



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.1062/DT. 06.10.16

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

Sub: Consent for the work of construction of 132KV LILO of existing 132KV Hamirgarh-Nitin Spinners line upto 132KV GSS RIICO Growth centre (Hamirgarh) on CLRC basis.

On the above cited subject the work of construction of 132KV LILO of existing 132KV Hamirgarh-Nitin Spinners line upto 132KV GSS RIICO Growth centre (Hamirgarh) 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 alongwith 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.

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'G' Schedule Of 132 KV D/C Line to 132 KV GSS, RIICO Growth Centre, Hamirgarh (Bhilwara)

Name of Office - The Assistant Engineer - I (T&C), RRVPNL Bhilwara

Name of Work - Construction of 132 KV LILO of existing 132 KV Hamirgarh - Nitin Spinners Line up to 132 KV GSS RIICO Growth Centre (Hamirgarh)

Reference : Erection & maintenance works of Transmission Lines under CLRC TN 3768 D.No.81/3330 dated 28-02-2013 including Income tax , Service tax , Sales tax, Insurance charges and work contract tax as per note (vi) of CLRC

S. No.	Item no. of BSR	Particular	Unit	Qty	Unit rate updated as on 1.08.08	Amount in RS.
1	2	3	4	5	6	7
1	1	Detail Survey as per tentative route which includes the following major activities-Pegging of line route, providing of survey pillar at an interval of 3-4 KM in the line route with required jungle clearance for survey. Profile preparation of approved route on graph sheet and marking of offset on either side of line, marking of side clearance for hills, sand dunes etc, as per specification and tower scheduling	km	4	4875	19500.00
2	2	Check survey as per approved route of line which includes -Re-checking of the line route as per approved profile chainage. Tower centre marking pit marking bisection of angle tower as required at site.	km	4	1812	7248.00
	3	Excavation-				
		Excavation, excluding back filling, including shoring shuttering dewatering etc. up to the required depth as per foundation specification/ drawings				
3		(i) Normal soil	cum	50	144	7200.00
4		(ii) Murram/Black cotton/Hard soil/Dense soil	cum	300	305	91500.00
5		(iii) Soft rock/disintegrated rock.	cum	1800	337	606600.00
6		(iv) Hard Rock (Blasting Prohibited)	cum	100	770	77000.00
7		(v) Hard rock (with blasting)	cum	450	706	317700.00
8		(vi) Submerged Hard/Normal Marine Soil	cum	100	209	20900.00
	4	SETTING OF TEMPLATE & STUB/ANCHOR BOLT				
		Setting of template & stub/anchor bolt & removal after concreting, excluding cost of excavation and concreting but including back filling with excavated borrowed earth (lead and lift) in layers with ramming and watering as per specification				
		(B) 132 kv Double Circuit tower upto +6 m. extension				
9		(i) Tangent Tower (TTA)	nos.	2	1861	3722.00
10		(ii) Small angle tower (TTB)	nos.	2	2597	5194.00
11		(iii) Medium angle Tower (TTC)	nos.	3	2806	8418.00
12		(iv) Large angle cum dead end Tower (TTD)	nos.	7	3014	21098.00
		(D) 220 kv Double Circuit tower				
13		(iv) Large angle cum dead end Tower (TTD)	nos.	2	4152	8304.00
14		(E) 220 KV D/C Special Tower up to +18 mtr extension for span upto 550 mtr	nos.	2	4152	8304.00
	5	CONCRETING :				
		Providing and laying cement concrete for all types of foundation as per latest ISS:456 including cement sand stone aggregate 20 mm nominal size wate etc. preparing surfaces, shuttering, mixing, placing, ramming, curing, finishing as per specification and drawings.				
15		(ii) 1:3:6 mix	cum	10	4746	47460.00
16		(iii) 1:2:4 mix	cum	200	4890	978000.00
17	6	Cutting, bending, wilding of joints if required, fixing and placing of steel reinforcement as per specification and drawings including material.	MT	4.5	42795	192577.50
	7	EARTHING:				
18		(A) Earthing of towers with pipe type earthing excluding the supply of pipes, wires, flats & connectors, but including coke/ charcoal, etc., excavation, augering and backfilling in all types of soil	set	8	1091	8728.00
		C/F				2429453.50

[Signature]
Executive Engineer (T&C)
 RRVPNL, BHILWARA

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

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

[Signature]
SUPERINTENDING ENGINEER (T&C)
 RRVPNL., BHILWARA

		B/F				2429453.50
		(B) Earthing of towers legs with counterpoise type earthing excluding supply of inaterialsbut including excavation andbackfilling in all types of soil.				
19		(i) each set by laying 4 wires each 15m long at a depth os 600mm	set	16	1364	21824.00
8		ERECTION OF TOWERS :				
		Erection of super structures including D-shackles, ACD, Hangers, U-Bolts, step bolt, danger plate, phase plate, number plate etc. including lack welding of bolllts & nuts upto bottom cross arm/ beam leval including application of Zinc Rich paint				
		(B) 132 kv Double Circuit tower				
20		(i) Tangent Tower (TTA)	nos.	2	7343	14686.00
21		(ii) Small angle tower (TTB)	nos.	2	10583	21166.00
22		(iii) Medium angle Tower (TTC)	nos.	3	12474	37422.00
23		(iv) Large angle cum dead end Tower (TTD)	nos.	7	17093	119651.00
		(D)220 kv Double Circuit tower				
24		(iv) Large angle cum dead end Tower (TTD)	nos.	2	25270	50540.00
		(E) 220 KV D/C Special Tower for span upto 550 mtr				
25		(i) Normal Structure	nos.	2	25367	50734.00
26		(iii) +9 mtr extension to Normal Structure	nos.	3	12715	38145.00
9		Erection of 3 meters extension including tack welding of all bolts & nuts and application of zinc rich paint				
		(B) 132 kv Double Circuit tower				
27		(ii) Small angle tower (TTB)	nos.	1	1571	1571.00
28		(iii) Medium angle Tower (TTC)	nos.	1	1861	1861.00
29		(iv) Large angle cum dead end Tower (TTD)	nos.	2	2261	4522.00
10		Erection of 6 meters extension including tack welding of all bolts & nuts and application of zinc rich paint				
		(B) 132 kv Double Circuit tower				
30		(ii) Small angle tower (TTB)	nos.	1	2855	2855.00
31		(iii) Medium angle Tower (TTC)	nos.	2	3704	7408.00
32		(iv) Large angle cum dead end Tower (TTD)	nos.	3	4313	12939.00
12		CONDUCTOR STRINGING				
		(A) Stringing of ACSR Panther including holsting of insulator string, laying, jointing & tensioning of conductor, clamping with Armour rods and fixing oif vibration damper per route KM of the line				
33		(ii) 6 conductor for D/C Line	km.	4	32148	128592.00
13		EARTH WIRE STRINGING				
		(A) Stringing of galvanised steel stranded wire including laying, jointing & tensioning, clamping, clipping and fixing vibration demper and earth bond etc.				
34		(i) One No. 7/3.15mm galvanised wire	km.	4	3737	14948.00
13	17	RIVETMENT OF TOWERS				
		(A) Providing and laying cement concrete including curing, compaction etc. complete using stone aggregate 40 mm nominal size (crusher broken) in foundation plinth, using 1 Cement: 5 sand : 10 aggregate mix..	Cum	150	1575	236250.00
		(B) Random rubble stone masonry for rivetment in 1:5 cement sand mortar including providiong and fixing 100 mm dia PCC drain pipe & raised and cut-pointing on stone masonry in 1:3 cement sand mortar excluding excavation but including back filling inside rivetment using excavated/ borrowed earth (with all lead & lift) in layers not exceeding 20 cm in depth & consolidating each deposited layer by ramming and watering.	Cum	1100	1508	1658800.00
		(D) Cement concrete coping grade 1:2:4 (1cement : 2 coarse sand:4 graded stone aggregte) rounding off edges etc. but excluding the cost of nosing of steps etc. complete for 75 mm thick with 20 mm thick nominal size aggregate	Sqmt	250	242	60500.00
		TOTAL				4913867.50
		Add 64 % above as per CLRC				3144875.2
		GRAND TOTAL				8058742.70

R. S. Jaiswal
Executive Engineer (T&C)
RRVNL, BHILWARA

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