

**"Unprice bid format" cum "Schedule of quantity and rate"**

**Signalling & Telecommunication (S&T) Modification Works in Section "Gr 240 Outdoor Works" FOR RAILWAY ELECTRIFICATION PROJECT IN BHANDAI-UDI, BIRLANAGAR-ETAWAH AND SHIKOHABAD-FARRUKHABAD INCLUDING MAINPURI-ETAWAH, SECTION OF AGRA, JHANSI AND ALLAHABAD DIVISIONS OF NORTH CENTRAL RAILWAY UNDER RE PROJECT LUCKNOW, TOTAL RKM 386/440TKM.**

Tender ref no.T0AVX00077 dated:08.12.2022

<b>Item No.</b>	<b>Item Description</b>	<b>UOM</b>	<b>Quantity</b>	<b>Rate in Rs.</b>	<b>Amount in Rs.</b>	<b>Weightage (%)</b>
1	Supply and installation of Thermo shrinkable jointing kits for Quad cables.	each	69			13.5888342%
2	Testing of OFC cable including supply of joint protection and splicing activity.	km	143			3.7176323%
3	Testing of Quad cable	km	119			3.0936940%
4	Excavation of trench 0.35m width 1.2m deep in all categories of soil such as black cotton / hard soil / murram / soft rock mixed with boulders etc., as per cable route plan. Filling the trench with earth to the level of surrounding ground after laying cables.	km	8.5			36.2313188%
5	Laying of Quad cables	km	9.3			1.5999740%
6	Blowing of armored Optical Fiber Cable into duct by using blowing machine and associated works .Before blowing the duct integrity shall be tested If any defect found during duct integrity test , the entire length of HDPE duct is to be replaced by contractor at free of cost.	km	22.5			10.1518123%
7	Laying and fixing of HDPE Pipes	km	3			1.2478722%
8	Fixing of GI Pipes/ GI Sheets & MS channel including hardwares on girder bridge, RCC bridges, Drains, Culverts, Rocky places tunnels / deep cutting. (cost of GI pipes , MS channel not included in this item)	metre	300			0.5027234%
9	Supply and installation of Emergency socket on released rails (2.8 mtr long each) for fabrication of EC sockets.and Installation of emergency socket box including socket on the rail post in the section and yard at every one km. distance as per tapping chart supplied by the survey team. This will include wiring and termination of quad cable on the socket box mounted at 1 m height, clamped with 2 nos. U-Clamps, provision of concrete foundation of rail post in such a way that the rail post is one meter above the earth level. The concreting shall be in ratio of 1:3:6 of cement, sand and stone chips. The contractor shall jointly test with BHEL engineer for its satisfactory operation. This includes painting of Emergency socket post with alternate yellow and black strip of 6" width and painting of the socket box with grey colour paint and painting of arrows on the telephone posts/ cable markers to show the nearest Emergency socket as instructed by the engineer at site. Rail posts and MS pipes of required lengths for fixing Emergency sockets will also be supplied and installed by the Contractor. This includes Supply & installation of VF transformer (1120:470 ) 6 Quad for Block Equipment & EC sockets as per specification IRS:TC 22/76	each	47			8.1257200%
10	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	cum	30			4.1711503%
11	Splicing of 24 Optical Fibre Cable with Optical Fibre Enclosure	Nos	50			7.2700421%

Item No.	Item Description	UOM	Quantity	Rate in Rs.	Amount in Rs.	Weightage (%)			
12	Construction of OFC pit 1mX1mX1m for placing OFC enclosure. This consists of digging pit and placing bricks and plastering. Also, a cover of RCC is made for closing the OFC pit.	Nos	50			10.2992264%			
	Total amount in Rs. (Excluding GST)			No need to quote here		100.00%			
	Bidder to confirm having quoted their price in BHEL NIC portal ( <a href="https://eprocurebhel.co.in">https://eprocurebhel.co.in</a> ) in the manner described in Note: (a) below, by writing "QUOTED" here								
Note									
a	Bidders should quote only the total amount excluding GST in the specified place in BHEL NIC Portal . They should not fill/quote/write anything in col. of Rates and Amount. These rates & amount will be derived from the Total amount quoted and weightage factor assigned against respective items indicated in weightage . (Bidder to quote the total price in BHEL NIC portal <a href="https://eprocurebhel.co.in">https://eprocurebhel.co.in</a> )								
b	The rate and amount are inclusive of all applicable taxes, except for the GST. For details of taxes, refer chapter-XIII of SCC.								
c	Evaluation Shall be based on total amount quoted by bidder.								