

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. 487 Dated. 17.02.17

M/s Jakhar Construction Company
V/P- Nand, Barmer

M/s Vair Mata Electric Works
Chohtan, Barmer

M/s Bharat Electricals
65, Digvijay Nagar, Pal Road, Jodhpur

M/s Shree Bhairavnath Enterprises
141, Ashapura city, Pal Road, Jodhpur

M/s Bajrang Electricals,
Janta Market, Mokalsar (Distt-Barmer)

M/s Vinayak Enterprises
Opp. Bharat International School,
New Nirmaan Nagar, Jaipur

M/s Salochana Suppliers & Contractors
Barmer

M/s Hitech Engineers & Contractors
Shiv Road, Barmer

LIMITED TENDER No. 07/2016-17

For Erection work of Sub-station structure, Bus-Bar, Equipments and Earthing work for Const. of 33 KV bay at 132 KV GSS Undoo. Tender shall be received up to 2.00PM on 27.02.17 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 Const. of 33 KV bay at 132 KV GSS Undoo. 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/ SHORT TERM NIT
2. Name of work: - Erection work of Sub-station structure, Bus-Bar, Equipments and Earthing work for Const. of 33 KV bay at 132 KV GSS Undoo.
3. Estimate Cost: - Rs. 35457.00
4. Completion period: - 45 Days
5. Due Date of completion: - 27.02.17at 3.00PM
6. Earnest money: - @2% i. e. Rs. 710.00 should be deposited before the time of opening tender through demand draft in favor of AO (T&C), RVPN, Barmer


TERMS AND CONDITIONS FOR SUPPLY

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

(Signature)
17.2.2017

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 Const. of 33 KV bay at 132 KV GSS Undoo. 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.
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


17.2.2017

(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 27.02.17 of opening of the tender
4. The Assistant Engineer (T&C), RVPN, Barmer
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


17.2.2017

Executive Engineer (T&C)
RVPN, Barmer

RAJASTHAN RAJYA VIDYUT PRASARAN NIGAM LTD

G - Schedule for Construction of 33KV Bay for Savau Padam Singh at 132KV GSS Undoo (Under Augmentation work 2016-17)

CODE NO.	DESCRIPTION	Unit	SAP code	Rate	Qty	Amounts
1	2	3	4	5	6	7
1	<u>EARTH MESH WORK</u>					
A.1	Laying of earth mesh with 25mm/28mm dia, M.S. Rod at depth Of 0.80 meter from top of foundation including excavation of Trench of required depth and backfilling of the same transport- tion of M.S.Rod 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 meter 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	Meter	PRJ1238	18.00	255	4590.00
B.1	Laying of earthing risers of 50x6mm/50x10mm/50x12mm size M.S.Flat at a depth of 0.80 meter 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 abd oeajs if 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 meter 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	Meter	PRJ1258	20.00	250	5000.00

(Handwritten signature)

CODE NO.	DESCRIPTION	Unit	SAP code	Rate	Qty	Amounts
1	2	3	4	5	6	7
C.1	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	150.00	2	300.00
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	1744.00	2.75	4796.00
3	BUS-BAR WORK:					
B.	JUMPERS OF ACSR conductor (3 nos Y- 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 three phases.					
	i) Single ACSR Zebra/Panther Conductor	Sets	PRJ1312	250.00	7	1750.00
5	ERECTION OF SUB-STATION EQUIPMENTS:					

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CODE NO.	DESCRIPTION	Unit	SAP code	Rate	Qty	Amounts
1	2	3	4	5	6	7
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	400.00	3	1200.00
C.	Erection of Lightning Arrestor on already erected steel structure Including transportation of Lightning Arrestor, clamps & connectors Surge counter etc. from site store to locations fabrication of base frame Fixing of terminal connectors, surge counter, tightening of nuts and Bolts etc. complete in all respect.					
	iii) 33KV or 11 KV	Nos	PRJ1325	238.00	3	714.00
D	Erection of Isolators on already erected steel structure Including transportation of base frame 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 Jumpering.					
	ii) 33KV & 11KV					
	a) Without Earth Blade	Nos	PRJ1333	688.00	2	1376.00
	b) With Single Earth Blade	Nos	PRJ1334	1025.00	1	1025.00
H.	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 11KVV Outdoor Type (VCB/SF 6)	Nos	PRJ1340	5563.00	1	5563.00

Signature

CODE NO.	DESCRIPTION	Unit	SAP code	Rate	Qty	Amounts
1	2	3	4	5	6	7
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 site/top 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	475.00	1	475.00
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 or 11KV Marshalling Kiosk	Nos	PRJ1356	144.00	1	144.00
10	<u>LAYING AND TERMINATION OF CABLES:</u>					
A.	Control Cable:					
	i) Laying of P.V.C 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/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.					
	a) Unarmoured control cable.	Mtr	PRJ1381	4.00	1725	6900.00
	ii) Fixing of control cable in position with single compression nickel plated brass cable glands confirming to IS: 12943 & having three metal 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	PRJ1383	33.00	24	792.00
	c) 25mm unarmoured control cable	Nos	PRJ1385	50.00	4	200.00

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CODE NO.	DESCRIPTION	Unit	SAP code	Rate	Qty	Amounts
1	2	3	4	5	6	7
	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.					
	b) 3c x 2.5sq.mm	Each	PRJ1390	24.00	4	96.00
	f) 12c x 2.5 sq.mm	Each	PRJ1394	96.00	2	192.00
	In case all the wires of any cable are not got terminated, then a deduction at the rate Rs.3.00 shall be made for each end of wires not terminated.					
	i) 4c x 4.0 sq.mm	Each	PRJ1397	43.00	8	344.00
	In case all the wires of any cable are not got terminated, then a deduction at the rate Rs.3.00 shall be made for each end of wires not terminated wires not terminated.					
TOTAL AMOUNT IN Rs.						35457.00



Executive Engineer (T&C)
RVPN, BARMER




ASSISTANT ENGINEER (T&C)
RVPN BALOTRA