



**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

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No. RRVPNL/SE/T&C/MTC/Tech./F./D. 2588 Dated: 22/2/17

**TENDER ENQUIRY-TN- 07/2016-17**

Sealed tenders are invited from reputed and eligible contractors for Erection work of Sub-station structure, Bus-Bar, Equipments and Earthing work etc. for Installation of 33 KV capacitor bank at 132 KV GSS Deh (Nagaur)

- |  |  |
|--|--|
| 1. Specification No.                   | RVPN/SE/T&C/TN- <b>07/2016-17</b>  |
| 2. Name of Work                        | Erection work of Sub-station structure, Bus-Bar, Equipments and Earthing work etc. for Installation of 33 KV capacitor bank at 132 KV GSS Deh (Nagaur) |
| 3. Estimated Cost                      | Rs 1,04,000.00   |
| 4. Tender Cost                         | Rs 100/- (Non-Refundable)  |
| 5. Earnest Money                       | Rs 2100/-  |
| 6. Validity Period of Offer            | 120 Days   |
| 7. Last Date for sale of Specification | 08.03.2017 up to 1:00 PM   |
| 8. Last Date for submission of tender  | 08.03.2017 up to 2:30 PM   |
| 9. Due Date of Opening of Tender       | 08.03.2017 at 3:00 PM  |
| 10. Tender Cost Receipt No.            | .....Date.....   |
| 11. Earnest Money Receipt No.          | .....Date.....   |

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

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

## TERMS AND CONDITIONS

- 1. Qualifying Requirement:** Only those firms who have completed construction of any 220/132 KV GSS on labour contractor of minimum of Rs 5.0 Lacs and have completed within the contract time of the work order in last two year will be qualified for tender. A completion certificate issued by authority not below the rank of Superintending Engineer is to be enclosed as proof of qualification.
- 2.** The tender 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. The copy of certificate in this respect should be attested by Notary Public and signed by the bidder or by authorized representative of the firm.
- 4. RAJASTHAN VALUE ADDED TAX, LEVIES & DUTIES:**
  - a) In accordance with the scope of works, this is a labour contract of erection from the "FREE ISSUE" material, hence no VAT will be leviable. However tax on such labour contracts if levied, shall be to the Contractor's account.
  - b) Service Tax: The tenderer shall quote the prices inclusive of applicable service tax. Any liability towards service tax, if arises/applicable, inclusive of cost of material to be supplied by RVPN free of cost, shall be to the firms account. The tenderer shall give service tax registration number. Any statutory variation in service tax will be to contractor's accounts.
  - c) Work Contract Tax: The work contract tax will be deducted at the applicable laws on the value of erection, testing & commissioning activities. Any liability arising on A/c of work 10 contract tax will be to the contractor's account. Any statutory variation in the work contract tax will be to the contractor's accounts.
  - d) 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 tender along with relevant documents as per eligibility criteria 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 etc. for Installation of 33 KV capacitor bank at 132 KV GSS Deh (Nagaur)".
- 6.** The under signed does not bind 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
- 7.** The quoted rates shall be valid for 120 days from the date of opening tenders.
- 8.** The work shall be completed as per "G" schedule within 45 days from the date of placing of work order/LOI or date of issue of layout.
- 9.** 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, Merta City after receipt of verified bills/Invoice by the consignee.
- 10.** All addition and/or alterations in the tender 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 Tenderer duly filled up in all respect with seal and signature on each page.
- 13.** Tender received late due to any reason or which are incomplete shall not be accepted for consideration,
- 14.** Quantity of items may vary at the time of placement order.
- 15.** Balance 10 % payment will be released after 3 month from the date of satisfactory completion of work.
- 16.** The Tenderer will have to deposit Tender cost by cash and EMD by cash/DD in favour of Account Officer (T&C) RVPN, Merta City.



**PRICE SCHEDULE**

**Name of work: Erection work of Sub-station structure, Bus-Bar, Equipments and Earthing work etc. for Installation of 33 KV capacitor bank at 132 KV GSS Deh (Nagaur)".**

Name of firm/Tenderer: - .....

| 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 33 KV capacitor bank at 132 KV GSS Deh (Nagaur)". | 62313.00               |                                      |  |                   |

Total Rs (In Words).....

1. I/ We have read all terms and conditions of the relevant Tender Enquiry against TN No. **07/2016-17**. These are acceptable to us.
2. Our Offer is valid for 120 days from the date of opening of tenders.
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. Safe 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 \_\_\_\_\_

**' G ' SCHEDULE**

Name of work :- Erection work of 33 kv capacitor bank at 132 KV GSS Deh

1. BSR RVPN/SE(SSPC)XEN(TK)/BSR/A1/D.21dated04.04.2011

| S.No. | Description   | Unit         | Unit Rate in   | Qty.             | Amount             |
|-------|---|--------------|----------------|------------------|--------------------|
| 1     | 2   | 3            | 4              | 5                | 6                  |
| 1     | <b>EARTH MESH WORK :-</b><br>Laying of Earth mesh with 25 mm /28 mm. dia. M.S. Rod at a depth of 0.80 meter from top level of foundation, transportation of M.S. Rods from site store to locations, welding of M.S. Rod to M.S. Rod along the length, at crossing and with earth electrodes as per drawing, application of bitumin compound & covering with bitumin impregnated tape on all welded joints, for the type of soil prevent at 0.80 meter below top level of foundation (M.S. Rod of above size & M.S. Flat as required shall be made available by RVPN)<br>(a) In case Electricity is made available by RVPN with out charge<br>(i) Normal dry soil<br>(ii) Hard soil / Murram / Black cotton soil   | Mtr.<br>Mtr. | 18.00<br>19.00 | 50<br>50         | 900<br>950         |
| 2     | Laying of earthing risers of 50 X 6 mm / 50 x 12 mm / 50x10mm 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 ground 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)<br>(a) In case Electricity is made available by RVPN with out charge<br>(i) Normal dry soil<br>(ii) Hard soil / Murram / Black cotton soil | Mtr.<br>Mtr. | 20.00<br>21.00 | 120.00<br>100.00 | 2400.00<br>2100.00 |
| 3     | <b>Steel Structure Erection :-</b><br>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)   | M.T. | 1744.00 | 10.0  | 17440   |
| 4 | <b><u>BUS BAR WORK :-</u></b><br>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 alongwith 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 equilizing sag and fitting spacers and spacer T- clamp for twin conductor, for three phases of conductors in each bus - section.<br>(I) Single ACSR panther | Sec. | 875.00  | 1.00  | 875.00  |
| 5 | 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 alongwith 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.<br>(I) Single ACSR Zebra / Panther conductor  | Set  | 250.00  | 13.00 | 3250.00 |
| 6 | Erection of current Transformer/ potentialTransformer/ capacitive voltage Transformer/Series Reactor/ Residual voltage Transformer/Neutral current Transformer with clamps & connector , on already erected steel structure including transportation from sitestore to locations , fabrication of base frame,fixing of terminal connectors, tightening of nuts & bolts etc., complete in all respect.<br>(iii) 33 KV C.T.   | Nos. | 400.00  | 3.00  | 1200.00 |
| 7 | 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.Surge counter, tightening of nuts & bolts etc., complete in all respect.   |      |         |       |         |

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|----|---|------------|-------------------|--------------|-------------------|
|    | (ii) 33 KV<br>(a) Without Earth blade<br>(b) With Earth blade   | Nos<br>Nos | 688.00<br>1025.00 | 1.00<br>2.00 | 688.00<br>2050.00 |
| 8  | erection of 2x33 kv, 5.43 MVAR Cap. Bank With Series Reactor/<br>Residual voltage Transformer/Neutral current<br>Transformer including transportation of Equipments,<br>structure member, nuts & Bolts, washers, clamps & connectors<br>etc. from site store to location, assembly of<br>structure Their placing on foundation, leveling and preparing for<br>grouting as required and their connections as<br>per manufactures drawing fixing of terminal<br>connectors etc.   | EACH       | 13875.00          | 1.00         | 13875.00          |
| 9  | <b>Erection of 33 KV or 11 KV Circuit Breakers,</b><br>including transportation of equipment,<br>structure members, nuts & bolts, clamp &<br>connectors, accessories etc. from site store<br>to location, assembly of support structure,<br>their placing on foundation, levelling<br>and preparing for grouting as required, but<br>excluding grouting, assembly / placing of<br>poles, mechanism box etc. on support<br>structure as per manufacture's drawings<br>fitting of terminal connectors etc. but<br>excluding commissioning of CB.<br>(I) 33 KV or 11 KV outdoor type (VCB/SF6) | Nos.       | 5563.00           | 1.00         | 5563.00           |
| 10 | Erection of Post insulator on already<br>erected structures including transportation<br>of P.I.s, nuts & bolts, clamps & connectors,<br>etc. from site store to locations, fabrication<br>of base frame & assembly if required, fixing<br>of clamps, etc.<br>(i) 33 KV  | Nos.       | 56.00             | 6.00         | 336.00            |
| 11 | Erection of Control & Relay panels complete<br>in all respect including transportation from<br>site store to control room, placing on<br>foundation / cable trench as per layout,<br>interconnection between control & Relay<br>panels and with existing panels, fixing of<br>side / top covers and doors, earthing to<br>existing earthstrip in control room, connection<br>of bus wiring to existing panel and between<br>control and relay panel as required.<br>(ii) Simplex panel, DC Panel, RTCC Panel,   | Nos.       | 475.00            | 1.00         | 475.00            |
| 12 | Erection of Marshalling Kiosk / Line matching<br>Unit (LMU) / Line Matching & Distribution<br>Unit (LMDU) complete in all respect including<br>transportation from site store to location,<br>placing on foundation / cable trench as per<br>layout, preparing for grouting of foundation   |            |                   |              |                   |


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|----|--|----------------------|-------------------------|----------------------|-----------------------|
|    | bolts but excluding grouting etc.<br>(ii) 33 KV Marshalling Kiosk.   | Nos.                 | 144.00                  | 1.00                 | 144.00                |
| 13 | <b>LAYING AND TERMINATION OF CABLES</b><br><b>Control Cables:-</b> (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 covers as required, making necessary connections, testing, cable marking on both the terminating ends, etc. as required for all size from 2CX2.5sq. mm. to 4CX2.5sq. mm., 4CX4sq. mm. and 12CX 2.5 sq. mm.<br>(a) Unarmoured Control Cable | Mtr.                 | 4.00                    | 2000.00              | 8000.00               |
| 14 | (ii) Fixing of control cable in position with single compression nickle plated brass cable glands conforming to IS : 12943 & 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.<br>(a) 19mm unarmoured control cable<br>(b) 25mm unarmoured control cable  | Nos.<br>Nos.         | 33.00<br>50.00          | 20.00<br>6.00        | 660.00<br>300.00      |
| 15 | 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) 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.<br>(a) 2 X 2.5sq.mm<br>(b) 4C X 2.5 sq. mm.<br>(C) 12C X 2.5 sq. mm.<br><br>In case the wires of any cable are not terminated, then a deduction at the rate of Rs. 3.00 shall be made for each end of the wires not terminated  | Each<br>Each<br>Each | 16.00<br>32.00<br>96.00 | 5.00<br>2.00<br>6.00 | 80<br>64.00<br>576.00 |

|   |      |       |      |                 |
|---|------|-------|------|-----------------|
| (c) 4c x 4 sq. mm<br>In case 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 | Each | 43.00 | 9.00 | 387.00          |
| <b>Total</b>  |      |       |      | <b>62313.00</b> |
|   |      |       |      |                 |
| Say   |      |       |      | <b>62313.00</b> |

Rs Sixty two three thousand three hundred thirteen Only

  
Junior Engineer (T&C)  
RVPN, Nagaur

  
Assistant Engineer (T&C)  
RVPN, Nagaur

  
Executive Engineer (T&C)  
RVPN, Merta City