



RAJASTHAN RAJYA VIDHYUT PRASARAN NIGAM LIMITED
OFFICE OF THE ASSISTANT ENGINEER (T&C), BABAI

No.RRVN/AEN/T&C/Babai/Estt/D. 01/2017-18 Dated 02.05.2017

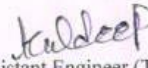
NOTICE INVITING TENDER FOR 33 KV CAP. BANK WORK AT 132 KV GSS MEHADA

Sealed tenders are hereby invited from reputed firms for 33 KV cap. Bank work at 132 KV GSS Mehada. Tender should be handed over personally or by post at the above office. Tender will be accepted upto 3.00 PM of dated 08/05/2017 and will be opened on 08/05/2017 at 4.00 PM. in the presence of tenderers or there representative who may be present

S. No.	Particulars of Item	Qty. to be Executed
01	33 KV CAP. BANK WORK AT 132 KV GSS MEHADA	As per attached G schedule

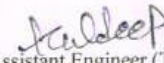
Subject to be following terms & condition-

- 1-The rate prices should be quote by the firm as per attached G schedule.
- 2-Contractor will be liable for any damage during contract period of above said work.


Assistant Engineer (T&C)
RVPN, Babai

Copy submitted/forwarded to the following:-

1. The Superintending Engineer (T&C) RVPN, Babai
2. The Executive Engineer (T&C) RVPN, Babai
3. The Accounts Officer (T&C) RVPN, Babai
4. Notice Board


Assistant Engineer (T&C)
RVPN, Babai

RAJASTHAN RAJYA VIDYUT PRASARAN NIGAM LIMITED
Transmission and Construction Circle, Babai.

G -Schedule for 33 KV Cap.Bank at 132 KV GSS Mehada.
 Ref of BSR -No.RVPN/SE(Contracts-II)XEN-4/F./D. 45 JAIPUR dated 21.04.2017 for erection work at 220 KV
 & 132 KV GSS

S.No	Description	Unit	Rate (Rs.)	Quantity	Amount
I	EARTH MESH WORK				
A-1	Laying of earth mesh with 25/28 mm dia M.S.Rod at a depth of 0.80m from top level of foundations, including excavation of trench of required depth and backfilling of the same, transportation of M.S.Rods from site store to locations, welding of M.S.Rod to M.S.Rod along the length, at the crossing and with earth electrodes as per drawing, application of bitumen compound and covering with bitumen impregnated tape on all welded joint for all the type of soil prevalent at 0.8m below top level of foundations (M.S.Rod of above sizes &M.S.Flat as required shall be made available by RVPN)				
	(a) In case electricity is made available by RVPN without charge				
	ii. Hard soil / Murram / Black Cotton soil	Meter	26.00	215	5590
B-1	Laying of earthing riser of 50x10mm / 50x12mm size M.S.Flat at a depth of 0.8m from the top level of foundations, including excavation of trench of required depth and backfilling of the same, transportation of M.S.Flat from site store to locations preparation of risers bending as per requirement (after heating if necessary), fixing on and welding / bolting to equipments / structure and peaks of structures, laying in the trench, welding to the earth mesh of M.S.Rod as per drawing, including welding of extra length of M.S.Flat if required, application of bitumen compound and covering with bitumen impregnated tape on all welded joints, painting of all surfaces of risers above ground level with red oxide and green paint, for all the type of soil prevalent at 0.8m below top level of foundations (M.S.Rod of above sizes &M.S.Flat as required shall be made available by RVPN)				
	a. In case electricity is made available by RVPN without charge				
	i. Normal dry soil	Meter	27.00	100	2700
	ii. Hard soil / Murram / Black Cotton soil	Meter	28.00	155	4340
C-1	Placing / Driving of earth electrodes of 25/28mm dia M.S.Rod of length 3.30 meter (approx) to a depth of 3.80 meter from the top level of foundations, including excavation of pit as required and back filling of the same, transportation of M.S.Rod from site store to locations cutting of M.S. Rod to desired length, preparation of one end as spike if necessary, welding of earth electrodes to earth mesh of M.S.rod as per drawing, application of bitumen compound and covering with bitumen impregnated tape on all welded joints, painting of all surfaces of risers above ground level with red oxide and green paint, for all the type of soil prevalent at 3.8m below top level of foundations (M.S.Rod of above sizes &M.S.Flat as required shall be made available by RVPN)				
	(a) In case electricity is made available by RVPN without charge				
	ii. Hard soil / Murram / Black Cotton soil	Nos.	333.00	10	3330

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2	ERECTION OF SUBSTATION STEEL STRUCTURE columns, beams lighting mast and equipment structures (excluding circuit Breakers and Capacitor Banks) of all type including transportation of structure member, nuts & bolts, washers, etc. from site store to locations, their assembly, placing on foundation, fixing of template, with foundation bolts as required, leveling and preparing for grouting as required, but excluding grouting, erection after grouting and tightening & punching of nuts & bolts.(Maximum height of structures upto 20 meters)	- MT	2321.00	4	9284
3	BUS BAR WORK				
A	STRINGING of 220,132,33 & 11 KV bus bar of ACSR conductor including transportation of conductor, disc isolator and tension hardware from site store to location, laying and cutting required length of conductor, cleaning and assembly of disc insulator as required along with fitting of bolted type or compression type tension hardware as made available (compression machine shall be provided by RVPN on rent free basis), making up at one end, stringing of conductor between the beams with i) Single ACSR panther	section	1165.00	1	1165
B	JUMPERS of ACSR conductor (3 nos. Y-type) between bus to equipment, or between equipment to equipment or between bus to bus, including transportation of conductor, disc insulator and hardware from site store to location, cleaning and assembly of disc insulator as required along with fitting of suspension hardware and erection as required, cutting required length of conductor, making connection, fixing of spacer & spacer T- clamp as required, tightening of clamps/ connectors, dressing etc., for three phase. i) Single ACSR Zebra/ panther conductor	set	333.00	12	3996
4	STRINGING of earth wire (size 7/3.15mm of 7/4.00 mm), including transportation of earth wire, tension hardware, etc from site store to locations, laying and cutting required length of earth wire, fitting of bolted type of compression type hardware as made available (compression machine shall be provided by RVPN on rent free basis), making up at one end, stringing of earth wire between structure peaks with specified sag and tension, jumpering and connecting earth bonds for single earth wire.	Each	292.00	2	584
B	Erection of current transformer/ potential transformer / capacitive voltage transformer / series reactor / residual voltage transformer / neutral current transformer with clamps & connectors, on already erected steel structure including transportation from site store to location. fabrication of base frame, fixing of terminal connection, tightening of nuts & bolts etc. complete in all respects. iii) 33 KV or 11 KV CT/PT	Nos.	532.00	3	1596
D	Erection of isolators on already erected steel structure including transportation of base frame, P.Is, contacts, mechanism-box, clamps & connectors etc. from site store to location, minor fabrication as required, and fixing of terminal connectors, for their smooth operation and final adjustment if required after jumpering. iii) 33 KV or 11 KV a) without earth blade b) with single earth blade	Nos.	916.00	1	916
		Nos.	1364.00	2	2728

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F	Erection of 2x33 KV or 2x11 KV Capacitor Bank with Series Reactors & Residual Voltage Transformer/ Neutral Current Transformer, including transportation of equipments, structure members, nuts & bolts, washers, clamps & connectors etc. from site store to location, assembly of structure, their placing on foundation, leveling and preparing for grouting as required, but excluding grouting, assembly of capacitor bank cells on frames as required & their connections as per manufacturers drawings, fixing of terminal connectors, etc.	Each	18466.00	1	18466
H	Erection of 33 KV or 11 KV Circuit Breaker, including transportation of equipment, structure members, nuts & bolts, clamps & connectors, accessories etc. from site store to location, assembly of support structure their placing on foundation, leveling and preparing for grouting as required, but excluding grouting, assembly/ placing of support poles, mechanism box etc. on support structure as per manufacturers drawing, fitting of terminal connectors, etc. but excluding commissioning of CB.	Nos	7404.00	1	7404
	i) 33 or 11 KV outdoor type (VCB/SF-6)				
I	Erection of Post Insulator on already erected structure including transportation of P.I's, nuts & bolts, clamps & connectors, etc. from site store to location, fabrication of base frame & assembly if required, fixing of clamps, etc.	Nos.	75.00	12	900
	iii) 33 or 11 KV				
6	Erection of Control & Relay Panels complete in all respect including transportation from site store to control room, placing on foundation/ cable trench as per layout, interconnection between Control & Relay Panels and with existing panels, fixing of side/ top cover and doors, earthing to existing earth strip in control room, connection of bus wiring to existing panel and between Control & Relay panel as required.	Nos.	632.00	1	632
	iii) Simplex panel, DC panel, RTCC panel, PLCC panel etc.				
7	Erection of marshalling kiosk / line matching unit (LMU)/ line matching & distribution unit (LMDU) complete in all respect including transportation from site store to location, placing on foundation/ cable trench as per layout, preparing for grouting of foundation bolts but excluding grouting, etc.	Nos.	192.00	1	192
	ii) 33 or 11 KV Marshalling Kiosk				
10	LAYING AND TERMINATION OF CABLES				
A.	Control cables				
	i) laying of PVC insulated unarmoured /armoured control cable of 1.1 KV grade with copper conductor in cable trenches as per specification as required, including transportation of cable drums from site store to locations, laying in cable trenches, cutting to required length, placing them on cable racks/ cables trays/ cable batten & dressing, including removing and re-fixing trench cover as required, making necessary connection, testing, cable marking on both the terminating ends, etc. as required for all sizes from 2x2.5 sq. mm. to 20x2.5 sq. mm, 4x4 sq. mm and 4x6 sq. mm.	Meters	5.00	1100	5500
	a) Unarmoured control cable	Total	Rs.		69323

(Rs. Sixty nine thousand three hundred twenty three Rupees Only)

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Assistant Engineer (T&C)
RVPNL, Babai