

RAJASTHAN RAJYA VIDYUT PRASARAN NIGAM LIMITED



Corporate Identity Number (CIN) : U40109RJ2000SGC016485

Regd. Office: Vidyut Bhawan, Jyoti Nagar, Jaipur-302005

OFFICE OF THE EXECUTIVE ENGINEER (T&C)

132 KV GSS Campus Sindhari Road, BARMER-344001

Telephone No. 02982-221178

Email Address: - xen.cm.barmer@rvpn.co.in

website: -rvpn.co.in

No- RVPN/XEN/ T&C/BME /Estt./F-40 / D. 133 Dated. 01.06.2017

LIMITED TENDER No. 08/2017-18


For Erection work of Sub-station structure, Bus-Bar, Equipments and Earthing work for Installation of 33 KV, 5.43 MVAR Cap. Bank at 132 KV GSS Sheo. Tender shall be received up to 2.00PM on 13.06.17 and shall be opened at 3.00PM on the same day in presence of bidders who choose to be present at that time. The G schedule of the work Erection work of Sub-station structure, Bus-Bar, Equipments and Earthing work for Installation of 33 KV, 5.43 MVAR Cap. Bank at 132 KV GSS Sheo is enclosed. All the enclosed documents shall be returned duly filled up with signature/date/seal on each page.

1. Specification No.: - RVPN/XEN/T&C/NIT-08/2017-18
2. Name of work: - Erection work of Sub-station structure, Bus-Bar, Equipments and Earthing work for Installation of 33 KV, 5.43 MVAR Cap. Bank at 132 KV GSS Sheo
3. Estimate Cost: - Rs. 70086.81
4. Completion period: - 45 Days
5. Due Date of Open: - Tender should reach this office by 2.00PM on dt.13.06.17 & shall open on the same day at 3.00PM
6. Earnest money: - @2% i. e. Rs. 1410.00 should be deposited before 2.00PM on dated 13.06.17 through demand draft/ Cash in favor of AO (T&C), RVPN, Barmer/ Executive Engineer (T&C), RVPN, Barmer

TERMS AND CONDITIONS FOR WORK


1. The tender should be addressed to the Executive Engineer (T&C), RVPN, having office at 132 KV GSS Campus Sindhari Road, Barmer. Email id is xen.tnc.barmer@rvpn.co.in and contact No. is 9414061192, Sh. K. L. Gajraj XEN (T&C), RVPN, Barmer
2. The tender shall be submitted in closed/sealed envelope duly super scribe as "Tender for Erection work of Sub-station structure, Bus-Bar, Equipments and Earthing work for Installation of 33 KV, 5.43 MVAR Cap. Bank at 132 KV GSS Sheo. The under does not blind himself to accept the lowest or any other tender and Reserve the right to reject any or all tender's without assigning any reason thereof
3. The quoted rates shall be valid for 120 days from the date of opening tenders.
4. The work shall be completed as per "G" schedule within 45 days from the date of placing of work order/LOI or within 10 days after issue of complete material, whichever is later.
5. 90% payment shall be arranged/released as per Nigam's payment policy on completion of work as per specification through RTGS by the Accounts Officer (T&C), RVPN, Barmer after receipt of verified bills/Invoice by the consignee.
6. All addition and/or alterations in the tender must be clearly initialed.

LIMITED TENDER


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7. The Rate's should be quoted the FIRM prices inclusive of all taxes and duties, insurance, and other related cost both in words and figures.
8. Tender received late due to any reason or which are incomplete shall not be accepted for consideration.
9. Quantity of items may vary at the time of placement order.
10. Balance 10 % payment will be released after Three month from the date of satisfactory completion of work.

Encl: As Above


01.6.2017


(Er. K. L. Gajraj)

Executive Engineer (T&C)

RVPN, Barmer

Copy submitted/forwarded to the following for information & necessary action please.

1. The Zonal Chief Engineer (T&C), RVPN, Jodhpur
2. The Superintending Engineer (T&C), RVPN, Barmer/Jodhpur/Bikaner/Jaisalmer/Sirohi/Ramgarh/Kakani/Bhadla/Ratangarh
3. The Accounts Officer (T&C), RVPN, Barmer with requested to please instruct to your any Representative to attend this office on the date i.e 13.06.17 of opening of the tender
4. The Assistant Engineer (T&C), RVPN, Barmer/Balotra.
5. The Feeder Manager (T&C), RVPN, Sirohi along with details of LIMITED TENDER and G Schedule to upload on Nigam website
6. Notice Board


01.6.2017

Executive Engineer (T&C)

RVPN, Barmer

RAJASTHAN RAJYA VIDYUT PRASARAN NIGAM LIMITED

An ISO 9001-2008 Certified Company

G Schedule for Installation of 33 KV, 5.43MVAR Capacitor Bank Ist Unit at 132KV GSS Sheo

Code No	DESCRIPTION	UNIT	RATE	QTY	AMOUNT
1	<u>EARTH MESH WORK</u>				
A-1	Laying of earth mesh work with 25/28 mm dia, M.S. Rod at depth of 0.80 meter from top of foundation including, excavation of trench of required depth and back filling of the same transportation of M.s Rod from site store to location, welding of M.S Rod along the length at crossing and with earth electrode as per drawing application of bitumen compound and covering with bitumen impregnated tape on all welded joints, for the type of soil prevalent at 0.80metre below top level of foundation(M.S Rod of above sizes & M.S Flat required shall be made available by RVPN.				
	a)In case electricity is made available by RVPN without charges				
	i)Normal dry soil	Meter	24	150	3600.00
B-1	Laying of ear thing risers of 50x6mm/50x10mm/50x12mm size M.S Flat at a depth of 0.80 meter from top level of foundation ,including excavation of trench of required depth and black filling of the same ,transportation of M.S Flat from site store to location preparation of risers ,bending as per requirement (after heating if necessary), fixing on and welding /bolting to equipment /structure abd oeajs if structures, laying in the trench, welding to the earth mesh of M.S Flat if required ,application of bitumen compound and covering with bitumen impregnated tape on all welded joints ,painting of all surface of risers above ground level with red oxide and green paint for the type of soil prevalent at 0.80 & meter below top level of foundation (M.S pod of above sizes &M.S flat as required shall be made available by RVPN				
	a)In case electricity is made available by RVPN without charges				
	i)Normal dry soil	Meter	27	200	5400.00
C-1	placing drawing of earth electrode of 25/28mm dia M.S. Rod of length 3.30 metre to a depth of 3.80 from top of foundation including, excavation of pit of required depth and back filling of the same transportation of M.s Rod from site store to location,cutting of M.S Rod to desired length preparation of one end as spike if necessary, welding of earth electrode to earth mesh M.S.Rod as per drawing application of bitumen compound and covering with bitumen impregnated tape on all welded joints, for the type of soil prevalent at 3.80metre below top level foundation(M.S Rod of above sizes & M.S Flat required shall be made available by RVPN.				
	a)In case electricity is made available by RVPN without charges				
	i)Normal dry soil	Nos	200	6	1200.00

Handwritten signature

Code No	DESCRIPTION	UNIT	RATE	QTY	AMOUNT
2	ERECTION OF SUB-STATION STRUCTURES columns, beams ,lighting mast and equipment structure(excluding circuit breaker and nuts &bolts, washers etc from site store to location their assembly, placing on foundation, fixing of template, with foundation bolts as required leveling and preparing for for grunting as required but excluding grunting erection after granting and tightening & punching of nuts &bolts.				
	(Maximum height of structures up to 20 meter)	MT	2321	4.0611	9425.81
3	BUS- BAR WORK				
A	STRINGING OF 220KV, 132KV, 33KV& 11KV bus bare of ACSR conductor , including transportation of conductor ,disc insulator and tension hardware from site store to location laying and cutting required length of conductor, cleaning and assembly of disc insulator as tension hardware as made available (compression machine shall be provided by RVPN on rent free basis)making up at one end, stringing of conductors between the beams with specified sag and tension ,also equalizing sag and fitting spacer T-clamps for twin conductor for three plates of conductors in each bus-section ,				
	i) Single ACSR Panther	Sec	1165	1	1165.00
B	JUMPERS OF ACSR CONDUCTOR (3NOS Y- type) between bus to equipment or between equipment to equipment or between bus, including transportation of conductor ,disc insulators 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 length of conductor making connection ,fixing of a pacers & spacer T- Clamps as required ,tightening of clamps/ conductors, dressing etc, for three phases.				
	i) Single ACSR Zebra/Panther Conductor	Set	333	16	5328.00
4	STRINGING of earth wire (size 7/3.15mm or 7/4.00mm) including transportation of earth wire, tension hardware's Etc, from site store to location laying and cutting required length of earth wire flitting of bolted type or compression type hardware as made available (compression machine shall be provided by RVPN rent free basis) making up at one end stringing of earth wire between structure peaks with specified sag and tension ,jumping and connecting earth bonds single earth wire				
		Each	292	1	292.00
B	Erection of current transformer/potential transformer/ capacitive voltage transformer/ series reactor/RVT/NCT with clamp & connectors, on already erected steel structure including transportation from site store to location, fabrication of base fram ,fixing of terminal connectors ,tightening of nuts & bolts etc , complete in all respect.				
	iii) 33KV or 11KV CT/PT	Nos	532	3	1596.00

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Code No	DESCRIPTION	UNIT	RATE	QTY	AMOUNT
D	Erection of isolators on already erected structure including transportation of base frame ,P contacts mechanism box clamps & connectors etc, from site store to location ,minor fabrication as required ,and fixing of terminal connectors, etc Adjustment /alignment of isolator and its earth blade ,if provided for their smooth operation and final adjustment if required after jumpering.				
	iii)33KV&11KV				
	a)Without Earth blade	Nos	916	1	916.00
	b)With Single Earth Blade	Nos	1364	2	2728.00
F	Erection of 2x33KV or 2x11KV capacitor Bank ,with series reactor &residual voltage transformer /neutral current transformer ,including transportation of equipment ,structure member ,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 cell on frame as required & their connection as per manufacturer's drawings fixing of terminal connectors etc.	Nos	18466	1	18466.00
H	Erection of 33KV or 11KV circuit breaker , including transportation of equipment, structures member ,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 of support structure as per manufacturers drawing. Fitting of terminal connectors etc, but excluding commissioning of CB ,all type of operating mechanism, as required.				
	i)33KV or 11KV Outdoor type (VCB/SF6)	Nos	7404	1	7404.00
I	Erection of Post Insulators 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.				
	iii)33KV or 11KV	Nos	75	6	450.00
6	Erection of Control & Relay panel complete in all respect, including transportation from site store to control room , placing on foundation /cable trench as per layout, interconnection between control & relay panel and with existing panel fixing of site /top covers and doors earthing to existing earth strip in control room, connection of bus wiring to existing panel and between control and relay panel as required.				
	iii) Simplex panel, Dc panel, RTCC panel, PLCC panel, etc	Nos	632	1	632.00
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.				
	ii) 33KV /11KV Marshalling Kiosk	Nos	192	1	192.00

Code No	DESCRIPTION	UNIT	RATE	QTY	AMOUNT
10	LAYING AND TERMINATION OF CABLES:				
A	Control Cable:				
	i) Laying of P.V.C insulated unarmoured / armored control cable of 1.1KV 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/cable trays /cable batten & dressing, including removing and re-fixing trench covers as required making necessary connections, testing, cable marking on both the terminating ends, etc. as required for all sizes from 2cx2.5mm to 20cx2.5mm 4x4 mm and 4cx6mm.				
	a) Unarmoured control cable	Meter	5	1800	9000.00
	ii) Fixing of control cable in position with single compression nickel plated brass cable glands conforming to IS :12943 & having three matel washers and one rubber ring, including preparation of cable and drilling of corresponding holes in gland plates etc. as required, & including cost of cable glands, for each cable gland of size.				
	a) 19mm unarmoured control cable	Nos	44	20	880.00
	c) 25mm unarmoured control cable	Nos	67	4	268.00
	iii) Termination of wires of cables with copper conductor using copper terminal ends (pin or ring type) as required of Dowell's or equivalent make as approved by the Engineer -in- charge duly crimped with crimping tool, including making wire ends ready for crimping, ferruling & dressing of wires etc. as required, including cost of material ends for all wires, for each cable at both ends for cables of the following sizes.				
	a) 2x2.5mm	Each	21	6	126.00
	b) 3x2.5mm	Each	32	6	192.00
	f) 12x2.5mm	Each	128	2	256.00
	In case all the wires of any cable are not got terminated, then a deduction at the rate Rs 6.00 shall be made for each end of wires not terminated.				
	i) 4x4mm	Each	57	10	570.00
	In case all the wires of any cable are not got terminated, then a deduction at the rate Rs 7.00 shall be made for each end of wires not terminated.				
TOTAL					70086.81

(Rs. Seventy Thousand Eighty Six & paise 81 only)

Place: -----

Signature:-----

Dated-----

Name of Firm:-----



Executive Engineer (T&C)
RVPN, Barmer



Assistant Engineer (T&C)
RVPN, Barmer