



RAJASTHAN RAJYA VIDYUT PRASARAN NIGAM LIMITED

(An ISO 9001:2000 Certified Company)

OFFICE OF THE ASSISTANT ENGINEER (132 KV GSS) LOSAL

NO. RRVPN/AEN(132KV GSS)/LOSAL/F- Tech /D 66 Date 14/07/2016

To  
All Registered Contractors  
Under TCC-III, Ajmer Zone

Sub:- Consent for execution of Bay/Equipment Maintenance work on CLRC rates for  
FY 2016-17

Your consent is desired for executing the Bay/Equipment Maintenance work at  
132 KV GSS , RRVPNL, Losal (Sikar) for the year 2016-17 on CLRC basis as per the details  
mentioned in the enclosed G-Schedule.

Therefore you are requested to convey your consent till afternoon of 28/07/2016 in  
writing along with copy of valid registration so the case may be further processed.

Encl: 'G' Schedule of the GSS.

  
Assistant Engineer  
**Assistant Engineer**  
(132 KV.G.S.S.) R.R.V.P.N.L., LOSAL

**G-Schedule for Maintenance of Power Transformers at 132 KV GSS Losal, Sikar**

Particulars	Frequency	Unit	BSR Rates	Qty.	Amount
<p>(A) Maintenance of Power Transformer for the following types of Power Transformer (All spares, Lubricating material and only special T&amp;P shall be provided by RVPN Cleaning material and general T&amp;P shall be arrange by the contractor.)</p> <p>a) Cleaning of porcelain of bushing.</p> <p>b) Checking of tightness of clamps &amp; connectors</p> <p>c) Cleaning of Buchholz &amp; oil surge relays.</p> <p>d) Cleaning of glasses of all oil level indicators.</p> <p>e) Cleaning of marshalling box, cooler control cubicle, thermometer, etc., as provided.</p> <p>f) Assistance to RVPN in attending to oil leakage from Tr. Body &amp; Bushings.</p> <p>g) Checking of oil level in oil filled bushing.</p> <p>h) Checking of Dry coil air drying system.</p> <p>i) Assistance to RVPN in measurement of IR values.</p> <p>j) Assistance to RVPN in measurement of earth resistance.</p> <p>k) Assistance to RVPN in testing of PRD.</p> <p>l) Assistance to RVPN in checking of tripping circuit of Buchholz &amp; WDG, oil temperature, control and protection scheme.</p> <p>m) Checking of OLTC gear operations.</p> <p>n) Assistance to RVPN in checking of auto circuit of cooling bank.</p> <p>o) Assistance to RVPN in Taking of oil samples for testing.</p> <p>p) Assistance to RVPN in carrying out other special measurements as may be required.</p> <p>q) Providing of other related work assistance as may be required by work in charges.</p>					
<p>132.33 KV, 20/25 MVA Transformer                      33/0.4 KV, 250 KVA Station Tr.</p> <p align="right">(Freq. X Rate X Qty.)                      (2 x 1220 x 2)                      (2 x 774 x 1)</p>	Two time Two time	No. No.	1220 774	2 1	4880 1518
<p>Total cost as per BSR for One year -                      (Rupees Six thousand four hundred twenty eight only)</p>					6428.00

  
**Assistant Engineer**  
 (132 KV.G.S.S.) R.R.V.P.N.L., LOSAL

**G-Schedule for Maintenance of Bay Equipment at 132 kV GSS Losal, Sikar**

Particulars	Frequency	Unit	BSR Rates	Qty.	Amount
<p><b>(B) Maintenance work of following bay equipment such as Circuit Breaker, Current Transformers, Lightning Arrestors, Isolators, CVTs, PLCC Equipment and corresponding control and Relay Panels. (All spares, Lubricating material and only special T&amp;P shall be provided by RVPN Cleaning material and general T&amp;P shall be arranged by the contractor.)</b></p> <p>a) Checking of lightness of clamps &amp; connections.                      b) Cleaning of all Insulators.                      c) Assistance to RVPN in attending oil leakage, if any.                      d) Cleaning of all Junction Boxes and secondary terminal boxes                      e) Assistance to RVPN in checking of operation of CB through relays and verifying various logic and control circuit and annunciation circuits                      f) Assistance to RVPN in measurement of CB operation timings.                      g) Checking of Isolator operation and its alignments                      h) Checking of gas pressures like SF<sub>6</sub> &amp; N<sub>2</sub> in circuit breakers/CTs, etc.                      i) Assistance to RVPN in measurement of IR values of Las, CIs, and CVTs.                      j) Lubrication of defined parts of all equipment at all required points.                      k) Washing the equipment in case oil stains are present, then washing is to be done with use of detergent.                      l) Cleaning of C &amp; R panel from inside.                      m) Tightening of clamps &amp; connectors and spacers on overhead bus conductors and gentries (at maximum height of 25 metres using safety belts)                      n) Providing other related work assistance as may be required by In charge.</p>	Two time Two time	No. No.	1892 1666	4 9	15136 29988
132 kV Bay 33 kV Bay					45124.00
<p><b>(B) Total cost as per BSR for One year -</b>                      (Rupees forty five thousand one hundred twenty four only)</p>					

  
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**G-Schedule for Maintenance of Bus Bar at 132 KV GSS Losal, Sikar**

S.No.	Particulars	Frequency	Unit	ESR Rates	Qty.	Amount
	<p><b>(C)</b> Providing work assistance as given below in Maintenance work of Bus Bars of Various Voltage levels. (All spare, lubricating material and only special T&amp;P shall be provided by R.V.P.N. Cleaning material and general T&amp;P shall be arranged by the contractor.)</p> <p>a) Tightening of clamps &amp; connectors on overhead bus conductors and ganties (at a maximum height of 25 meters using safety belts.) Also tightening of clamps / connectors of all bus side associated equipment.</p> <p>b) Replacement of worn out clamp &amp; connectors of bus during work under item No. (a)</p> <p>c) Cleaning of all insulators of suspension and tension string of bus bars and insulators of bus isolators, Bus CVTs, PT's</p> <p>d) checking of operations of Bus isolators and their alignment including motorized operation.</p> <p>e) Maintenance of operating mechanism &amp; switches, etc.,</p> <p>f) Lubrication of all moving parts.</p> <p>e) Providing of other related work assistance as may be required by Work Incharge</p>					
132 KV Bus Section	(2 x 1446 x 4)	Two time	No.	1446	4	11568
33 KV Bus Section	(2 x 1351 x 5)	Two time	No.	1351	5	13510
	<b>(C) Total cost as per ESR for One Quarter -</b>					<b>25078.00</b>
	<b>(Rupees Twenty five thousand seventy eight Only)</b>					
	<b>Grand Total (A+B+C)</b>					
						<b>76630.00</b>

**As per CLRC Rate contract @ 60% above on BSR - 2011 = Rs. 122608/-  
IN WORDS :- (Rupees One Lac Twenty Two Thousand six Hundred eight Only).**

  
**Assistant Engineer**  
 (132 KV G.S.S.) R.R.V.P.N.L., LOSAL