M/s Geetanjali Electro Construction,
Near Bhadada Bhagh, Bhilwara.

Sub:- Consent to do work for repair and maintenance work of EHV GSS at 400KV GSS Bhilwara.

The work for repair and maintenance work of EHV GSS at 400KV GSS Bhilwara is to be carried out for single frequency on SSP (Single Source Procurement) (as per the CE (PP&D), Jaipur order No. RVPN/CE (PP&D)/SE(Automation)/XEN-1/D.619 Jaipur Dt. 12.09.2018) under RTPP Act 2012 as per enclosed G schedule. If you interested to do said work, send the consent latest by 03:00PM of 22.10.2018. Offers received upto stipulated time will be considered on the same day at 04:00 PM.

SUPERINTENDING ENGINEER (T&C)
RRVPN BHILWARA

Copy submitted/forwarded to :-
1. The Chief Engineer (T&C A/Z), RRVPN, Ajmer.
2. The Accounts Officer (T&C), RVPN, Bhilwara.
3. The TA to CE (T&C-A/Z), RRVPN, Ajmer for necessary arrangement for uploading the letter on Ajmer RRVPN portal.

TA to SUPERINTENDING ENGINEER (T&C)
RRVPN BHILWARA
**Name of Work:**

Repair and Maintenance work of EHV GSS at 400KV GSS Bhilwara Single frequency (Up to 31.12.2018)

1. The rates for the R & M work given in this BSR are inclusive of all types of labour charges, service tax, sale tax & insurance charges etc.

2. The rates given in the schedule are applicable from 01/04/2017.

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>BSR Code No.</th>
<th>Description</th>
<th>Unit</th>
<th>Unit Rate (in Rs.)</th>
<th>Qty. (in Nos.)</th>
<th>Amount (in Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3</td>
<td><strong>Maintenance of Bay Equipments</strong></td>
<td></td>
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<td></td>
<td></td>
<td>Providing of work assistance as given below in maintenance work of following bay equipments such as circuit breaker, current transformer, Lightning arrester, Isolator, CVTs, PLCC equipments, and corresponding control and relay panels. (All spares, lubricating material and special T&amp;P shall be provided by RVPN. Cleaning material and general T&amp;P shall be arranged by the contractor.)</td>
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<tr>
<td></td>
<td></td>
<td>a) Checking of tightness of clamps &amp; connectors.</td>
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<td></td>
<td></td>
<td>b) Cleaning of all insulators.</td>
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<td></td>
<td></td>
<td>c) Attending of oil leakage, if any.</td>
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<td></td>
<td></td>
<td>d) Cleaning of all junction Boxes and secondary terminal boxes.</td>
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<td></td>
<td></td>
<td>e) Checking of operation of CB through relays and verifying various logic and control circuits and annunciation circuits.</td>
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<td></td>
<td></td>
<td>f) Measurement of CB operation timings.</td>
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<td></td>
<td></td>
<td>g) Checking of isolator operation and its alignments.</td>
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<td></td>
<td>h) Checking of gas pressure like sf6 &amp; N2 in circuit breakers / CTs. etc.</td>
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<td></td>
<td></td>
<td>i) Measurement of IR values of LAs, CTs, and CVTs.</td>
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<td></td>
<td></td>
<td>j) Lubrication of defined parts of all equipments at all required points.</td>
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<td></td>
<td></td>
<td>k) Washing the equipments, in case all stains are present, then washing is to be done with use of detergent solution.</td>
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<td></td>
<td></td>
<td>l) Cleaning of C&amp;R panel from inside.</td>
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<td></td>
<td></td>
<td>m) Providing other related work assistance as may be required by incharge.</td>
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<tr>
<td>3.1</td>
<td>1</td>
<td>400KV Bay (1 No. Supervisor + 10 nos. workmen)</td>
<td>Each bay</td>
<td>3690</td>
<td>12</td>
<td>44280.00</td>
</tr>
<tr>
<td>3.2</td>
<td>1</td>
<td>220KV Bay (1 No. Supervisor + 6 nos. workmen)</td>
<td>Each bay</td>
<td>3104</td>
<td>9</td>
<td>27936.00</td>
</tr>
</tbody>
</table>
### Maintenance of Power Transformer

Providing of work assistance as given below in Maintenance of power transformers for the following types of power Transformers. (All spares, lubricating material and only special T&P shall be provided by RVPN. Cleaning material and general T&P shall be arranged by the contractor.)

- a) Cleaning of porcelain of bushings.
- b) Checking of tightness of clamps & connectors.
- c) Checking of Buchholz & oil surge relay.
- d) Cleaning of glasses of all oil level indicators.
- e) Cleaning of marshalling box, cooler control cubical, thermometer etc., as provided.
- f) Attending to oil leakage from Tr. Body & bushings.
- g) Checking of oil level in oil filled bushing.
- h) Checking of Drycol air drying system.
- j) Measurement of earth resistance.
- k) Testing of PRD.
- l) Checking of tripping circuit of Buchholz & WDG, oil temperature controls and protection scheme.
- m) Checking of OLTC gear operation.
- n) Checking of auto circuits of cooling bank.
- o) Taking of oil samples for testing.
- p) To carry out other special measurement as may be required.
- q) Providing of other related work assistance as may be required by work incharge.

<table>
<thead>
<tr>
<th>4.1</th>
<th>400/220KV, 315MVA Transformer (8 Nos. workmen)</th>
<th>Each Trf.</th>
<th>2391</th>
<th>2</th>
<th>4782.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.4</td>
<td>33/0.4KV auxiliary supply station Transformer (3 Nos. workmen)</td>
<td>Each Trf.</td>
<td>1031</td>
<td>2</td>
<td>2062.00</td>
</tr>
</tbody>
</table>

### Maintenance of Bus Bars and associated Equipments

Providing of work assistance as given below in Maintenance work of Bus bar of various voltage level. (All spares, lubricating material and only special T&P shall be provided by RVPN. Cleaning material and general T&P shall be arranged by the contractor.)

- a) Tightening of clamps & connectors on overhead bus conductors and gantries (at a maximum height of 25 meter using safety belts). Also tightening of clamp / connectors of all bus side associated equipments.
- b) Replacements of warn out clamps & connectors of bus during work under item No. (a).
c) Cleaning of all insulators of suspension and tension string of Bus bar and insulators of bus isolators, Bus CVT's / PT's.
d) Checking of operation of Bus isolators and their alignment including motorized operation.
e) Maintenance of operating mechanism & switches, etc. of isolators.
f) Lubrication of all moving parts of isolators.
g) Providing of other related work assistance as may be required by work-in-charge.

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
<th>Each sect.</th>
<th>Units</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.1</td>
<td>400 KV Bus section (1 No. Supervisor + 8 nos. workmen)</td>
<td>3176</td>
<td>4</td>
<td>12704.00</td>
</tr>
<tr>
<td>5.2</td>
<td>220 KV Bus section (1 No. Supervisor + 6 nos. workmen)</td>
<td>2582</td>
<td>18</td>
<td>46476.00</td>
</tr>
</tbody>
</table>

**TOTAL AMOUNT (Rs.):-** 138240.00

(Rs. ONE LACS THIRTY EIGHT THOUSAND TWO HUNDRED FOURTY Only.)

ADD GS T/C 14%. 24883.20

(Rs. One Lac Sixty Three Thousand One Hundred Twenty Three Only)

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JUNIOR ENGINEER
400KV GSS
RRVPN BHILWARA

ASSISTANT ENGINEER
400KV GSS
RRVPN BHILWARA

EXECUTIVE ENGINEER
400KV GSS
RRVPN BHILWARA

SUPERINTENDING ENGINEER(T&C)
RRVPN BHILWARA

ACCOUNTS OFFICER (T&C)
R.V.P.N.L. BHILWARA