

RAJASTHAN RAJYA VIDHYUT PRASARAN NIGAM LIMITED


"G" Schedule for maintenance work of 400KV & 220KV bays and Bus bar section at 400KV

GSS,RVPN, Surpura, Jodhpur. (SCHEDULE III) for the YEAR (2017-2018)

Code No.	Description	Unit	Rate	Qty.	Amount(Rs.)
3	<u>Maintenance of Bay Equipments</u>				
	<p>Providing of work assistance as given below in maintenance work of following bay equipment such as circuit breaker ,current transformer ,lighting arrestor ,isolater ,CVT ,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 .)</p> <p>(a) Checking of tightness of clamps and 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 limiting (g) Checking of isolator operation and its alignments (h) Checking of gas pressure like SF-6 & N₂ in circuit breakers/ CTs etc .</p>				
3.1	400KV Bay (1 No. Supervisor + 10 Nos . Workmen)	Each Bay	2773	6	16638
3.2	220KV Bay(1 No. Supervisor + 08 Nos . Workmen)	Each Bay	2332	12	27984
4	<u>Maintenance of Power Transformer</u>				
	<p>Providing of work assistance as given below in Maintenance of power transformer 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.)</p> <p>a) Cleaning of porcelain of bushings. b) Checking of tightness of clamps & connector 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.</p> <p>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 circuit of Buchholz & WDG, oil temperature controls and protection schemes.</p> <p>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>				

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Code No.	Description	Unit	Rate	Qty.	Amount(Rs.)
4.1	400/220kV ,315MVA or 250MVA (8 Nos. Workmen)	Each Trf.	1797	2	3594
4.2	220/132kV, 100MVA or 50MVA and 220/33kV ,50mva or 35 MVA	Each Trf.	1357	1	1357
5	Maintenance of Bus Bar and Associated Equipments				
	<p>Providing of work assistance as given below in maintainance work of bus bars of various voltage level .(all spares , lubricating material and anly special T&P shall be provided by RVPN. Cleaning material and general T&P shall be arrange by the contractor .)</p> <p>(a) tightening of clamps and connectors on overhead bus bar conductors and gantries (at a maximum hieght of 25 metre using safety belts). Also , tightening of flame/ connectors of all bus side assoiciated equipments.</p> <p>(b) replacement of warm out clamps and connectors of bus during work under item number(a).</p> <p>(c) cleaning of all insulators of suspension and tension strings of bus bars and insulators of bus isolators, bus CVTs and PTs .</p> <p>(d) Checking of operation of bus isolators and there alignment including motorized operation .</p> <p>(e) Maintanance of operating mecanism and switches , etc .</p> <p>(f) Lubrication of all moving parts .</p> <p>(g) Providing of otherrelated work assistance as may be required by work incharge.</p>				
5.1	400KV Bus Section (1 No. Supervisor + 08 Nos . Workmen)	Each Section	2386	12	28632
5.2	220KV Bus Section (1 No. Supervisor + 06 Nos . Workmen)	Each Section	1940	24	46560
TOTAL(Rs.) for i quarter					124765
G.TOTAL(Rs.)					124765
Rs.One Lac Twenty Four Thousand Seven Hundred Sixty Five Only					


 Executive Engineer (400 kV GSS),
 RVPN, Jodhpur