

(C) Providing work assistance as given below in 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 & connectors on overhead bus conductors and gantiers (at a maximum height of 25 meters using safety belts.) Also tightening of clamps / connectors of all bus side associated equipment.
- b) Replacement of worn out clamp & connectors of bus during work under item No. (a)
- c) Cleaning of all insulators of suspension and tension string of bus bars and insulators of bus isolators, Bus CVT,s /PT's
- d) checking of operations 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-Incharge

132 KV Bus Section (1No. supervisor+4 Nos.workmen)	02 Times	No.	1446	5	14460
33 KV Bus Section (1No. supervisor+4 Nos.workmen)	in a year	No	1351	5	13510
11 KV Bus Section (1No. supervisor+4 Nos.workmen)		No.	1351	2	5404

Total (A+B+C) in Rs.	109346.00
Add Premium @ 60% on amount Rs. 109346.00	65607.60

GRAND TOTAL AMOUNT IN Rs.	174953.60
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Rs. 174953.60

Say Rs. 174954.00

(Rupees One Lac seventy four thousands nine hundred fifty four only)

JEN-I(M)

Assistant Engineer
132 K.V.G.S.S
R.R.V.P.O.L, NAVALGARH

RVPN Nawalgarh for the Year 2016-17

S.No	Particulars	Frequency	Unit	BSR Rates	Qty.	Amount
1.	<p>(A) 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 arrange by the contractor.)</p> <p>a) Cleaning of porcelain of bushing. 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) Assistance to RVPN in attending to oil leakage from Tr. Body & Bushings. g) Checking of oil level in oil filled bushing. h) Checking of Dry coil 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 circuit of Buchholz & WDG, oil temperature controls and protection scheme. m) Checking of OLTC gear operations. n) Assistance to RVPN in checking of auto circuit of cooling bank. o) Assistance to RVPN in 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 in charges.</p> <p>132/33 KV 20/25MVA Transformer 2, & 132/33 KV, 40/50 MVA TR. 1 – total 2nos (5Nos. workmen) 33/11 KV, 5 MVA & 33/0.4 KV, 100 KVA Station Tr. (3 Nos. workman)</p>	02 Times in a year	No. No	1220 774	2 2	4880 3096
2.	<p>(B) Maintenance work of following bay equipments such as Circuit-Breakers, Current Transformers, Lightning Arrestors, Isolators, CVTs, 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.)</p> <p>a) Checking of tightness of clamps & connections. b) Cleaning of all Insulators. c) Assistance to RVPN in attending 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 & verifying various logic and control circuit & annunciation circuits. f) Assistance to RVPN in measurement of CB operation timings. g) Checking of Isolator operation and its alignments. h) Checking of gas pressures like SF6, N2 in cikt. breakers/CTs, etc. i) Assistance to RVPN in measurement of IR values of LAs, CTs, CVTs. j) Lubrication of defined parts of all equipment at all required points. k) Washing the equipment, in case oil stains are present, then washing is to be done with use of detergent. l) Cleaning of C & R panel from inside. m) Tightening of clamps & connectors and spacers on overhead bus conductors and gantries (at maximum height of 25 meters using safety belts) n) Providing other related work assistance as may be required by Incharge.</p> <p>132 KV Bay (1 No. supervisor + 6 Nos. workmen) 33 KV Bay (1 No. supervisor + 5 Nos. workmen) 11 KV Bay (1 No. supervisor + 5 Nos. workmen)</p>	02 Times in a year	No. No. No.	1892 1666 1666	3 13 4	11352 43316 13328

Handwritten signature
 JEN-IFM

Assistant Engineer
 132 K.V G.S.S
 R.V.P.N.L, NAWALGARH