



RAJASTHAN RAJYA VIDHUT PRASARAN NIGAM LIMITED
(Corporate Identity Number(CIN): U40109RJ2000SGC016485)

Regd. Office: Vidhut Bhawan, Jyoti Nagar, Janpath, Jaipur-302005
(An ISO 9001:2008 Certified Company)

Assistant Engineer (132 KV GSS) RVPNL, Mandalgarh(BHL)

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No. RVPNL/AEN / 132 KV GSS /Mandalgarh /F.CLRG / D. 215 Date 19/09/2017

To,
All Enlisted Contractor
Of SE (T&C)RVPNL

Ajmer/ Bhillwara

Sub.-: Work of Maintenance of Bays Equipment, Transformer and Bus Bars at 132 KV GSS, RVNL,
Mandalgarh (BHL) for the FY 2017-18
Ref.:⁽²⁾Mo. RVPN / SE / SSPC / TK / A.1 / TN – 2975/CLRC / D. 501 Dated 24-05-2013.

With reference to above said letter and subject matter captioned we are sending you the copies of G – Schedules for following works to be carried out at A.En (132 KV GSS) Mandalgarh(BHILWARA) for the financial year 2017-18 :-

1. Work of Maintenance of Bays, Transformer, Equipments & Bus Bar Sections at 132 KV GSS, RVNL, Mandalgarh (BHL) for the FY 2017-18

You are requested to submit your acceptance for the above said works up to 26-09-2017, so that the case can be processed for obtaining sanction of the work.

Enclosed :- G Schedule

Rajesh
Assistant Engineer
132 KV GSS RVPN
Mandalgarh(Bhl)

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Assistant Engineer
132 KV GSS RVPN
Mandalgarh(Bhl)

Copy submitted to the Superintending Engineer (T&C) RVPNL Bhillwara for upload in Portal.

"G" SCHEDULE

NAME OF WORK :- MAINTENANCE WORK OF BAY , EQUIPMENTS, TRANSFORMERS & BUS BARS AT 132 KV G.S.S. MANDALGARHI (BHL).

1. The rates for the repair and maintenance works given in this BSR are inclusive of all types of labor charges, but exclusive of service tax, sales tax and insurance charges, etc.

2. The base date for the rates given in this schedules is 01.01.2011

BSR No.	Description	Quantity (No's)	Rate in (Rupees)	Unit	Frequency	Amount	BSR above	TOTAL Amount
3.0	Maintenance of Bay Equipments. 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&P shall be provided by RVPN. Cleaning material and general T&P shall be arranged by the contractor.) a) Checking of tightness of clamps & 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 & N2 in circuit breakers/CTs, etc. i) Measurement of IR values of LAs, CTs and CVTs. 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&R panel from inside. m) Providing other related work assistance as may be required by In charge.							
3.1	400 KV bay (1 No. Supervisor + 10 Nos. Workmen)							
3.2	220 KV bay (1 No. Supervisor + 8 Nos. Workmen)							
3.3	132 KV bay (1 No. Supervisor + 6 Nos. Workmen)	05 Nos	1892	Each Bay	01 times	9460	60%	15136
3.4	33 or 11 KV bay (1 No. Supervisor + 5 Nos. Workmen)	0 Nos	1666	Each Bay	0 times	0	60%	0.00
4.0	Maintenance of Power Transformers Providing of work assistance as given below in Maintenance of Power Transformers for the							

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5.0	Maintenance of Bus Bars and Associated Equipments								
4.1	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.								
4.1	8 Nos. Workmen) 400/220 KV, 315 MVA or 250 MVA as may be required by Work Incharge. q) Providing of other related work assistance may be required. r) To carryout other special measurements as Protection scheme. m) Checking of OLTC gear operations. n) Checking of auto circuits of cooling bank. o) Taking of oil samples for testing. p) Checking of tripping circuits of Buchholz & WDG, oil temperature controls and								
4.2	(8 Nos. Workmen) 220/132 KV, 100 MVA or 50 MVA and 220/33 KV, 50MVA or 35 MVA								
4.3	(6 Nos. Workmen) 132/33 KV & 132/1KV (All capacities)								
4.4	(3 Nos. Workmen) 33/11 KV & Aux. supply station Transformer								
5.0	Maintenance of Bus Bars and Associated Equipments Providing work assistance as given below in maintenance work of Bus bars of various voltage levels. (All spares, lubricating material								

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	RVPN. Cleaning material and general T&P shall be arranged by the contractor.)								
	a) Tightening of clamps & 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. b) Replacement of worn out clamps & connectors of bus during work under item No. (a). c) Cleaning of all insulators of suspension and tension strings of bus bars and insulators of bus isolators, Bus CVT's /PT's 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 In charge.								
5.1	400 KV Bus Section (1 No. Supervisor + 8 Nos. Workmen)								
5.2	220 KV Bus Section (1 No. Supervisor + 6 Nos. Workmen)	09 Nos	1446.00	Each Section.	01 time	13014.00	60%	20822.40	
5.3	132 KV Bus Section (1 No. Supervisor + 4 Nos. Workmen)	11 Nos.	1351.00	Each Section.	01 time	14861.00	60%	23777.60	
5.4	33 KV or 11 KV Bus section (1 No. Supervisor + 4 Nos. Workmen)								

Rs. 67544.00

(Rs. Sixty seven Thousand five Hundred forty four Rupees Only)


EXECUTIVE ENGINEER
220 KV GS RVPN
MANDALGARH


JUNIOR ENGINEER
132 KV GSS RVPN
MANDALGARH


ASSISTANT ENGINEER
132 KV GS RVPN
MANDALGARH