recycling Yard	13.8	GMB
2	Azhikkal Port - Proposed NH – Bypass and widening of 2 km	9.38	Govt of Kerala
3	Upgrading of Manginapudi Beach Road to a 4 lane road	9.23	Govt. of AP
4	Upgrading 24 Km road to four lane that connects Nellore City (NH-16) to Krishnapatnam Port in Andhra Pradesh	53.85	Govt. of AP



5	Development of Four lane green field road from Machilipatnam South Port to NH-9 in f Andhra Pradesh	70.5	Govt. of AP
6	Development of Four Lane green field road from Machilipatnam North Port to NH-SH-46 in Andhra Pradesh	35.7	Govt. of AP
7	Development of 7.2Km green field road connecting NH 65 to Machilipatnam Port in Andhra Pradesh	26.9	Govt. of AP
8	Development of Four lane of Kakinada Anchorage Port Uppada beach road connection upto NH-16 in East Godavari District of Andhra Pradesh	150.8	Govt. of AP
9	Formation of New By-pass parallel Road west of NFCL and CFL in Kakinada, Andhra Pradesh	10.8	Govt. of AP
10	Upgrading existing R&B road from Chilakuru to Power plants near Krishnapatnam Port in Andhra Pradesh	46.2	Govt. of AP
11	Construction of two Nos. of four lane ROBs at (i) Dummulapeta and (ii) Old Port area in Kakinada, Andhra Pradesh	12.3	Govt. of AP
12	Development of 5Km long Green field Road connecting South and North industrial cluster of Khandaleru creek Near Krishnapatnam Port Andhra Pradesh	13.8	Govt. of AP
13	Augmentation of road connectivity to Cuddalore	92.77	TNMB



14	Development of Fisheries Harbour at Kulai, Mangalore, Karnataka	35.4	Govt. of Karnataka
15	Doubling of the existing rail link connecting Dhamra Port to Bhadrak on Chennai- Howrah main line	230.8	Dhamra Port
16	Connectivity to NH – 17 – Upgrading of SH 92, 96, 97 to connect NH17 to North and South banks of Dighi Port	92.3	Dighi Port
17	Up gradation of SH 164 (Nivli to Jaigad) to connect Jaigad Port to NH 17 at Nivali (PE69)	51.2	JSW Jaigarh Port Ltd
18	Four Lane green field road to Krishnapatnam Port from Naidupeta in Andhra Pradesh	103.1	Govt. of AP
19	Development of four lane bypass road for existing Gangavaram Port connectivity road in Visakhapatnam District in Andhra Pradesh	12.3	Govt. of AP
20	Upgradation of existing B.T. Roads and backup area in to C.C. Pavement in the Anchorage Port area of Kakinada Port in Andhra Pradesh	4.8	Govt. of AP
21	Upgrading of the existing four lane road connecting to NH16 to Gangavaram Port in to six lane road in Andhra Pradesh	7.7	Govt. of AP
22	Development of Fishing Harbour in Juvvaladinne for Coastal Community in SPSR Nellore District in Andhra Pradesh.	15.38	Govt. of AP
23	Four lane road connectivity for the existing two lane road from Kakinada Port to NH16 at Rajanagaram in East Godavari District, Andhra Pradesh.	92.30	Govt. of AP



24	Four lane road connectivity for the existing two lane road from Achampeta Junction to joining NH 16 at Kathipudi in East Godavari District Andhra Pradesh	76.92	Govt. of AP
25	Development of River Chapora for eco- friendly tourism activities and inland water transport.	15.38	Govt. of Goa
26	2nd stage development of Karwar Port in Uttara Kannada District	384.62	Govt. of Karnataka
27	Development of Green Field, Deep Draft Modern Port at Tadri in Uttara Kannada District	461.54	Govt. of Karnataka
28	Planning, Designing and Development of a Captive Port at Pavinakurve in HonnavarTaluka of Uttara Kannada District	153.85	Govt. of Karnataka
29	Development of Honavar Port in Honnavartaluka of Uttara Kannada District	78.62	Govt. of Karnataka
30	Providing Infrastructure to Facilitate Ro-Ro Pax Services and construction of Break Water at Mandwa, Tal. Alibag, Maharashtra	20	MMB
31	Development of ChettinadTharangambadi Captive port in Nagapattinam district	153.84	TNMB
32	Development of port – based Special Investment Region (SIR) at Navlakhi.		GMB
33	Development of coastal jetty by GMB at Navlakhi and Porbandar	46.15	GMB
34	Development of Maritime Cluster in Gujarat	57.38	GMB



		615	GMB
36	Development of Dahej Port in Gujarat	384.77	GMB
	Bahabalpur Port at Bahabalpur in BalasoreDistrict, Odisha	704	Govt. of Odisha
	Bahuda Port at Bahuda in Ganjam District, Odisha	531.38	Govt. of Odisha
	Development of Infrastructure facilities at Cuddalore Non Major Port.	15.11	TNMB
	Development of Infrastructure facilities at Kanniyakumari Port.	3.08	TNMB
	Construction of Bridge from Rajachak to Nandigram over Haldi River in PurbaMednipur	76.92	Govt. of West Bengal
	West Bengal North- South Road Corridor Project (SASEC Port Connectivity)	722.62	Govt. of West Bengal
	Renovation and Upgradation of 103 Nos of Jetties over the rivers of Haldi, Bhagirathi and Hooghly	32.31	Govt. of West Bengal
	Water Transportation Facility from Kolkata to Digha including construction of a jetty at Digha	3.08	Govt. of West Bengal
	Construction of Marine Aquarium/Museum at Digha	3.08	Govt. of West Bengal
	Establishment of Off-shore Transhipment of Bulk Cargo in the Andaman Islands.	76.92	A&N Administration
	Total	5807.88	



Cruise Shipping and Light House Tourism

S. No	Project Name	Project Cost in USD million	Project Proponent
1	International Cruise Terminal at Cochin Port	153.8	СоРТ
2	Modernizing the cruise Terminal at Indira Dock to International Standards	8.3	MbPT
3	Ropeway service between Sewree Fort and Elephanta island in Mumbai Harbour	23.1	MbPT
4	Operation and Maintenance of Cruise Terminal at Mormugao Port	1.4	MgPT
5	Development of Marina on DBFOT basis through PPP mode at V.O.C.Port for a period of 30 years	5.2	VoCPT
6	Seaplane operations on Hooghly River	0.9	KoPT(Kolkata)
7	Development of mega-cruise terminal in Mumbai	92.30	SDC
8	Development of Cruise tourism on National Waterways	15.38	IWAI
9	Development of Tourism at 78 Lighthouses	192.3	DGLL
	Total	492.68	



Hinterland Connectivity & Multi Modal Logistics

S. No	Project Name	Project Cost in USD million	Project Proponent
1	Developing a Dry Port at Jalna	61.5	JNPT
2	Development of Dry Port at Nagpur	61.5	JNPT
3	Development of Road Facilities For Cargo Evacuation inside the Chennai Port	15.4	ChPT
4	Connectivity from Sheela Nagar junction to Anakapalli – Sabbavaram/ PendurtiAnandapuram Road NH16 (Former NH5) Phase-III	77.7	VPT
5	Direct Connectivity to Mindi Yard in Visakhapatnam Port from Eco.Railway	18	VPT
6	New ICD Development in South Uttarakhand	13.08	SDC/MCI
7	New ICD Development in North MP/CG border (Singrauli)	13.08	SDC/MCI
8	New ICD Development in Central Rajasthan (Nagaur))	13.08	SDC/MCI
9	New ICD Development in Hyderabad	13.08	SDC/MCI
10	New ICD Development in North Bengal (Darjeeling)	13.08	SDC/MCI
11	New ICD Development in Raipur	13.08	SDC/MCI
12	Connection of western DFC to Mundra	538.46	SDC/MOR



13	Connection of western DFC to Pipavav	384.62	SDC/MOR
14	Connection of western DFC to Hazira	461.54	SDC/MOR
15	Expressway from Whitefield industrial cluster (Bangalore) to Chennai	1538.46	SDC/MoRTH
16	Expressway from Whitefield industrial cluster (Bangalore) to Enayam	3076.92	SDC/MoRTH
17	Expressway from Sarkhej (Ahmedabad) to Pipavav	1384.62	SDC/MoRTH
18	Expressway from Tirupur industrial cluster (Coimbatore) to Enayam	2000	SDC/MoRTH
19	Expressway from Sanathnagar industrial cluster (Hyderabad) to Vodarevu	1538.46	SDC/MoRTH
20	Expressway from Sarkhej (Ahmedabad) to Mundra	1538.46	SDC/MoRTH
21	Expressway from Panagarh (Durgapur) to Haldia	1384.62	SDC/MoRTH
22	Expressway from Sanathnagar industrial cluster (Hyderabad) to Jawaharlal Nehru Port Trust	3384.62	SDC/MoRTH
23	Expressway from Dighi Industrial Cluster (Pune) to Jawaharlal Nehru Port Trust	692.31	SDC/MoRTH
24	Expressway from Ahmedabad to Jawaharlal Nehru Port Trust	2769.23	SDC/MoRTH
25	Salaya Mathura crude pipeline expansion	153.85	MoP&NG/IOCL
26	Product pipeline from Paradip to Hyderabad	461.54	MoP&NG/IOCL



27	Flyovers at Y junction, approaches to existing terminals to improve flow of containers movement	30.77	JNPT
28	Flyover for GTI Entry/Exit over the Rail Tracks for seamless traffic movement at Jawaharlal Nehru Port Trust	10.77	MoP&NG/IOCL
29	Four lane road from Northern gate of Kamarjar port to Thachur, outer ring corridor - 6 laning with service roads	41.70	SDC
30	Northern Rail Link connecting north of Minjur to Kamarajar Port Limited	35.08	KPL
31	Hare Island - Red Gate - TTPS Circle Road Connectivity	16.15	VoCPT
32	Evacuation road to the standalone Container Terminal (330m extension to DPW terminal) uptoKaral	18.46	JNPT
33	Improvement of existing road connecting Kolkata Port Trust to NH6 and nearby Industrial Clusters	3.46	KoPT
34	Rail connectivity between proposed Port at Sagar Island and Kashinagar Rail station	41.54	КоРТ
35	Road connectivity between proposed Port at Sagar Island and Muriganga bridge & between Muriganga bridge and proposed Rail yard at Kashinagar	26.30	КоРТ
36	New ICD development in Jharsuguda	13.08	SDC/MCI
	Total	21857.6	



Green Port Initiatives

S. No	Project Name	Project Cost in USD million	Project Proponent
1	Development of 14.5 MW Wind Farm ,Chennai Port	14.6	ChPT
2	Setting up of 25 MW Solar power plant at Jawaharlal Nehru Port Trust	23.07	JNPT
3	Setting up of 14 MW solar power plant at Kandla Port Trust	12.9	КРТ
4	Setting up of 15 MW renewable power plant at V. O. Chidambaranar Port Trust	13.84	VoCPT
	Total	64.41	



For any queries related to investments in India, please write to query@investindia.org.in

