



## Rajasthan Rajya Vidyut Prasaran Nigam Ltd.

Office of the Assistant Engineer (132KV GSS). RIICO-ABU ROAD, Dist.-Sirohi (Rajasthan)

Phone No. (O) 02971-282076 Email:-[aen\\_132\\_riicoaburoad@rvpn.co.in](mailto:aen_132_riicoaburoad@rvpn.co.in)

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**No.RVPN/AEN/GSS/RIICO/ABR/F./2017/d. 56 Dtd. 14.06.2017**

To,  
All Registered Contractor ,  
Jodhpur Zone.

Sub:- Various work at 132KV GSS RIICO Growth Centre Abu Road as per G schedule on CLRC.  
Reference:-CLRC-2013 Order no. RVPN/SE/SSPC/TK/A.1/TN-2975/CLRC/D 501 dtd. 24.05.2013

Dear Sir,

You are enlisted contractor under Jodhpur Zone & the Various work at 132KV GSS RIICO Growth Centre Abu Road as per G schedule on CLRC rates is to be executed under this office. This office has decided to place order for execution of Various work at 132KV GSS RIICO Growth Centre Abu Road as per G schedule on CLRC approved rates .

Time for receiving consent for the above work on CLRC is 10 days from date of issue of this letter. Kindly send your consent timely so that further action viz. placing the order may kindly be taken.

Encl :- G Schedule (06 Pages )

Assistant Engineer (132 KV GSS)  
RVPNL, RIICO-Abu Road

Copy submitted to the following for information and necessary action.

1. The Zonal Chief Engineer (T&C) RRVPN Jodhpur.
2. The Superintending Engineer(T&C) RVPN Sirohi
3. The Executive Engineer (220KV GSS) RVPN, Pindwara
4. The Accounts Officer(T&C) RVPN Sirohi.

Assistant Engineer (132 KV GSS)  
RVPNL, RIICO-Abu Road

**OFFICE OF THE ASSISTANT ENGINEER 132KV GSS RVPNL RIICO ABUROAD**

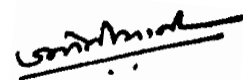
G-SCHEDULE FOR TRENCH AND YARD CLEANING WORK AT 132KV GSS RIICO Aburoad

**BSR-2017**

क. सं.	कार्य का विवरण	आवृत्ति	इकाई	दर रुपियो मे	कार्य की मात्रा (ehVj)	राशि प्रति चक्र रुपये में
1'5	केबल ट्रेंचो के कवर हटाकर अन्दर से सफाई करना व समस्त निकाले गए कचरे को ग्निड सब स्टेसन परिसर से बाहर प्रभारी अधिकारी द्वारा निर्धारित स्थान पर डालना व केबल पुनः व्यवस्थित कर ट्रेंच कवर वापिस लगाना । सफाई कार्य हेतु झाडू एवं आवष्यक उपकरण ठेकेदार को स्वयं की लागत पर लाने होंगे ।					
	अ ) 0.6 मीटर तक गहराई की ट्रेंच ।	अर्ध वार्षिक	रनिंग मीटर	2.9	19.10	55.39
	ब ) 0.6 मीटर से 1.2 मीटर तक गहराई की ट्रेंच ।	अर्ध वार्षिक	रनिंग मीटर	4.5	366.6 6	1649.97
	स ) 1.2 मीटर गहराई से अधिक की ट्रेंच ।	अर्ध वार्षिक	रनिंग मीटर	6.0	0.00	0
1'6	ग्निड सब स्टेसन के स्विच यार्ड में जंगली घास, कॉटेदार झाड़ियों, जंगली पेड पौधों आदि जड़ से उखाड़कर सम्पूर्ण सफाई का कार्य व इस कार्य के लिए जो ग्रेवल अव्यवस्थित की गई हो उसे पुनः व्यवस्थित करना । समस्त निकाले गए कचरे को ग्निड सब स्टेसन परिसर से बाहर प्रभारी अधिकारी द्वारा निर्धारित स्थान पर डालना । सफाई कार्य हेतु झाडू एवं आवष्यक उपकरण ठेकेदार को स्वयं की लागत पर लाने होंगे ।					
	अ ) ग्रेवलड क्षेत्र (समस्त ग्रेवल हटाना व पुनः लगाना इस कार्य में शामिल नहीं है ।)	अर्ध वार्षिक	100 वर्ग मीटर	137	3613 वर्ग मीटर	4949.81
	ब ) अनग्रेवलड / खुला / रिक्त क्षेत्र	अर्ध वार्षिक	100 वर्ग मीटर	89	19704 वर्ग मीटर	17536.56
	<b>कुल रुपये</b>					<b>24191.73</b>
	टेन्डर CLRC प्रिमियम का 60% जोडे					<b>14515.03 8</b>
	<b>सकल रुपये (Grand Total)</b>					<b>38706.77</b>



**Junior Engineer (M)**



**Assistant Engineer**

(132 KV GSS) RIICO  
Abu Road

132 KV GSS -RIICO  
Abu Road

RAJASTHAN RAJYA VIDHYUT PRASARAN NIGAM LTD  
OFFICE OF THE ASSISTANT ENGINEER 132 KV GSS RIICO ABUROAD  
G-schedule for Maintenance of EHV lines under 132 KV GSS, RIICO Aburoad

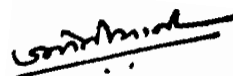
**(1) Maintenance of 132 KV ABU ROAD-RIICO ABUROAD Line**

**Based on BSR- 2011**

S. No.	Particulars	Nos. of units	Frequency of maintenance to be done in a year	Rate as per BSR	Amount as per BSR (01.04.2011)
1	2	3	4	5	6
1	<b>7.0 Maintenance EHV Lines</b>				
	<b>7.6 Cutting of trees including cuttings of trunks, branches and removal of stumps</b>				
	Cutting of trees including cuttings of trunks, branches and removal of stumps and roots, refilling, compaction of backfilling and stacking of serviceable material by manual means with all lifts			Rate for each	
	(i) Girth up to 300 mm	22	1	36	792
	(ii) Girth above 300mm to 600mm	12	1	77	924
	(iii) Girth above 600mm to 900mm	10	1	132	1320
	(iv) Girth above 900mm to 1800mm	7	1	264	1848
	(v) Girth above 1800mm to 2700mm	5	1	506	2530
	(vi) Girth above 2700mm to 4500mm			1036	0
	(vii) Girth above 4500mm			3059	0
				<b>Total</b>	<b>7414</b>
				<b>CLRC Premium Add 60% of Total</b>	<b>4448.4</b>
				<b>Grand Total</b>	<b>11862.4</b>



Junior Engineer (M)  
132 KV GSS RIICO ABU ROAD



Assistant Engineer (132KV GSS)  
RVPNL, RIICO Aburoad

RAJASTHAN RAJYA VIDHYUT PRASARAN NIGAM LTD  
OFFICE OF THE ASSISTANT ENGINEER 132 KV GSS RIICO ABUROAD  
G-schedule for Maintenance of EHV lines under 132 KV GSS, RIICO Aburoad

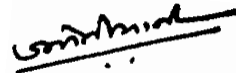
**(2) Maintenance of 132 KVRIICO ABUROAD -REODAR Line [ UPTO LOC.NO 68]**

**Based on BSR- 2011**

S. No.	Particulars	Nos. of units	Frequency of maintenance to be done in a year	Rate as per BSR	Amount as per BSR (01.04.2011)
1	2	3	4	5	6
1	<b>7.0 Maintenance EHV Lines</b>				
	<b>7.6 Cutting of trees including cuttings of trunks, branches and removal of stumps</b>				
	Cutting of trees including cuttings of trunks, branches and removal of stumps and roots, refilling, compaction of backfilling and stacking of servviceable material by manual means with all lifts			Rate for each	
	(i) Girth up to 300 mm	45	1	36	1620
	(ii) Girth above 300mm to 600mm	21	1	77	1617
	(iii) Girth above 600mm to 900mm	16	1	132	2112
	(iv) Girth above 900mm to 1800mm	12	1	264	3168
	(v) Girth above 1800mm to 2700mm	7	1	506	3542
	(vi) Girth above 2700mm to 4500mm	0		1036	0
	(vii) Girth above 4500mm	0		3059	0
				<b>Total</b>	<b>12059</b>
				<b>CLRC Premium Add 60% of Total</b>	<b>7235.4</b>
				<b>Grand Total</b>	<b>19294.4</b>



Junior Engineer [M]  
132 KV GSS RVPNL  
RIICO-ABU ROAD



Assistant Engineer  
132 KV GSS RVPNL  
RIICO-ABU ROAD

**RAJASTHAN RAJYA VIDHYUT PRASARAN NIGAM LTD**  
**OFFICE OF THE ASSISTANT ENGINEER 132 KV GSS RIICO ABUROAD**  
**G-schedule for Sub Station Maintenance of 132 KV GSS, RIICO Aburoad**  
**G-schedule for Maintenance of Bay Equipments, Transformers and Bus Bars**

**Based on BSR- 2011**

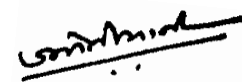
S.N O	BSR. ITEM No.	Particulars	Unit Nos.	Frequency of maintenance to be done in a year	Rate as per BSR	Amount as per BSR (01.04.2011)
	1	2	3	4	5	6
1	3	<b>3.0 Maintenance of bay equipments</b>				
		<p>Providing of work assistance as given below in Maintenance work of following bay equipments such as Circuit Breaker, Current Transformers, Lightning Arresters, Isolators, CVTs, PLCC equipments and corresponding Control &amp; Relay panel. (All spares, lubricating material and only special T&amp;P shall be provided by RVPN. Cleaning material and general T&amp;P shall be arranged by the contractor.)</p> <p>a. Checking of tightness of clamps &amp; 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 &amp; 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 is to be done with use of detergent solution.  l. Cleaning of C&amp;R panel from inside.  m. Providing other related work assistance as may be required by in charge.</p>			Rate per bay	
	3.3	132 KV Bay (01 no. Supervisor+06 nos. Workmen)	4	1	1892	7568
	3.4	33 KV Bay (01 no. Supervisor+05 nos. Workmen)	6	1	1666	9996
<b>Total (1)</b>						<b>17564</b>

2	4	<b>4.0 Maintenance of Power transformer</b>				
		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 lightness 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.				
	4.3	132/33 KV TF capacities ( 05 nos. Workmen)	1	1	1220	1220
	4.4	33/0.4KV Aux. Supply Station Tf (03 nos. Workmen)	1	1	774	774
				Total (2)		1994

3	5	<b>5.0 Maintenance of Bus Bar and Associated Equipments</b>				
		<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&amp;P, shall be provided by RVPN. Cleaning material and general T&amp;P shall be arranged by the contractor.</p> <p>a. Tightening of clamps &amp; connectors on overhead conductors and gantries (at a maximum height of 25 meter using safety belts). Also tightening of c lamp/connecters of all bus side associated equipments.</p> <p>b. Replacements of worn out c lamps &amp; 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 CVTs/PTs.</p> <p>d. Checking of operation of bus isolators and their alignment including motorized operation.</p> <p>e. Maintenance of operating mechanism &amp; 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 in charge.</p>			Rate per bus bar section	
	5.3	132KV Bus Section (01 no. Supervisor+04 nos. Workmen)	4	1	1446	5784
	5.4	33KV Bus Section (01 no. Supervisor+04 nos. Workmen)	4	1	1351	5404
				Total (3)		11188
				Grand Total (1+2+3)= (4)		<b>30746.00</b>
				<b>CLRC Premium Add 60% of Total</b>		<b>18447.60</b>
			<b>Grand Total</b>			<b>49193.60</b>



Junior Engineer [M]  
132 KV GSS RVPNL  
ABU ROAD



Assistant Engineer  
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