

PART-A  
"G" SCHEDULE

**NAME OF WORK:-Maintenance work of Bay,Equipment,Transformer & Busbar at 220KV GSS Sujangarh for the FY:**

**Name of office** : - Executive Engineer, 220 KV GSS, RVPN, Sujangarh

BSR NO.	DESCRIPTION	unit	RATE in Rs.	QTY. (Nos)	frequency	Amount	60% Above BSR	Total Amount
3	<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  b) Cleaning of all insulators.  c) Attending to oil leakage, if any.  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.  g) Checking of Isolator operation and its alignments.  h) Checking of gas pressures like SF6 &amp; N2 in circuit breakers/CTs, etc  i) Measurement of IR values of LAs, CTs and CVT's  j) Lubrication of defined parts of all equipments all required points.</p>							

	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 Incharge.							
3.1	400 KV bay (1 No. Supervisor + 10 Nos. Workmen)	NIL	NIL	NIL	NIL	NIL	NIL	NIL
3.2	220 KV bay (1 No. Supervisor + 8 Nos. Workmen)	Each Bay	2332.00	7	1	16324	9794.4	26118.4
3.3	132 KV bay (1 No. Supervisor + 6 Nos. Workmen)	Each Bay	1892.00	10	1	18920	11352	30272
3.4	33 KV bay (1 No. Supervisor + 5 Nos. Workmen)	NIL	NIL	NIL	NIL	NIL	NIL	NIL
3.4	11 KV bay (1 No. Supervisor + 5 Nos. Workmen)	NIL	NIL	NIL	NIL	NIL	NIL	NIL
							Total	₹ 56,390.40

4	<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. Measurement of I.R. values.	i)						

	<p>j) Measurement of earth resistance. k) Testing of PRD</p> <p>l) Checking of tripping circuits of Buchholz &amp; WDG, oil temperature controls and Protection scheme.</p> <p>m) Checking of OLTC gear operations.</p> <p>n) Checking of auto circuits of cooling bank.</p> <p>o) Taking of oil samples for testing.</p> <p>p) To carryout other special measurements as may be required.</p> <p>q) Providing of other related work assistance as may be required by Work Incharge.</p>								
4.1	400/220 kV, 315 MVA or 250 MVA ( 8 Nos. Workmen)	Each Tr.	NIL	NIL	NIL	NIL	NIL	NIL	NIL
4.2	220/132 kV, 100 MVA or 50 MVA and 220/33 kV, 50 MVA or 35 MVA ( 8 Nos. Workmen)	Each Tr.	1357.00	2	1	2714	1628.4	4342.4	
4.3	132/33 kV & 132/11kV (All capacities) (5 Nos. Workmen)		NIL	NIL	NIL	NIL	NIL	NIL	NIL
4.4	33/11 kV & Aux. supply station Transformer (3 Nos. Workmen)	Each Tr.	774.00	1	1	774	464.4	1238.4	
								Total	₹ 5,580.80

5	<b>Maintenance of Bus Bars and Associated Equipments</b>								
	<p>Providing work assistance as given below in maintenance work of Bus bars of various voltage levels. (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) Tightening of clamps &amp; connectors on overhead bus conductors and gantries (at a maximum height of 25 metre using safety belts). Also, tightening of clamp/ connectors of all bus side associated equipments.</p>								
	<p>b) Replacement of worn out clamps &amp; connectors of bus during work under item No. (a).</p> <p>c) Cleaning of all insulators of suspension and tension strings of bus bars and insulators of bus isolators, Bus CVT's /PT's</p>								

	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 Incharge.							
5.1	400 KV Bus Section (1 No. Supervisor + 8 Nos. Workmen)	Each section	NIL	NIL	NIL	NIL	NIL	NIL
5.2	220 KV Bus Section (1 No. Supervisor + 6 Nos. Workmen)	Each section	1940.00	9	1	17460	10476	27936
5.3	132 KV Bus Section (1 No. Supervisor + 4 Nos. Workmen)	Each section	1446.00	6	1	8676	5205.6	13881.6
5.4	33 KV or 11 KV Bus section (1 No. Supervisor + 4 Nos. Workmen)	Each section	NIL	NIL	NIL	NIL	NIL	NIL
Total								₹ 41,817.60

**Grand Total Of Item No. 3,4,& 5 = ₹ 103,788.80**  
**(Rs. Five Lacs Nine Hundred Sixty Only)**



Executive Engineer  
220KV GSS RVPNL,Sujangarh

**RAJASTHAN RAJYA VIDYUT PRASARAN NIGAM LIMITED**  
**(An ISO 9001:2008 Certified Company)**  
**OFFICE OF THE EXECUTIVE ENGINEER (220 KV GSS)**  
**RRVPNL, SUJANGARH (Churu) Tel. no. 01568-203384**  
**xen\_220\_sujangarh@rvpn.com**

No RRVPNL/XEN/220KV GSS/ SUGH/ . Estt. /D 214 Dated 30.08.2016

M/s All Enlisted Contractors Under  
RVPNL/Jodhpur Zone

Sub: Regarding consent for execution of Bay maintenance work at 220 KV GSS,  
Sujangarh for 2016-17.

On above cited subject, it is intimated that Bay maintenance, power transformer & Bus-Bar maintenance work at 220 KV GSS, Sujangarh to be awarded for year 2016-17 as per CLRC rate.

So convey your consent within 10 days from issue of this letter for above work, so that further necessary action may be initiated .

Enclosed: - G- Schedule.



Executive Engineer  
220KV GSS Sujangarh

**:2016-17**

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