

BOQ**Scheme No: ES24GS4021****Supply, Laying, Testing & Commissioning with required accessories at Kasturba Nagar**

SR.NO.	SERVICE CODE	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	4060371	Digging of cable trench as per specification and drawings. Rate is inclusive of digging and backfilling. Measurement shall be as per actual depth excavated. For Rocky Soil	CUM	910		
2	4060368	Digging of cable trench as per specification and drawings. Rate is inclusive of digging and backfilling. Measurement shall be as per actual depth excavated . For Ordinary Bituminous/C.C.Road.	CUM	182		
3	4060379	Digging of joint pit suitable for 33/66 KV cable joint box and covering the joint box with sand and providing protection as per BYPL/BRPL design. For Hard Rocky Soil	Cum	82		
4	4060376	Digging of joint pit suitable for 33/66 KV cable joint box and covering the joint box with sand and providing protection as per BYPL/BRPL design. For Ordinary bituminous road	Cum	16		
5	4060385	Digging of test pits of required size(not less than 1/2 Mtr. Wide at site for identification of cable route). Relevent volume shall be deducted from quantities of same item of cable digging For Hard Rocky Soil	EA	33		
6	4060382	Digging of test pits of required size(not less than 1/2 Mtr. Wide at site for identification of cable route). Relevent volume shall be deducted from quantities of same item of cable digging For Ordinary bituminous road	EA	2		
7	4060372	Removal of Malba including Loading / Unloading on own vehicle. The payment shall be restricted to the quantity of sand laid.	CUM	336		
8	4060386	Laying of under ground cable in trench ,covering with RCC cable cover,covering with sand ,Sand cushion will be min 75mm below and 75mm above the cable, fixing of cable identification tags (9" X 4") at every 30 Mtrs, Laying of warning tape above 250mm of the docket, refilling the trench and ramming the surface & removal of malba if any, including watch and ward till charging of cable (This activity includes only labour jobs) for 33 KV cable Running Mtr	M	5600		
9		Fixing of Cable identification Tags	EA	120		
10		Installation of RCC Cable Cover	EA	2000		
11		Installation of Warning Tape as per the Specification of BRPL	M	1200		
12		Laying of HDPE pipe of 180mm dia.of PN6 Class PE80 For crossing of roads by trenchless technology including required equipment, manpower & transport of equipment from one place to another.dia-180 mm	M	1600		
13	3005531	Crossing of roads by trench-less technology by laying of HDPE pipe excluding supply of pipe .Laying by Pneumatic Jack Hammer Road Cutting.laying . 200mm dia.	M	1600		
14		Installation, testing and commissioning of RFID active Electronic ball markers (for 33kV joint)	EA	24		
15		Installation, testing and commissioning of RFID passive Electronic ball markers (for 33kV joint)	EA	35		
16	3012311	Charges of making 33kv, 3x400SQ MM Straight through joints including OFC kit	EA	24		
17	3012390	Making O/D and I/D End termination Kit for 33 kV cables 3CX400 SQMM XLPE, including OFC kit	EA	4		
18		Installtion of RCC Coffin for joint as per the specification of BRPL (Covering of one cable joint by one coffin or by multiple pieces coffins shall be considered as one no coffin in BOQ.)	EA	24		
19	4060391	Supply and fixing of Cable Route/Joint Marker as per approved drawing.For 33/66 KV cables.	EA	35		
20	4060391	Supply and fixing of Cable Route/Joint Marker as per approved drawing.For 33/66 KV cables.	EA	6		
21	4060353	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of shuttering,centring,finishing and reinforcement-All work upto plinth level : 1:2:4 (1cement :2 coarse sand :4 graded stone agg.20mm nominal size.)	CUM	8		
22	4060401	Charges for providing continous steel barricade 1.2 mtr high including cost of all material plant consumables transport and labour for shifting placing painting and regular maintenance.40% qty for selected portion	M	1400		
23		Survey and submission of Ground penetration report for entire Route (Pre survey and post project completion survey both)	M	1400		

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24	4060000	Charges for carrying out Route survey and identification of underground utilities of various civic agencies before/ during execution of scheme involving cable laying work. Route length will be considered for payment. Route length will be specifically verified by DGM.	M	5600		
25	4060394	Charges for Hi pot test - Testing equipment to be provided by the contractor. For 33 KV cables	EA	4		
26	4060249	Fabrication of MS structure as well as galvanised for different equipment like isolator, C.T.'s, P.T.'s, CVT, LA's etc, cable supporting structure including supply of nuts and bolts, consumables , welding electrode, hacksaw blades etc. excluding supply of steel.	MT	1.7		
27	4060348	Erection of MS as well as galvanised structure for different equipment like isolator, C.T.'s, P.T.'s, CVT, LA's , ISO etc, cable supporting structure, 33kV/66 kV GI gantry structure , Tower Structure i/c consumables , welding electrode ,tack welding & hacksaw blades etc.	MT	1.2		
28	4060400	Painting of any M.S.Structure with one coat of Red oxide and two coats of AL.paint ISI marked including supply of paint by contractor.	KG	1700		
29		Laying of GI flat in the excavatd trench including risers, equipment earthing, overlapping of MS flat at the joints by twice of its width and welding of over lapping and cross joints including supply of electrodes, red oxide/bitumin compound , paint etcand Laying of GI earth strip for equipment earthing, along the wall, trench, cable trays etc including fabrication of supports/cleats and fixing with wall bolts, welding works, painting of earth strip and riser with red oxide paint/bitumin compound and final. For 50X6 sqmm	M	250		
30	4060396	Mounting of 33KV,3x400sq.mm.XLPE cable with cable end box on the steel structure and fixing it with suitable wooden cleats (wooden cleats shall be supplied by contractor) i/c.its jumpering with the isolator as required.	EA	4		
31	4060403	Laying of 40mm dia HDPE Duct in open trench	M	200		
32	4060404	Laying of Optical Fiber cable	M	200		
33		Splicing of 48F Optic Fiber Cable	EA	4		
34		Installation of LIU (OFC) with wall	EA	4		
35		Splicing Termination 48F Optical Fiber Cable at LIU	EA	4		
36		VLF High Voltage test as per IEEE 400.2	LS	1		
37		VLF Tan Delta as per IEEE 400.2	LS	1		
38		VLF Partial Discharge as per IEEE 400.2	LS	1		
39		Outer Sheath intergrity test as per IEEE 400.2	LS	1		
		Total				
		GST 18%				
		Net Total				

SUPPLY BOQ

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SR.NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	RCC CABLE COVER 33KV as per specification	EA	2000		
2	Sand	CUM	336		
3	Route marker	NO	35		
4	Joint marker	NO	6		
5	CABLE SUPPORT STRUCTURE	MT	1.2		
6	CAP CABLE END 33KV CABLE DIA 3X400 SQMM	EA	8		
7	WARNING TAPE	M	1200		
8	GI Flat 50x6sqmm	KG	500		
9	HDPE Pipe, PN 6 class PE 80, Dia- 180 mm	M	3200		
10	RFID Electronic Passive Ball Marker 3M Make	NOS	35		
11	RFID Electronic Active Ball Marker 3M Make	NOS	24		
12	Misc Item like Glands, Lugs, Nut & Bolts etc.	LS	1		
13	Cable identification Tags	EA	120		
14	RCC Coffin for joint as per the specification of BRPL (Covering of one cable joint by one coffin or by multiple pieces coffins shall be considered as one no coffin in BOQ.)	EA	24		
15	HDPE Duct-40mm, orange colour	M	200		
16	Optical Fiber Cable, (48F- Single mode 36 and multi mode 12)	M	200		
17	Joint enclosure 48F Optic Fiber Cable (48F- Single mode 36 and multi mode 12)	EA	4		
18	LIU	EA	4		
	Total				
	GST 18%				
	Net Total				

GRAND SUMMARY OF THE QUOTED PRICE

Sr. No.	Scheme no.	SCHEME DESCRIPTION	Total price for supply F.O.R site inclusive all duties taxes	Total Price for Erection, Testing & Commissioning inclusive all Taxes(INR)	Grand Total(INR)
1	ES24GS4021	Supply, Laying, Testing & Commissioning with required accessories at Kasturba Nagar .			
TOTAL Package Cost					
In words :					

We declare that the following are our quoted prices in INR for the entire project/schemes.

Date:

Bidder Name:

Place:

Bidders Address:

Name & Signature

Designation:

Common Seal:.....