

Sr. No.	Description	Qty.	Unit	Rate	Amount
A.	PART-A (Monitoring & Trouble Shooting / Fault of OH Line)				
1.	<p>Attending & Monitoring of the Trouble shooting /fault of 11 KV Overhead lines. Work comprises of Labour, Material, Tools & Tackle, earth movers for shifting of material as & when required (on 24X7 basis) as directed by Engineer - in-Charge and as per the scope of work given above.</p> <p>a) Manpower for Trouble shooting /fault finding of 11 KV Overhead lines of DC-1, DC-2 , SIPC & Agies Overhead line.(PART-1)</p> <p>b) Manpower for Trouble shooting /fault finding of 11 KV Overhead lines of Oil jetty 1-4 , Oil jetty - 7 & 8 & Over head Line for illumination along Pipe line (PART-2) .</p>	24	Month		
		24	Month		
2.	<p>Providing Vehicle for transportation of material / execution of work & shifting manpower from one site to another site outside cargo jetty along with driver & fuel.</p> <p>a) Tata Yodha Utility type vehicle of model of 2025 inclusive fuel & driver round the clock for the ARC Shift Staff to attend & Monitor the 11KV Over Head Line Outside Cargo Jetty of DC-1 Ckt (7.5KM), DC-2(7.5Km), SIPC (5.5Km) & Agies(4.4KM) and miscellaneous works stationed at Port power house as indicated in the scope of work (PART-1).</p> <p>b) Tata Yodha Utility type vehicle of model of 2025 inclusive fuel & driver round the clock for the ARC Shift Staff to attend & Monitor the 11KV Over Head Line Outside Cargo Jetty of 7th Oil jetty Ckt (6.5KM), 8th Oil Jetty(15Km), 1 to 4 no Oil jetty (1.5Km) & 10KM pipe line illumination at K.K. Road and miscellaneous works stationed at Port power house as indicated in the scope of work (PART-2).</p>	24	Month		
		24	Month		
		<u>TOTAL OF PART "A"</u>			

Sr. No.	Description	Qty.	Unit	A-Supply		Qty	Unit.	B-Labour (Stringing /Erection / Installation, testing & commissioning	
				Rate	Amount			Rate	Amount
B.	PART-B (Works)								
1	Supply & stringing of overhead line of following sizes as per Technical Specification No.1.								
i)	ACSR Conductor of cross section area 100 sq.mm. (Dog).	30	Km.			30	Km.		
ii)	ACSR Conductor of cross section area 55 sq.mm. (Rabbit)	0.5	Km.			0.5	Km		
2	Supply & Laying of 3 Core HT armoured aluminium conductor XLPE cable of 11KV grade of the following type & size as per IS: 7098 (Part - II)1985 with up to date amendment & as per Technical Speci No. 2.								
(A)	Supply								
i)	3 Core x 70 Sq.mm .	500	Mtr						
ii)	3 Core x 150 Sq.mm.	2000	Mtr						
iii)	3 Core x 300 Sq.mm	3000	Mtr						
(B)	Laying.								
i)	In hard and Soft Soil.					1.0	KM		
ii)	On wall /Truss / structure					0.5	KM		
iii)	Through HDPE Pipe under Road / Rail crossing					2.5	KM		
iv)	through Half round RCC pipe.					1.0	KM		
v)	Existing RCC trench.					0.5	KM		
vi)	In GI Class B pipe.					0.5	KM		

Sr. No.	Description	Qty	Unit	A-Supply		Qty	Unit.	B-Labour (Stringing /Erection / Installation, testing & commissioning	
				Rate	Amount			Rate	Amount
3	Supply & laying of 4 Core LT armoured aluminium conductor XLPE cable of 1.1KV grade of the following type & size as per IS: 7098 (Part - I)1985 & as per Technical Speci No. 3.								
(A)	Supply								
i)	4 Core x 50 Sq.mm .	2.0	KM						
ii)	4 Core x 70 Sq.mm .	1.0	KM						
iii)	4 Core x 95 Sq.mm .	1.0	KM						
iv)	4 Core x 150 Sq.mm .	0.5	KM						
v)	4 Core x 240 Sq.mm .	1.0	KM						
(B)	Laying.								
i)	In hard and Soft Soil					1.00	KM		
ii)	On wall /Truss / structure.					0.50	KM		
iii)	Through HDPE Pipe under Road / Rail Crossing					1.00	KM		
iv)	through Half round RCC pipe.					1.50	KM		
v)	Existing RCC trench.					500	Mtr		
vi)	In GI Class B pipe					500	Mtr		
4	Providing and fixing of Indoor / outdoor end termination kit to HT / LT XLPE Cables of following sizes with heat shrink end termination kit as per Technical Speci No. 4.								
A)	End Termination H.T Kit. (O/D)								
i)	3 core x 185- 300 Sq.mm	30	No			30	No		
ii)	3 core x 120-150 Sq.mm	20	No			20	No		
iii)	3 Core x 70 - 95 Sq.mm.		No			10	No		
B)	End Termination H.T Kit (I/D)								
i)	3core x 185- 300 Sq.mm	30	No			30	No		
ii)	3 core x 120 -150 Sq.mm	15	No			15	No		
iii)	3Core x 70 -95 Sq mm.	10	No			10	No		

5	Providing and fixing of Straight through kit to HT / LT XLPE Cables of following sizes with heat shrink end termination kit as per Technical Spec No. 5.								
A)	Straight through H.T Joint Kit								
i)	3 core x 185- 300 Sq.mm	40	No			40	No		
ii)	3 core x 120-150 Sq.mm	25	No			25	No		
iii)	3 Core x 70 - 95 Sq.mm.	15	No			15	No		
B)	Straight through L.T Joint Kit								
i)	4 core x 185- 300 Sq.mm	10	No			10	No		
ii)	4 core x 120 -150 Sq.mm	10	No			10	No		
iii)	4Core x 70 -95 Sq mm.	25	No			25	No		
iv)	4 Core x 35 -50 Sq mm.	50	No			50	No		
6	Supply & Stringing of HT/LT, XLPE insulated Arial Bunched Cable of size 95 sq.mm as per the Technical Speci No. 6.								
(a)	HT AB Cable of size 3 X 150 sq. mm+1X80 sq.mm.	1.0	KM			1.0	KM		
(b)	LT AB Cable of size 3X 120 +1 X 50 + 1X16mm2.	1.0	KM			1.0	KM		
7	Supply of Accessories of Arial bunched cables supplied at site as per the Technical Speci. No. 7.								
i)	Suspension clamp with eye hook	200	No						
ii)	Dead end fitting	60	No						
iii)	Insulation Piercing Connectors (IPC)	60	No						
iv)	Anchoring Assembly (AA)	80	No						
v)	Suspension Assembly (SA) / Service clamp (sc)	10 Each	No						
vi)	Nylon tie/Junction Sleeves	50 Each	20 Pack						
vii)	H.T & LT Lugs/ HT & LT connectors/ phase marker,	50 Each	10 Pack						
viii)	HV cable joint tray	30	No						
ix)	ABC Service Main Distribution Box	25	No						
8	Making of Horizontal Boring (4.5") underneath of Road / Rail Cross crossing with								

a)	HDPE heavy duty pipe as per Technical Specification No. 8. HT XLPE cable upto 3 Core X 400 sq.mm size.	1.5.	KM			1.5.	KM		
b)	LT XLPE cable upto 4 Core X 300 sq.mm size.	1.5	KM			1.5	KM		
9	Supply & Fixing of HT Polymeric Pin Insulator with G.I. Hardware of following rating as per Technical Speci No. 9.								
i)	11KV Polymeric Pin insulator	150	No			150	No		
ii)	22 KV Polymeric Pin insulator.	250	No			250	No		
10	Supply & Fixing of HT Polymeric Disc Insulator with G.I. Hardware of following rating as per Technical Spec No. 10.								
i)	11KV Polymeric Disc insulator	10	No			75	No		
ii)	22KV Polymeric Disc insulator.	20	No			75	No		
11	Supply & erection of PSC pole of following size as per Technical Spec No.11.								
(a)	8 Mtr. long PSC pole.	100	No			200	No		
12	Supply & erection of RSJ Girder pole of following size as per Technical Specification No. 12.								
a)	11 Mtr. long RSJ pole 100mm x110mm x 8mm thickness	15	No.			25	No.		
13	Supply & Fixing of Stay set as per Technical Specification No. 13.	75	Set			75	No.		
14	Supply & Fixing of Lightening arrester complete with hardware as per Technical specification No.14.	10	No.			25	No.		
15	Supply & Fixing of 11KV Horn gap fuse unit complete with hardware as per Technical Spec No.15.	20	Set			20	Set		
16	Supply & Fixing of 11KV gang operated air break (GOAB) switch suitable for overhead mains as per Technical spec No.16.	20	Unit			20	Unit		

17	Supply & Fixing of Cross arm of following size as per Technical Spec No.17.								
i)	Pole top bracket made from 75x 40mm ISMC Channel for oneno. HT transmission line.	150	No.			200	No.		
ii)	1.20mtr. length cross arm made from 75 x 40mm ISMC Channel for two nos. HT transmission lines.	150	No.			200	No.		
18	Providing and fixing guarding for overhead line conductors as per Technical Specification No.18.	3.0	Km.			3.0	Km.		
19	Supply & erection of following type of Structure as per Technical Specification No.19.								
i)	Double Pole Structure	05	No.			05	No.		
20	Supply. Installation, testing & commissioning of Distribution Transformer 11/0.433 kV,copper winding outdoor typesuitable for pole mounting PGVCL approved make of following ratings as perTechnical Speci No. 20.								
i)	25KVA	10	No.			10	No.		
ii)	63KVA	5	No.			5	No.		
iii)	100KVA	5	No.			5	No.		
iv)	200KVA	6	No.			6	No.		
v)	250KVA	8	No			8	No		
21	Supply & fixing of 3 phase and neutral, 200 Amps. Pole mounted Distribution Panel consisting 200A porcelain cutouts and required Aluminum bus bars for outgoing LT Connections as per Technical Spec No.21.	5	No			05	No		

22	Supply, Installation, testing & commissioning of PGVCL / UGVCL / DGVCL/ MGVCCL Approved make or vendor and NABL Lab. Tested 11KV combined C.T.P.T. Unit of following ratios as per Technical Speci No. 22.								
(a)	50/5	1	No.			3	No.		
(b)	150/5	1	No.			6	No.		
(c)	250/5	1	No.			6	No.		
(d)	300/5	1	No.			3	No.		
23	Fabrication, supply and fixing of Chain link cage (Fencing) around DP & FP structure including civil work as per Technical Specification No. 23.								
i)	Around DP Structure	5	Comp Job			5	Comp Job		
ii)	Around FP Structure	5	Comp Job			5	Comp Job		
24	Supply, installation, testing & commissioning of AC 3 Phase LT / CT Multifunction DLMS compliance Energy Meter as Per Technical Specification No. 24.	20	No.			20	No.		
25	Supply, installation, testing & commissioning of AC 3 Phase HT / CT Multifunction DLMS compliance Energy Meter as per Technical Specification No. 25.	20	No.			20	No.		
26	Muffing to pole & stay as per Technical Specification No. 26	200	M ³			200	M ³		
27	Painting of pole with supply of paint as per Technical Specification No. 27.	350	No.			350	No		
28	Providing & Fixing of Chemical Treated Gel Earthing as per Technical Specification No. 28.	50	No.			50	No	-	
29	Providing & connecting following type of earth strip/wire for earth station to equipment as per requirement and as per Technical Spec No. 29.								
i)	8 SWG GI earthing wire.	300	Mtr			300	Mtr		
ii)	50X6 mm Hot Dip GI Strip.	100	Mtr			600	Mtr		

30	Supply of MS powder coated dust and vermin proof pedestal type main distribution panel for providing power distribution to entire railway gate area as per Technical Specification no:-30.	10	No			10	No		
31	Hiring of following per shift of 4Hrs. basis as per TechnicalSpeci No. 31.								
a)	Hydra / Heavy Forklift	30	Shift						
(b)	Tractor with trolley	30	Shift						
(c)	Excavator / Pay-loader.	20	Shift						
Total Amount (Part-B): Rs.									
Total Amount of Part-A + Part-B: Rs									

(Rupees

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(NOTE: The rates should be inclusive of all taxes, duties, fees, cess etc and all incidental charges; but exclusive of Goods & Service Tax).

Signature & Seal
of Contractor

--Sd--
Executive Engineer (E)
Deendayal Port Authority