



RAJASTHAN RAJYA VIDHYUT PRASARAN NIGAM LIMITED

Corporate Identity Number(CIN):U40109RJ2000SGC016485

Reg office: Vidyut Bhawan, Janpath, Jyoti Nagar ,Jaipur-302005

OFFICE OF THE SUPERINTENDING ENGINEER (T&C)RAMGARH, JAISALMER

Email id:- xen.220.ramgarh@rvpn.co.in

No.- RVPN/SE /T&C /RMGH/Tech/F /D - 185

Date - 02/01/2017

All The Registered Contractor

Of The ZCE(T&C), RVPNL , JODHPUR.

Sub. – Maintenance work of Bay Equipments, Power Transformer & Bus Bar Etc. at 220 KV GSS , Ramgarh(Jaisalmer).

Kindly find enclosed herewith the enlisted firms under the ZCE(T&C), RVPNL, Jodhpur Zone of this office wants your consent for work of maint. Of Bay equipments, Power Transformer and Bus bar etc. at 220 KV GSS , Ramgarh under the control of the SE(T&C), RVPNL, Ramgarh circle at approved rates of RVPN as pre G – Schedule enclosed with this letter.

So, interested firms to carry out the above work may give their consent/ acceptance within 10 days from the date of issue of this letter otherwise it will be presumed that you are not interested to carry out / execute the maintenance work and same will be awarded to the other contractor registered contractor in the Zone.

Thanking you

Encls. – G Schedule of work

Yours faithfully

Supertending Engineer(T&C)

R.R.V.P.N.L., RAMGARH

Copy submitted to the followings for information and n/a please –

- 1) The Executive Engineer(220 KV GSS) RVPN, RAMGARH
- 2) THE Feeder Manager(T&C), RVPNL, Jodhpur with request to upload this letter.
- 3) The Accounts Officer (T&C) RVPNL, Ramgarh.

SUPERINTENDING Engineer(T&C)

R.R.V.P.N.L., RAMGARH

RAJASTHAN RAJYA VIDHYUT PRASARAN NIGAM LIMITED
(An ISO 9001: 2008 certified company)
Office of The Executive Engineer (220 KV GSS) RAMGARH{JAISALMER}

'G' SCHEDULE FOR MAINTENANCE WORK AT 220 KV GSS RAMGARH{JAISALMER}
(as per BSR 2011)

Code	Description	Unit	Qty.	Rate	Amount (in Rs.)	Half yearly/ yearly /Quarterly	Total Amount (in Rs.)
3.0	Maintenance of Bay Equipment						
	Providing of work assistance as given below in maintenance work of following bay equipments such as Circuit Breaker , Current transformer, Lighting arrestors, Isolators , CVTs ,PLCC Equipments and corresponding Control and Relay panels . (All spares, lubricating material and special T&P shall be provide by RVPN . Cleaning material and general T&P shall be arrange by the contractor. 1) Checking of tightness of clamp & connectors. 2) Cleaning of all insulators. 3)Attending to oil leakage , if any . 4)Cleaning of all junction Boxes and secondary terminal boxes 5)Checking of operation of CB through Realy and verifying various logic and control circuits and annunciation circuits . 6) Measurment of CB operation timings. 7) Checking of isolator operation and its alignments.8) Checking of gas pressure like SF6 & N2 in circuit breakers /CTs etc.9)Measurment of IR values of LAs , CTs and CVTs Lubrication of defined parts of all equipments all required points . 10)Washing the Equipments . In case oil stains are present , then washing is to be done with use of detergent solution .11) providing other related work assistance as may be required by Incharge .						
3.2	220 KV Bay	Each bay	6	2332	13992.00	Half yearly	27984.00
3.3	132 KV Bay	Each bay	4	1892	7568.00	Half yearly	15136.00
3.4	33 KV Bay	Each bay	8	1666	13328.00	Half yearly	26656.00
4.0	Maintenance of Power transformers						
	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 provide by RVPN . Cleaning material and general T&P shall be arrange by the contractor.) 1) Cleaning of Porcelain of bushing . 2) Cheacking of tightness of clamps & connectors. 3)Cleaning of Buchholz & oil surge relays 4)Cleaning of glasses of all oil level indicators.5) Cleaning of marshalling box, cooler control cubicle, thermometer etc as provided 6)Attending to oil leakage from Tr. Body & Bushing . 7) Checking of oil level in oil filled bushings. 8) Cheacking of Drycol air drying system.9) Measurement I.R. values 10)Testing of PRD 11) Checking of tripping circuits of Buchholz & WDG, oil temperature controls and protection scheme.12) Checking of OLTC gear operations. Checking of auto circuits of cooling bank 13) taking of oil samples for testing .14) To carryout other special measurment as may be required. 15) providing of other related work assistance as may be required by work Incharge.						
4.2	220 KV Shunt Reactor	Each React.	0	1357	0.00	Half yearly	0.00
4.2	220/132KV, 160 MVA	Each Trf.	1	1357	1357.00	Half yearly	2714.00
4.2	220/132KV, 100 MVA	Each Trf.	0	1357	0.00	Half yearly	0.00
4.3	132/33, 40/50 MVA	Each Trf.	0	1220	0.00	Half yearly	0.00
4.3	132/33, 20/25 MVA	Each Trf.	1	1220	1220.00	Half yearly	2440.00
4.4	33/0.4, 250 KVA	Each Trf.	1	774	774.00	Half yearly	1548.00
5.0	Maintenancance of Bus Bar & Associated Equipment						

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	Providing of work assistance as given below in maintenance work of Bus bars of various Voltage level . (All spares, lubricating material and only special T&P shall be provide by RVPN . Cleaning material and general T&P shall be arrange by the contractor.) 1)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 . 2)Replacement of worn out clamps & connectors of bus during work under item no (1).3) Celeaning of all insulators of suspension and tension string of bus bars and insulators of bus isolators Bus CVT s / PTs. 4)Cheacking of Operation of Bus Isolators and their aligment including motorized operation .5)Maintance operating mechanism & switches , etc. 6) Lubraction of all moving parts.7) providing of other related work assistance as may be required by work incharge .						
5.2	220 KV Bus Section	Each Section	21	1940	40740.00	yearly	40740.00
5.3	132 KV Bus Section	Each Section	22	1446	31812.00	yearly	31812.00
5.4	33 KV Bus Section	Each Section	6	1351	8106.00	yearly	8106.00
8.0	Maintanance of D.C. System						
	Providing of work assistance for the work of maintenance of D.C. system including distribution boards, battery banks & charger of various capacities . 1) To take reading of voltage of all battery cells.2)checking tempreture of cell 3) Checking and cleaning of terminal & lugs.4) Application of Perroleum jelly on terminals5) Checking capcity by switching off battery charger as per RVPN procedure and charging of batteries by boost charging.6) Cleaning of charger and its components from inside by blower 7) Cleaning of DC distribution board.8)Cleaning of battery cases and battery stand including insulators . (Material and only special T&P shall be provide by RVPN . Cleaning material and general T&P shall be arrange by the contractor.						
8.4	220 D.C. System with VRLA type Battery Set	Each set	1	678	678.00	Half yearly	1356.00
8.5	110 D.C. System with VRLA type Battery Set	Each set	0	500	0.00	Half yearly	0.00
10	EMERGENCY-MAINTENANCE OF SUB SATION						
	Providing of work assistance to attending emergency maintenance works of 220 KV GSS for various equipments like , Power transformers with associated controls & accessories, breakers , isolators bus bars , air / gas system CTs, CVTs /PTs, LAs auxilary power supply system & D.C. system on following basis. (All spares , lubricating material and only special T&P shall be provide by RVPN . Cleaning material and general T&P shall be arrange by the contractor.						
10.2	220 KV Sub Station	Per day	4	2023	8092.00	Quarterly	8092.00
11.0	Maintanence of LT system & Yard lights						
	Providing of work assistance for maintenance of LT system and Yard lights and other work 1) Maintenance of LT switchgear by withdrawl and inseration of LT incomer modules . 2) Opening & refixing replacement or repair of damaged / worn out parts 3) Replacement of fuses , all fused bulbs , tube roads , HPSV lamp , HPMV lamp, indicating lamps , Amp meter and Volt meter etc. 4) Replcement / repairs of defective switches & fixtures in control room building and yard lightening & cleaning of fixture covers. 5) Changing of defective ballasts, ignitors , starters , condensers etc.6) Replacement/ repair of ceiling fans & regulators .7) Replacement/ repair of electrical wiring , cable in Control room building and yard including minor extension of wiring and fittings . 8) To providing work assistance in any other works related to maintenance of LT system and Yard lights as may be required by work incharge .						
11.3	220 KV GSS (1 day in a quarter) per day	Per day	4	494	1976.00	Quarterly	1976.00
		Total				Rs	168560.00
		60% above as per CLRC				Rs.	101136.00
		Grand Total				Rs	269696.00

Rupees. Two lac Sixty Nine Thousand Six hundred Ninty Six only

Note- The above rates are firm and inclusive if Income Tax, Service Tax, Sales Tax, Insurance Chrages, Work contract Tax & CESS on building & other Construction Works Liveable as per applicable laws.

(Signature)

(Signature)
Executive Engineer
220 KV GSS, RVPN
Ramdarh (Jaisalmer)