



बिहार पुलिस भवन निर्माण निगम

(बिहार सरकार का उपक्रम)

कौटिल्य नगर, पटना-14, फोन नं०-2223727, फैक्स नं०- 2224529 2224529

पुनर्कोटेशन आमंत्रण सूचना संख्या- 4/2017-18

बिहार राज्य के वैशाली जिलान्तर्गत हाजीपुर मंडल कारा परिसर में बिहार सुधारालय प्रशिक्षण संस्थान (B.I.C.A.) के लिए 750 KVA Distribution Transformer, Panel, Cable, laying of cable, earthing सहित आपूर्ति, अधिष्ठापन, टेस्टिंग एवं कमिश्नरी का कार्य का पर्याप्त अनुभव रखने वाले निर्माताओं (KIRLOSKER/CROMPTON GRIVES/MODERN/EMCO/HEC/EAST INDIA/RAXION/TESLA etc.) से मुहरबंद ई-कोटेशन दिनांक- 11.05.2017 के 3.00 बजे अपराह्न तक आमंत्रित की जाती है जो निगम के वेबसाइट www.bpbcc.co.in से डाउन लोड की जा सकती है। 1-कोटेशन प्राप्त का स्थान-मुख्य अभियंता, बिहार पुलिस भवन निर्माण निगम, पटना का कार्यालय होगा। सभी प्राप्त

कोटेशन उसी तिथि को अपराह्न 3.30 बजे कोटेशनदाताओं या उनके द्वारा प्राधिकृत प्रतिनिधियों के समक्ष खोली जाएगी।

कोटेशनदाता अपना कोटेशन स्थल निरीक्षण के पश्चात् ही समाप्त करेंगे। स्थल की जानकारी विद्युत कार्यपालक अभियंता, पटना से प्राप्त की जा सकती है। कोई भी कोटेशन को बिना कारण बताये रद्द करने तथा कार्यस्थलों की संख्या में कमी या वृद्धि का अधिकार अधोहस्ताक्षरी को सुरक्षित रहेगा।

उक्त कार्य के बारे में विस्तृत Terms & conditions Re-quotation no.4/2017-18 as annexure-1, प्रामाण्य, रूपरेखा एवं अन्य सूचनाएँ किसी भी कार्य दिवस में अधोहस्ताक्षरी के कार्यालय या वेबसाइट www.bpbcc.co.in पर भी देखा जा सकता है।

21/5/2017
मुख्य अभियंता, पटना।

Annexure-I

of e quotation no.4/2017-18

Detailed estimate for Supply, installation, testing commissioning of Two Pole structure, 750 KVA Distribution Transformer, Panel, Cable ,laying of Cable and etc. as per reqd. work at Bihar Institute of correctional administration(B.I.C.A) Hazipur in the Dist. of vaishali.

SI No	Part	Item Description	Make	Qty.		Rate	Amount
		Supply of H.T. Yard / Sub-Station					
		Supply of following material as per the detail given in the specifications and item list description.					
1	NSI	Supply & installation Two pole structural Rail pole 13mtr 105LBS (60KG) conforming to for erecting 11kv two pole structure comprising with red oxide primer and and two coats at synthetic enamel paint and necessary foundation including excavation and earth work for steel structure with PCC 1:2:4 with following accessories					
		Supply & installation 11kv 9KA Discharge current single pole lighting arrestor with insulated base necessary hardware -3nos					
		Supply & installation 11kv single pole strain insulator complete with all necessary hardware -3nos					
		Supply & installation 11kv 3 phase 200A Vertical type gang operated switch with Hot dip galvanised channels post type, insulator ,tinned ,copper contacts,arcing horns , GI pipe gange operating handle, locking arrangement etc. complete in all respect. 1set					
		Supply & installation 11kv Post type insulator jumper Support -3nos					
		11KV 3 Phase 200A Dropout fuse with 60Amp Vertical type insulator tinned copper contacts Bakelite fuse carriers etc. complete in all respects-1Set.					
		Supplying & installing of "DOG" 6/. 186 Al Plus 7 / 0.062 Steel ACSR overhead conductor 10 Mtr.					
		Anti-Climbing devices on each pole made out of 2mm barbed wire coiled along with pole					
		Danger Notice Boards with Skull & Bones in red colour made out of 14 swg sheet in Hindi & English with voltage indicator,		1	Set		
2	NSI	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required. (For Lighting arrestor)		2	Sq mtr		
3	NSI	Extra for using salt and charcoal for proper earth electrode as required.		2	set		
4	NSI	Supplying and laying 8 SWG copper wire at 0.50 metre below ground level for conductor earth electrode, including soldering etc. as required.		30	Mtr		
5	NSI	Providing and laying earth connections from earth electrode with 4.00 mm copper wire in 15 mm dia G.I. pipe from earth electrode, as required.		10	Mtr		

6	NSI	Earthing with copper earth plate 600mm x 600 mm x 3 mm thick including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc as required. (but without charcoal or coke and salt)		2	Set		
7	NSI	Extra for using salt and charcoal for G.I or Copper Plate earth electrode as required.		2	Set		
	NSI	Supplying and laying 8 SWG copper wire at 0.50 metre below ground level for conductor earth electrode, including soldering etc. as required.		100	Mtr		
8	NSI	Providing and laying earth connections from earth electrode with 4.00 mm copper wire in 15 mm dia G.I. pipe from earth electrode, as required.		80 Mtr	Set		
9		S/L 50 mmx6mm G.I Strip with Insulation as strip earth electrode,including connection/terminating with G.I nut,bolt spring washer etc as required (Jointing shall be done by over lapping and with 2 sets of G.I nut bolt & spring washer spaced at 50mm.		50	Mtr		
10		P/f 50 mm x 10 mm copper strip in 65 mm dia G.I Pipe from earth electrode including connection with brass nut,bolt,spring,washer excavation and refilling etc as required.		40	Mtr		
		Supply and Installation and commissioning of outdoor pad mounted 750 KVA,11 KV/415 V, 3 phase 50 HZ Delta/star,Oil cooltype copper wound Transformer confirming with-Off Circuit Tap Changer to IS-2026 complete with all standard accessories & equipments etc as per specification with required test as per I.S rules & Instruction		1	set		
		Construction & Supply Of All raw materials for making of plinth for 750 KVA Transformer (Plinth Should have minimum height of 3 feet)		350	Approx Cu.Ft		
11	NSI	Supplying and making outdoor cable end termination with heat shrinkable jointing kit complete with all accessories including lugs suitable for following size of 3 core,XLPE aluminium conductor cable of 11 KV grade as required (For 90 Sqmm cable)		2	Set		
		Supplying of 3 core 95 sqmm HT PVC/XLPE insulated PVC sheathed ,heavy duty armoured electrical cable including 11 volts (Conforms to IS: 1554 part-1)		25	mtr		
	a	S/F of Light class G.I Pipe of 100 mm dia.(nominal) 3 mtrs length along the pole for protection of under ground cable as required.		1	Each		
	b	Supplying,Installation,testing and commissioning of cubical type LT Panel suitable for 415 Volts	L&T.ABB,L egrand,C& S	1	Nos		
	c	1 No 400A, TPN MCCB having breaking capacity 50 KA with fixed Thermal Magnetic based protection with Main incomer Interlocking etc.as required.(For 200KVA DG Set)	L&T.ABB,L egrand,C& S	1	Nos		
		BUSCOPLER					
	d	1No 630A 50Ka 4 Pole EDO ACB with interlocked with main breaker along etc.as required.	L&T.ABB,L egrand,C& S	1	Nos		
	e	1 No 400A, TPN MCCB having breaking capacity 50 KA with fixed Thermal Magnetic based protection with Main incomer Interlocking etc.as required.	L&T.ABB,L egrand,C& S	1	Nos		

		BUSBARS					
		Aluminium bus bars of minimum of 1600mp TPN with suitable length & heat shrinkable coloured sleeves and including BMC/SMC bus bars supports at required interval complete for cross section, side supports and their spacing etc. for withstanding fault level of 31 MVA for 1 sec	Hindalco, Jindal	1	set		
		INDICATING PANEL					
		The Indicating panel of the incomer ACB shall be provided with the following :					
	f	3 Sets of 3 Nos. of LED phase indication lamps each back up with 2A MCB.	L&T. Siemens, C&S	3	set		
	g	3 Sets Multifunction Meter with selector switch required CT's. with 2A back up MCB	L&T. Siemens, Schneider, AE, Matrix	3	set		
	h	5 Sets of 2 Nos.ON/OFF indicating lamp on incomer feeder for indicating the status of feeder. 1 No. T-N-C breaker control switch. (Trip/Neutral/Close).	L&T. Siemens, C&S	5	set		
		OUTGOINGS					
	i	4Nos. 400A, TPN MCCB having breaking capacity 36 KA with fixed Thermal Magnetic based protection.	L&T.ABB, Legrand, C&S	4	Nos		
	j	4Nos. 250A, TPN MCCB having breaking capacity 36 KA with fixed Thermal Magnetic based protection.	L&T.ABB, Legrand, C&S	4	Nos		
	k	4Nos. 200A, TPN MCCB having breaking capacity 36 KA with fixed Thermal Magnetic based protection.	L&T.ABB, Legrand, C&S	4	Nos		
	l	2Nos. 160A, TPN MCCB having breaking capacity 36 KA with fixed Thermal Magnetic based protection.	L&T.ABB, Legrand, C&S	2	Nos		
		L.T Cable					
12	NSI	Supplying of 3.5 core 300 sq. mm PVC/XLPE insulated PVC sheathed, heavy duty armoured electrical cable including 1100 volts (Conforms to IS: 1554 part-I)	Polaycab, Havells, RR Cable	680	Mtr		
13	NSI	Supplying of 3.5 core 185 sq. mm PVC/XLPE insulated PVC sheathed, heavy duty armoured electrical cable including 1100 volts (Conforms to IS: 1554 part-I)	Polaycab, Havells, RR Cable	574	Mtr		
14	NSI	Supplying of 3.5 core 150 sq. mm PVC/XLPE insulated PVC sheathed, heavy duty armoured electrical cable including 1100 volts (Conforms to IS: 1554 part-I)	Polaycab, Havells, RR Cable	380	Mtr		
15	NSI	Supplying of 3.5 core 120 sq. mm PVC/XLPE insulated PVC sheathed, heavy duty armoured electrical cable including 1100 volts (Conforms to IS: 1554 part-I)	Polaycab, Havells, RR Cable	482	Mtr		
16	NSI	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required. (Above 70 sq. mm and upto 300 sq. mm)		2220	Mtr		
17	NSI	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL pipe as required. (Above 95 sq. mm and upto 185 sq. mm)		50	Mtr		

