



RAJASTHAN RAJYA VIDYUT PRASARAN NIGAM LTD.
[Corporate Identity Number (CIN) U40109RJ2000SGC016485]
OFFICE OF THE EXECUTIVE ENGINEER (T&C), RVPN, KANKANI,
NEW POWER HOUSE, JODHPUR

Email: xen.cm.jodhpur@rvpn.co.in, Mob. No. 9414061546

No. RVPN/XEN/T&C/KANKANI/F. /TECH/CASH/ESTT/ D. 230 DATED 14.08.2017

Short term Tender No. 5 (2017-18)

The tender as per G- schedule is invited from experienced Contractors for Construction work of 2No. 33 KV bay work (**Erection work of sub-station structure, Bus Bar, Equipment and Earthing & jumpering work etc.**) at **220 KV GSS RVPN BHOPALGARH**. Tender will be received by this office from 2:00PM Dated 14.08.2017 and submitted on any working day upto 3:00 PM Dated 21.08.2017. Tender shall be opened on Dated 22.08.2017 at 4:00 PM in the presence of bidders who choose to be present at that time.

G-Schedule BSR AS ON 21.04.2017 of erection work of Sub Station structure, Bus Bar, Equipment and Earthing & jumpering work etc. (complete Construction work of 2 Nos 33 KV Bay) at **220 KV GSS RVPN BHOPALGARH** is enclosed.

All the enclosed documents shall be returned dully filled up with signature /date /seal on each page.

1. Specification No:- RVPN/XEN/T&C/short term NIT.
2. Name of work: - Erection work of sub-station structure, Bus Bar, Equipment & earthing & jumpering work etc. for Installation of 2 Nos 33 KV bay at 220 KV GSS Bhopalgarh
3. Estimate Cost: - Rs 83517.00
4. Bid security @ 2%:-1670.00 (to be deposited at AO (T&C) Kankani up to 3:00 pm Dated 21.08.2017)
5. Work Completion period: - 60 Days or within 15 days after last issue Material, Whichever later.
6. Opening date:-22.08.2017 at 4:00 PM

Term and conditions

1. Tender should be addressed to the Executive Engineer (T&C) Kankani having office at NPH Premises new 220kV GSS control room building Jodhpur in sealed envelope indicated clearly the NIT No.
2. The rate quoted by the tenderer/ firm will be inclusive of all type of labour charges and other related levies etc. as applicable but exclusive of GST/service tax, insurance. The tenderer does not bind to RVPN for accepting the lowest or any other tender and RVPN reserves the Right to reject any or all tenders without assigning any reason thereof.

3. All material supplied by RVPN at site camp store at 220 KV GSS RVPN Bhopalgarh. Transportation up to site location will be borne by the Contractor. Quoted rates shall be valid for 120 days from the date of opening of tender.

4. The work shall be completed within stipulated period failing which penalty @ 0.5% per week, but maximum to 5% of cost of the work not completed/ Late shall be liable to be imposed.

5. The department /RVPN shall not be responsible for any injury inflicted to your Worker engaged in Construction work and damage to existing yard and equipment .All compensation /Medical aid etc will be to the contractor Account.

6. After Completion of work Contractor will submitted the bill in triplicate to the Engineer incharge. The payment shall be arrange/released as per Nigam payment policy by the AO (T&C) Kankani after deduction made as per rules after receipt of verified bills/invoice by the consignee/in charge Engineer.

7. Work quantity of items may vary at the time of placement of order.
The contractor/firm confirms to agree to adhere to all terms and conditions as well as technical specifications.

Enclosed:-G-Schedule

Signature of contractor with date & seal


(S.C. Meena)
EXECUTIVE ENGINEER (T&C)
KANKANI RVPN JODHPUR

Copy to the following for kind information and further necessary action please.

(1) The Zonal Chief Engineer (T&C) RVPN Jodhpur

(2)The Superintending Engineer (T&C), RVPN, Kankani .with request to kindly Arrange to upload on SPP web site.

(3) Assistant Engineer (T&C) Kankani/Pali with direction to attend this office on dated i.e. 22.08.2017 for opening of Tender.

(4) Accounts officer kindly arrange to attend this office on dated 22.08.2017 for opening of the tender.

(5) Feeder Manager O/O SE (T&C) Jodhpur along with details of Tender and

“G”-Schedule for up load on RVPN website

(6) Notice Board.


(S.C. Meena)
EXECUTIVE ENGINEER (T&C),
KANKANI RVPN, JODHPUR

RAJASTHAN RAJYA VIDYUT PRASARAN NIGAM LTD
 G-Schedule for erection of 23,33KV Feeders at 220 KV GSS Bhopalnagar As per BSR 01 04 2017
WBS ELEMENT AUCR/16.10

Cod	Description	Unit	SAP Code	Rate	Qty	Amount
1	2		3	4	5	6
1	EARTH MESH WORK					
1	EARTH MESH WORK					
A	Laying of earth mesh with 25mm/28mm dia M.S. Rod at depth of 0.80 metre from top of foundation 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 along the length, at crossings and with earth electrodes as per drawing application of bitumen compound and covering with bitumen impregnated tape on all welded joints, for the type of soil prevalent at 0.80 metre below top level of foundations (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	Metres	PRJ1238	24 00	75	1800 00
	ii) Hard soil/Murram/B-acl cotton soil	Metres	PRJ1239	26 00	70	1820 00
	iii) Soft Rock	Metres	PRJ1240	35 00	75	2625 00
B	Laying of earthing risers of 50x6mm/50x10mm/50x12mm size M.S. Flat at a depth of 0.80 metre from 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 location preparation of risers, bending as per requirement (after heating if necessary), fixing on and welding/bolting to equipment/structure and caps 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 surface of risers above ground level with red oxide and green paint, for the type of soil prevalent at 0.80 metre 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 charges					
	i) Normal dry soil	Metres	PRJ1258	27 00	70	1890 00
	ii) Hard soil/Murram/B-acl cotton soil	Metres	PRJ1259	28 00	60	1680 00
	iii) Soft Rock	Metres	PRJ1260	38 00	60	2280 00
C	Placing/Driving of earth electrode of 25/28mm dia M.S. Rod of Length 3.30 meters (approx) to a depth of 3.80 meters from the top level of foundation 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 electrode to earth mesh of 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 3.80 meters below top level 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 charges					
	i) Normal dry soil	Nos	PRJ1278	200 00	2	400 00
	iii) Soft Rock	Nos	PRJ1280	532 00	4	2128 00
2	ERECTION OF SUB-STATION STEEL STRUCTURES -columns, Beams, lighting mast and equipment structures (excluding Circuit Breakers and nuts & bolts, washers etc from site store to locations Their assembly, placing on foundation, fixing of template, with 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 up to 20 meters)	MT	PRJ1306	2321 00	3 000	6963 00
3	BUS-BAR WORK:					
A	STRINGING of 220KV,132KV, 33KV & 11KV Bus Bar of ACSR conductor , including transportation of conductor, disc, Insulator and terminal hardware from site stores to locations laying. And cutting required length of conductor, cleaning and assembly of disc insulators 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 conductors between the beams with specified sag and tension, also equalizing sag and fitting spacer T-Clamps for twin conductor for three phases of conductors in each bus-section					
	i) Single ACSR Panther	Section	PRJ1307	1165 00		1165 00

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B	JUMPERS OF ACSR conductor (3 nos V- type)between bus To equipment or between equipment to equipment or between bus, including transportation of conductor, disc insulators and hardware from site stores to locations, cleaning and assembly of disc insulators as required along with fitting of suspension hardware and erection as required, cutting required length of conductor making connections, fixing of spacers & spacer T-Clamps as required, tightening of clamps/connectors, dressing etc. for these phases					
	i) Single ACSR Zebra/Panther Conductor	Set	PRJ1312	333 00	18	5994 00
	ii) Double Zebra	Set	PRJ1313	625 00	2	1250 00
4	STRINGING of Earth wire(size 7/315 mm or 7/411mm) Including transportation of earthwire, tension hardware. Etc from site store to locations, laying and curing required Length of earthwire,fitting of bolted type or compression Type hardware as made available (compression machine Shall be provided by RPN on rent free basis) making up at One end stringing of earthwire between structure peaks with Specified sag and tension, jumpersing and connecting earth floods for single earthwire	Each	PRJ1316	292 00	2	584 00
5	ERECTION OF SUB-STATION EQUIPMENTS:					
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 transport-Tation of base frame,fixing of terminal connectors,tightening of nuts & bolts etc. complete in all respect					
	iii) 33KV or 11KV CT/PT	Nos	PRJ1321	532 00	6	3192 00
D	Erection of Isolators on already erected steel structure Including transportation of base frame,P contacts mechanism Box clamps & connectors etc from site store to locations,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 Jumpersing					
	iii) 33KV & 11KV					
	a) Without Earth Blade	Nos	PRJ1333	916 00	4	3664 00
	b) With Single Earth Blade	Nos	PRJ1334	1364 00	2	2728 00
II	Erection of 33KV or 11 KV Circuit Breakers including transport- Tation of equipment, structure members nuts & bolts clamps &Connectors 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 Poles, mechanism box etc on support structure as per manufacturer's Drawings fitting of terminal connectors, etc but excluding Commissioning of CB					
	i) 33KV or 11KV Outdoor Type (VCB/SF 6)	Nos	PRJ1340	7404 00	2	14808 00
6	Erection of Control & Relay Panels complete in all respect, Including transportation from site store to control room, placingOn foundation/cable trench as per layout, interconnection between Control & Relay panels and with existing panels fixing of site/lap Covers and doors earthing to existing earth strip in control room. And relay panel as required					
	iii) Simplex Panel, DC Panel,RTCC Panel,PLCC Panel etc	Nos	PRJ1353	632 00	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					
	i) 33KV or 11KV Marshalling Kiosk		PRJ1356	192 00	1	192 00
10	LAYING AND TERMINATION OF CABLES:					
A	Control Cable:					
	i) Laying of P V C insulated unarmoured/ armoured control cable of 11 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/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 2c x 2.5 sq mm to 20c x 2.5 sq mm nd 4c x 6 sq mm					
	ii) Unarmoured control cable	Metres	PRJ1381	5 00	4000	20000 00
	ii) Fixing of control cable in position with single compression nickel plated brass cable glands conforming to IS- 12943 & having three metal washers and					
	iii) 19mm unarmoured control cable	Nos	PRJ1383	44 00	20	880 00
	ii) 25mm unarmoured control cable	Nos	PRJ1385	67 00	48	3216 00

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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 terminal ends for all wires, for each cable at both ends for cables of the following sizes					
c) 4c x 2.5 sq mm	Each	PRJ1391	43.00	30	1290.00
f) 12c x 2.5 sq mm	Each	PRJ1394	128.00	4	512.00
In case all the wires of any cable are not got terminated, then a deduction at the rate Rs 4.00 shall be made for each end of wires not terminated					
i) 4c x 4.0 sq mm	Each	PRJ1397	57.00	32	1824.00
In case all the wires of any cable are not got terminated, then a deduction at the rate Rs 5.00 shall be made for each end of wires not terminated wires not terminated					
Total					83517.00

Rupees Eighty Three Thousand Five Hundred Seventeen Only

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**ASSISTANT ENGINEER (T&C)
KANKANI RVPN JODHPUR**

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**XEN (T & C) RVPN
 KANKANI, JODHPUR**