

URGENT

HARYANA VIDYUT PRASARAN NIGAM LIMITED
 Regd. Office: Shakti Bhawan,
 Sector-6, Panchkula
 Telephone Number- 0172-2583789, Fax No. 0172-2565746
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FAX

To

→ The Chief Engineer/ TS,
 HVPNL, Hisar

For v.a. 2
 CPM. 20/10

Memo No: CH-47 / DSO-434/CETS-589/Countrywide

Dated: 18-10-2011

Subject: Conversion of 66 kV D/C Daultabad-Sector 10A line in sector-37 Gurgaon from T.L. No.35 to T.L. No.37 overhead line to underground through cable in new alignment as deposit work of M/s Country wide promoters Pvt.Ltd.

Please refer to your office UO No CH- 77/CETS-589 dated 26.9.2011 on the subject cited above.

PD

Whole Time Directors in circulation has considered and accorded administrative approval for realignment of 66 kV D/C Daultabad-Sector 10A line between T.L. No.35 to T.L. No.37 to be laid as underground through 66 kV cable (6 No. cable of double circuit +2 spare) 8X 1200 mm Sq. as deposit work of M/s Country wide promoters Pvt.Ltd. in the land owned by the Company with mandatory clearances. As per policy the execution will be done by HVPNL for laying XLPE cable to ensure the rating / quantity of the same as per HVPNL specifications after deposit of charges.

Further you are also requested to ensure that guidelines regarding laying of underground cable should be adhered while execution and trench to lay down for 66 KV cable (underground) should be suitable for use of 220 kV (underground) cables for future scope. The estimate be modified for provision of 220 kV cable trench.

Necessary action in the matter may be taken accordingly and compliance in the matter may be reported to Company Secretary, HVPNL, and Panchkula.

Healy
 Dy. Secy./ Operation,
 HVPNL, Panchkula.

CC

1. Company Secretary, HVPNL, Panchkula.
2. SPS to Managing Director, HVPNL, Panchkula for kind information of Managing Director, HVPNL
3. PS to Director/Projects, HVPNL, Panchkula for kind information of Director/Projects.

Enclt No. CH-1

Copy of the above is

open memo

DA/As above

f. h. e.
 Division,
 HVPNL

16-11-11

H.V.P.N.L

original copy

Name of Work :-

Deposit estimate for shifting of 66 KV D/C Daultabad -Sec-10A overhead line through 66 KV underground Power Cable between TI No 351037 in the land of M/s Countrywide Promoters Pvt. Limited.

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Framed By :- AEE Const. S/Divn. HVPNL Manesar.

Allocation :-

Major Head :-

Minor Head :-

Amount :-

~~7,20,31,600/-~~
Rs ~~6,59,48,176~~
~~6,59,48,176~~ - 7,46,27,400/-

Est. in Original Showing Report, Specification, Calculation.

1 Report :- Attached

2 Specification :- Attached

3 Calculation :- Attached

4 Analysis of Rates :- Attached

5 Drg. No. :-

6 Est. No. COTS 153:- 1CECH-32/66/2011-2012

Sanctioned for Rs. :- 7,46,27,400/-

7

(Seven Crore forty six
thousand seven hundred and
forty only)

Chief Engineer/Trans. System
HVPNL, HISAR
17/11/11

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Report of Estimate in Accordance with Para 3.4 of Nigam Manual of Order.

History :-

66 KV D/C Daultabad-Sec-10A line is passing through the land of M/s Countrywide Promoters Pvt Ltd. The firm has requested for shifting of this line in their premises through 66 KV underground power cable vide letter No Nil dated 14/5/00. The survey was carried out for shifting of this line. The route was prepared accordingly as per ROW given by the firm and approved by SE/TS Circle, HVPNL, Gurgaon vide his office memo No _____ dated _____. This estimate has been framed to cover the cost of Material, Labour, and Transportation for the proposed shifting of line between T L No. 35 to 37 of Existing 66 KV D/C Daultabad - Sec 10A line.

Scope :-

66 KV D/C C Type tower with extra X arm = 02 No
66 KV Power Cable Rail Pole termination structure = 02 No
66 KV Single core XLPE power cable 1000 Sq mm 1075 x 8 = 8600 mtr

The following tower will be dismantled.

Tower No 36 (DA type) of 66 KV D/C Daultabad - Sec 10A line,
(BTK)

Design :-

The work will be executed as per standard design of HVPNL.

Method:-

The work will be carried out departmentally by engagement of contractor labour under the supervision of regular staff / JE In-charge or if the work carried out by the firm it self then necessary supervision charges i.e. @ of 6% of the estimated cost will be deposited by the firm.

Rate :-

Current market / stock issue rate has been provided in this estimate.

Cost :-

The total amount of this estimate comes to Rs. ~~7,20,31,600/-~~ 7,46,27,400/-
~~6,89,54,222/-~~ Which will be charged to the heads shown in the allocation sheet.

Time :-

The work will be completed with in three months after receipt of material and necessary shut down made available.

47
Executive Engineer
Trans. System Division
HVPNL, Manesar

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AEE Const. S/Divn
HVPNL, Manesar

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Superintending Engineer
Transmission System Circle
HVPNL, Gurgaon

Detail No. 1
FOUNDATION WORK

Ser No	Description	Qty	Rate	Amount
1	Cement 116 x 2	232 Bags	250/-300/-	58000.00
2	Stone Dust 8 x 2	16 Cum	1400/-	44800.00
3	1/2" Bazari 16 x 2	32 Cum	1400/-	22400.00
4	M.S Tor Steel 8mm 50x2	100 Kg	45/- 47/-	4500.00
5	M.S Tor steel 10 mm 230x2	460 Kg.	45/- 47/-	20700.00
6	MS Tor steel 12 mm 410x2	820 Kg	45/- 47/-	36900.00
7	MS Tor steel 20 mm 415x2	830 Kg	45/- 47/-	37350.00
8	Binding wire 15x2	30 Kg	70/-	2100.00
9	Stub template for 66 KV D/C C type t 1 No		30000/-	30000.00
10	Water charges for foundation of tower 2 No		4000/-	8000.00
11	Concrete mixture & vibrator C type 2 No		4000/-	8000.00
12	Steel shuttering material for foundation 3200 sft		4/- 6/-	12800.00
	Total			289550.00
	Transportation 5%			14477.00
	Contingency 1 %			2895.00
	Labour as per schedule			149700.00
	G. Total			456622.00

AEE Const. S/Divn.
HVPNL, Manesar.

Detail No. 2
Tower & Accessories

Sr. No.	Description	Qty.	Rate	Amount
1	66 KV D/C 'C' Type tower with stub 1 No 4327 x 1	8654 Kg	75/-	649050.00
2	Extra x-arm for 66 KV D/C C type tower	2 set	20000/-	40000.00
3	GI Nut & Bolt 16x40 mm	140 Kg	68.2	9548.00
4	GI Nut & Bolt 16x45 mm	100 Kg	68.2	6820.00
5	GI Nut & Bolt 16 x 50 mm	120 Kg	68.2	8184.00
6	GI Nut & Bolt 16 x 60 mm	110 Kg	68.2	7502.00
7	GI Nut & Bolt 16 x 175 mm	30 Kg.	76	2286.00
8	Spring washer 16 x 3.5 mm	30 Kg.	102/-	3060.00
9	ACD's	2 set	1000/-	2000.00
10	Earthing Set	4 Nos	2000/-	8000.00
11	Phase Plate	4 set	600/-	2400.00
12	Danger Plate	2 No	500/-	1000.00
13	Number plate	2 No	500/-	1000.00
14	Barbed wire	50 Kg.	80	4000.00
	Total =			744850.00
	Transportation 5%			37242.00
	Contingency 1%			7448.00
	Labour as per schedule			75089.00
	G. Total			864629.00

AEE Const. S/Divn.
HVPNL, Manesar.

Detail of Labour

Ser. No.	Description of Materials	Qty.	Rate	Amount
1	Loading / Unloading of tower in workshop at construction store & store to site and erection of tower	9.25 Ton	5148/Ton	47619.00
2	Fixing of ACD	2 No	1055/-	2110.00
3	Providing Phase Plate	2 No	116/-	232.00
4	Providing danger plate	2 No	35/-	70.00
5	Providing Number plate	2 No	35/-	70.00
6	Tack welding of nut bolt	800 bolt	12.66	10128.00
7	Earthing of tower	4 No	443	1772.00
	Total =			62001.00
	Add 21.11% (13.61 % EPF+7.5			13088.00
		G.Total =		75089.00

labour in detail - 2-

AEE Const. S/Divn.
HVPNL, Manesar.

Detail No 3 (Stringing & Sagging)

Detail of Cable & Accessories

Ser. No.	Description of Materials	Qty.	Rate	Amount
1	Single tension fitting 0.15 sq inch	42 No ✓	800/-	33600.00
2	Disc insulator 90 KN	282 No ✓	460/-	129720.00
3	Earth boundary piece	2 No ✓	248/-	496.00
4	Earth wire tension fitting	4 No ✓	278/-	1112.00
5	Pilot string	6 No ✓	400/-	2400.00
	Total =			167328.00
	Transportation of 5%			8366.00
	Contingency 1%			1673.00
	Labour as per schedule =			25985.00
	G. Total =			203352.00

Detail of Labour

Ser. No.	Description	Qty.	Rate	Amount
1	Shifting of T&P to site	4 No	316.5	1266.00
2	Laying out of earth wire	340 mtr	1266/- per KM	430.00
3	Rough stringing of conductor	2040 Mtr	3038/-	6197.00
4	Final stringing of conductor	2040 Mtr	1519/-	3099.00
5	Providing jumper on tower	30 No	654/-	6540.00
6	Providing Pilot strings	6 No	654/-	3924.00
	Total =			21456.00
	Add 21.11% (13.61% EPF+7.5% Premium			4529.00
	Total =			25985.00

Detail No - 04 (66 KV Power Cable & Accessories)

Ser. No.	Description	Qty.	Rate	Amount
1	66 KV Single core XLPE power cable 1000 sq mm	8600 mtr	4890/-	42054000.00
2	Termination kit for 66 KV store XLPE power cable 1000 sq mm	16 No	212427/-	3398832.00
3	Straight join for 66 KV single core XLPE power cable 1000 sq mm	8 No	83200/-	665600.00
4	66 KV LA's	12 No	16465/-	197580.00
5	Warning to be suitable for 66 KV cable of following size			
	Thickness of tape - 0.3			
	Width of tape - 15 cm			
6	HDPE pipe 160 mm	200 mtr	500/-	100000.00
7	Rail Pole structure triple angle & channel complete	4 No	200000/-	800000.00
8	Cost of trench <i>Length of trench</i>	950 mtr	7192/- 10000/-	6832400.00 7500000.00
	Total		2 56716012.00	54063442.00
	Labour as per schedule		2 6545956.00	6445956.00
	G. Total		2 63261968.00	60509388.00

Detail of Labour

Ser. No.	Description	Qty.	Rate	Amount
1	Laying of 66 KV power cable	8600 Mtr	650/-	5590000.00
2	Erection of termination kit	16 No	13339/-	213424.00
3	Erection of straight joint	8 No	17785/-	142280.00
4	Laying of HDPE	200	1500/- 2000/-	300000.00 400000.00
5	Erection of 66 KV Las	12 No	800/-	9600.00
6	Mountry of 66 KV power cable	16 No	800/-	12800.00
7	Erection of Rail pole structure complete with triple structure	4 No	44463/-	177852.00
	Total			6445956.00

Detail No 5 (Dismantlement)

Ser. No.	Description	Qty.	Rate	Amount
1	ACSR conductor 0.15 sq inch	2760 mtr	102/0	281520.00
2	Earth wire	460 mtr	14.5	6670.00
3	Disc insulator	102 No	460/-	46920.00
4	66 KV D/C A type tower	16361 1 No	25/-	60875.00 65900.00
5	66 KV D/C B type tower	(2435 Kg/3413 Kg)	25/-	85325.00
6	SB damper 0.15 sq inch	24 No	300/-	7200.00
	Total			488510.00
	Transportation 5%			24425.00
	Contingency 1%			4885.00
	Labour as per schedule			41120.00
	Total			556940.00

*Only Labour
Transportation
and Contingency*

*Labour 41120.00
Tot. 24677.00
Contingency 4935.00
70732.00*

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Detail of Labour

Ser. No.	Description	Qty.	Rate	Amount
1	Shifting of T&P to site	4 No	211/-	844.00
2	Opening & removal of jumper	6 No	443/- per jumper	886.00
3	Loading of disc insulator in tractor trailer	102 No	422/- per 100 Nos	430.00
4	Removal of suspension clamp & lower of conductor	2 No	981/-	1962.00
5	Removal of suspension clamp & removing rod	2 No	422/-	281.00
6	Welding of conductor for	2760	633/-	1747.00
7	Dismantlement of welded tower	5.848m	2700/-	15790.00
8	Removal of conductor from dead end	1 No	3376/-	3376.00
9	Transportation of MK to site store & site store to deducted	5.848	1266/-	7403.00
10	Stack of tower material	5.848 MT	211/-	1234.00
	Total			33953.00
	Add 21.11%			7167.00
	Total			41120.00

Detail No. 6 (Inspection charges)

Sr.No	Description	KM/Rate	Amount
1	Inspection of work by S.E/T.S. Gurgaon. 2x3x15x2 = 180 KM.	8/-	1440.00
2	Inspection of work by Xen T.S Divn. Manesar 4x3x15x2 = 360 Km	8/-	2880.00
3	Inspection of work by SDO, Const, HVPN Manesar 10x3x15x2 = 900 Km	8/-	7200.00
4	Inspection Fee of CEI		5000.00
	Total =		16520.00

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AEE Const. S/Divn.
HVPNL, Manesar.

Main Abstract

Sr. No.	Description of material	Material	Labour	Transportation	Contingence	Inspection	Total
1	Detail No. 1	289550.00	149700.00	15379.00	2895.00		476449.00
2	Detail No. 2	744850.00	75089	14477.00	2895.00		456822.00
3	Detail No. 3	167328	25985.00	37242.00	7448.00		864629.00
4	Detail No. 4	54063412.00	6445956.00	8366.00	1673.00		203352.00
5	Detail No. 5		41120.00	24425.00	4885.00		60509366.00
6	Detail No. 6			24425.00	4885.00		16520.00
	Total		16520.00	16520.00	16520.00		16520.00
	Add 6% departmental charges						62420924.00
	Add 5% charges for cable m/c						8727255.00
	G. Total						3406046.05

10%

(i) Cost of work if to be executed by the HVPNL. Rs 46,27,400-00 (A)
 (ii) Cost to be deposited by the Developer if Rs 46,27,400-00
 Checked for Rs 68,95,9222

CHD

T/S Circle

HVPNL, Gurgaon

Supervising Engineer
 Transmission System Circle
 HVPNL, Gurgaon

Executive Engineer
 Transmission Division
 HVPNL, Manesar

Chief Draftsman/TS
 HVPNL, Hisar

Checked for Rs 7,46,27,400

Chief Draftsman/TS
 HVPNL, Hisar

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हरियाणा विद्युत प्रसारण निगम लि.
HARYANA VIDYUT PRASARAN NIGAM LTD.
(A Govt. of Haryana Undertaking-Regd. Office Shakti Bhawan Sector 06 Panchkula)
कार्यालय / Office of the

Off: 01662-220038
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मुख्या अभियन्ता/प्रेषण प्रणाली, विद्युत नगर, हिसार 125 005
Chief Engineer/Transmission System, HVPNL, Vidyut Nagar, Hissar 125 005

To

The Superintending Engineer/TS,
HVPNL, Gurgaon.

Memo No. Ch. 225/CETS-589
Dated: 16.04.2012.

Subject:- Request for realignment of proposed 66 kV D/C line Daultabad-Sector-10 in Gurgaon running through Group Housing in Sector-37-D plotted colony in Sector-102, Gurgaon.

Please refer to your office memo no. Ch-6T/M/s Countrywide dated 02.04.2012 addressed to this office with a copy to Deputy Secretary/OP, HVPNL, Panchkula on the subject matter.

The report submitted on the subject matter by your office has been acknowledged. However, the position as intimated in your above reference may be conveyed in writing to M/s Countrywide Promoters Private Limited. Apart from above, M/s Countrywide Promoters Private Ltd. may also be asked to deposit the full cost of the shifting arrangement enabling HVPNL to float tender for the execution of the work on turnkey basis.

Chief Engineer/TS,
HVPNL Hissar.

Copy to;

1. The Chief Engineer/MM, HVPNL, Panchkula.
2. The Deputy Secretary/OP, HVPNL, Panchkula w.r.t. his office memo no. Ch. 42/DSO-214/Vol.XVI dated 22.03.2012.
3. The Executive Engineer/TS, HVPNL, Manesar.

Encl. No. 68 of Countrywide dated 24/4/12
Copy of the above is forwarded to XEN IS DIR
HVPNL, Manesar for his intimation and necessary action accordingly.

DA/ as above:

SE/TS Circle
HVPNL Gurgaon

T/S
Manesar