

ORAI-BARA PROJECT

BOQ for Street Light Repairng work

Sr. Nos	Items	Unit	Qty	Rate	Amount	Remarks
1	Street Light Sub Feeder Pillar					
1	Supply, Installation, Testing and Commissioning of Following Sub Feeder Pillars, With Provision of Metering System, suitable for 415 V, 1 phase / 3 phase, 4 wire, 50 Hz, power supply distribution system. The panel shall be 1.6mm sheet metal enclosed, double door conforming to IP 54, with Bus bars. The painting process shall conform to relevant IS code for out door application. I/C : 63A 4pole MCB - 1 No. + Indication Lamp : - 3 Nos. + 80A 4P Contactor + A/M Selector switch + 1no. Astronomical Time Switch, Push Button Start and Stop. O/G : 40 A TP MCB 4 Nos.	Nos	13		0	
2	LT Cables, Terminations & HDPE Pipe					
	P/Laying P.V.C. / XLPE insulated & P.V.C. sheathed cable of 1.1 KV grade with aluminium / copper conductor of IS: 1554 P-I / IS :7098 P - I in ground/ HDPE Pipe including excavation of 30cmx40cm- Depth 250 MM size trench, refilling earth, compaction of earth, making necessary connection, testing etc. as required of size. Rate also includes Supplying and making one end termination with single compression brass gland, aluminium lugs duly crimped with crimping tool, PVC tape etc for following size:					
a	1.5 Sq.mm (3 core) Copper Flexible Cable (From Pole MCB to Lighting Fixture)	Mtr	16032		0	
b	16 Sq.mm (4 core) Aluminium Cable (From Street Light Pole to Pole)	Mtr	15123		0	
c	25.0 Sq.mm 4 core Aluminium Cable (From Discom Pole to Meter) and LHS panel to RHS panel	Mtr	10896		0	
d	HDPE pipe with I.D. 43mm & O.D. 50 mm. (For Cable Laying)	Mtr	25101		0	
e	50 mm HDPE pipe double laying by HDD method	Mtr	1600		0	

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3	Earthing					
a	SITC of GI Earthing (GI Pipe) 2000 mm long, 50 MM Dia Earthing with GI Supply & Laying Hot Deep GI 12 SWG or 8 Nos earth wire in horizontal or vertical run in ground/ surface/ recess including riveting, soldering, saddles, concreting in small shoulder on making connection etc. as required. Earthing should be 1 nos, for 4poles.	Nos	194		0	
4	Street light pole 12 Meter and 9 Meter					
c	Supplying, Installation, testing & erecting of 150Watt Led Street Light with 5700 deg K color temprature with single piece pressure die-cast aluminium housing with extended heat sink with constant Current External Driver and Inbuilt Electrical Protection like over/under voltage, short circuit open circuit ,miswiring. 1. Housing made of pressure die cast aluminium with well designed heat sink for rapid heat dissipation . The Lighting Part i.e. LED source and the Led Driver should be separated from each other thru a chamber for better performance and Life . 2. PC Injection Moulded Diffuser for high light transmitivity . 3. Min IP 66 Ingress Protection Classification. 4. External Silicon Potted driver for ensuring better reliability and safety . The fixture should be with LT Royal red Color powder coated with Nano Technology 5 . The driver should be easily maintainable from top/ Bottom, special hingeble mechanism to be Provided. The fixture be able to be maintained using a suitable allen Key only. 6 The fixture should be provided with 10KV Surge Protection 7. The Fixture should be able to pole as well as diretct mounting	Nos	402		0	

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b	Supplying, Installation, testing & erecting of 200Watt Led Street Light with 5700 deg K color temprature with single piece pressure die-cast aluminium housing with extended heat sink with constant Current External Driver and Inbuilt Electrical Protection like over/under voltage, short circuit open circuit ,miswiring. 1. Housing made of pressure die cast aluminium with well designed heat sink for rapid heat dissipation . The Lighting Part i.e. LED source and the Led Driver should be separated from each other thru a chamber for better performance and Life . 2. PC Injection Moulded Diffuser for high light transmittivity . 3. Min IP 66 Ingress Protection Classification. 4. External Silicon Potted driver for ensuring better reliability and safety . The fixture should be with LT Royal red Color powder coated with Nano Technology 5 . The driver should be easily maintainable from top/ Bottom, special hingeble mechanism to be Provided. The fixture be able to be maintained using a suitable allen Key only. 6 The fixture should be provided with 10KV Surge Protection 7. The Fixture should be able to pole as well as direct mounting	Nos	774		0	
5	SITC of Single pole MCB 10 AMP	Nos	919		0	
6	SITC of 4 Pole 63 AMP terminal plate with Bakelite Plate sheet for Street Light pole	Nos	529		0	
7	Supply, Installation, Testing & Commissioning of 9 mtr Single Arm, Hot Dip Galvanised Octagonal Street Light Pole as per IS-2629 standards	Nos	10		0	
8	Supply, Installation, Testing & Commissioning of 12 mtr Single Arm , Hot Dip Galvanised Octagonal Street Light Pole as per IS-2629 standards	Nos	1		0	
9	Supply, Installation, Testing & Commissioning of 9 mtr Double Arm, Hot Dip Galvanised Octagonal Street Light Pole as per IS-2629 standards	Nos	42		0	

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Sr. Nos	Items	Unit	Qty	Rate	Amount	Remarks
10	Supply, Installation, Testing & Commissioning of 12 mtr Double arm , Hot Dip Galvanised Octagonal Street Light Pole as per IS-2629 standards	Nos	89		0	
Total					0	
GST@18 %					0	
Garand Total Amount with Transportation loading and unloading					0	

Note: Material & Testing shall be done as per NHAI/MORTH specification

*** The Quantities mentioned in BoQ may vary up to $\pm 25\%$ of original BoQ quantity of single BoQ item subject to maximum of $\pm 20\%$ of original Contract price. The decision of the Employer shall be final and binding on the contractor**