

RAJASTHAN RAJA VIDHYUT PRASARAN NIGAM LTD
OFFICE OF THE ASSISTANT ENGINEER 132 K.V.G.S.S RVPN NPH JODHPUR

G-schedule P-1 Maintenance of Bay equipments for the year 2017-18 ASSISTANT ENGINEER 132KV G.S.S RVPN NPH JODHPUR

S. No.	Particulars	No. of bays	Total bays	Frequency of maintenance to be done in a year	Rate as per BSR for each bay	Amount as per BSR (01.04.2017)
1	Providing of work assistance as given below in Maintenance work of following bay equipments such as Circuit Breaker, Current Transformers, Lightning Arresters, Isolators, CVTs, PLCC equipments and corresponding Control & Relay panel. (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 alignment. h. Checking of gas pressures like SF6 & N2 in circuit breakers/CTs etc. i. Measurement of IR values of LAs, CB and CVTs. j. Lubrication of defined parts of all equipments of all required points. k. Washing the equipments, in case oil stains are present, then washing it to be done with use of detergent solution. l. Cleaning of CSR panel from inside. m. Providing other related work assistance as may be required by in charge.					
	1.132KV BAY	12	12	1	2518	30216
	2. 33 KV Bay	18	18	1	2218	39924
	3. 11 KV Bay	11	11	1	2218	24398
					TOTAL	94538
	TOTAL 1					94538

Ujendra
AEK 132KV
G.S.S., N.P.H.
R.P.N.L., JODHPUR

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S. No.	Particulars	No. of Transformer NPH Jodhpur	Total No of Transformer	Frequency of maintenance to be done in a year	Rate as per BSR for each bay	Amount as per BSR (01.04.2017)
2	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 provided by RVPN. Cleaning material and general T&P shall be arranged by the contractor.) a. Cleaning of porcelain of bushes. b. Checking of tightness of clamps & connectors. c. Cleaning of Buchholz and 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 transformer body & bushings. g. Checking of oil level in oil filled bushings. h. Checking of Drycol air drying drum. i. Measurement of IR values. j. Measurement of Earth Resistance. k. Testing of PRD. l. Checking of tripping circuits of Buchholz & WDG, oil temperature controls and protection scheme. m. Checking of OLTC gear operations. n. Checking of auto circuits of cooling bank. o. Taking of oil samples for testing. p. To carry out other special measurements as may be required. q. Providing of other related work assistance as may be required by work in charge.					
	132/33 AND 132/11 KV TRANSFORMER	6	6	1	1624	9744
	33/0.4 KV TRANSFORMERS	1	1	1	1031	1031
	11/0.4KV STATION TRANSFORMER	1	1	1	1031	1031
	Total					11806
	TOTAL 2					11806

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S. No.	Particulars	No. of Section of Bus Bars at NPH JODHPUR	Total No. of BUSBAR Section	Frequency of maintenance to be done in a year	Rate as per BSR for each bay	Amount as per BSR (01.04.2017)
3	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 conductors and gantries (at a maximum height of 25 meter using safety belts). Also tightening of clamps/connectors of all bus side associated equipments.					

b. Replacements of worn out c lamps & 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 CVTs/PTs.					
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.					
2. 132 KV Bus Bar	5	5	1	1925	9625
3. 33 KV Bus Bar	8	8	1	1798	14384
4. 11 KV Bus Bar	4	4	1	1798	7192
TOTAL in Rs.					31201
TOTAL 3					31201
Total (1+2+3) (in Rs.)					137545
Premium 60% (in Rs.)					82527
Grand Total (in Rs.)					220072
Say Rs. Two Lac Twenty Thousand Sventy Two Only/-					

Vijendra
AEN 132KV
G.S.S., N.P.H.
R.R.V.P.N.L., JODHPUR