BID DOCUMENT

BID SPECIFICATION FOR AWARD OF CONTRACT FOR STRENGTHENING OF 33 KV BUSBAR BY ACSR ZEBRA CONDUCTOR ALONG WITH THE ISOLATORS AT 132 KV GSS BARMER AGAINST BN-1410002002

Price Rs. 750/- + GST@ 18%
Receipt No. ____________ Dated ____________

Issued to M/s ____________

TA to Superintending Engineer (T&C)
RVPN, Barmer

Signature of bidder with seal
A. **Scope of Work:**
1. This work is a labour rate contract and based on the BSR-01.04.2017.
2. This work is involved to take delivery of required equipments, structures, hardwares, cables, conductors, etc. from the departmental site stores and transport them to the work place at 132 KV GSS Barmer in safe manner.
3. All the works to be done as per the G Schedule (enclosed) & as per the instructions of the AEN (132 KV GSS), Barmer and approved drawings.

B. **Terms & Conditions and Instructions to the bidder:**
1. The bid should be addressed to the Superintending Engineer (T&C), RVPN, Barmer.
2. This NIB will be governed by the RTPP Act 2012 & RTPP rules 2013.
3. This work is being done in single stage bid.
4. The bid security should be deposited as per the NIB in the name of “The Accounts Officer (T&C), RVPN, Barmer” in cash or Demand Draft. Required bid security should be deposited on or before due date of the tender. Without EMD, the tender will be neither accepted nor opened.
5. Rate mentioned in G-Schedule are inclusive of all types of Labor charges & Insurance excluding GST, whereas Income Tax and any other taxes and duties/levied time to time of the State/Central Govt. of India, maybe deducted from the bill.
6. The RVPN has right to reject bid without assigning any reason.
7. The electricity for execution of above work will be provided free of cost by the Nigam.
8. Tender can be obtained from this office after paying Tender cost as given in NIT.
9. The validity of this offer is **120 days** from the date of opening of the tender.

10. **COMPLETION PERIOD**
This work should be completed within **60 days** after given layout by the Field Officer; otherwise the penalty will be imposed on the unexecuted work as per the Nigam rules. However, time extension shall be granted for the genuine reason for eg. Unavailability of shutdowns, Natural hazard, etc.

11. **TERMS OF PAYMENT:**- Payment will be made to the contractor on submission of bills in accordance with the procedure as detailed below:
   a. Payment equal to 100% (in case contractor furnished performance security deposit by crossed Bank Draft or by day of bank Guarantee).
   b. 90% (in case contractor furnished undertaking for deduction of performance security amount from his each running and final bill @10% of the amount of the bill) of the total value of the work will be paid against monthly running account bills to be submitted to the AEN (132 KV GSS) Barmer-In-charge of the work. This **10% performance security deposit** deducted from each and every bill by the Accounts wing at source. This shall be retained for **12 months from the date of completion of entire work** in order subject to acceptance by the work In-charge.
   c. From each and every bill, Income tax and any other taxes, sales tax & duties/levies from time to time of the state/central Govt. of India shall be deducted compulsorily from the bills.
   d. Deduction, in respect of deficiencies etc. will be made by the work-In-Charge by passing/checking/verifying the bills & simultaneously be conveyed to the contractor.
12. EMPLOYEES PROVIDENT FUND:
The contractor shall have to submit a certificate every month that he is an establishment covered under the employees provident fund and miscellaneous provisions act 1952 and is having a separate code number with the Provident Fund Commissioner and also that the Provident Fund contribution in respect of all the employees employed by him along with employer's share of contribution etc. is being deposited with the Provident Fund authorities and shall also submit certified photo copies of the challans of deposits. In absence of above, the contractor shall be liable to deposit employee contribution, as well as, Employer's contribution and other charges in respect of all the employees engaged by him for the said work with RVPN along with details of the employees, their wages and the amount of contribution as per RVPN CPF Rules every month. In case of failure, RVPN shall be entitled to deduct 16% of the amount from his bills.

13. CONTRACT AGREEMENT:
The Contractor shall have to execute a work agreement in the non-Judicial stamp paper @0.25% of the quoted amount (minimum Rs. 500 stamp). The cost of stamp paper shall be borne by the contractor.

14. ACCIDENT SAFETY MEASURES:
During the work, if any person gets injured due to any accident the compensation if any will be paid by your firm. No payment will be paid by RVPN, on this account. You will give an undertaking on Non Judicial Stamp Paper worth Rs 10/- to the effect that RVPN will not be responsible for out of injury sustained by your worker due to an accident arising out of the above work and that you will bear entire cost of such injury of compensation to be paid to your workers. The cost of Stamp Paper shall be borne by you. The contractor shall follow safe method of working so that there is no damage to NIGAM's material and also no injury is caused to any of his workers. The contractor shall be fully responsible for safety of his workers and RVPN will not be responsible for any type of accident minor or fatal to any person at work site. Staff Insurance charges, if any, shall be borne by the contractor. All the Workmen engaged/deployed by you at site for execution of work, shall be adequately insured to meet any unforeseen incident. Safety of all the Workmen, movable & immovable property in vicinity shall be the prime object and full care shall be observed during execution of work. Compensation for any "Fatal or Non-Fatal" accident taking place during execution of work shall not be paid or shared by NIGAM, Payment of compensation, if any, for any such "Fatal or Non-Fatal" accident shall be your sole liability. You will instruct all of your workers to not to touch any installation at GSS without the prior permission of the "Work In-Charge" and or "Shift In-Charge" on duty.

15: INSPECTION BY NIGAM'S REPRESENTATIVE:

i. The AEN (132 KV GSS Barmer), XEN (400 KV GSS) Barmer, in-charge of the works or his representative will be free to visit the contractor's works, their site stores and site and also verify the NIGAM's materials in the custody of the contractor, as and when required.

ii. The work in-charge will be AEN (132 KV GSS) RVPN Barmer under the control of the XEN (400KV GSS) RVPN Barmer.
16. DISPUTES:
All disputes, differences, questions whatsoever arising between the purchaser / orderplacing authority and contractor upon or in relation to or in connection with the contract shall be deemed to have arisen at Barmer (Rajasthan) and the decision of the ZCE (T&C), RVPN, Jodhpur will be final & binding to all.

17. You should quote your lowest rate in the enclosed G-schedule based on RVPN BSR 01/04/2017 in form of % above/below the estimate rate as a whole while including insurance charges but excluding GST.

18. An individual item rate having different % will not be accepted.

19. Conditional tender will not be accepted.

Superintending Engineer (T&C)
RVPN, Barmer

1. I / We agree to execute the work _____% above/below the G-Schedule.
2. I / We accept above mentioned terms & conditions.

Sign of the contractor, Name of firm/contractor
(With stamp & date)
## RAJASTHAN RAJYA VIDHYUT PRASARAN NIGAM LTD.
### OFFICE OF THE ASSISTANT ENGINEER (132KV GSS), RVPN, BARMER

**G-SCHEDULE FOR STRENGTHENING OF 33KV BUS BAR BY ACSR ZEBRA CONDUCTOR ALONG WITH ISLOATORS AT 132KV GSS BARMER**

<table>
<thead>
<tr>
<th>Code No.</th>
<th>Description</th>
<th>Unit</th>
<th>Rate (Rupees.) BSR 2017</th>
<th>QTY</th>
<th>AMOUNT</th>
</tr>
</thead>
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### A. ERECTION WORK:

#### 1. EARTH MESH WORK

- Laying of earthing 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 and bolting to 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

#### 3. BUS- BAR WORK

**A. STRINGING OF 220KV,132KV,33KV & 11KV** bus bar 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.

- **ii)** Double ACSR Zebra

**B. JUMPERS OF ACSR CONDUCTOR (3NOS V-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 the 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
- **ii)** Double ACSR Zebra Conductor

### 5. ERECTION OF SUB-STATION EQUIPMENT:

- 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

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| a) Without Earth blade | Nos              | 916 | 10          | 9160
| b) With Single Earth Blade | Nos           | 1364 | 8            | 10912

**TOTAL (A)**: 76,722.00

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**JUNIOR ENGINEER (M)**

132 KV GSS RVPNL
BARMER

**Assistant Engineer**

132 KV GSS RVPN, BARMER
### B. Dismantling Work:

<table>
<thead>
<tr>
<th>3</th>
<th>Bus- Bar Work</th>
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<tbody>
<tr>
<td>A</td>
<td><strong>Stringing of 220kV, 132kV, 33kV &amp; 11kV bus bare aCSR conductor</strong> 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 RVNP on rent free basis) makings 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</td>
</tr>
<tr>
<td>B</td>
<td><strong>Jumpers of aCSR Conductor (3 Nos Y-type)</strong> 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 &amp; spacer T-clamps as required, tightening of clamps, conductors, dressing etc. for three phases</td>
</tr>
</tbody>
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| i) | Single aCSR Panther | Sec | 1165 | 4 | 4660 |

| B | **Jumper 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 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 | 102 | 33966 |

### 5 Erection of Sub-Station Equipment:

| 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 | 10 | 9160 |
| b) With Single Earth Blade | Nos | 1364 | 8 | 10912 |

**Total (B):** 58,698.00

C. We agree to execute the above work @ ____ % ABOVE/ BELOW (EXCLUDING GST) on TOTAL COST (A+B) as per BSR 2017.

### D. Total (A+B+C) excluding GST:

E. GST @ 18%:

F. NET AMOUNT (D+E):

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**Junior Engineer (132kV GSS)**

**Assistant Engineer (132kV GSS)**

**Executive Engineer (400kV GSS)**