



RAJASTHAN RAJYA VIDHYUT PRASARAN NIGAM LTD.
 (Corporate Identity Number(CIN): L40100RJ2000SG016485)

REGD. Office Vidhvat Bhawan Jodhpur Nagar Jodhpur 342005
OFFICE OF THE EXECUTIVE ENGINEER-22KV GSS RRVVNU TINVARI
 Phone no. 0296228242 email: ee-22@rajvidyutprasaran.nic.in
 Telephone no. 0296228242

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G-Schedule for the Maintenance Work of 22KV GSS Transformer for the Tr. 207-18 (During Mo. JUNE-2012)

S. No.	Description of work	Qty.	Rate As Per BSR on 01/01/2011	Total Amount (Rs.)
01.	Maintenance work of Bus Equipments Maintenance work of bus following such as Circuit Breaker, current Transformer, Lighting Arrester, Isolators, CTT's, PLCC equipment 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) 1. Checking of tightness of clamps & connectors. 2. Cleaning of all insulators. 3. Assistance to RVPN in attending to oil leakage if any. 4. Cleaning of all location boxes and secondary terminal boxes. 5. Assistance to RVPN in checking of operation of CB through relay and verifying various logic and control circuits and ammunition circuits. 6. Assistance to RVPN in measurement of CB operation. 7. Checking of isolator operation and its alignments. 8. Checking of gas pressure like SF ₆ & N ₂ in circuit breaker, CT, etc. 9. Assistance to RVPN in measurement of IR values of Bus CT's and CTT's. 10. Lubrication of defined parts of all equipments of all required points. 11. Washing the equipments in case oil stains are present then washing is to be done with use of detergent solution. 12. Cleaning of C & R panel from inside. 13. Tightening of clamps & connectors and spaces on overhead bus conductors and joints (at a maximum height of 75 meter using safety belts) also tightening of clamps/connectors of all associated equipments connected to such overhead bus. 14. Providing other related works assistance as may be required by in charge.	07	2327 per day	16221/-
A.	220 KV Bays	12	1892 per day	22704/-
B.	132 KV Bays	19	1666 per day	31654/-
C.	33111V Bays	07	TOTAL(A)=	70882/-
02.	Maintenance work of Power Transformer	Qty.	Rate As Per BSR on 01/01/2011	Total Amount (Rs.)

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Executive Engineer
 220 KV GSS Tinvari

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Maintenance of Power Transformer for the following types of Power Transformer/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) 1. Cleaning of porcelain bushings 2. Checking of tightness of clamps & connectors 3. Cleaning of Bushhole & oil surge relays. 4. Cleaning of glass of all oil level indicators 5. Cleaning of marshalling box, Cooler control cable, thermometer etc. as provided 6. Assistance to RVPN in attending to oil leakage from transformer Body & Bushes 7. Checking of oil level in oil filled bushings. 8. Checking of drop oil drying system. 9. Assistance to RVPN in measurement of IR values. 10. Assistance to RVPN in measurement of earth resistance. 11. Assistance to RVPN in testing of PFD. 12. Assistance to RVPN in checking of tripping circuits of Bushhole & WDG, oil temperature controls and protection scheme. 13. Checking of O/LT gear operation. 14. Assistance to RVPN in checking of auto circuits of cooling tank. 15. Taking of oil samples for testing. 16. Assistance to RVPN in carrying out other special measurement as may be required. 17. Providing of date related work assistance as may be required by Work in charge.	02	1357 per TRF	2714/-	
A.	220/132KV (60MVA, 100MVA)	03	1230 per TRF	3660/-
B.	132/33KV (All capacities)	01	774 per TRF	774/-
C.	33KV bus supply station Transformer	01	TOTAL(B)=	7118/-

03.	Maintenance of Bus Bars 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) 1. Tightening of clamps & connectors on overhead bus conductors and joints (at a maximum height of 75 Meter using safety belts) Also tightening of clamps/connectors of all bus side associated equipments. 2. Replacement of worn out clamps & connectors of bus during work under item No. (1) 3. Cleaning of all insulators of suspension and lessors strings of bus bars and insulators Bus (VTS/PT's 4. Checking of operation of bus isolators and their alignment including motorized operation. 5. Maintenance of operating mechanism & switches etc. of isolator. 6. Lubricating of all moving parts of isolators	Qty.	Rate As Per BSR on 01/01/2011	Total Amount (Rs.)
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7. Providing of other related work assistance as may be required by work in charge				
A.	220kV Bus Section	13	1940 per Section	₹ 25220/-
B.	132 kV Bus Section	15	1446 per Section	₹ 21690/-
C.	33/11 kV Bus Section	09	1351 per Section	₹ 12159/-
TOTAL (A+B+C)=				₹ 59069/-
TOTAL (A+B+C)=				₹ 1,36,869/-
Add Premium @ 60%=-				₹ 82121.40
GRAND TOTAL=-				₹ 218990.40
Say				₹ 2,18,990/-

(Rs. Two Lakh Eighteen Thousand Nine Hundred Ninety Only)

P. Singh
Executive Engineer
220KV GSSRB/BNL/Tinwari
990 K.V. GSS Tinwari