



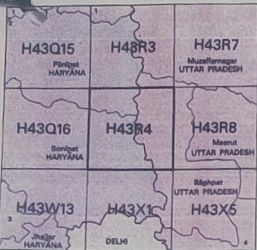
निर्वात के लिए नहीं NOT FOR EXPORT

OPEN SERIES  
MAP

No. H43R4

Scale 1:50,000

5394



भारतीय सर्वेक्षण विभाग SURVEY OF INDIA

1st Edition 2007

Price : Rs. 400/-

CONVENTIONAL SYMBOLS

Table of conventional symbols for various features like roads, railways, rivers, and buildings.

REFERENCE

Ref 1 National Highway No. 1

NOTES

Height are in metres and above Indian mean sea level. Contours are approximate. The dates of satellite observations falling in the sheet belong to the Maghad period. Tides shown dry in this area usually occur from July to March. Unidentified roads and cart tracks in this sheet are generally recorded in dry season. Personnel to use these along roads is required from the original collection. A reduced height, i.e., 30, marked along a road, indicates the height of the top of the embankment above the adjacent stream. The contour of Yamuna River is liable to seasonal change. 5000-10000 contour lines of Shikhar Ghat Project Survey are shown as hatched contour lines. 10/07/2007

COMPILED INDEX

A. Surveyed during 1980-91. Updated for major details during 2005-06.

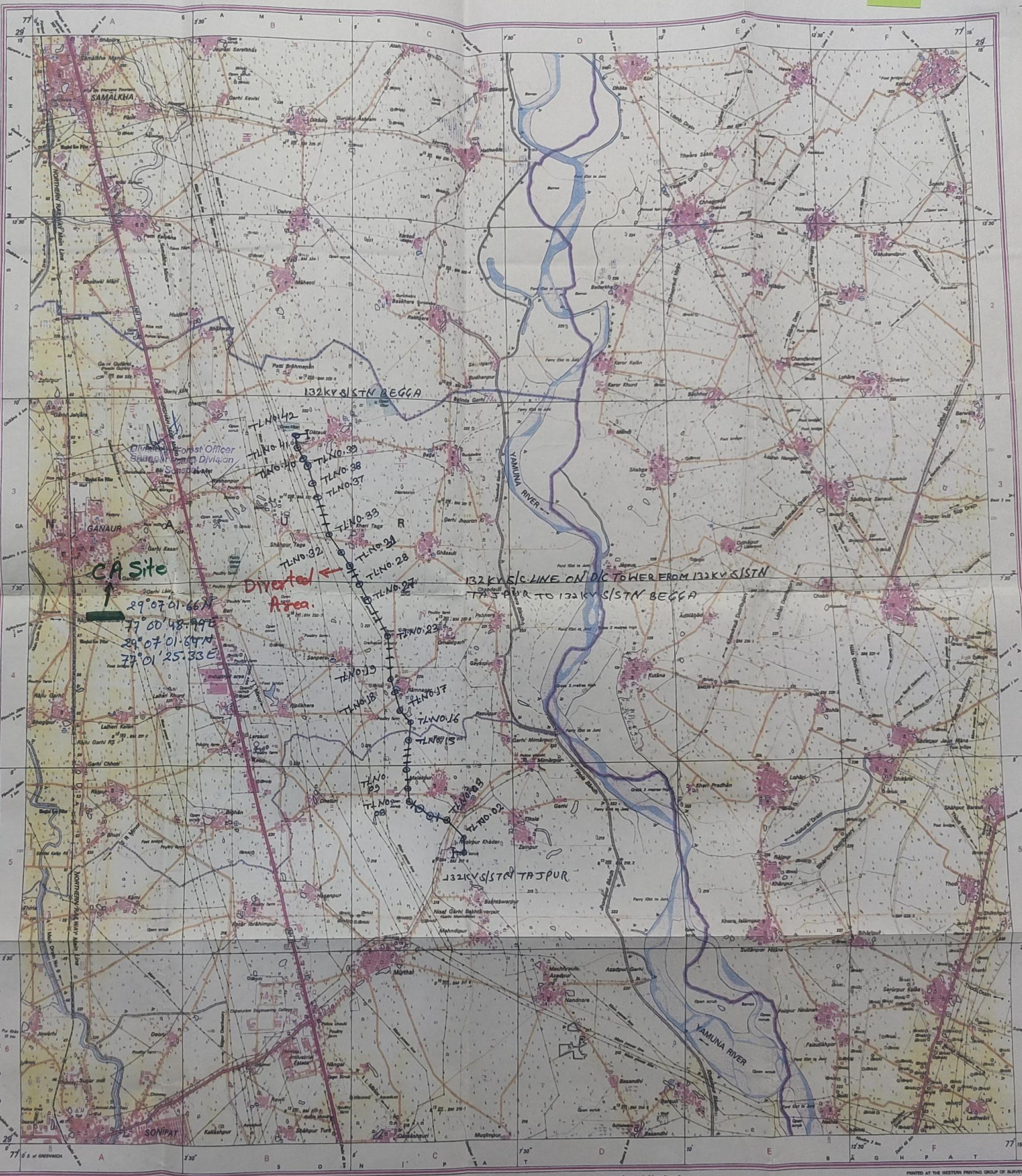
Projection - UTM Datum - WGS 84  
Magnetic Variation from True North about 2° East in 2005.  
Improving by about 1' annually.  
Scale 1:50,000  
Graphic scale bar showing 0 to 2 Kilometres.  
CONTOUR INTERVAL - 10 METRES

For further details about this map, please contact  
Director  
Haryana Geo-Spatial Data Centre  
Survey of India, Sector 32 A  
Chandigarh.  
Fax : 0172 - 2604871

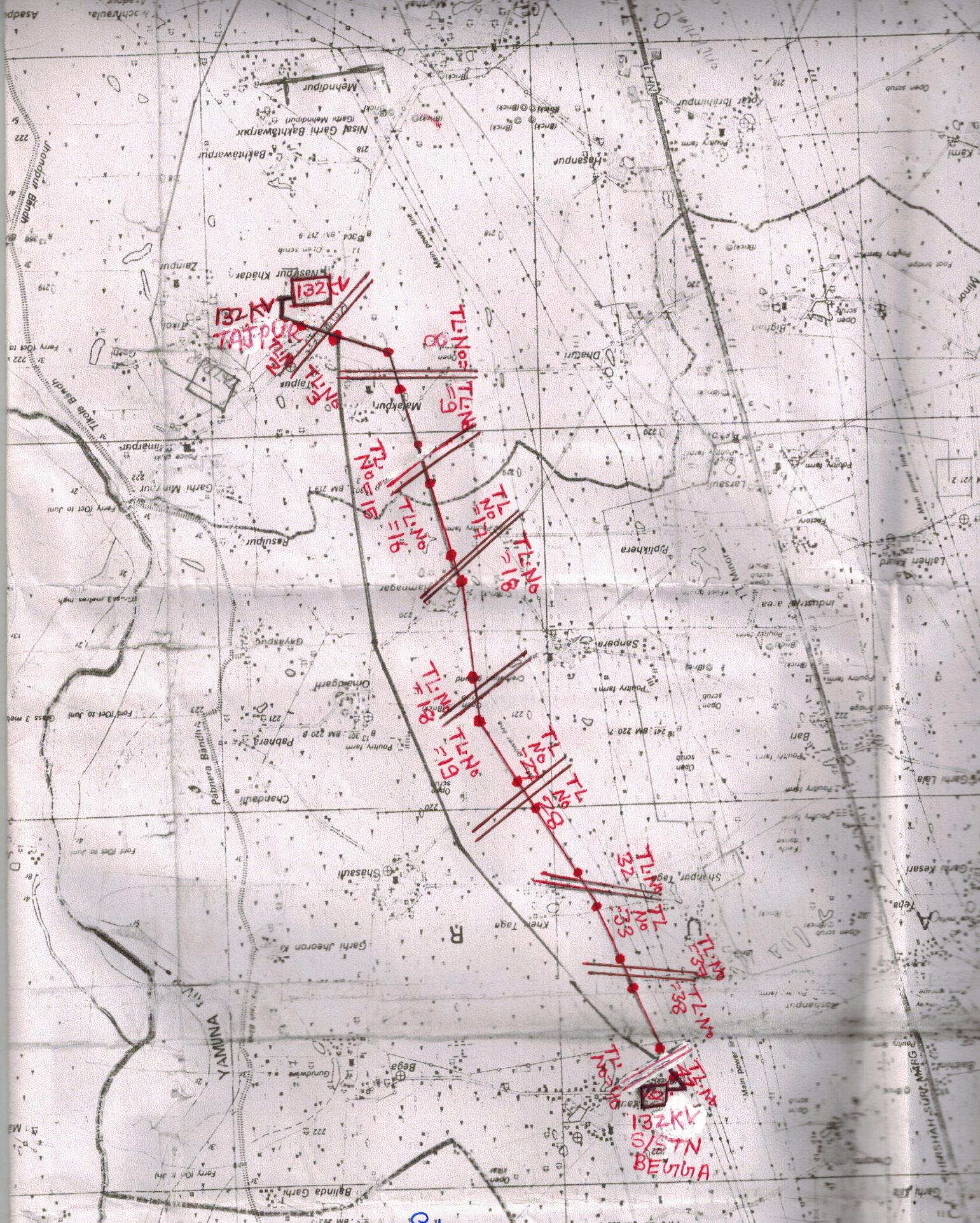
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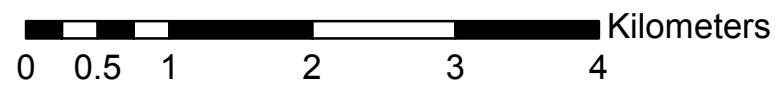
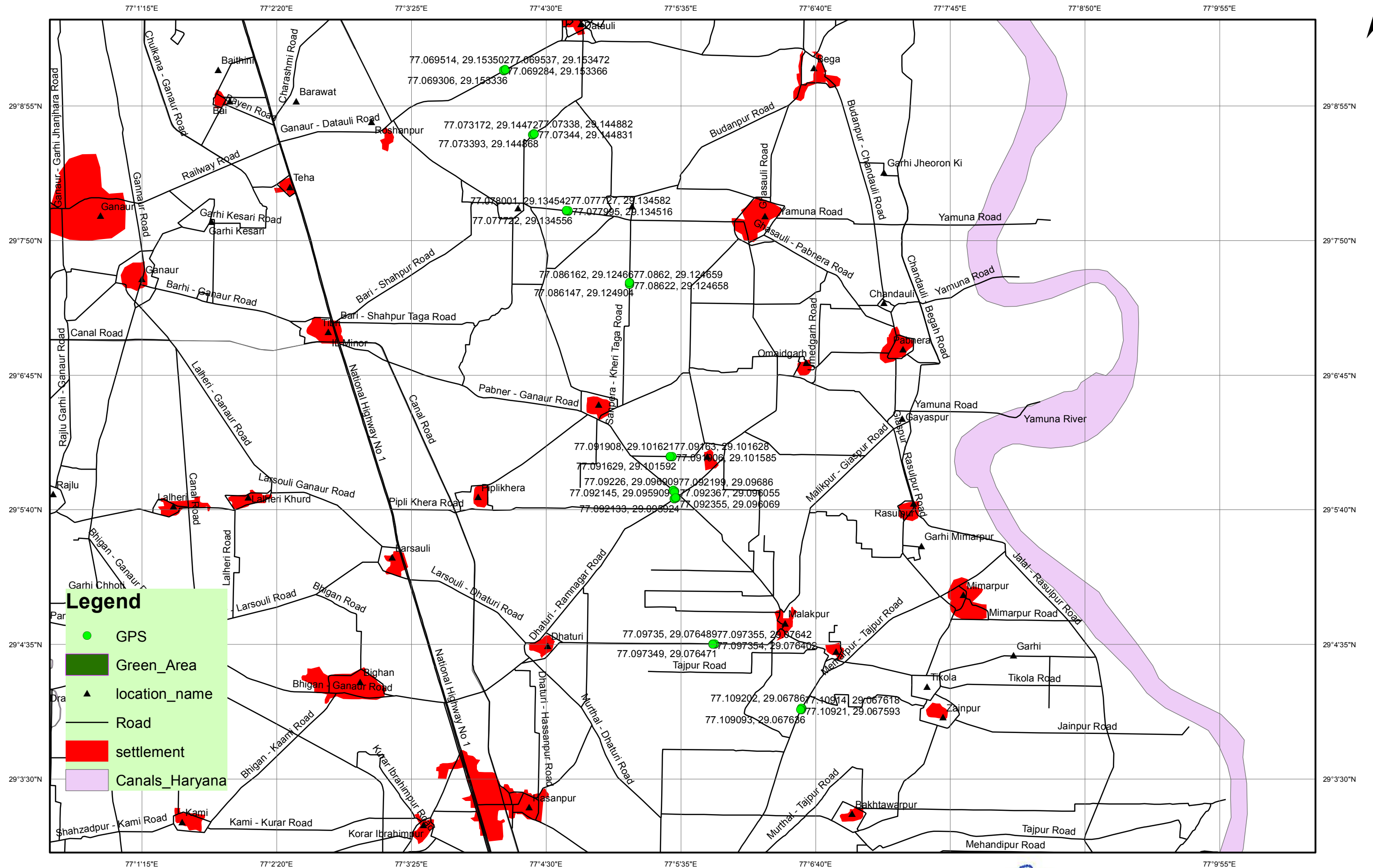




  
 Executive Engineer  
 TS Divn. HVPNL, Panipat



# 132 KV S/C Line on D/C Tower from 132 KV S /STN Tajipur to 132 KVS/STN Bega with 0.4 SQ" ACSR Zebra Conductor



**Executive Engineer /TS**  
**Division, HVPNL, Panipat.**

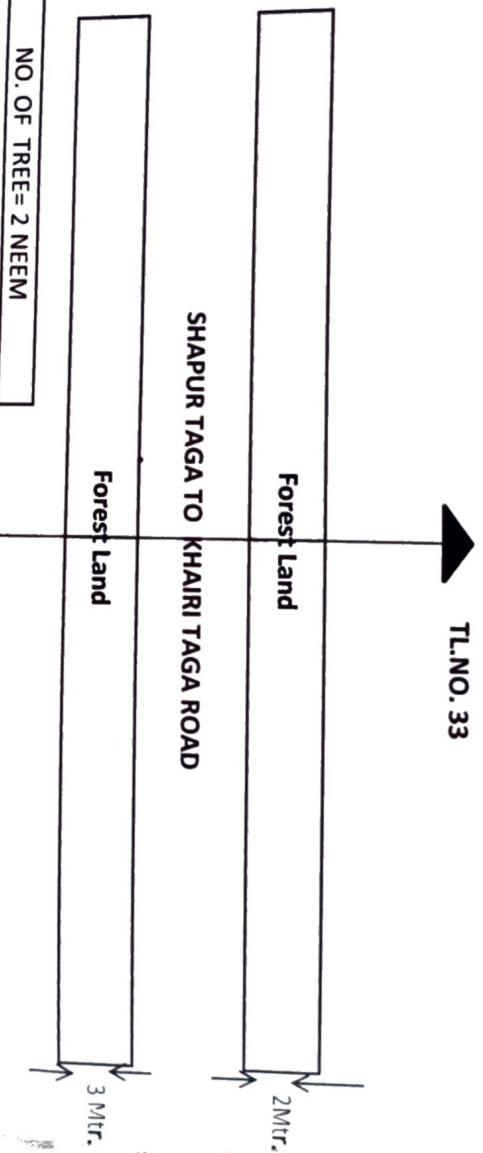
**FOREST PROPOSAL**

**132 KV S/C LINE ON D/C TOWER FROM 132 KV S/STN TAJPUR TO 132 KVS/STN BEGA WITH 0.4 SQ" ACSR ZEBRA CONDUCTOR (KRR DESIGN)**

IN SONIPAT DISTRICT

Crossing Between:- Tower No.32 - Tower No. 33

TL.NO. 33



Side	Length in Mtr.	Width in Mtr.	Area Sq. Mtr.	Area in Hac.
Left	2	27	54	0.0054
Right	3	27	81	0.0081
<b>TOTAL</b>				<b>0.0135</b>

Place:- SONIPAT

Date:-.....

Executive Engineer  
T.S. Division, HVPNL



**132 KV S/C LINE ON D/C TOWER FROM 132 KV S/STN TAJPUR TO 132 KVS/STN BEGA WITH 0.4 SQ" ACSR ZEBRA CONDUCTOR  
(KRR DESIGN)**

S NO.	Name of forest area	Width of Line (in Mtr)	Width of forest (in Mtr)	Total Forest Area to be used(in sq. Mtr)	Total Forest Area to be used(in Hac.)	COORDINATE
1	Murthal -Tajpur road L Murthal -Tajpur road R	27 27	5 2	135 54	0.0135 0.0054	N 29°4'3.85" E 77°6'33.27"
2	Dhaturi -Mailkpur road L Dhaturi -Mailkpur road R	27 27	2 2	54 54	0.0054 0.0054	N 29°4'35.17" E 77°5'50.93"
3	Ram nagar - mailkpur Road L Ram nagar - mailkpur Road R	27 27	2 2	54 54	0.0054 0.0054	N 29°05'47.76" E 76°46'36.16"
4	mailkpur -Ram nagar Road L mailkpur -Ram nagar Road R	27 27	2 2	54 54	0.0054 0.0054	N 29°5'52.09" E 77°5'41.51"
5	Sampeda - Ram Nagar Road L Sampeda - Ram Nagar Road R	27 27	4 4	108 108	0.0108 0.0108	N 29°6'5.66" E 77°5'34.80"
6	Sampeda - Shapur road L Sampeda - Shapur road R	27 27	2 2	54 54	0.0054 0.0054	N 29°07'29.27" E 77°5'10.16"
7	Shapur Taga-Khairi Taga L Shapur Taga-Khairi Taga R	27 27	2 3	54 81	0.0054 0.0081	N 29°8'4.26" E 77°4'40.59"
8	Khairi Taga- Datoli Road L Khairi taga- Datoli Road R	27 27	2 2	54 54	0.0054 0.0054	N 29°8'41.15" E 76°4'23.86"
9	Datoli -Gannaur Road L Datoli -Gannaur Road L	27 27	4 4	108 108	0.0108 0.0108	N 29°9'12.35" E 77°4'9.97"
<b>(TOTAL FOREST AREA)</b>				<b>48</b>	<b>1296</b>	<b>0.1296</b>

**Executive Engineer**  
**T.S. Division, HVPNL**  
**PANIPAT**



Title of the Project : For Construction of 132 Kv S/C line on D/C S/stn Tajpur to 132 Kv S/stn Bega crossing various strips of land, under Forest Division & Distt Sonipat.

File No. :

Date of Proposal:-

:

132 Kv  
forest

31

## CHECK LIST SERIAL NUMBER-07

### STATEMENT SHOWING DETAILS OF FOREST AREA PROPOSED FOR DIVERSION

S. No	District	Division	Range/Tehsil / Village	Khasra/ Survey or Compartment Number of Km. Stone	Forest Area proposed for Diversion (Ha.)	Legal status of Forest Area	Remarks
1	2	3	4	5	6	7	8
1	Sonipat	Sonipat	Sonipat	For Construction of 132 Kv S/C line on D/C tower from 132 Kv S/stn Tajpur to 132 Kv S/stn Bega crossing various strips of Protected forest land, under Forest Division & Distt Sonipat.	0.1296 Hac.	PF	

Date.....

Place.....

Signature of user agency  
Office seal

Executive Engineer  
T.S. Division, HVPNL  
PANIPAT

Forwarded by:-  
Divisional Forest Officer

..... Forest Division  
Divisional Forest Officer  
Office Seal  
Sonapat Forest Division  
Sonapat



File / Title of the Project :

Diversion of 0.1296 ha. of  
Executive Engineer, TS Di  
for erection of 132 KV S/C  
132 KV S/stn. Tajpur to 132 KV S/stn. Bega, under  
Division & Distt. Sonapat.

Fca case  
favour of  
L, Panipat  
Line from  
Bega, under

32

File No. : FP/HR/TRANS/36545/2018

Date of Proposal : 31-01-2019

CHECK LIST SERIAL NUMBER-07

STATEMENT SHOWING DETAILS OF FOREST AREA  
PROPOSED FOR DIVERSION

S.No	District	Division	Range/Tehsil/ Village	Khasra/ Survey or Compartment Number of Km. Stone	Forest Area proposed for Diversion (Ha.)	Legal status of Forest Area	Rem- arks
1	2	3	4	5	6	7	8
1	Sonapat	Sonapat	Sonapat/Gannaur/ Gannaur	132 KV S/stn. Tajpur to 132 KV S/stn. Bega	0.1296 ha.	PF	-

Date .....

Place .....

Divisional Forest Officer

Divisional Forest Officer  
Sonapat Forest Division  
Office Seal Sonapat



Title of the Project : For Construction of 132 Kv S/C line on D/C 1 S/stn Tajpur to 132 Kv S/stn Bega crossing various strips of land, under Forest Division & Distt Sonipat.

2 Kv  
rest

33

File No. :

Date of Proposal:-

**CHECK LIST SERIAL NUMBER-08**  
STATEMENT SHOWING DETAILS OF NON FOREST AREA  
INVOLVED IN THE PROPOSAL

S.No.	District	Division	Range/Tehsil /Village	Khasra/ Survey or Compartment Number of Km. Stone	Non Forest Area involved in the proposal (Ha.)	Present land Use	Remarks
1	2	3	4	5	6	7	8
1	Sonipat	Sonipat	Sonipat	<b>For Construction of 132 Kv S/C line on D/C tower from 132 Kv S/stn Tajpur to 132 Kv S/stn Bega crossing various strips of Protected forest land, under Forest Division &amp; Distt Sonipat.</b>	30.5694 hac.	Agriculture Land	

Place .....

Signature of User Agency  
Office Seal

Date .....

Forwarded by :-  
Divisional Forests Officer

Forest Division  
Divisional Forest Officer  
Office Seal  
Sonipat Forest Division  
Sonipat

Executive Engineer  
T.S. Division, HVPNL  
PANIPAT



Title of the Project For Construction of 132 Kv S/C line on D/C tower from  
132 Kv S/stn Bega crossing various strips of Protected forest  
Distt Sonapat  
Date of Proposal

stn Tajpur  
or Forest  
34


### CHECK LIST SERIAL NUMBER: 10

#### JUSTIFICATION FOR LOCATING THE PROJECT

Construction of 132 Kv S/C line on D/C tower from 132 Kv S/stn Tajpur to 132 Kv S/stn Bega crossing various strips of Protected forest land, under Forest Division & Distt Sonapat has to cross various strips of protected forest land ie roads and canals. No tower will be constructed in the forest land, only High Tension Line will cross the forest land. Therefore, there is no alternative but to use the forest land along the roads and canals.


Name  
Date

Signature of User Agency  
Office Seal

  
Executive Engineer  
T.S. Division, HVPNL  
PANIPAT

Countersigned By -

Divisional Forests Officer

  
Divisional Forests Officer  
Forest Division  
Office Seal  
Sonapat



Title of the Project : For Construction of 132 Kv S/C line on D/C tower from 132 Kv S/stn Tajpur to 132 Kv S/stn Bega crossing various strips of Protected forest land, under Forest Division & Distt Sonipat.  
File No. :  
Date of Proposal:-

**CHECK LIST SERIAL NUMBER-11**

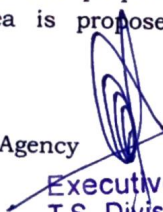
**CERTIFICATE FOR MINIMUM USE OF FOREST LAND**

This is to certify that the forest area involved in the proposal unavoidable and barest minimum forest area i.e. 0.1296 ha area is proposed diversion.

Place : .....

Date : .....

Signature of User Agency  
Office Seal

  
Executive Engineer  
T.S. Division, HVPNL  
PANIPAT

Countersigned -

Divisional Forests Officer

  
Divisional Forest Officer  
Sonapat Forest Division  
Office Seal Sonapat



Title of the Project : For Construction of 132 Kv S/C line on D/C tower from 132 Kv S/stn Tajpur to 132 Kv S/stn Bega crossing various strips of Protected forest land, under Forest Division & Distt Sonipat.  
File No. :  
Date of Proposal:-

**LIST SERIAL NUMBER-12**


**UNDERTAKING FOR PAYMENT OF COST OF COMPENSATORY AFFORESTATION**

I Executive Engineer, T.S. Division, H.V.P.N.L. Panipat hereby, undertake to pay the entire amount for compensatory afforestation in lieu of 0.1296 Hac of forest area to be diverted For Construction of 132 Kv S/C line on D/C tower from 132 Kv S stn Tajpur to 132 Kv S/stn Bega crossing various strips of Protected forest land, under Forest Division & Distt Sonipat as per prevailing wage rates at the time of plantation.

Place .....  
Date .....

Signature of User Agency   
Office Seal **Executive Engineer**  
**T.S. Division, HVPNL**  
**PANIPAT**

Counter signed by :-

Divisional Forests Officer  
  
Forest Division  
Office Seal **Divisional Forest Officer**  
**Sonapat Forest Division**  
**Sonapat**

Title of the Project : For Construction of 132 Kv S/C line on D/C tower from 132 Kv S/stn Tajpur to 132 Kv S/stn Bega crossing various strips of Protected forest land, under Forest Division & Distt Sonipat.  
File No. :  
Date of Proposal:-

**CHECK LIST SERIAL NUMBER-13**

**UNDERTAKING FOR PAYMENT OF NET PRESENT VALUE OF FOREST AREA**


It is to certify that I Executive Engineer, T.S. Division, H.V.P.N.L. Panipat have applied for diversion of 0.1296 hac. of forest area for the purpose of Construction of 132 Kv S/C line on D/C tower from 132 Kv S/stn Tajpur to 132 Kv S/stn Bega crossing various strips of Protected forest land, under Forest Division & Distt Sonipat.

I hereby, undertake to pay the net present value (NPV) of the above forest land. I also, hereby, undertake to pay the additional amount of NPV, if so determined as per the decision of the Hon'ble Supreme Court.

Place : .....

Date : .....

Signature of User Agency  
Office Seal

  
Executive Engineer  
T.S. Division, HVPNL  
PANIPAT

Counter signed by :-

Divisional Forests Officer

  
..... Forest Division  
Office Seal Sonopal Forest Division  
Sonopat



Title of the Project : For Construction of 132 Kv S/C line on D/C tower from 132 Kv S/stn Tajpur to 132 Kv S/stn Bega crossing various strips of Protected forest land, under Forest Division & Distt Sonipat.  
File No. :  
Date of Proposal:-

### CHECK LIST SERIAL NUMBER-13 (A)

## UNDERTAKING FOR PAYMENT OF ADDITIONAL NET PRESENT VALUE OF FOREST AREA

It is to certify that I Executive Engineer, T.S. Division, H.V.P.N.L. Panipat have applied for diversion of 0.1296 hac. of forest area for the purpose of Construction of 132 Kv S/C line on D/C tower from 132 Kv S/stn Tajpur to 132 Kv S/stn Bega crossing various strips of Protected forest land, under Forest Division & Distt Sonipat.  
I hereby, undertake to pay the additional amount of NPV, if so determined as per the decision of the Hon'ble Supreme Court.

Place : .....

Date : .....

Signature of User Agency  
Office Seal

  
Executive Engineer  
T.S. Division, HVPNL  
PANIPAT

Counter signed by :-

Divisional Forests Officer

  
..... Divisional Forests Officer  
Office Seal Sonapat Forest Division  
Sonapat

**ABSTRACT OF EMERGENCY FELLING GREEN STANDING TREES OF SONEPAT RANGE (SONEPAT FOREST DIVISION)  
DURING THE YEAR 2018-19.**

CA CASE 0.1296 ha. in Proposal No. 36545/2018 (Transmission Line)

S. No.	Lot No.	Name of Reach	Species	V			IV			III			IIA			IIB			IA			IB			Total trees	Total Vol.			
				a	b	c	a	b	c	a	b	c	a	b	c	a	b	c	a	b	c	a	b	c					
1		Bani Sanpera Rannage r road Km 5 to 6 L&R	Euc.	a	b	c	a	b	c	a	b	c	a	b	c	a	b	c	a	b	c	a	b	c	a	b	c	13	3.75
				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
				7			5			1			0			0			0			0							
				0			1			0			0			0			0			0							
				1			1			0			1			0			0			0							
				0			2			0			0			0			0			0							
				8			9			1			1			0			0			0							
				Total			19			5.50			Total			Total			Total			Total							
				Euc.			17			14.26			Total			Total			Total			Total							
				Kiker			0			0			0			0			0			0							
Shisham			0			0			0			0			0			0											
Misc.			0			0			0			0			0			0											
Total			0			0.00			Total			Total			Total			Total											
Euc.			17			14.26			Total			Total			Total			Total											
Kiker			7			10			12			1			0			0			30			18.01					
Shisham			1			1			0			0			0			0			1			0.14					
Misc.			0			2			0			0			0			0			3			1.33					
Total			8			14			12			2			0			0			2			0.28					
Euc.			36			19.76			Total			Total			Total			Total			Total								
Kiker			0			0			0			0			0			0			0			0					
Shisham			1			1			0			0			0			0			1			0.14					
Misc.			0			2			0			0			0			0			3			1.33					
Total			8			14			12			2			0			0			2			0.28					
Euc.			17			14.26			Total			Total			Total			Total			Total								
Kiker			7			10			12			1			0			0			30			18.01					
Shisham			1			1			0			0			0			0			1			0.14					
Misc.			0			2			0			0			0			0			3			1.33					
Total			8			14			12			2			0			0			2			0.28					
Euc.			36			19.76			Total			Total			Total			Total			Total								
Kiker			0			0			0			0			0			0			0			0					
Shisham			1			1			0			0			0			0			1			0.14					
Misc.			0			2			0			0			0			0			3			1.33					
Total			8			14			12			2			0			0			2			0.28					
Euc.			17			14.26			Total			Total			Total			Total			Total								
Kiker			7			10			12			1			0			0			30			18.01					
Shisham			1			1			0			0			0			0			1			0.14					
Misc.			0			2			0			0			0			0			3			1.33					
Total			8			14			12			2			0			0			2			0.28					
Euc.			36			19.76			Total			Total			Total			Total			Total								
Kiker			0			0			0			0			0			0			0			0					
Shisham			1			1			0			0			0			0			1			0.14					
Misc.			0			2			0			0			0			0			3			1.33					
Total			8			14			12			2			0			0			2			0.28					
Euc.			17			14.26			Total			Total			Total			Total			Total								
Kiker			7			10			12			1			0			0			30			18.01					
Shisham			1			1			0			0			0			0			1			0.14					
Misc.			0			2			0			0			0			0			3			1.33					
Total			8			14			12			2			0			0			2			0.28					
Euc.			36			19.76			Total			Total			Total			Total			Total								
Kiker			0			0			0			0			0			0			0			0					
Shisham			1			1			0			0			0			0			1			0.14					
Misc.			0			2			0			0			0			0			3			1.33					
Total			8			14			12			2			0			0			2			0.28					
Euc.			17			14.26			Total			Total			Total			Total			Total								
Kiker			7			10			12			1			0			0			30			18.01					
Shisham			1			1			0			0			0			0			1			0.14					
Misc.			0			2			0			0			0			0			3			1.33					
Total			8			14			12			2			0			0			2			0.28					
Euc.			36			19.76			Total			Total			Total			Total			Total								
Kiker			0			0			0			0			0			0			0			0					
Shisham			1			1			0			0			0			0			1			0.14					
Misc.			0			2			0			0			0			0			3			1.33					
Total			8			14			12			2			0			0			2			0.28					

Divisional Forest Officer,  
Sonepat Forest Division  
Sonepat Forest Division



**Marking List of Green Standing Trees along Ganaur-Bega Road KM 2-3 L&R**

**Vide DFO Sonapat Letter No. 2597 Dated 20/02/2019 & Letter No. 2777 Dated 18/03/2019**

No.	Enu. No.	Name of Reach	KM RD/ Khasra No.	Side	Species	Girth (in cms)	Class	Remarks
1	48	Ganaur-Bega Road	KM 2-3	Left	Safeda	89	IV	हरा खड़ा
2	49	do	KM 2-3	Left	Safeda	100	III	हरा खड़ा
3	50	do	KM 2-3	Left	Safeda	93	III	हरा खड़ा
4	51	do	KM 2-3	Left	Safeda	93	III	हरा खड़ा
5	52	do	KM 2-3	Left	Safeda	74	IV	हरा खड़ा
6	53	do	KM 2-3	Left	Safeda	110	III	हरा खड़ा
7	54	do	KM 2-3	Left	Safeda	67	IV	सुखा खड़ा
8	55	do	KM 2-3	Left	Safeda	77	IV	हरा खड़ा
9	56	do	KM 2-3	Left	Safeda	111	III	हरा खड़ा
10	57	do	KM 2-3	Left	Safeda	122	IIA	हरा खड़ा
11	58	do	KM 2-3	Left	Safeda	95	III	हरा खड़ा
12	59	do	KM 2-3	Right	Safeda	110	III	हरा खड़ा
13	60	do	KM 2-3	Right	Safeda	94	III	हरा खड़ा
14	61	do	KM 2-3	Right	Safeda	112	III	हरा खड़ा
15	62	do	KM 2-3	Right	Safeda	96	III	हरा खड़ा
16	63	do	KM 2-3	Right	Safeda	68	IV	हरा खड़ा
17	64	do	KM 2-3	Right	Safeda	119	III	हरा खड़ा

प्रमाणित है कि उपरोक्त सूची मीक पर जाकर बनाई गई है। वृक्षों की मौके अनुसार काट कट कस नहीं है व ना ही किसानों का हिस्सा बनता है।

*Anand Singh*

**ABSTRACT**

Species	IV	III	IIA	IIB	IA	IB	Total	Volume
IV	5	11	1	0	0	0	17	14.26
III	0	0	0	0	0	0	0	0
IIA	0	0	0	0	0	0	0	0
IIB	0	0	0	0	0	0	0	0
IA	0	0	0	0	0	0	0	0
IB	0	0	0	0	0	0	0	0
<b>Total</b>	<b>5</b>	<b>11</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17</b>	<b>14.26</b>

*Anand Singh*

Certified that 25% 100% Marking  
List has been Checked by me &  
found correct

*Sandip Moh*  
R.O. Sonapat

*[Signature]*  
Divisional Forest Officer  
Sonapat Forest Division  
Sonapat

40

**Marking List of Green Standing Trees along Bari-Sanpera-Ramnagar Road KM 5-6 L&R**  
**Vide DFO Sonapat Letter No. 2597 Dated 20/02/2019 & Letter No. 2777 Dated 18/03/2019**

35  
41

Sr. No.	Enu. No.	Name of Reach	KM/RD/Khasra No.	Side	Species	Girth (in cms)	Class	Remarks
1	131	Bari-Sanpera-Ramnagar	KM 5-6	Left	Safeda	64	IV	सुखा खडा
2	132	Road	KM 5-6	Left	Shisham	58	V	हरा खडा
3	133	do	KM 5-6	Left	Shisham	125	IIA	हरा खडा
4	134	do	KM 5-6	Left	Safeda	81	IV	हरा खडा
5	135	do	KM 5-6	Left	Shisham	88	IV	हरा खडा
6	136	do	KM 5-6	Left	Safeda	47	V	हरा खडा
7	137	do	KM 5-6	Left	Safeda	52	V	सुखा खडा
8	138	do	KM 5-6	Left	Safeda	81	IV	सुखा खडा
9	139	do	KM 5-6	Left	Safeda	58	V	हरा खडा
10	140	do	KM 5-6	Left	Safeda	59	V	हरा खडा
11	141	do	KM 5-6	Left	Safeda	52	V	हरा खडा
12	142	do	KM 5-6	Right	Beri	74	IV	हरा खडा
13	60	do	KM 5-6	Right	Kiker	68	IV	दूड-जली हुई
14	-	do	KM 5-6	Right	Neem	64	IV	हरा खडा
15	-	do	KM 5-6	Right	Safeda	47	V	हरा खडा
16	61	do	KM 5-6	Right	Safeda	58	V	हरा खडा
17	62	do	KM 5-6	Right	Safeda	86	IV	हरा खडा
18	63	do	KM 5-6	Right	Safeda	63	IV	हरा खडा
19	64	do	KM 5-6	Right	Safeda	102	III	हरा खडा

श्रीमान् जी.

प्रमाणित किया जाता है कि उक्त मार्किंग सूची मौके पर जाकर बनाई गई है। वृक्षों की मौके अनुसार किस्म व लपेट सही है। इन पर कोई कोर्ट केस नहीं है व ना ही किसानों का हिरसा बनता है।

*Anand myla*

**ABSTRACT**

Species	V	IV	III	IIA	IB	IA	IB	Total	Volume
Euc.	7	5	1	0	0	0	0	13	3.75
Shisham	1	1	0	1	0	0	0	3	1.33
Kiker	0	1	0	0	0	0	0	1	0.14
Misc.	0	2	0	0	0	0	0	2	0.28
<b>Total</b>	<b>8</b>	<b>9</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>19</b>	<b>5.5</b>

*Anand myla*

Certified that 25% 100% Marking List has been Checked by me & found correct

*Sandeep*

R.O Sonapat

Divisional Forest Officer  
 Sonapat Forest Division  
 Sonapat



Full Title of the Project :

Fca case  
Diversion of 0.1296 ha. of forest land in favour of  
Executive Engineer, TS Division HVPNL, Panipat  
for erection of 132 KV S/C Transmission Line from  
132 KV S/stn. Tajpur to 132 KV S/stn. Bega, under  
Division & Distt. Sonapat.

File No. : FP/HR/TRANS/36545/2018  
Date of Proposal : 31-01-2019

### प्रमाण-पत्र

प्रमाणित किया जाता है कि प्र०मु०व०सं०, हरियाणा के पत्र क्रमांक D-X-66/2463-71 दिनांक 9-7-2010 द्वारा जारी हिदायतो अनुसार उक्त Diversion of 0.1296 ha. of forest land in favour of Executive Engineer, TS Division HVPNL, Panipat for erection of 132 KV S/C Transmission Line from 132 KV S/stn. Tajpur to 132 KV S/stn. Bega, under Division & Distt. Sonapat के आस-पास कोई भी वाईल्ड लाईफ सैन्चुरी नहीं है।

वन मण्डल अधिकारी  
Divisional Forest Officer  
Sonapat, TS Division  
Sonapat

### निरीक्षण रिपोर्ट

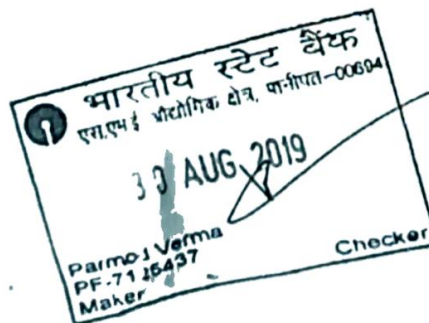
निम्नहस्ताक्षरी द्वारा गौके का निरीक्षण किया गया इस केस में वन विभाग का कुल (0.1296 ha.) सुरक्षित वन क्षेत्र प्रभावित होगा और प्रभावित क्षेत्र में वन विभाग के 36 वृक्ष 19.76 घनत्व बाधक हैं।

वन मण्डल अधिकारी,  
Divisional Forest Officer  
Sonapat, TS Division  
Sonapat

AGENCY COPY	
NEFT / RTGS CHALLAN for Ad-HOC CAMPA	
Date : 09-07-2019	
Agency Name	HVPNL <del>KURUSHEDRA</del>
Application No.	6436545576
MoEF/SG File No.	8778
Location.	HARAYANA
Address.	Sector 6, Shakti Bhawan HVPNL, Panchkula, Sirsa
Amount(In Rs)	618565/-
Amount in Words Six Lakh Eighteen Thousand Five Hundred and Sixty-Five Rupees Only	
NEFT/RTGS to be made as per following details;	
Beneficiary Name:	HARAYANA CAMPA
IFSC Code:	CORP0000371
Pay to Account No.	150696436545576 Valid only for this challan amount.
Bank Name & Address:	Corporation Bank Lodhi Complex Branch, Block 11, CGO Complex, Phase I, Lodhi Road, New Delhi -110003
<ul style="list-style-type: none"> <li>This Challan is strictly to be used for making payment to CAMPA by NEFT/RTGS only</li> <li>This challan is valid only for seven days.</li> </ul>	

BANK COPY	
NEFT / RTGS CHALLAN for Ad-HOC CAMPA	
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After making successful payment, User Agencies may send a line of confirmation through  
Email: [helpdeskcampa@corpbank.co.in](mailto:helpdeskcampa@corpbank.co.in)







# HARYANA VIDYUT PRASARAN NIGAM LTD.

Regd. Office: Shakti Bhawan Sector-6, Panchkula



SDO Const. Sub Division, HVPNL, Sonipat  
At 220KV Sub-Station, Sonipat

To

The District Forest Officer,  
Sonipat.

Memo No: Ch-49/SNP-74

Dated : 30.12.2019

**Sub: - Status/approval for Stage-II i.r.o.132 KV S/C line on D/C towers from 132KV S/Stn Tajpur to 132KV S/Stn Begga ( FP/HR/TRANS/36545/ 2018)**

**Ref. our previous memo no. Ch-44/SNP-74 Dated 12.09.2019**

In this connection it is submitted that stage -I approval for the Diversion of forest land for construction of 132 KV S/C line on D/C towers from 132KV S/Stn Tajpur to 132KV S/Stn Begga was received and an amount of Rs. 6,18,565/- has been deposited online for the further necessary action for the stage-II approval but till now no any approval received. The work of the subject cited line is under progress and may be completed in next 5-7days tentatively.

So you are requested to take up the matter with concerned authorities for the stage-II approval so that subject cited line may be energized in scheduled time.

This is for your kind information & further necessary action pls.

Cc:

1. XEN/TS,DIV.HVPNL,Panipat for kind information & further action pls.

*Rajesh*  
SDO Const. S/Division,  
HVPNL, Sonipat.

*o/c sub*  
SONIPAT

**COMPLIANCE OF THE SCHEDULED TRIBES AND OTHER TRADITIONAL FOREST DWELLERS (RECOGNITION OF FOREST RIGHTS) ACT, 2006.**

ENDST: 766 /MB

DATED: 01-02-2022

(CERTIFICATE TO BE GIVEN BY THE CONCERNED DEPUTY COLLECTOR)

**TITLE OF THE CASE/PROJECT :** Diversion of 0.1296 ha. of forest land in favour of Executive Engineer, TS Division HVPNL, Panipat for erection of 132 KV S/C Transmission Line from 132 KV S/stn. Tajpur to 132 KV S/stn. Bega, under Division & Distt. Sonapat. District/Forest Division falls within jurisdiction of Bega village in Gannaur tehsil.

It is certified that the forest land proposed to be diverted is plantation which was notified as "forest" less than 75 years prior to the 13<sup>th</sup> day of December 2005 and is located in villages having no recorded population of Scheduled Tribes, as per the Census -2001 and the Census-2011.

*[Handwritten Signature]*  
Division Forest Officer  
Sonapat Forest Division  
Sonapat

FEA B<sup>v</sup>  
94  
1/2/22

Signature,

*[Handwritten Signature]*

(Full Name and Official Seal)

of the District Collector)





# HARYANA VIDYUT PRASARAN NIGAM LTD.

Regd. Office Shakti Bhawan, Sector-6, Panchkula  
 Corporate Identity number: U4010HR1997SGC033683  
 Website: www.hvnpn.gov.in email: cemm@hvnpn.org.in  
 TEL No. 0172-2583724 Fax no. 0172-2583727

To

M/s RS Infraprojects Pvt. Ltd.  
 B-133, Sector-2,  
 Noida-201301

P.O. No. 2311/REC-216/Xen(WB)

Dated: 06.04.2018

Sub: Construction of 132 kV S/C line on D/C towers from 132 kV S/Stn. Tajpur to 132 kV S/Stn Bega with 0.4 sq inch ACSR Zebra Conductor on turnkey basis against tender enquiry no. REC-216 (NIT No. 918 dated 13.11.2017)

This is to notify that your offer/bid ref. no. RSIPL/HVNP/REC-216/ 01/2017-18/465 dated 12.12.2017 and further clarification vide ref no RSIPL/HVNP/REC-216/2017-18/01/090 dated 31.01.2018, negotiation letter dated 01.03.2018 and upto date correspondence exchanged on the subject for supply, erection, civil, testing and commissioning of equipment for construction of 132 kV S/C line on D/C towers from 132 kV s/stn. Tajpur to 132 kV S/Stn. Bega with 0.4 sq inch ACSR Zebra Conductor on turnkey basis against tender enquiry no. REC-216 has already been accepted vide Letter of Award sent vide this office Memo No. Ch-47/REC-216/XEN/WB dated 14.03.2018. The Letter of Award has already been accepted by you vide letter no. RSIPL/HVNP/REC-216/2017-18/LOA Acceptance dated 16.03.2018 and thus a contract has come into force thereof.

Sr. No.	Name of line	Length of line (in Km.)
1	132 kV S/C line on D/C towers from 132 kV s/stn. Tajpur to 132 kV S/Stn. Bega with 0.4 sq inch ACSR Zebra Conductor	11.1

### WORK SCHEDULE :-

The successful Bidder immediately after award of contract is required to start the work of route survey and route alignment of 132 kV transmission line at site. At the same time stub sets, Form Boxes, Sag Templates etc. in sufficient quantity will also be arranged. It is expected that the Contractor will commence the construction activity at sites within 1 month from the date of award of contract and the Equipment will start arriving at sites within 2 months after the date of award of contract.

The bidder shall include in his proposal his Programme for Plannings, optimization of Gantry locations and erecting the Gantries covered in this Specification. The Programme shall be in the form of a master network illustrating all necessary activities identifying key phases in various areas of the total work like design, procurement, manufacture and field activity such that the 132 kV transmission line under the scope are commissioned within period mentioned in scope of bid (clause 1.1) from the date of signing of contract (i.e. 12 months as indicated). The contract agreement will be signed within 30 days of issue of Letter of Award (LOA). In case, there is delay in signing of contract, the contractual completion period will be counted from the 30th day of issue of letter of award, irrespective of the reason of delay in signing of the contract. Offers which do not conform to the requirements of the above time schedule are liable to be rejected.

### PRICES:

Prices quoted by the bidder shall be FIRM during the performance of the contract and shall not be subject to variation on any account except for unit price of ACSR conductor and towers (including its extension and gantries). The unit price of conductor shall be variable as per CACMAI circulars with base price 30 days prior to opening of tenders and applicable rate as on 30 days prior to offer of material for inspection. The unit price of towers shall be variable as per IEEMA circulars with base price 30 days prior to opening of tenders and applicable rate as on 30 days prior to offer of material for inspection. The price variation shall be applicable only during the contractual period as per APPROVED PERT CHART. However, if the material is supplied after the supply schedule as mentioned in the approved PERT Chart or after the contractual completion period, the payable price shall be lower of the prices arrived at after applying IEEMA indices on the required date of supply of material and the date of actual offer of material.

### TAXES & DUTIES:

As per clause 14 of ITB and clause 52 of Conditions of Contract.

### PRICE SCHEDULES:

The details of price of material supplied & their prices for erection, civil works, testing & commissioning are given as under: -

132 kV S/C line on D/C towers from 132 kV S/Stn. Tajpur to 132 kV S/Stn Bega with 0.4 sq inch ACSR Zebra Conductor

S. N.	DESCRIPTION	UNIT	Total Qty. (for Supply And Erection)	Total Qty. For Civil Works	(Supply) Unit Price (Including Ex-works Price, F&I And All Other Taxes, Duties, Levies/ Cess Excluding GST) (INR)	(Supply) Sub-Total Price (Including Ex-works Price, F&I And All Other Taxes, Duties, Levies/ Cess Excluding GST) (INR)	(Erection) Unit Price (Including Erection Works Charges, F&I And All Other Taxes, Duties, Levies/ Cess Excluding GST) (INR)	(Erection) Sub-Total Price (Including Erection Works Charges, F&I And All Other Taxes, Duties, Levies/ Cess Excluding GST) (INR)	(Civil) Unit Price (Including Civil Works Charges, F&I And All Other Taxes, Duties, Levies/ Cess Excluding GST) (INR)	(Civil) Sub-Total Price (Including Civil Works Charges, F&I And All Other Taxes, Duties, Levies/ Cess Excluding GST) (INR)	Total Price (INR)	Gross Total Including GST
1	Fabrication, supply and erection of tower part with stubs, bolts & nuts, step bolts, U-bolts, hangers, D-shackle etc. of following type of Towers as per HVPN's K.R.R. design.	No.	37	0	228668.99	8460752.69	23610.37	873583.69	0.00	0.00	9334336.39	11014516.94
2	i) +3 mtr. extn. only	No.	5	0	34417.44	172087.18	3559.65	17798.27	0.00	0.00	189885.45	224064.83
3	i) 132kV DB type tower (K.R.R. Design)	No.	1	0	342670.13	342670.13	35526.67	35526.67	0.00	0.00	378196.81	448272.23
4	i) 132kV DC type Tower (K.R.R. Design)	No.	2	0	358583.77	717167.54	37110.47	74220.93	0.00	0.00	791388.47	933838.40
5	ii) +3 mtr. extn. only	No.	2	0	78956.79	157913.58	8183.53	16327.05	0.00	0.00	174240.63	205603.94
6	i) 132kV DD type Tower (K.R.R. Design)	No.	8	0	466197.33	3729578.85	48493.02	387944.13	0.00	0.00	4117522.78	4858676.88
7	ii) +6 mtr. extn. only	No.	1	0	158893.74	158893.74	16620.13	16620.13	0.00	0.00	175513.88	207106.37
8	iii) Extra cross arm (Sets of 3)	Set	3	0	92283.17	276849.52	9516.35	28549.05	0.00	0.00	305398.57	360170.31



9	supply and erection of Gantry set for D/C KRR design	Set	2	0	206633.68	413267.38	21852.88	43705.73	0.00	0.00	456973.09	539228.25
10	supply and erection of earthing of towers i) Pipe type	Sets	50	0	4852.31	242615.50	3603.33	180186.27	0.00	0.00	422781.77	498882.49
11	supply and erection of following Tower accessories i) Danger Plate	No.	50	0	291.14	14556.93	144.60	7229.94	0.00	0.00	21786.87	25708.51
12	ii) Number Plate	No.	50	0	291.14	14556.93	144.60	7229.94	0.00	0.00	21786.87	25708.51
13	iii) Phase Plate(set of 3)	Sets	14	0	291.14	4075.94	144.60	2024.38	0.00	0.00	6100.32	7198.38
14	iv) Circuit Plate	No.	50	0	291.14	14556.93	144.60	7229.94	0.00	0.00	21786.87	25708.51
15	v) Bird Guard (Set of 3)	Sets	37	0	824.89	30521.03	144.60	5350.16	0.00	0.00	35871.19	42328.00
16	vi) Anti climbing device	Sets	50	0	7763.70	388184.80	1441.14	72056.80	0.00	0.00	460241.61	543085.09
17	LINE MATERIAL supply and erection of Conductor (ACSR Zebra:54/7/ 3.18 mm)	Km	33.63	0	257631.46	8664145.99	14799.55	497708.72	0.00	0.00	9161854.71	10810988.56
18	supply and erection of Earth wire(7/ 3.15 mm)	Km	11.21	0	33288.79	373167.31	7399.77	82951.45	0.00	0.00	456118.76	538220.14
19	supply and erection of A/F type Disc Insulator or 132 kV Silicon Rubber Polymer Insulator strings i) 70 kN	No.	126	0	2332.99	293956.82	35.91	4524.29	0.00	0.00	298481.12	352207.72
20	ii) 120 kN	No.	84	0	2444.59	205345.88	35.91	3016.20	0.00	0.00	208362.07	245867.25
21	supply and erection of 132kV Post Insulators (a) Single Suspension String	Set	111	0	2478.56	275120.16	35.91	3985.69	0.00	0.00	279105.84	329344.89
22	(b) Single suspension pilot string	Set	15	0	942.32	14134.78	35.91	538.61	0.00	0.00	14673.39	17314.59
23	(c) Single Tension string	Set	84	0	2093.29	175836.07	35.91	3016.20	0.00	0.00	178852.27	211045.67
24	supply and erection of Conductor & Earth wire Accessories i) Mid Span Compression Joint for conductor	No.	22	0	807.42	17763.34	35.91	789.96	0.00	0.00	18553.29	21892.89
25	ii) Mid Span Compression Joint for earth wire	No.	6	0	156.24	937.47	35.91	215.44	0.00	0.00	1152.91	1360.43
26	iii) Repair sleeves for conductor	No.	6	0	221.27	1327.59	35.91	215.44	0.00	0.00	1543.03	1820.78
27	iv) Flexible copper Bond	No.	50	0	348.40	17419.79	35.91	1795.35	0.00	0.00	19215.15	22673.87
28	v) Vibration damper for conductor	No.	378	0	608.48	230005.32	35.91	13572.88	0.00	0.00	243578.20	287422.28
29	vi) Vibration damper for earthwire	No.	126	0	382.36	48177.62	35.91	4524.29	0.00	0.00	52701.91	62188.25
30	vii) Earth-wire tension clamp	No.	28	0	380.42	10651.79	35.91	1005.40	0.00	0.00	11657.19	13755.48
31	viii) Earth-wire suspension clamp	No.	37	0	388.18	14362.84	35.91	1328.56	0.00	0.00	15691.40	18515.85
32	Detailed Survey	Km.	0	11	0.00	0.00	0.00	0.00	13691.28	150604.06	150604.06	177712.79
33	Furnishing bore log data	No.	0	12	0.00	0.00	0.00	0.00	4323.41	51880.90	51880.90	61219.46
34	Construction of 132kV D/C tower foundations as per HVPNL Drawings & Specifications for 0 to 6M extension including excavation, concreting, supply and placement of steel reinforcement and backfilling complete in all respect. i) 132kV D/C Tower type 'DA' (KRR Design) classified as - Dry	No.	0	15	0.00	0.00	0.00	0.00	121671.67	1825075.11	1825075.11	2153588.63
35	- Wet (w/out de-	No.	0	22	0.00	0.00	0.00	0.00	166786.51	3669303.25	3669303.25	4329777.84
36	ii) 132kV D/C Tower type 'DB' (KRR Design) classified as - Wet (w/out de-watering)	No.	0	1	0.00	0.00	0.00	0.00	262600.23	262600.23	262600.23	309868.27
37	iii) 132kV D/C Tower type 'DC' (KRR Design) classified as - Dry	No.	0	1	0.00	0.00	0.00	0.00	216156.83	216156.83	216156.83	255065.05
38	- Wet (w/out de-watering)	No.	0	1	0.00	0.00	0.00	0.00	289125.86	289125.86	289125.86	341168.52
39	iv) 132kV D/C Tower type 'DD' (KRR Design) classified as - Dry	No.	0	3	0.00	0.00	0.00	0.00	301184.82	903554.47	903554.47	1066194.28



40	- Wet (w/out de-watering)	No.	0	5	0.00	0.00	0.00	0.00	357160.10	1785800.51	1785800.51	2107244.60	
41	Construction of 132kV D/C gantry foundations as per HVPNL Drgs. & specs including excavation, concreting, supply & placement of steel reinforcement & backfilling complete in all respect. i) KRR design gantry (set of 3 no. foundations)	No.	0	2	0.00	0.00	0.00	0.00	150581.74	301163.47	301163.47	355372.90	
42	Dewatering of subsoil water for	No.	0	10	0.00	0.00	0.00	0.00	69873.26	698732.64	698732.64	824504.52	
43	Protection Measure Brick masonry in 1:4 cement sand mortar including excavation	Cum	0	2	0.00	0.00	0.00	0.00	4323.41	8646.82	8646.82	10203.24	
44	Earth filling, compaction, leveling etc inside revetments	Cum	0	2	0.00	0.00	0.00	0.00	360.04	720.08	720.08	849.70	
45	M-20 (1:1½ :3 mix) concrete for top seal cover, for revetment etc.	Cum	0	1	0.00	0.00	0.00	0.00	9267.91	9267.91	9267.91	10935.14	
46	Lean concrete (1:4:8)	Cum	0	1	0.00	0.00	0.00	0.00	8345.97	8345.97	8345.97	9848.25	
47	RCC 1:1.5:3 M-20 including excavation, cutting and placing of steel, centering & shuttering, concreting complete in all respect.	Cum	0	5	0.00	0.00	0.00	0.00	15852.50	79262.48	79262.48	93529.73	
OR SAY									25480601	2394752	10260241	38135593	45000000
											4,50,00,000		

Rs. 4,50,00,000/- (Rs. Four Crores and Fifty Lacs Only) including GST and all other taxes & duties etc.

#### LIQUIDATED DAMAGES (Clause 27 of COC)

The total amount of liquidated damages for delay under the contract will be subject to a maximum 8% of the Contract price of the works not commissioned in time.

In addition, if the Contractor fails to perform the work within the specified period given in the Award Letter or any extension thereof, with respect to successful completion of testing & commissioning of sub-stations, the Contractor shall pay to the Employer liquidated damages as under:-

1 <sup>st</sup> week to 8 <sup>th</sup> week or part thereof	0.25% per week	2%
9 <sup>th</sup> week to 20 <sup>th</sup> week or part thereof	0.50% per week	6%
Total		8%

However, the amount of liquidated damages for the contract be limited to a maximum of Eight percent (8%) of the total contract price of the works not commissioned in time.

In case where works/supplies extend beyond the contractual completion period, the amount towards LD shall not be withheld/ retained from the RA/supply bills. The same shall however be withheld/ retained from the pending bills/retention money after payment of 90% of the contract amount to the contractor. In case the LD is not recovered in full, the same shall be recovered from payments due to the contractor in other contracts being executed in HVPNL.

#### TIME FOR COMPLETION (Clause-25 of COC)

All the works covered under the contract shall be completed and commissioned within period mentioned in scope of bid (clause 1.1) from the date of signing of contract (i.e. 12 months as indicated). The contract agreement will be signed within 30 days of issue of Letter of Award (LOA). In case, there is delay in signing of contract, the contractual completion period will be counted from the 30th day of issue of Letter of Award, irrespective of the reason of delay in signing of the contract.

#### PAYMENT TERMS:

The payment shall be regulated as per clause 33 of Conditions of Contract of Bidding Documents as detailed under: -

##### Terms of payment

A Interest bearing mobilisation advance equal to 10 % of the contract value may be made on request by the turnkey contractor subject to fulfillment of following conditions: -

a). Interest bearing Mobilisation advance:

- 1st installment of Advance payment to the extent 2% at the time of signing of contract.
- 2nd installment of Advance payment to the extent 2% at the time of opening of site office.
- 3rd installment of Advance payment to the extent 6% on submission of invoice and proof by the contractor that civil subcontractor is appointed.

This advance shall be subject to fulfillment of following conditions:

- Submission of an unconditional and irrevocable Bank Guarantee for the equivalent amount of initial advance valid upto contractual completion period
- Submission of an unconditional and irrevocable Performance Bank Guarantee equivalent to 10% of the contract value. BG submitted by the contractor in lieu of mobilization advance can be reduced to the amount pending to be paid to the Nigam on account of advance at a given time i.e. if payment is recovered from the bill then simultaneously, the firm will be allowed to revise the amount of bank guarantee in five equal installments. Firm can submit 5 Nos. BG's of equal amount for the total amount of advance to be taken from the Nigam.
- Submission of an undertaking that they will mobilize construction gangs within one month of receipt of advance which will include deployment of labour and construction T&P, commencement of route survey work of the lines, opening of site office, placement of orders of major equipment etc
- The advance shall bear an interest rate equal to PLR of SBI for quarterly compounded scheme, prevailing at the time of payment of mobilization advance. The interest on outstanding amount will be calculated at the end of each calendar month and will be recovered from the invoices to be submitted for payment in the next calendar month by the contractor.
- The amount of advance will be recovered @ 20% of the value of each invoice submitted by the contractor for payment. The Bank Guarantee submitted by the contractor for mobilisation advance will be released in 5 equal installments after the amount of advance is recovered from the contractor.
- The payment of mobilisation advance is optional. The contractor has the option of taking the interest-bearing interim advance or otherwise which he should indicate at the time of bid finalisation.



**3 Payment for line material**

90% payment of the unit Price along with payable GST after deducting mobilisation advance @ 20% of the bill amount and upto date accrued interest thereon shall be paid within 30 days after receipt of material in site stores, but after verification by the concerned XEN. The payment shall be made on submission of following documents by the supplier to FA&CAO/MM, HVPNL, Panchkula:-

- i) Documentary evidence of handing over of material at the contractor's site store, to HVPNL and its reissue to the contractor against indemnity bond for execution of work.
- ii) Contractor's detailed invoice.
- iii) Detailed packaging list.
- iv) Insurance Policy/ Certificate.
- v) Dispatch authorization issued by the employer.
- vi) Sequential certificate.

**PROPOSED STAGES DEFINED FOR ISSUE OF SEQUENTIAL CERTIFICATES**

Issuance of Sequential Certificate i.r.o. following items are only proposed to be necessary for payment of the equipment which shall be issued by the concerned XEN/TS as per conditions defined. The stages for issuance of sequential certificates are as under:-

**a. FOR TRANSMISSION LINES:-**

S. No.	Name of Equipments	Stage for issue of Sequential Certificate
i	Foundations/Stubs	No Sequential
ii	Tower	Payment of towers upto approved route plan and upto double the number of foundations casted
iii	Conductor and its fittings	Payment after casting of 50 % of foundations and 25 % of the erection of tower

**FOR XLPE POWER CABLES:-**

There will not be any sequential for cables, however cable shall only be paid after approval of corresponding route plan of cables.

**C. Payment for Erection & Civil Services:**

90% payment of the unit price along with payable GST after deducting mobilization advance @ 20% of the bill amount and upto date accrued interest thereon shall be paid within 30 days of submission of erection bill by the contractor to concerned SDO/SSE. The payment shall be made by FA & CAO (MM) after certification by the concerned Xen (TS).

The payment of any activity completed earlier than the period stipulated in PERT chart will be released as per schedule of erection in the approved PERT chart.

**D. RETENTION MONEY:**

Five percent (5%) of the total price shall be paid within 30 days on successful completion of erection, testing, commissioning and taking over the works by HVPNL at rated voltage

- i. In case if the work of transmission lines has been completed but could not be commissioned due to non-availability of sub-station than 2% out of the above 5% will be retain which will be released after commissioning of transmission lines at rated voltage.

Remaining Five Percent (5%) of the total price shall be paid after 30 days of submission of completion certificate issued by XEN/TS immediately after 3 months from taking over certificate along with quantification of left over works/ punch points for recovery.

- ii. The works left out at the time of taking over shall be completed within 3 months failing which left over work/ punch points indicated in completion certificate will be get done by HVPNL and for civil works the amount 3 times of (HSR+ Ceiling Premium) and for electrical or other left out works the amount 3 times the estimated cost based on rate list/Market rate will be recovered from the 5 % retention money and Bank guarantee if required.

**DELIVERY & DOCUMENTS:**

As per clause 33.2 of COC of bidding document.

**INSURANCE:**

As per clause 43.0 of COC of bidding documents.

**CONTRACTOR'S LIABILITY**

You shall indemnify the employer against all losses, expenses and claims in the event of any loss of or damage to physical property (other than the works), death or personal injury as per clause 40.1 of COC of bidding documents.

**DEFECT LIABILITY/ WARRANTY**

As per clause 30.1 of COC of bidding document the defects liability period will be 12 months from the date of commissioning of transmission line.

**PERFORMANCE SECURITY:**

Within 30 days of the receipt of notification of Letter of Award, you shall furnish a performance security in the shape of Bank Guarantee to HVPNL for 10% of the contract price as per clause 33 of ITB of bidding documents. The guarantee shall be valid up to 90 days after the end of the warranty period

**CONTRACT AGREEMENT:**

The contract Agreement will be signed by you within 30 days of the Issue of Letter of Award (LOA) as per clause: 32.0 of ITB of bidding documents and submit required performance guarantee.

**FORCE MAJEURE:**

As per clause 44.0 of COC of bidding documents

**INSPECTION AND TESTING:**

The material shall be inspected as per provision in clause 20.0 of COC of bidding documents .

**PACKING:**

The material shall be packed before despatch as per provisions in clause-33.3 of COC of bidding documents and as per provision in technical specification.

**QUANTITY VARIATION (Clause 54 of COC):**

The provisional quantities required are mentioned in the respective schedule of prices. Final quantities shall be determined after completion and approval of the detailed route survey and check survey. The final quantities of towers, gantries, line materials and foundations shall be confirmed by the employer based on the requirement of quantities of various items furnished by the contractor after completion of detailed survey. Hence, it will be the responsibility of the contractor to intimate the exact requirements of all towers, gantries, foundations and line materials required for line immediately after the survey. The Empowered Officer of the employer will order the final quantities at the unit rates quoted in the bid.

The Empowered Officer of the employer reserves the right to increase or decrease upto 15% (fifteen percent only) of contract value the quantity of bid and services specified without any change in the unit price or other terms and conditions during the execution of the contract. The quantities of individual items may vary upto any extent after the final route plans and route profiles of the lines covered in the package are finalised.

The prices of inequitable items i.e. the items which are not mentioned in the BOQ of contract, shall be decided by Nigam with mutual consent of bidder



**MAKES OF EQUIPMENT:**

i) You will supply the equipment of any of the following qualifying makes offered by you in Schedule-7 and as per clause 2.2 of ITB: -

Sr. No.	Name of Equipment	Makes to be supplied
1	Conductor	Gupta Power Infrastructure Ltd., Haryana Conductors Pvt. Ltd., Hindustan Vidyut Products Ltd., Oswal Cables, Prateek Wires, Mahaveer Transmission Ltd., Sterlite, Shashi Cables, Apar Industries Ltd., Anamika Conductors Ltd., JSK Industries Pvt. Ltd., Smita Conductors, Cabcon India, Dynamic Cables, Lumino Industries, Patriwal Industries, Laser Cables, CMI Ltd.
2	Earthwire	Himachal Wires, Kritika Wires, Nirmal Wires, Bharat Wire, UIC Wires, Geekay Wires, Bedmutha, Manohar Lal Heera Lal
3	Polymer Insulator	Deccan Enterprises Ltd., Goldstone, Phoenix Electrical, Spark Insulators, Shree Radhe Industries, Lamer Power, Aditya Birla Insulators, GK Xianghe
4	Hardware fittings & accessories	Honeywell Transmission, IAC Electrical, Supreme & Co. P. Ltd., EMI Transmission Ltd., Transmission Line Products, Rashtra Udhog, Aumni Transmission, Ventura Transmetal, Rajasthan Transmet, KRSNA Transmission, M.N. Brothers, AK Power Industries, KSE Industries, Asbesco Modern Mellable, Mosdorfer, Taj Corporation International Transmission Ltd.
5	Tower Accessories	M.N. Brothers, Ventura Transmetals, Aisha Transmission, Premier Enamel Works, Supreme & Co. Pvt. Ltd, Legion Energy, Spectra, Lohar Engineering, Essar Forging, ZM Engineering, Reliance Fabricator General Forging.


**DESPATCH OF MATERIAL:**

The equipments will be dispatched directly in your site stores and will be verified by the Engineer of HVPNL in site stores and will be handed over to you on submission of indemnity bond.

**TECHNICAL:**

You have submitted the undertaking regarding guaranteed technical particulars of the equipments along with the bid. Notwithstanding any errors and omissions in the said GTP's the same shall conform to technical specification of HVPNL/relevant ISS. All drawings and designs shall be submitted by you for approval in time as per provisions in the technical specification/ bidding documents. The submission of correct drawings shall be your sole responsibility.

You have agreed to all terms and conditions without any deviations as per conditions of contract and technical specification of bidding documents. Unless there is any thing repugnant or contrary to the context, all other terms and conditions will be applicable as per conditions of the NIT & bidding document.

  
Superintending Engineer/MM-I  
for CE/MM, HVPNL, Panchkula



# HARYANA VIDYUT PRASARAN NIGAM Ltd.

Office of: Chief Engineer/Planning, Shakti Bhawan, Sector-6, Panchkula-134 109  
FAX 0172-2584415. Phone 0172-2584338  
E-mail: ceplg@hvpn.gov.in

To  
The Chief General Manager/PD&C,  
UHBVN, Panchkula.

Memo No. R No.1326/Ch-36/NCR/KNL-806

Dated:15/01/2015

Subject: Creation/augmentation of transmission infrastructure at HVPNL end to facilitate the feeding of 33 kV substations identified to be augmented and /or created by UHBVNL for the financial year 2017-18 in respect of Sonapat District.

Subsequent to joint exercise of officers from both the utilities i.e. UHBVNL & HVPNL carried out to identify the locations where augmentation and/or creation of 33 kV substations and corresponding infrastructure at HVPNL end is required mainly to facilitate the running of 11KV Agriculture feeders in two groups; to cater the future load growth and to provide relief to 132/11kV transformers besides improvement in reliability, the following proposals were finalized and placed before Whole Time Directors of HVPNL.

- Keeping above in view Whole Time Directors of HVPNL have accorded their approval on following works:

Sr. No.	Description	Code
1	Allocation of one 33 kV outgoing bay at 132 kV substation Murthal to feed the new proposed 33 kV substation Devru (12.5 MVA) in FY 2017-18. The 33 kV bay will be spared after shifting of 33 kV S\Stn. Tajpur to upcoming 132 kV S\Stn. Tajpur.	-
2	Augmentation of 132 kV substation Murthal from 1x 20/25 + 1x40/50 MVA, 132/33 kV to 2x40/50 MVA, 132/33 kV transformers in FY-2017-18.	1A2758*
3	Creation of one 33 kV outgoing bay at 132 kV substation Gannaur to feed the new proposed 33 kV substation Udesipur (10 MVA) in FY 2017-18.	3B2759*
4	Augmentation of 132 kV substation Gannaur from 1x 20/25+1x40/50 MVA, 132/33 kV to 2x40/50 MVA, 132/33 kV transformers in FY-2017-18.	1A2760*
5	Augmentation at 132 kV substation Rai from 2x 20/25 132/33 kV + 16/20 MVA, 132/11 kV transformers to (1x 20/25MVA MVA + 1x40/50 MVA), 132/33 kV + 16/20 MVA, 132/11 kV transformers in year 2017-18.	1A2761*

ACC/2  
3  
2111



6	<p>To augment the entire existing 0.2 sq. inch ACSR conductor of the section 220 kV Rai - 132 kV Rai S/C line with HTLS conductor having capacity of 600 Amp capacity matching with the implementation of approval conveyed vide CE/Planning, HVPNL, Panchkula office memo no. R-826/Ch-7/NCR/KNL-407 dated 24.05.2011.</p> <p>Note: The connectivity of existing 132 kV Rai and HSIIDC Rai will be 220 kV Rai - 132 kV Rai - 132 kV HSIIDC Rai - Sonapat after implementation of approval conveyed vide CE/Planning, HVPNL, Panchkula office memo no. R-826/Ch-7/NCR/KNL-407 dated 24.05.2011.</p>	1E2762*
7	Augmentation at 132 kV substation Begga from 1x 20/25+1x40/50 MVA, 132/33 kV to 2x40/50 MVA, 132/33 kV transformers in FY 2017-18.	1A2763*
8	Stringing of 2 <sup>nd</sup> Ckt. of 132 kV Samalkha - Begga Line with 0.4 Sq <sup>in</sup> Inch ACSR conductor in FY 2017-18.	1L2764*
9	Creation of 132 kV bay at 132 kV S\Stn. Begga and 220 kV S\stn. Samalkha to accommodate the 132 kV 2 <sup>nd</sup> Ckt. of Begga- Samalkha in FY 2017-18.	1B2765*
10	Augmentation at 132 kV substation Khawera from 2x 20/25 MVA, 132/33 kV to 1x 20/25 MVA + 1x40/50 MVA, 132/33 kV transformer in FY 2017-18.	1A2766*
11	Creation of one 33 kV outgoing bay at upcoming 132 kV substation Khawera to feed the new proposed 33 kV substation Deepalpur (12.5 MVA) in FY 2017-18.	3B2767*
12	<p>Augmentation at 132 kV substation Kharkhoda from 2x 20/25 MVA, 132/33 kV to 1x 20/25 MVA + 1x40/50 132/33 kV transformer in FY 2017-18.</p> <p>Note: The strengthening of feeding arrangement of 132 kV substation Kharkhoda will be addressed in the under consideration proposal for creation of 220 kV S\Stn., Nonand (Rohtak).</p>	1A2768*
13	Creation of three 33 kV outgoing bay at 132 kV substation Mundlana (two bays in 2015-16 and one bay in 2017-18) to feed the new proposed 33 kV substation Barota in year 2015-16, accommodate shifting of 33 kV substation Khanpur from 132 kV substation Gchana to Mudlana in year 2015-16 and creation of 33 kV substation Mehmudpur (10 MVA) in FY 2017-18.	3B2769*
14	<p>Augmentation of 132 kV substation Bhanderi from 1x40/50 MVA, 132/33 kV to 1x40/50 MVA +1x20/25 MVA, 132/33 kV transformers in FY 2017-18.</p> <p>Note: 20/25 MVA, 132/33 kV transformer spared from the system to be utilized.</p>	1A2770*



15	Augmentation of 220 kV substation Mohana from 2x100 MVA, 220/132 kV +1x 100 MVA, 220/33 kV transformers to 2 x100 MVA, 220/132 kV +2 x 100 MVA, 220/33 kV transformers in FY 2017-18.	2A2771*
16	Creation of one 33 kV outgoing bay at 220 kV substation Mohana to feed the load of new proposed 33 kV substation Juan (10 MVA) in FY 2017-18.	3B2772*
17	Allocation of one 33 kV outgoing bay at 220 kV substation Sector-6 Sonepat to feed the load of new proposed 33 kV substation Sector-6 Sonepat (12.5 MVA) in FY 2017-18.	
18	Allocation of one 33 kV outgoing bay at upcoming 220 kV substation HSIIDC Rai to feed the load of new proposed 33 kV substation Jagdishpur (12.5 MVA) in FY 2017-18.	
19	To concur creation of 33 kV substation Devru (12.5 MVA) by UHBVNL, augmentation of 33 kV Substation Sugar Mill from 1x8 +1x10 to 1x10, + 1x 12.5 MVA & 33 kV Substation Engg. College Murthal from 1x8 to 2x8 MVA being fed from 132 kV substation Murthal in FY 2017-18.	
20	To concur creation of 33 kV substation Udesipur (10 MVA) by UHBVNL, augmentation of 33 kV Substation Sardhana from 13 to 20 MVA, 33 kV Substation Kheri Gujjar from 10 to 20 MVA & 33 kV Substation Shekhpura from 10 to 20 MVA being fed from 132 kV substation Ganaur in FY 2017-18.	
21	To concur augmentation of 33 kV Substation Rai from 10 to 22.5 MVA being fed from 132 kV substation Rai by UHBVNL in FY 2017-18.	
22	To concur augmentation of 33 kV Substation Umedgarh from 13 to 20 MVA, 33 kV Substation Kheri Begga from 18 to 20 MVA & 33 kV Substation Gannaur from 10 to 20 MVA being fed from 132 kV substation Begga.	
23	To concur augmentation of 33 kV Substation Hassanpur being fed from 132 kV substation Tajpur from 10 to 22.5 MVA by UHBVNL in FY 2017-18.	
24	To concur creation of 33 kV substation Deepalpur (12.5 MVA) to be fed from 132 kV substation Khwera and augmentation of 33 kV Substations at Khwera from 18 to 20 MVA & 33 kV Substation Jakholi from 10 to 22.5 MVA being fed from 132 kV substation Khwera by UHBVNL in FY 2017-18.	
25	To concur augmentation of 33 kV Substation Sector-23 being fed from 132 kV substation Harsana from 12.5 to 25 MVA by UHBVNL in FY 2017-18.	



26	To concur creation of new 33 kV substation Barota (10 MVA) to be fed from 132 kV substation Mundlana in FY 2015-2016, to provide relief at 132 kV substation Gohana at 11 kV level.	
27	To concur augmentation of 33 kV Substation Ferozpur Bangar from 18 to 20 MVA & 33 kV Substation Sohti from 10 to 22.5 MVA being fed from 132 kV substation Kharkhoda by UHBVNL in FY 2017-18.	
28	To concur creation of 33 kV substation Mehmudpur (10 MVA) to be fed from 132 kV substation Mundlana by UHBVNL in FY 2017-18.	
29	To concur augmentation of 33 kV substation Kathura from 14.3 to 16 MVA being fed from new 132 kV substation Bhanderi by UHBVNL in FY 2017-18.	
30	To concur augmentation of 33 kV Substation Jind Road Gohana to be fed from 132 kV substation Gohana 10 to 22.5 MVA in FY 2017-18 after shifting of 33 kV substation Khanpur from 132 kV substation Gohana to 132 kV substation Mudlana.	
31	To concur augmentation of 33 kV Substation Sargathal from 10 to 20 MVA and 33 kV substation Sikanderpur Majra from 18 to 22.5 MVA being fed from 220 kV substation Mohana in FY 2017-2018.	
32	To concur augmentation of 33 kV Substation Sector-7 from 12.5 to 25 MVA, 33 kV substation Sector-13 from 20 to 25 MVA and 33 kV substation Sector-15 from 20 to 25 MVA by UHBVNL in FY 2017-18 and also creation of new 33 kV substation Sector-6 Sonapat (12.5 MVA) by UHBVNL in FY 2017-18. All these substations to be fed from under construction 220 kV substation Sector-6, Sonapat	
33	To concur augmentation of 33 kV Substation Safiabab from 12.5 to 25 MVA and 33 kV substation Nahra from 10 to 25 MVA by UHBVNL in FY 2017-18 and also creation of new 33 kV substation Jagdishpur (12.5 MVA) by UHBVNL in FY 2017-18. All these substations to be fed from under construction 220 kV substation HSIIDC Rai.	
34	To concur augmentation of 33 kV Substation Sersa from 12.5 to 25 MVA to be fed from under construction 220 kV substation RGEN Rai, Sonapat.	
35	Creation of new 132 kV Tajpur -- Begga S/C line of 0.4 sq. inch ACSR conductor on D/C tower to provide alternate connectivity and reliability of the system in FY 2015-2016.	1L2773*
36	Creation of one 132 kV line bay at each 132 kV Substation Tajpur and 132 kV Substation Begga to accommodate the new 132 kV Tajpur - Begga S/C line in FY 2015-2016.	1B2774*



37

To include the works above in the list of works after ensuring financial tie-up and HERC approval

This issues with the approval of Whole Time Directors of HVPNL at NP-46 in File No. NCR/KNL-806.

*[Signature]*  
Chief Engineer/Planning,  
HVPNL, Panchkula.

CC to:

1. Chief Engineer/TS, HVPNL, Panchkula
2. Chief General Manager/Op. UHBVNL Rohtak.
3. Chief Engineer/MM, HVPNL, Panchkula.
4. Controller Finance, HVPNL, Panchkula.
5. Superintending Engineer/TS, HVPNL, Karnal.
6. Superintending Engineer/Design, HVPNL, Panchkula.
7. Superintending Engineer/ Civil Design, HVPNL, Panchkula.
8. Superintending Engineer/ Planning, HVPNL, Panchkula.
9. Superintending Engineer/ Operation, UHBVNL, Sonapat.
10. Superintending Engineer/NCR Planning, HVPNL, Gurgaon. The original File No. NCR/KNL-806 containing the above case is returned herewith for information & necessary action.
11. Superintending Engineer/Area Planning, HVPNL, Panchkula
12. Deputy Secretary /Projects HVPNL Panchkula.
13. XEN/System Study, HVPNL, Panchkula.
14. XEN/Planning, HVPNL, Panchkula.
15. XEN/TS, HVPNL, Panipat.
16. Sr. P.S. to M.D., HVPNL, Panchkula, for information of MD, HVPNL Panchkula.
17. Sr. P.S. to M.D., UHBVNL, Panchkula, for information of MD, UHBVNL Panchkula.
18. Sr. P.S. to Director/ Project, HVPNL, Panchkula, for information of Director/Project, HVPNL Panchkula.
19. Sr. P.S. to Director/ Tech., HVPNL, Panchkula, for information of Director/Tech., HVPNL Panchkula.
20. Sr. P.S. to Director/ Projects, UHBVNL, Panchkula, for information of Director/Projects, UHBVNL Panchkula.
21. Sr. P.S. to Director/ Operation, UHBVNL, Panchkula, for information of Director/Operation, UHBVNL, Panchkula.
22. Company Secretary, HVPNL, Panchkula.
23. Under Secretary/ Meeting, HVPNL, Panchkula.
24. List of Works (File No.304/K-166)

*[Signature]*  
SE/MM-1  
SE/MM-2  
SE/SR/Planning  
SR/Cont. Fin.

*[Signature]*  
16/1/15

*[Signature]*  
22/1/15

D No. 359

Dated 20/1/15

By [Signature]