



FGMO: DELHI

PART - 2

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



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

PART - 2

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 RCC bed, Installation, Testing & Commissioning of 11KV/0.433KV, 1000KVA , Dyn11, DRY TYPE POWER Transformer with On load Tap Changer (OLTC),Transformer with Cable termination Box at HT & LT, cable in cable out type to be erected on Ready foundation inside newly constructed shed. Neutral and body grounding connections to be made, WTI settings to be done as per ambient temp. in Marshalling Box.. Tap Changer operations to be confirmed locally as per instruction manual. Rollers to be locked. Good Engineering Practices to be followed while erection of transformer & as per Technical Specifications mentioned in the Tender document. Preparation of RCC bed is included in the scope of work	2	Nos				

2	Supply, Unloading, Storage on Site, Erection on RCC bed , Installation, testing & Commissioning of, indoor type 11KV,3-panel switch board consisting of 1 no incomer panel and 2 no outgoing feeders with all 3 breakers rated 630A, 25 KA for 3 seconds and with internal arc suppression of 25 KA for 3 seconds each with erection on Foundation with 100x50 mm channel supports as per dwgs. The same shall conform to technical specification of tender. Preparation of RCC bed is included in the scope of work	1	Set				
3	SITC of 11 KV (E) Grade 3Cx185sq. mm AL conductor, HT XLPE insulated cable Flat Armoured & XLPE sheathed, including unloading, shifting to place or work to be laid in suitable Overhead GI cable trays from 11 KV RMU to 11 KV 3-panel board and to 2 no transformers	130	Mtrs				
4	SITC of Indoor Type HT Cable End Termination for 11 KV (E) Grade 3 core, 185sq. mm AL conductor, HT XLPE insulated cable.	6	Nos				
5	SITC of 11 KV Grade 3x185sq. mm AL conductor XLPE insulated cable Flat Armoured & XLPE sheathed, including unloading, shifting to place or work, cable laid in either existing trench or through HDPE pipe (From TR-1&2 to ACB-1&2 and to Main LT panel incomer-1&2 (Equipment to Equipment shall be 5 Runs)	500	Mtrs				

6	SITC of 1.1 KV Grade 4Cx2.5sq. mm cu control cable Armoured cable laid the rate under this item is applicable only to cable laid on existing cable tray or readymade trench or through hume pipe 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 (2 run for each transformer to 11 KV VCB control).	150	Mtrs				
7	Supply and installation of G.I. ladder type cable tray of size 600x50 (2 mm thick) with suitable hanging support from ceiling.	150	Mtrs				
8	SITC of 1600A TPN Aluminium sandwich bus duct as per technical specification of tender complete with bends, end boxes, aluminium flexible joints and other accessories to be suspended from ceiling with suitable dia threaded rod/ GI angle support etc from transformer-1&2 to Main LT panel	50	Mtrs				
9	SITC of Pipe in pipe Maintenance free Chemical Earthing System, Model 3 Meters, Outer Electrode dia 88mm and inner dia 48 mm, filled with highly conductive material with G.I. and inner galvanisation Tightly filled with Crystalline Conductor Mixture with HDG along with 2 bags of back fill compound (BFC) 25 Kg each complete with heavy duty PVC Chamber with 300 X 450 mm (or nearest standerd size) C.I. cover- 300x300 mm, test link etc complete including boring, refilling, levelling etc. to obtain Earth Resistance up to Approx. less than 3 OHM. [Transformer1 & 2- Body - 2 nos. + HT PANEL-2 nos and Transformer neutral-1&2-2 No] (Individual earth value).	6	Nos				

10	SITC of CU. Earthing (50X6mm Earth Strips), including laying throught ground, above cable trays, ceiling , wall, structural members with screws, saddles, required clamps, nut bolts, lugs, terminations etc complete (For transformer body, neutral and 11 KV SWbd).	100	Mtrs				
11	SITC of GI. Earthing (50X6 mm GI Earth Strips), including laying throught ground, above cable trays, ceiling , wall, structural members with screws, saddles, required clamps, nut bolts, lugs, terminations etc complete (For rising mains, cable trays and other low voltage equipments).	150	Mtrs				
12	SITC of Set of 3 Nos.of good quality GI Fire Buckets (sizes as aproved by Delhi state fire services dept. with stand, sand and with a painted M.S. angle structure to be erectd at site with Foundation for same.	1	Set				
13	SITC of Set of 11kV Hand Gloves.	1	Set				
14	SITC of ABC type Fire extingunisher, 5 Kg.capacity,BIS marked. To be erected on wall at suitable location.	2	No.				
15	SITC of First Aid Box with basic medicines, siessor etc complete as per norms, first aid box to be erectd on wall with stand. Shock Treatment chart to be erected on wall at suitable location.	1	Set				
16	SITC of Shock treatment chart in framed teak wood frame and glass in 'Hindi' and 'English' language., first aid box to be erectd on wall with stand. Shock Treatment chart to be erected on wall at suitable location.	1	Nos				

17	SITC of 11kV grade, 1 Mtr. wide rubber matting as per IS 15652 of quality approved by electrical inspectorate including proper fixing on floor.	15	Mtrs				
18	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 plstering on external/exposed surface . Foundation depth of 500 mm is be be considered for the brick wall .	10	CuM				
19	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				
20	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 for the proposed transformer shed	15	CuM				



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21	Charges for dismantling the existing equipment and cable with proper shutdown from NDMC and bank as per site requirement. drawing & all project related approvals from NDMC and liasion for 1000 KVx2 nos. transformer, VCB & all HT related statutory approvals complete as required.	1	Set				
22	<p><u>Liasoning Charges</u> Submission of as-built drawings, arranging inspection and getting safety certificate from CEA, NDMC & other Govt. agencies and all mandatory approvals as required by Bank etc.</p> <p>From the start of work of work and taking shutdown and energizing the system. All the works will be in scope of contractor</p>	1	Job				
23	Less Buyback of Old Transformer/Cable/11 KV OCB/ LT OCB	1	Lumpsum				
Total (Exclusive of GST)							
Note(a)	Transformers, Breaker LT / HT, Protection Relays, 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						