

RAJASTHAN RAJYA VIDHYUT PRASARAN NIGAM LTD

(An ISO 9001:2008 Certified Company)

(A Government of Rajasthan Undertaking)

(Registered Office Vidhyut Bhawan, Jan Path, Jyoti Nagar, Jaipur)

OFFICE OF THE EXECUTIVE ENGINEER (220 KV GSS DEBARI) TEL NO. 0294-2658053

E-mail ID: xen\_220\_debari@rvpn.co.in

NO. RVPNL/XEN (220 KV)/DBR/PS/2016-17 / D. - 233 Dated:-09.08.2016


M/S Sunrise Electricals, Jaipur  
M/S Gayatri Service Solutions, Jaipur  
M/S Karni Electricals, Ajmer  
M/S Vinayak Enterprises, Udaipur  
M/S Ashapura Trading Co. Jodhpur  
M/S Geetanjali Electro construction, Bhilwara  
M/S Vishwakarma construction, Jaipur  
M/s Anil Traders, Ashok Nagar, Udaipur

**SUBJECT:** -Consent for bay and equipment maintenance at 220KV GSS Debari for FY 2016-17.

**REFERENCE:** CLRC order no. RVPN/SE/SSPC/TK/A.I/TN-2975/CLRC/D.501 dt 24.05.2013


With reference to above, you are being the registered E-I/E-II contractor of this circle for awarding work on CLRC as such you are requested to please submit your consent to this office latest by 16.08.2016 positively so that work order procedure may be initiated for Bay and equipment maintenance work at 220KV GSS Debari.

The G-schedule of 220KV GSS Debari is being enclosed herewith for your reference with response to submit your consent before schedule date.

  
EXECUTIVE ENGINEER  
(220 KV GSS DEBARI)  
RVPNL debari

Copy submitted /forwarded to the following for the information and Necessary action:

1. The Superintending Engineer (TCC-VII), RVPN Udaipur.
2. The Accounts Officer (TCC-VII) RVPN Udaipur.

  
EXECUTIVE ENGINEER  
(220 KV GSS DEBARI)  
RVPNL debari

Rajasthan Raja Vidhyut Prasaran Nigam Limited

(An ISO 9001 : 2008 Certified Company)

Executive Engineer (220 KV GSS) Debari

Name of Works: G- Schdule of Maintenance work at 220 KV GSS Debari for FY 2016-17

S.No.	PARTICULARS	No.Of Units	Frequency of Maintenance	RATES WITH ADD	AMOUNT	TOTAL
(A)	(A) Maintenance work of following bay equipments such as circuit breakers, current transformers, Lightning arrestors, Isolators, CVTs, PLCC equipments and corresponding control and relay panels. (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) Checking of tightness of clamps and connectors b) Cleaning of Insulators c) Assistance to RVPN in attending to 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 circuits and annunciation circuit f) Assistance to RVPN in measurement of CB operation timings. g) Checking of isolator operation and its alignment. h) Checking of GAS pressure like SF6 & N2 in circuit breakers / CTs etc i) Assistance to RVPN in measurement of IR values of LAs, CTs and CVTs j) Lubrication of defined parts of allequipments at all required points. k) Washing of equipment in case oil stains are present then washing is to done with use of detergent solution. l) Cleaning of C&R panel from inside m) Tightening of clamps & connectors and spacers on overhead bus conductors and ganties (at a maximum height of 25 meter using safety belts) Also, tightening of clamp/ connectors of all associated equipments connected to such overhead bus n) Providing other related assistance as may be required by in charge					
(i)	220 KV Bays	12	2	2,332.00	55,968.00	
(ii)	132 KV Bays	18	2	1,892.00	68,112.00	
(iii)	33 & 11 KV Bays	12	2	1,666.00	39,984.00	164,064.00
(B)	(B) Maintenance of Power Transformers Maintenance work 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 and oil surge relays. d) Cleaning of glassess of all oil level indicators. e) Cleaning of marshaling box, cooler control cubical, thermometer etc as provided f) Assistance to RVPN in attending to oil leakage from transformer body and bushings g) Checking of oil level in oil filled bushings h) Checking of Drycol air drying system i) Assistance to RVPN in measurement of IR values. j) Assistance to RVPN in measurement of earth resistance k) Assistance to RVPN in testing of PRD l) Assistance to RVPN in checking of tripping circuits of Buchholz & winding oil temperature controls and protection scheme. m) Checking of OLTC gear operation n) Assistance to RVPN in checking of auto circuits of cooling bank. o) Taking of oil samples for testing. p) Assistance to RVPN in carrying out other special measurements as may be required. q) Providing of other related work assistance as may be required by work					
(i)	220/ 132 KV (All capacities) (6 Nos. Workmen)	5	2	1,357.00	13,570.00	
(ii)	132 / 33 KV & 132 / 11 KV (All capacities) (5 Nos. Workmen)	3	2	1,220.00	7,320.00	
(iii)	33 /11 KV & Aux. Supply station transformer (3 Nos. workmen)	3	2	774.00	4,644.00	25,534.00
(C)	(C) Maintenance of Bus Bars and Associated Equipments 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 and connectors on overhead bus conductors and ganties (at a maximum height of 25 meters using safety belts). Also tightening of clamps and connectors of all bus side associated equipments b) Replacement of worn out clamps & connectors of bus during work under item no.1 c) Cleaning of all insulators of suspension and tension strings of bus bars and insulators of bus isolators, Bus CVTs, PTs d) Checking of operation of Bus isolators and their alignment including motonized operation. e) Maintenance of operating mechanism and 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					
(i)	220 KV Bus section	4	2	1,940.00	15,520.00	
(ii)	132 KV Bus section	7	2	1,446.00	20,244.00	
(iii)	33 KV Bus section	6	2	1,351.00	16,212.00	51,976.00
<b>TOTAL</b>						<b>241,574.00</b>
Above on CLRC 60%						144,944.40
<b>GRAND TOTAL ( Rounded Off)</b>						<b>386,518</b>

Amount in Words ( Rs.) : Three Lac Eighty Six Thousand Five Hundred Eighteen Only

  
EXECUTIVE ENGINEER (220 KV-GSS)  
R.R.V.P.N.L. DEBARI (UDAIPUR)