



**RAJASTHAN RAJYA VIDHUT PRASARAN NIGAM LIMITED**

Corporate Identity Number (CIN):U40109RJ2000SGCO16485

Regd. Office Vidyut Bhawan, Jyoti Nagar, Jaipur-302005

**OFFICE OF THE SUPERINTENDING ENGINEER (T&C) Bhilwara**

**220 KV GSS PREMISES PUR ROAD BAPU NAGAR BHILWARA.**

NO. /RVPN/SE(T&C)BHL/TECH /2016-17/F. ( )/D.1061/DT. 06.10.16

**The All registered contractors  
RVPNL, Ajmer Zone**

**Sub:** Consent for the work of erection of galvanized steel structure , laying of earthmesh, erection of equipments, bus bar, jumpers & cable laying work etc at 132KV GSS RIICO Growth centre Hamirgarh(Bhilwara) on CLRC basis.

On the above cited subject the work of erection of galvanized steel structure , laying of earth mesh, erection of equipments, bus bar, jumpers & cable laying work etc at 132KV GSS RIICO Growth centre Hamirgarh(Bhilwara) is to be carried out as per G-schedule attached herewith during FY 2016-17 on CLRC basis. Therefore you are requested to convey your consent for the above work in written along with valid registration documents within 10 days (i.e 17.10.16 till 03:00PM) to this office from the date of this letter.

**Encl: G-schedule**  
Superintending Engineer (T&C)  
RVPNL, Bhilwara

Copy Submitted/forwarded to the following:

- 1) The Zonal Chief Engineer(T&C-A/Z), RRVPNL, Ajmer.
- 2) The Executive Engineer(T&C), RRVPNL, Bhilwara.
- 3) The Feeder Manager(T&C) RRVPNL, Ajmer for uploading in the RVPNL website portal.
- 4) The Assistant Engineer-I(T&C) RRVPNL, Bhilwara.

Superintending Engineer (T&C)  
RVPNL, Bhilwara



**'G' Schedule**

Name of Office: AEN- I (T&C) RVPN BHILWARA

Name of Work: Erection of Galvanized steel structure, Laying of earthmesh, Erection of equipment, Bus Bar, Jumpers & Cable laying work etc at 132 KV GSS RIICO Growth Centre Hamirgarh (Bhilwara)

Reference : Erection & maintenance works of Sub Stations under CLRC TN 2375  
D.No. 501 dated 24-05-13 including Income tax , Service tax , Sales tax, Insurance charges and work contract tax as per CLRC

S. N.	Item no. of BSR	PARTICULARS OF WORK	UNIT	QTY.	RATE	AMOUNT in Rs.
1	2	3	4	5	6	7
		EARTH MESH WORK				
	A-1	Laying earth mesh with 25mm./ 28mm dia M.S. rod at a depth of 0.80 metre from top level of foundations, including excavation of trench of required depth and backfilling of the same, transportation of M.S. Rod from site store to location, welding of M.S. Rod to M.S. Rod along the length, at crossings and with earth electrodes as per drawing, application of bitumen impregnated tape on all welded joints, for the type of soil prevalent at 0.80 metre below top level of foundations ( M.S. Rod of above sizes & M.S. Flat as required shall be made available by RVPN )				
		(a) In case electricity is made available by RVPN without charges				
1		i) Normal dry soil	Metres	500	18	9000
2		ii) Hard soil / Murram / Black cotton soil	Metres	2000	19	38000
	B-1	Laying of earthing risers of 50x6 mm /50x10/ 50x12 mm size M.S. Flat at a depth of 0.80 metre from top level of foundation, including excavation of trench of required depth and back filling of the same, transportation of M.S. Flat from site store to locations, preparation of risers, bending as per requirement ( after heating if neccessary ), fixing on and welding / bolting / to equipment / structure and peaks of structures laying in the trench welding to the earth mesh of M.S. Rod as per drawing, including welding of extra length of M.S. Flat if required , application of bitumen compound and covering with bitumen impregnated tape on all welded joints, painting of all surfaces of risers above ground level with red oxide and green paint for the type of soil prevalent at 0.80 metre below top level of foundations (M.S. Rod of above sizes & M.S. Flat as required shall be made available by RVPN )				
		(a) In case electricity is made available by RVPN without charges				
3		i) Normal dry soil	Metres	500	20	10000
4		ii) Hard soil / Murram / Black cotton soil	Metres	2000	21	42000
	C-1	Placing / Driving of earth electrode of 25 / 28mm dia. M.S. Rod of length 3.30 meters (approx) to a depth of 3.80 meters from the top level of foundations, including excavation of pit as required and back filling of the same transportation of M.S. Rod from site store to locations cutting of M.S. Rod to desired length preparation of one end as spike if necessary. welding of earth electrode to earth mesh of M.S. Rod as per drawing application of bitumen compound and covering with bitumen impregnated tape on all welded joints, for the type of soil prevalent at 3.80 metres below top level of foundation (M.S. Rod of above sizes & M.S Flat as required shall be made available by RVPN )				
		(a) In case electricity is made available by RVPN without charges				
5		iii) Soft rock	Nos.	57	400	22800
		C/F				121800

*[Signature]*  
**Executive Engineer (T&C)**  
RRVNL Bhilwara


*[Signature]*  
**Assistant Engineer-I (T&C)**  
RVPNL, BHILWARA

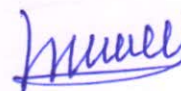
*[Signature]*  
**Junior Engineer (T&C)**  
RVPNL, BHILWARA


CB  
*[Signature]*  
6.10  
**SUPERINTENDING ENGINEER (T&C)**  
RRVNL, BHILWARA

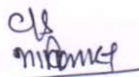


		B/F				121800
D-1		Placing of earth electrode of 25/28 mm dia. M.S. Rod of length 7.50 metre (approx.) to depth of 8.00 meters from the top level of foundation, including drilling of 200 mm dia. Earth pit having a throughout bore of 200 mm dia to a depth of 8.00 metres from the top level of the foundations, in all types of rocks by DTH system and overburden, including back filling of pit with Bentonite slurry (with cost of Bentonite slurry), including its preparation, transportation of M.S. Rod and Bentonite from site store to location, cutting of M.S. Rod to desired length welding of earth electrode to earth mesh of M.S. Rod as per drawing, application of bitumen compound and covering with bitumen impregnated tape on all welded joints (M.S. Rod of above sizes & M.S. Flat as required shall be made available by RVPN)				
6		(a) In case electricity is made available by RVPN without charges	Nos.	20	8438	168760
7	2	ERECTION OF SUB-STATION STEEL STRUCTURES columns, beams, lighting mast and equipment structures (excluding Circuit Breakers and Capacitor Banks) of all types including transportation of structure member nuts & bolts, Washers, etc. from site store to locations, their assembly, placing on foundation, fixing of template, with foundation bolts as required levelling and preparing for grouting as required, but excluding grouting, erection after grouting and tightening & punching of nuts & bolts (Maximum height of structures up to 20 meters)	M T	110	1744	191840
3		BUS-BAR WORK				
	A	STRINGING of 220 KV, 132 KV, 33 KV & 11 KV Bus Bar of ACSR conductor, including transportation of conductor, disc insulators and tension hardware from site stores to location, laying and cutting required length of conductor. Cleaning and assembly of disc insulators as required along with fitting of bolted type or compression type tension hardware as made available (compression machine shall be provided by RVPN on rent free basis). Making up at one end, stringing of conductors between the beams with specified sag and tension, also equalizing sag and fitting spacers and spacers T-clamps for twin conductor, for three phases of conductors in each bus-section.				
8		i) Single ACSR Panther	section	2	875	1750
9		ii) Single ACSR Zebra	section	8	1019	8152
10		iii) Double ACSR Zebra	section	5	1469	7345
	B	JUMPERS OF ACSR conductor (3 nos. Y-type) between bus to equipment or between equipment to equipment or between bus to bus, including transportation of conductor, disc insulators and hardware from site stores to locations, cleaning and assembly of disc insulators as required along with fitting of suspension hardware and erection as required, cutting required length of conductor, making connections, fixing of spacers & spacer T-clamps as required, tightening of clamps/ connectors, dressing, etc., for three phases.				
11		i) Single ACSR Zebra/ panther conductor	Set	200	250	50000
12		ii) Double ACSR Zebra conductor	Set	15	500	7500
13	4	STRINGING of Earth wire (size 7/ 3.15mm or 7/ 4.00mm), including transportation of earthwire, tension hardwares, etc., from site store to locations, laying and cutting required length of earthwire fitting of bolted type or compression type hardware as made available (compression machine shall be provided by RVPN on rent free basis) making up at one end, stringing of earthwire between structure peaks with specified sag and tension jumpering and connecting earth bonds. For single earthwire.	Each	75	219	16425
						573572
		C/F				

  
**Executive Engineer (T&C)**  
 RRVPNL Bhilwara

  
**Assistant Engineer-I (T&C)**  
 RVPNL, BHILWARA

  
**Junior Engineer (T&C)**  
 RVPNL, BHILWARA

  
 6-10

**SUPERINTENDING ENGINEER (T&C)**  
 RRVPNL., BHILWARA

