



**RAJASTHAN RAJYA VIDYUT PRASARAN NIGAM LIMITED**

*(An ISO 9001:2000 Certified Company)*

**OFFICE OF THE EXECUTIVE ENGINEER (220 KV GSS) DHOD**

NO.RVPN/XEN(220KV GSS)/DHOD/F- Tech /D 202 Date 8.8.2017

**To**

**All Registered Contractors  
Under T&C, Ajmer Zone**

**Sub:- Consent for execution of Bay/Equipment Maintenance work on CLRC rates for  
FY 2017-18 at 220 KV GSS, RVPN,Dhod**

Dear sirs ,

Your consent is desired for executing the Bay/Equipment Maintenance work at 220 KV GSS , RRVPNL, Dhod (Sikar) for the year 2017-18 on CLRC basis as per the details mentioned in the enclosed G-Schedule.

Therefore you are requested to convey your consent within 7 days in writing along with copy of valid registration so the case may be further processed.

**Encl: 'G' Schedule of the GSS.**

Executive Engineer  
220 KV GSS RVPN DHOD

PART -A  
"G" SCHEDULE

Name of Work :- Maintaince Work of Bay , Equipment Transformer & Busbar at 220Kv G.S.S DHOD

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.  e) Checking of operation of CB through relays and verifying various logic and control circuits and annunciation circuits.  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.  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&amp;R panel from inside.  m) Providing other related work assistance as may be required by Incharge.</p>							
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	5	1	11660	6996	18656
3.3	132 KV bay (1 No. Supervisor + 6 Nos. Workmen)	Each Bay	1892.00	11	1	20812	12487.2	33299.2
3.4	33 or 11 KV bay (1 No. Supervisor + 5 Nos. Workmen)	Each Bay	1666.00	20	1	33320	19992	53312
<b>Total</b>								<b>₹ 105,267.20</b>

4	<b>Maintenance of Power Transformers</b>							
4.1	<p>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&amp;P shall be provided by RVPN. Cleaning material and general T&amp;P shall be arranged by the contractor.)</p> <p>a) Cleaning of porcelain of bushings.  b) Checking of tightness of clamps &amp; connectors.  c) Cleaning of Buchholz &amp; 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 &amp; 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 &amp; 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 Incharge.</p> <p>400/220 kV, 315 MVA or 250 MVA ( 8 Nos. Workmen)</p>	Each Tr.	NIL	NIL	NIL	NIL	NIL	
4.2	220/132 kV, 100 MVA or 50 MVA and 220/33 kV, 50 MVA or 35 MVA (6 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)	Each Tr.	1220.00	3	1	3660	2196	5856
4.4	33/11 kV & Aux. supply station Transformer (3 Nos. Workmen)	Each Tr.	774.00	4	1	3096	1857.6	4953.6
Total							₹ 15,152.00	

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> <p>d) Checking of operation 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>g) Providing of other related work assistance as may be required by Work Incharge.</p>							
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	4	1	7760	4656	12416
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	1351.00	15	1	20265	12159	32424
							Total	₹ 58,721.60

**Grand Total Of Item No. 3,4,& 5 =  
(Rs. one Lacs Fseventy nineThousand one Hundred fortyOne Only)**

**₹ 179,140.80**