



FGMO: DELHI

PART - 2

Price Bid for "Supply, Installation, Testing and Commissioning of 2 Nos of 1000 KVA, 11KV / 433V Outdoor Dry Type Transformers & allied Electrical works at Indian Bank, 17, Parliament Street, Delhi - 110 001 "

Price Bid for "Supply, Installation, Testing and Commissioning of 2 Nos of 1000 KVA, 11 KV / 433V Outdoor Dry Type Transformers & Allied Electrical works at Indian Bank, 17, Parliament Street, Delhi - 110 001"							
Sl.No	DESCRIPTION	QTY	UNIT	SUPPLY		ERECTION	
				RATE (exclusive of all taxes)	AMOUNT (exclusive of all taxes)	RATE (exclusive of all taxes)	AMOUNT (exclusive of all taxes)
1	Supply, Unloading by crane, Storage on Site, Erection on Ready Foundation, Installation, Testing & Commissioning of 11KV/0.433KV, 1000KVA , 11KV/0.433KV, Cast Resin Dry Type Distribution Transformer Three Phase Dyn11(Outdoor type) natural air cooled (ANAN) , conforming IS: 2026 Part (I TO IV), IS: 11171 1985 and IEC726/1982 with all necessary parts. Connection in all respect i.e. LT(3x 3.5C X300sqmm Cable) , HT cable termination and control wire to be done at site for energization of transformers in effective and trouble-free operation in the distribution system. Good Engineering Practices to be followed while Design and erection of Transformer & as per Technical Specifications mentioned in the Tender document- Annexure-I	2	Nos.				
2	Supply, Installation, Testing & Commissioning of 11 KV, 630Amps 4-way Ring main Unit (RMU) Non extensible/extensible having 2 nos. of Incomers,1 no Buscopuler Breaker , 2 nos. of Outgoing Transformer feeders each with Vacuum Circuit breaker fully motorized operation etc & Mechanical and Electrical interlocking arrangement.This shall be having all Incommer/ Transformer Protection features such as Over current, Earth Fault ,Restricted Earth fault etc, This shall Conforming IEC 62271- 200/ IEC 60 298/ IS 12729 : 1988. The design, materials and manufacture of the equipment shall, therefore, be of the highest order to ensure continuous and trouble-free service over the years as per attached Technical Specification of HT Switch Gear - Annexure-II	1	Set				

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				RATE (exclusive of all taxes)	AMOUNT (exclusive of all taxes)	RATE (exclusive of all taxes)	AMOUNT (exclusive of all taxes)
3	Supply, Installation, Testing & Commissioning of 11 KV Cubical Metering Panel with the complete unit including 0.2 class accuracy CT, PT and other necessary metering arrangement.	1	No.				
4	Supply, Installation and laying of 1.1 KV Grade 3x3.5Cx300sq. mm AL conductor, LT XLPE insulated cable Flat Armored & XLPE sheathed, including unloading, shifting to place or work, cable laid the rate under this item is applicable only to cable laid underground with excavation etc. as above. This item covers cable from Transformer LT side to Isolater panel and Breaker/Isolater panel to Main LT Panel.IR Testing of LT cable Piece befor completion of LT terminations at both ends should be considered as part of this items scope.Cable shall be confirming to attached Technical specification - Annexure-III	650	Mtrs				

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				RATE (exclusive of all taxes)	AMOUNT (exclusive of all taxes)	RATE (exclusive of all taxes)	AMOUNT (exclusive of all taxes)
5	Supply, Installation and laying of 11 KV Grade 3Cx150sq. mm AL conductor, HT XLPE insulated cable Flat Armored & XLPE sheathed, including unloading, shifting to place or work, cable laid the rate under this item is applicable only to cable laid on existing cable tray or readymade trench etc. as above. This item covers cable from Metering Kiosk to HT Breaker Panel to Transformer .Supply Head include "cable Supply" only.All other items such as Sand/Bricks/RCC pipes etc. are to be considered in erection rate.Hi-pot testing of HT cable Piece after completion of HT terminations at both ends should be considered as part of this items scope.Cable shall be confirming to attached Technical specification -Annexure-III	300	mtr				
6	Supply, Installation of HS Type Indoor End Termination kit suitable for 11 KV XLPE cable of size 300sq.mm/3.5C AL conductor.	8	Nos.				
7	Supply, Installation of HS Type Indoor End Termination kit suitable for 11 KV XLPE cable of size 150sq.mm/3C AL conductor.	10	Nos.				
8	SITC of 1.1 KV Grade 4Cx2.5sq. mm cu control cable Armored cable laid the rate under this item is applicable only to cable laid on existing cable tray or readymade trench etc. as above. This item covers cable from Transformer LT to HT panel .IR testing of LT cable Piece before completion of LT terminations at both ends should be considered as part of this items scope.Cable shall be confirming to attached Technical specification -Annexure-III	250	Mtrs				

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				RATE (exclusive of all taxes)	AMOUNT (exclusive of all taxes)	RATE (exclusive of all taxes)	AMOUNT (exclusive of all taxes)
9	SITC of Maintenance free Chemical Earthing System, Model 3 Meters, Outer Electrode dia 76 mm and inner dia 40 mm, filled with highly conductive material with inner and outer electrode copper Tightly filled with Crystalline Conductor Mixture with 2 bags of back fill compound (BFC) 25 Kg each complete with heavy duty PVC Chamber with 300 X 450 mm (or nearest standard size) C.I. cover 300x300 mm , test link etc complete including boring, refilling, levelling etc. to obtain Earth Resistance up to Approx. less than 5 OHM.(Individual earth value).	12	Nos				
10	SITC of GI. Earthing strips (50X6mm), including laying through ground, above cable trays, ceiling, wall, structural members with screws, saddles, required clamps, nut bolts, lugs, terminations etc complete	200	Mtrs				
11	Supply and installation of G.I. perforated cable tray of size 600x50 (2 mm thick) with suitable hanging support.	100	Mtrs				

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				RATE (exclusive of all taxes)	AMOUNT (exclusive of all taxes)	RATE (exclusive of all taxes)	AMOUNT (exclusive of all taxes)
12	SITC of Set of 3 Nos. of good quality GI Fire Buckets (sizes as approved by Delhi state fire services dept.) with stand, sand and with a painted M.S. angle structure to be erected at site with Foundation for same.	1	Set				
13	SITC of Set of 11kV Hand Gloves.	2	Set				
14	Supply & Installation of ABC type Fire extinguisher, 5 Kg capacity, BIS marked. To be erected on wall at suitable location.	1	No.				
15	Supply & Installation of First Aid Box with basic medicines, scissor etc complete as per norms, first aid box to be erected on wall with stand. Shock Treatment chart to be erected on wall at suitable location.	1	Set				
16	Supply & Installation of Shock treatment chart in framed teak wood frame and glass in 'Hindi' and 'English' language., first aid box to be erected on wall with stand. Shock Treatment chart to be erected on wall at suitable location.	2	Set				
17	Supply & Installation of 11kV grade, 1 Mtr. wide rubber matting with illuminating strip as per IS 15652 of quality approved by electrical inspector including proper fixing on floor.	15	Mtrs				
18	Cable as per Item No.4, but Cable laid in RCC Pipes/ready Trenches/Air etc. By method excavation/sand/bricks/half round RCC pipes etc but including Clamping & Supporting.	30	Mtrs				
19	Supplying and laying in position Brickwork (1st class brick) for Elevation of existing floor level by 1200 mm from road level, Super structure bed size 7 m x 4 m x 0.375 m thk & Cable trench work as required for installation of substation, complete with 16 mm thk plastering on external/exposed surface . Foundation depth of 500 mm is be be considered for the brick wall .	10	CuM				

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20	Earthwork in excavation in all types of soils in foundation, trenches etc and site development work upto depth of 1.5 m from ground level	25	CuM				
21	Excavation in all types of soil including hard rock and cleaning the debris outside the compound to the yard	2	CuM				
22	Supplying and filling with Pit/ River sand (Fineness Modulus :2.0 to 2.2) and densified to relative density of 90%) hydraulically consolidated, in foundation, in layers not exceeding 150mm in depth including watering, compacting etc.	20	CuM				
23	Supply of Cement, Iron bar and Construction of RCC floor with neat cement finishing on the elevated bed with RMC (M30) of average thickness of 150 mm with 10 mm dia TMT bar (Fe500) @ 150 mm c/c on both ways upon brick on edge soling with 1st class bricks.	4.5	CuM				
24	Supplying ,fabrication and erection of Fencing with shed (MS Sheet) of and 12 feet height with gaping of 2"*2" covering whole transformers , with vertical pipe/angle support with gate(having lock and key) including cost of all materials, MS Bolt & net , fixing and fiinshing in all respects.	2	Job				

25	Charges for dismantling the existing equipment and cable with proper shutdown from NDMC and bank as per site requirement. drawing & all project related approvals and liasion for 1000 KVx2 nos. of oil type transformer, VCB & all HT Panels related statutory approvals complete as required.	1	Job				
26	Submission of as-built drawings, arranging inspection and getting safety certificate from electrical Inspector and all mandatory approvals as required by Bank etc.	1	Job				
27	Less Buyback of Old Transformer, HT Cables, HT Panel etc.	1	Job				
	Total (Exclusive of GST)						
Note(a)	Transformers, Breaker LT / HT, Protection Relays, Isolators shall be commissioned tested by OEM at site after Installation. All Indian Electrical standard shall be compliance as per rule regarding safety of equipment's						