



RAJASTHAN RAJYA VIDYUT PRASARAN NIGAM LIMITED,

(AN ISO 2000:2008 CERTIFIED COMPANY)

OFFICE OF THE ASSISTANT ENGINEER

132 KV GSS KHOOD(SIKAR)

NO: RVPN/AEN/132KV GSS/Khood / Bay Maint / D.71 /Dt. 08.08.2016

To,

“All CLRC / Registered Contractors under T&C Sikar Circle”

Sub:- Consent for execution of Bay Maintenance work on CLRC.

On the subject cited above it is intimated you that of Bay Maintenance work is due at 132 KV GSS , RRVPNL, Khood (Sikar) for FY 2017-18.

You are requested to convey your consent to execute Bay Maintenance work at this GSS intimate your consent within 10 days for executing the above said work of this office.

So that further action may be initiated.

Encl: ‘G’ Schedule of the GSS.

Assistant Engineer
(132 KV GSS RVPN), Khood

PART -A

"G" SCHEDULE

**Name of Work :- Maintenance Work of Bay , Equipment Transformer & Busbar at 132KV GSS
KHOOD**

BS R NO	DESCRIPTION	unit	RATE in Rs.	QT Y. (N os)	fre qu - en cy	Amo unt	60% Abov e BSR	Total Amount
4	Maintenance of Power Transformers							
4.1	<p>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.)</p> <p>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. 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 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 carryout other special measurements as may be required. q) Providing of other related work assistance as may be required by Work Incharge.</p> <p>400/220 kV, 315 MVA or 250 MVA (8 Nos. Workmen)</p>	Eac h Tr.						
4.2	220/132 kV, 100 MVA or 50 MVA and 220/33 kV, 50 MVA or 35 MVA (6 Nos. Workmen)	Eac h Tr.	1357	0	0	0	0	0
4.3	132/33 kV & 132/11kV (All capacities) (5 Nos. Workmen)	Eac h Tr.	1220	2	1	2440	1464	3904
4.4	33/11 kV & Aux. supply station Transformer (3 Nos. Workmen)	Eac h Tr.	774	1	1	774	464.4	1238.4
Total							₹ 5142.40	

PART -A
"G" SCHEDULE

Name of Work :- Maintaince Work of Bay , Equipment Transformer & Busbar at 132KV GSS KHOOD

BS R N O.	DESCRIPTION	unit	RATE in Rs.	QT Y. (N os)	fr eq u- en cy	Amou nt	60% Above BSR	Total Amount
3	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 CVT's 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 Incharge.							
3. 1	400 KV bay (1 No. Supervisor + 10 Nos. Workmen)							
3. 2	220 KV bay (1 No. Supervisor + 8 Nos. Workmen)	Each Bay	2332	0	2	0	0	0
3. 3	132 KV bay (1 No. Supervisor + 6 Nos. Workmen)	Each Bay	1892	3	1	5676	3405.60	9081.60
3. 4	33 or 11 KV bay (1 No. Supervisor + 5 Nos. Workmen)	Each Bay	1666	8	1	13328	7996.80	21324.80
Total								30,406.40

"G" SCHEDULE

Name of Work :- Maintaince Work of Bay , Equipment Transformer & Busbar at 132KV GSS KHOOD

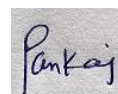
BSR NO.	DESCRIPTION	unit	RATE in Rs.	QTY (Nos)	frequency	Amount	60% Above BSR	Total Amount
5	<p>Maintenance of Bus Bars and Associated Equipments</p> <p>Providing work assistance as given below in maintenance work of Bus bars of various voltage levels. (All spares, lubricating material and only special T&P shall be provided by RVPN. Cleaning material and general T&P shall be arranged by the contractor.)</p> <p>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.</p> <p>b) Replacement of worn out clamps & connectors of bus during work under item No. (a).</p> <p>c) Cleaning of all insulators of suspension and tension strings of bus bars and insulators of bus isolators, Bus CVT's /PT's</p> <p>d) Checking of operation of Bus isolators and their alignment including motorized operation.</p> <p>e) Maintenance of operating mechanism & switches, etc.</p> <p>f) Lubrication of all moving parts.</p> <p>g) Providing of other related work assistance as may be required by Work Incharge.</p>							
5.1	400 KV Bus Section (1 No. Supervisor + 8 Nos. Workmen)	Each section						
5.2	220 KV Bus Section (1 No. Supervisor + 6 Nos. Workmen)	Each section	1940	0	1	0	0	0
5.3	132 KV Bus Section (1 No. Supervisor + 4 Nos. Workmen)	Each section	1446	3	1	4338	2602.80	6940.80
5.4	33 KV or 11 KV Bus section (1 No. Supervisor + 4 Nos. Workmen)	Each section	1351	7	1	9457	5674.20	15131.20

Total 22,072/-

Grand Total Of Item No. 3,4,&5 **₹57,620**
= **.60**

R/O RS. ₹57621/-

(Rs. Fifty Seven Thousand Six Hundred Twenty one Only)



ASSISTANT ENGINEER
132 KV GSS, RVPN, Khood