



## LIQUID BULK HANDLING FACILITIES

Port	No. of Berths	Cargo Type	Designed/ Actual Depth (m)	Vessel Size (In DWT)	Pipeline Details (No. x DIA)	Marine Arms	Others
KOLKATA	7 #	POL Products/ Others	10.87	UPTO 38,000	-	-	-
HALDIA	3	Crude/ POL Products	8.50 - 10.00	89,000 TO 1,50,000	4x14" 2x8" 5x20" 1x30" 2x24" 2x4" 1x6" 1x12" 1x32" 1x48"	5 at HOJ II 2 at HOJ I 2 at HOJ III	-
PARADIP	1 North Oil Jetty	POL	14	70,000	3x700 mm 1x450 mm	Crude-2 HSD-1 SKO-1	-
	1 South Oil Jetty	POL/Crude	16	1,25,000	12x8"-38"	Crude-2 POL-10	Not yet Operational
	3 SPM	Crude Oil	27.50 (depth) 23.00 (Draft)	3,20,000	1x1200 mm	FLEXIBLE HOSE 400 mm - 6 Nos.	Submarine Pipeline to Storage Tank 19.25 K.M.
VISA KHAPATNAM	1 2*	Crude POL Products	17.00 9.75	1,50,000 50,000	1x900 mm 3x600 mm 1x400 mm 7x350 mm 3x300 mm 3x200 mm	3 - 400 mm	Submarine Equipped with Booster Pumps
	1 4	LPG Other Liquids	13.00 10.06-10.21	50,000 45,000	1x350 mm 2x400 mm 3x200 mm 1x250 mm 3x300 mm		
KAMARAJAR (ENNORE)	1	POL/Chemicals	15	Upto 1,50,000	2x600 mm 2x300 mm 1x200 mm	1 - 300 mm 1 - 250 mm	Facility created & operated by Ennore Tank Terminal (P) Ltd. on BOT basis

Note: # = Excludes anchorages at Sagar/Sandheads used primarily for transhipment of POL(Crude), where vessels of much higher DWT (incl. VLCC's) can work.

\* = Excludes one mooring in Outer Harbour used for transhipment of Crude&Products. Also excluding 3 pipelines at OR1 & OR2 used for slops/Ballast.



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CHENNAI	2	Crude/ POL Products/ Others	BD-1-14.60 BD-3-16.50	Oil Dock I - Max.1 lakh Oil Dock II - Max.1.4 lakh	1x762 mm 2x350 mm 1x500 mm	5 - 300 mm 4 - 400 mm 2 - 300 mm	-
V.O. CHIDAMBARANAR	1	POL Products/ Others	11.9	65,000	2x500 mm 1x450 mm 1x404 mm 1x350 mm 2x250 mm 2x200 mm 1x100 mm	2 - 300 mm	
COCHIN	1	Crude (SBM)	Outer Sea	3,00,000	-	-	Submarine Pipeline
	1	Crude/ POL Products	12.5	1,15,000	1x750 m 2x400 m	4 - 300 mm	Jetty to Shore
	2	POL Products	9.14	30,000/20,000	-	-	Jetty to Shore
	1	Other Liquids	9.14	15,000	-	-	
NEW MANGALORE	2	Crude/ POL Products	14.00	85,000	1x900 mm 1x600 mm 1x450 mm 2x300 mm	6-200 mm (2000 tph Capacity each)	
	1	POL Products/LPG	10.50	45,000		2 Loading Arm 200 mm for LPG	
	1	POL Products/LPG Chemicals	12.50	60,000	5x400 mm 4x300 mm 2x200 mm 1x250 mm	Flexible Hose + Loading Arm for LPG	
	1	POL Products/LPG Chemicals	14.00	85,000	-	-	
	SPM	Crude	30.00	VLCC	-	-	
MORMUGAO	1	POL Products/ Others	12.50	40,000	1x250 mm 1x450 mm 1x850 mm 1x600 mm		



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MUMBAI	4	Crude/ POL Products	10.97 TO 14.30	48,000 TO 1,25,000	1x42" 1x36" 3x30" 1x8"	5x12" at 4JD 5x12" at 3JD 3x12" at 2JD 5x12" at 1JD	Submarine Pipeline 5.1 km from Island to Shore
	2	POL Products/ Chemicals/ Others	7.50 & 12.00	35,000 & 47,000	2x200 mm 1x600 mm 7x300 mm 1x350 mm	1x12" 2x10" 3x8"	
J.N.P.T. *	1	POL Products and Chemicals	16.50	120,000	3x200 mm 1x250 mm 3x400 mm 1x750 mm	6x12" DIA	Facilities for Storage of Liquid Cargo is at Tankfarm, set up by Pvt. Operators on JNPT leased land outside custom bond area
	1	B&C Chemicals/ Others	12.00	45,000	2x450 mm 5x600 mm	2x16" DIA 2x8" DIA	
VADINAR	3 SBM + 2 ESSAR Jetty	Crude POL Products	30.00 14.00	Upto 3,00,000 Upto 1,00,000	2x1050 mm 3x24"	- -	Submarine Pipeline 8 km
KANDLA	4	POL Products/ Other Liquid including Edible oil, Chemicals, etc.	9.80 TO 10.70	40,000 TO 56,000	22x3" 6x4" 4x6" 42x8" 17x10" 9x12" 4x14" 4x16" 9x20" 8x24"	2x10" DIA 3x10" DIA	
	1 IFFCO Jetty (OJ-V)	Phos. Acid and Ammonia	10.70	45,000	2x2.5" 3x3" 1x4" 9x8" 2x12" 1x14"	1x8" DIA	2x8" IA Flexible Hoses
	1 IOC Jetty (OJ-VI)	POL Products	10.10	45,000	1x6" 1x22" 5x24"	3x300 DIA	

(\*) In addition, 1 shallow berth, with 11 m designed/actual depth, which can accommodate vsls upto 30000 dwt size with 1x200 mm & 1x300 mm pipelines, is used for handling of Chemical & Liquid cargo, Container and bulk cargo.