



RVPN
An ISO 9001:2008
Certified Company

RAJASTHAN RAJYA VIDYUT PRASARAN NIGAM LIMITED
(Reg. Office: Vidyut Bhawan, Janpath, Jyoti Nagar, Jaipur-302 005)

OFFICE OF SUPERINTENDING ENGINEER (T&C)

Merta City, Nagaur- 341510, Telephone No.01590-220141

Fax No.220141, E-mail: se.tnc.merta@rvpn.co.in

No. RRVPNL/SE/T&C/MTC/Tech./F. /D. 2509 Dated: 21.11.2017

Limited Notice Inviting Bid- 14/2017-18

Sealed bids are invited from reputed and eligible contractors/firms for Erection work of Sub-station structure, Bus-Bar, Equipments and Earthing work etc. for Installation of 2 nos. 33 KV bays at 132 KV GSS Gogelaw (Nagaur) under deposit work of PHED .

S.No.	Particular	Detail
1	Specification No.	RVPN/SE/T&C/NIB- 14 /2017-18
2	Name of Work	Erection work of Sub-station structure, Bus-Bar, Equipments and Earthing work etc. for Installation of 2 nos. 33 KV bays at 132 KV GSS Gogelaw (Nagaur) under deposit work of PHED
3	Estimated Cost	Rs 68,056.00
4	Bid Cost	Rs 100+18(GST)=118
5	Bid Security	NIL
6	Validity Period of Offer	120 Days
7	Start Date of Sale of Specification of Bid	21.11.2017 w.e.f. 11:00 AM
8	Last Date for sale of Specification	28.11.2017 up to 2:00 PM
9	Last Date for submission of Bid	28.11.2017 up to 3:30 PM
10	Due Date of Opening of Bid with place	28.11.2017 at 4:00 PM in the office of SE(T&C), RVPN, Merta City
11	1 st Appellant Authority	Zonal Chief Engineer(T&C-A/Z), RVPN, Ajmer having office at 220 KV GSS Madar Rest house premises Ajmer-305007
12	2 nd Appellant Authority	Director (Technical), RVPN, Jaipur having office at Vidyut Bhawan, Janpath, Jyoti Nagar, Jaipur-302 005
13	Bid Cost Receipt No.Date.....

Encl.:-G-Schedule, Relevant price schedule with terms & condition.

21/11/2017
Superintending Engineer (T&C)
RVPN, Merta City (Nagaur)

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

1. The Chief Engineer (T&C), RVPN, Ajmer with the request to display a copy of NIB on the notice board of his office.
2. The Superintending Engineer (T&C), RVPN,with the request to display a copy of NIB on their notice board.
3. The Executive Engineer (400KV GSS/220KV GSS/T&C), RVPN, to display a copy of NIB on their notice board.
4. The Assistant Engineer (132 KV GSS/T&C/Cluster), RVPN, to display a copy of NIB on their notice board.
5. The Accounts Officer (T&C), RVPN, Merta City.
6. Notice Board.

21/11/2017
Superintending Engineer (T&C)
RVPN, Merta City (Nagaur)

PRICE SCHEDULE

Name of work: Erection work of Sub-station structure, Bus-Bar, Equipments and Earthing work etc. for Installation of 2 nos. 33 KV bays at 132 KV GSS Gogelaw (Nagaur) under deposit work of PHED

Name of firm/Bidder: -.....

Description of Work	Rate as per G-Schedule	% Above/Below Rate as per G-Schedule	Amount in Rs. Above/Below Rate as per G-Schedule	Total Price (2+4)
1	2	3	4	5
Erection work of Sub-station structure, Bus-Bar, Equipments and Earthing work etc. for Installation of 2 nos. 33 KV bays at 132 KV GSS Gogelaw (Nagaur) under deposit work of PHED	68,056.00			

Total Rs (In Words).....

1. I/ We have read all terms and conditions of the relevant BID against NIB No. 14/2017-18. These are acceptable to us.
2. Our Offer is valid for 120 days from the date of opening of bids.
3. The work shall be completed within stipulated period and as per instructions/letter of the Work In-Charge.
4. The quoted rate is firm in all respect till completion of work including of insurance charges, all taxes & duties
5. Saie execution of work shall be our responsibility.
6. We shall be responsible for any "Fatal" or "Non-Fatal" accident taking place due to our negligence.

Date ___ / ___ / - _____

Signature _____

Place _ _____

Name of Signatory _____

Phone/ Mobile / Fax _____

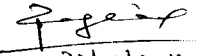
Name of

Firm _____

Address _ _____

TERMS AND CONDITIONS

1. **Qualifying Requirement:** Only those firms who have completed construction of any 33 KV bays/ maintenance of 220/132 KV on labour contract of minimum of Rs 2.0 Lacs and have completed within the contract time of the work order in last two year will be qualified for BID. A completion certificate issued by authority not below the rank of Executive Engineer is to be enclosed as proof of qualification.
2. The bid should be addressed to the Superintending Engineer (T&C), RVPN, Merta City having office at 400 KV GSS , Ren Road, Merta City(Nagaur).
3. Besides above, only such contractors should apply, who are already registered with provident fund Commissioner..
4. **TAXES, LEVIES & DUTIES:**
 - a) Taxes: **The bidder shall quote the prices inclusive of all applicable Taxes/charges including GST etc.** Any liability towards GST, if arises/applicable, inclusive of cost of material to be supplied by RVPN free of cost, shall be to the firms account. The bidder shall give GST registration number. Any statutory variation in GST will be to contractor's accounts.
 - b) Income Tax: If any income tax, surcharge on income tax or any other corporate tax is attracted under the law then the same shall be paid by him as per Government rules / deducted from his bills / invoices at the prevailing rate and if such tax is not applicable, then the contractor can claim reimbursement of the same from the relevant competent authority. However necessary TDS certificate(s) shall be issued by Nigam's paying Authority.
5. The BID along with relevant documents as per eligibility criteria shall be submitted in closed/sealed envelope duly super scribe as "**BID for Erection work of Sub-station structure, Bus-Bar, Equipments and Earthing work etc. for Installation of 2 nos. 33 KV bays at 132 KV GSS Gogelaw (Nagaur) under deposit work of PHED**".
6. The under signed does not bind himself to accept the lowest or any other bid and Reserve the right to reject any or all bidder's without assigning any reason thereof
7. The quoted rates shall be valid for 120 days from the date of opening bids.
8. The work shall be completed as per "G" schedule within 90 days from the date of placing of work order/LOI or date of issue of layout.
9. 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, Merta City after receipt of verified bills/Invoice by the consignee.
10. All addition and/or alterations in the bid must be clearly initialed.
11. 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.
12. All the documents issued; shall be submitted by the bidder duly filled up in all respect with seal and signature on each page.
13. Bid received late due to any reason or which are incomplete shall not be accepted for consideration,
14. Quantity of items i.e. extra/excess may vary according to the site requirement.
15. The successful bidder will have to deposit bid security @2% of estimated cost i.e. Rs. 1361.00 (Rs. One Thousand Three Hundred Sixty One Only) before placing of LOI/work order.
16. The bidder will have to deposit bid cost by cash and bid security by cash/DD in favour of Account Officer (T&C) RVPN, Merta City.


21/11/2017

**Superintending Engineer (T&C)
RVPN, Merta City (Nagaur)**

' G ' SCHEDULE

Name of work :- Construction of 2 Nos. 33 KV feeder bay at 132 KV GSS Gogelaw for 33 KV feeder for PHED (Deposit Work)

1.The rates for the erection works given in this BSR are inclusive of all types of labour charges, service tax, sales tax and insurance charges,etc.

REF:- RVPN/SC/TLPC/XEN/TL-A4/BSR/D. 856 / Dated:- 25-june 2015, RVPN/SE(Contracts-II)/XEN-4 / F. / D.44 Jaipur Dated:- 21.04.2017 & RVPN/SE(Contracts-II)/XEN-4 / F. / D.45 Jaipur Dated:- 21.04.2017

4. Chargeable Head :-Construction of 2 Nos. 33 KV feeder bay at 132 KV GSS Gogelaw for 33 KV feeder for PHED (Deposit Work) Project WBS Element No.AUCB/15.25.01

Code No.	Description	Unit	Qty.	Unit Rate (Rs.)	Amount
1	3	4	5	6	7
1 B1	EARTH MESH WORK :- Laying of earthing risers of 50 X 6 mm / 50 x 12 mm/ size M.S. Flat at a depth of 0.80 meter from top level of foundation, 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 equipment / structure and peak of the structure, 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 round level with red oxide and green paint, for the type of soil prevent at 0.80 meter below top level of foundation (M.S. Rod of above sizes & M.S. Flat as required shall be made available by the RVPN) (a) In case Electricity is made available by RVPN with out charge (i) Normal dry soil (ii) Hard soil / Murram / Black cotton soil	Mtr. Mtr.	200 80	24 26	4800.00 2080.00
C1	Placing / Driving of earth electrode of 25 / 28 mm dia. M.S. Rod of length 3.30 meter (Approx.) to a depth 3.80 meter from 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 of foundation (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 with out charge (i)Normal dry soil	Nos.	6	200	1200.00

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2	<p>Steel Structure Erection :- Erection of sub-station steel structures, columns, beams, lighting mast and equipment structures (excluding circuit breaker and capacitor banks) of all type including, nuts & bolts etc. from site store to locations, their assembly, placing on foundation, fixing of template, with foundation bolts as required, levelling and preparing for grouting as required, but excluding grouting, erection after grouting and tightening & punching of nuts & bolts. (Maximum height of structure upto 20 meters)</p>	M.T.	4	2321	9284.00
B	<p>Jumper 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 insulators and hardware from site store to location, 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- clamp as required, tightening of clamps / connectors, dressing etc. for three phases.</p> <p>(I) Single ACSR Zebra / Panther conductor</p>	Set	20	333	6660.00
3 A	<p>BUS BAR WORK :- Stringing of 220 KV, 132 KV, 33 KV & 11 KV Bus Bar of ACSR conductor, including transportation of conductor, disc insulators and tension hardware from site store to location, laying & 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 upto one end, stringing of conductors between the beams with specified sag and tension, also equalizing sag and fitting spacers and spacer T- clamp for twin conductor, for three phases of conductors in each bus - section.</p> <p>(I) Single ACSR panther (ii) Double ACSR Zebra</p>	Sec. Sec.	1 1	1165 1955	1165 1955
4	Stringing of earth wire (Size 7/3.15mm. or				

Signature

	7/4.00 mm.)including transportation of earth wire, tention hardware etc. from site store to locations, laying and cutting required length of earth wire ,fitting of bolted type or compression type hardware as made available				
	(Compression machine shall be provided by RVPN on rent free basis), making up at one end. Stringing of earthwire between structure peaks with specified sag and tention, jumpering and connecting earth bond, for single earthwire.	Each	4	292	1168.00
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 & connector , on already erected steel structure including transportation from site store to locations , fabrication of base frame, fixing of terminal connectors, tightening of nuts & bolts etc., complete in all respect. (i) 33 KV C.T.	Nos.	6	532	3192.00
C	Erection of Lightening Arrestor on already erected steel structure including transportation of Lightening Arrestor, clamps & connectors, surge counter etc. from site store to locations, fabrication of base frame,fixing of terminal connectors, surge counter, tightening of nuts & bolts etc. complete in all respect. (iii) 33 KV L.A.	Nos.	6	317	1902.00
D	Erection of Isolators on already erected steel structure including transportation of base frame, P.I.s, contacts, mechanism box, clamps & connectors etc., from site store to locations,minor fabrication as required, & 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)33 KV (a) Without Earth blade (b) With Earth blade	Nos Nos	4 2	916 1364	3664.00 2728.00
H	Erection of 33 KV or 11 KV Circuit Breakers, including transportation of equipment, structure members, nuts & bolts, clamp & connectors, accessories etc. from site store to location, assembly of support structure,				

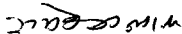
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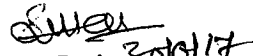
	their placing on foundation, levelling and preparing for grouting as required, but excluding grouting, assembly / placing of poles, mechanism box etc. on support structure as per manufacture's drawings fitting of terminal connecrors etc. but excluding commissioning of CB. (I) 33 KV or 11 KV outdoor type (VCB/SF6)	Nos.	2	7404	14808.00
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 covers and doors, earthing toexisting earthstrip in control room,connection of bus wiring to existing panel and between control and relay panel as required. (ii) Simplex panel	Nos.	2	632	1264.00
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) 33 KV Marshalling Kiosk.	Nos.	2	192	384.00
10	LAYING AND TERMINATION OF CABLES				
A	Control Cables:- (i) Laying of P.V.C. insulated unarmoured / armoured control cable of 1.1 KV grade with copper conductor in cable trench as per specification as required, including transportation of cable drum from site store to location, laying in cable trenches, cutting to required length, placing them on cable racks / cable trays / cable batten & dressing including removing and re-fixing trench coveras required, making necessary connections, testing,cable marking on both the terminating ends, etc. as required for all size from 2CX2.5sq. mm. to 20CX2.5sq. Mm.,4CX4sq. mm. and 4CX6sq. Mm and (a) Unarmoured Control Cable	Mtr.	1500	5	7500.00
	(ii) Fixing of control cable in position with single compression nickle plated brass cable glands confirming to IS : 12943 &				

Sum

having three metal washer & one rubber ring, including preparation of cable and drilling of corresponding hole in gland plates, etc. as required & including cost of cable gland for each cable gland of size.				
(a) 19mm unarmoured control cable	Nos.	40	44	1760.00
(c) 25mm unarmoured control cable	Nos.	10	67	670.00
(iii) Termination of wires of cable 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) dully 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.				
(a) 2C X 2.5 sq. mm.	Each	5	21	105.00
(c) 4C X 2.5 sq. mm.	Each	5	43	215.00
(f) 12C X 2.5 sq. mm.	Each	5	128	640.00
In case all the wires of any cable are not terminated, then a deduction at the rate of Rs. 4.00 shall be made for each end of the wires not terminated				
(i) 4c x 4 sq. mm	Each	16	57	912.00
In case the wires of any cable are not terminated, then a deduction at the rate of Rs. 5.00 shall be made for each end of the wires not terminated				
Total				68056.00
G. Total				68056.00

Rs. Sixty Thousand Fifty Six Only.


Junior Engineer
(T&C), RVPN, Nagaur


Assistant Engineer
(T&C) Nagaur


Executive Engineer
(T&C), RVPN, Merta City