



**RAJASTHAN RAJYA VIDYUT PRASARAN NIGAM LIMITED**

(An ISO 9001: 2008 certified company)

OFFICE OF THE ASSISTANT ENGINEER (132 KV GSS) RRVPL, SUWANA  
Haled Road, Suwana, Distt.-Bhilwara (Rajasthan) Call:+91-1482-257460

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**No. RRVPL/AEN/132KVGSS/SUWANA/2016-17/F-CLRC/D.136 Dt. 21.09.2016**

To,

All Registered CLRC Contractor of RVPN.

Subject: - Regarding Maintenance work of bay equipment, Transformer and Bus Bar section for the FY 2016-17 at 132 KV GSS, Suwana, Bhilwara.

Dear Sir,

On the above cited subject it is to intimate you that the Maintenance work for two frequency (for the FY 2016-17) of bay equipment, Transformer and Bus Bar section is required to be done on CLRC Basis at 132 KV GSS, Suwana, Bhilwara. So you are requested to send your consent within 07 days i.e. upto 5.00 PM on dated 27.09.2016, so that the said work may get complete.

Assistant Engineer,  
132 KV GSS, RVPNL,  
Suwana, Bhilwara.

## “G” SCHEDULE

**NAME OF WORK :- MAINTENANCE WORK OF BAY EQUIPMENTS, TRANSFORMERS & BUSBARS at 132 KV G.S.S. SUWANA.**

1. The base date for the rates given in this schedules is 01.01.2011

BS R No.	Description	Quantity ( Nos)	Rate in (Rs.)	Unit	Freque ncy	Amount	BSR above	TOTAL Amount
<b>3.0</b>	<b>Maintenance of Bay Equipments.</b>							
	<p>Providing of work assistance as given below in Maintenance work of following bay equipments such as Circuit Breaker, Current Transformers, Lightning Arrestors, Isolators, CVTs, PLCC equipments 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.)</p> <p>a) Checking of tightness of clamps &amp; connectors.</p> <p>b) Cleaning of all insulators.</p> <p>c) Attending to oil leakage, if any.</p> <p>d) Cleaning of all Junction Boxes and secondary terminal boxes.</p> <p>e) Checking of operation of CB through relays and verifying various logic and control circuits and annunciation circuits.</p> <p>f) Measurement of CB operation timings.</p> <p>g) Checking of Isolator operation and its alignments.</p> <p>h) Checking of gas pressures like SF6 &amp; N2 in circuit breakers/CTs, etc.</p> <p>i) Measurement of IR values of LAs, CTs and</p>							





	CVTs. j) Lubrication of defined parts of all equipments all required points. k) Washing the equipments. In case oil stains are present, then washing is to be done with use of detergent solution. l) Cleaning of C&R panel from inside. m) Providing other related work assistance as may be required by In charge.							
3.1	400 KV bay (1 No. Supervisor + 10 Nos. Workmen)							
3.2	220 KV bay (1 No. Supervisor + 8 Nos. Workmen)							
3.3	132 KV bay (1 No. Supervisor + 6 Nos. Workmen)	05 Nos	1892.00	Each Bay	02 times	18920.00	60%	30272.00
3.4	33 or 11 KV bay (1 No. Supervisor + 5 Nos. Workmen)	10 Nos	1666.00	Each Bay	02 times	33320.00	60%	53312.00
4.0	<b>Maintenance of Power Transformers</b>							
	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) Cleaning of Buchholz & oil surge relays. d) Cleaning of glasses of all oil level indicators. e) Cleaning of marshalling box, cooler control cubicle, thermometer, etc., as provided. f) Attending to oil leakage from Tr. Body & Bushings.							




	g) Checking of oil level in oil filled bushings.							
	h) Checking of Drycol air drying system. i) Measurement of I.R. values. j) Measurement of earth resistance. k) Testing of PRD l) Checking of tripping circuits of Buchholz & WDG, oil temperature controls and Protection scheme. m) Checking of OLTC gear operations. n) Checking of auto circuits of cooling bank. o) Taking of oil samples for testing. p) To carryout other special measurements as may be required. q) Providing of other related work assistance as may be required by Work In charge.							
4.1	400/220 kV, 315 MVA or 250 MVA ( 8 Nos. Workmen)							
4.2	220/132 kV,100 MVA or50 MVA and 220/33 kV, 50MVAor35 MVA (6 Nos. Workmen)							
4.3	132/33 kV & 132/11kV (All capacities) (5 Nos. Workmen)	02 Nos	1220.00	Each Trf.	02 times	4880.00	60%	7808.00
4.4	33/11 kV & Aux. supply station Transformer (3 Nos. Workmen)	01 Nos	774.00	Each Trf.	02 times	1548.00	60%	2476.80
5.0	<b>Maintenance of Bus Bars and Associated Equipments</b>							
	Providing work assistance as given below in maintenance work of Bus bars of various voltage levels. (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) Replacement of worn out clamps & connectors of bus during work under item No. (a). c) Cleaning of all insulators of suspension and tension strings of bus bars 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. f) Lubrication of all moving parts. g) Providing of other related work assistance as may be required by Work In charge.							
<b>5.1</b>	400 KV Bus Section (1 No. Supervisor + 8 Nos. Workmen)							
<b>5.2</b>	220 KV Bus Section (1 No. Supervisor + 6 Nos. Workmen)							
<b>5.3</b>	132 KV Bus Section (1 No. Supervisor + 4 Nos. Workmen)	<b>4 Nos</b>	<b>1446.00</b>	<b>Each Section.</b>	<b>02 time</b>	<b>11568.00</b>	<b>60%</b>	<b>18508.80</b>
<b>5.4</b>	33 KV or 11 KV Bus section (1 No. Supervisor + 4 Nos. Workmen)	<b>3 Nos.</b>	<b>1351.00</b>	<b>Each Section</b>	<b>02 time</b>	<b>8106.00</b>	<b>60%</b>	<b>12969.60</b>

**Rs. - 125347.20**

**(Rs. One Lac Twenty Five Thousand and Three Hundred Forty Seven Only)**



Junior Engineer  
132 KV GSS, RRVPNL,  
Suwana (Bhilwara)



Assistant Engineer  
132 KV GSS, RRVPNL,  
Suwana (Bhilwara)