

वन विभाग हरियाणा  
कार्यालय:- उप वन संरक्षक, यमुनानगर  
दूरभाष 01732-237821

क्रमांक: 1024

दिनांक: 11/08/2021

सेवा मे,

मुख्य वन संरक्षक उत्तरी परिमण्डल  
अम्बाला शहर।

विषय:-

Diversion Of 0.089 Ha. of Forest Land for construction of 02 No. New 66 KV Towers for new 33 KV Rampur-Chhouli line emanating from 220 KV Sub Station Rampur Kamboj at Crossing of SOM River under forest division and Distt. Yamunanagar Haryana.  
Online Proposal No. FP/HR/TRANS/119706/2021

उपरोक्त विषय के सम्बन्ध में आपको सूचित किया जाता है SDO Const. S/Division UHBVN Yamuna Nagar द्वारा for construction of 02 No. New 66 KV Towers for new 33 KV Rampur-Chhouli line emanating from 220 KV Sub Station Rampur Kamboj at Crossing of SOM River जिला यमुनानगर में प्रस्ताव ऑनलाईन करके अनुमति के लिए इस कार्यालय को भेजा गया है। यूजर एजेंसी द्वारा इस वन मण्डल का 0.089 है० वन भूमि का उपयोग गैर वानिकी कार्यों के लिए किया जाएगा। इस प्रस्ताव में यूजर एजेंसी से प्रतिपूर्ति पौधारोपण की राशि 222629/-रूपये Soil and Moisture Conservation Charges 66789/- रूपये तथा Net Present Value की राशि 78943/-रूपये इस प्रकार कुल राशि 368361/रूपये प्राप्त किये जाएंगे। यूजर एजेंसी द्वारा वन संरक्षण अधिनियम 1980 की उलंघना नहीं की गई है।

अतः यूजर एजेंसी द्वारा वन संरक्षण अधिनियम 1980 के तहत दिये गए प्रपत्रो, साईट प्लान, निरिक्षण रिपोर्ट, प्रतिपूर्ति पौधारोपण, स्कीम व मानचित्र इत्यादि की प्रतियां पत्र के साथ सलंग्न आगामी आवश्यक कार्यवाही हेतु प्रेषित है।

सलंग्न/ उपरोक्त

  
उप वन संरक्षक  
यमुनानगर। 4

## CHECK-LIST

OF

### DOCUMENTS/INFORMATION REQUIRED FOR PROPOSAL FOR DIVERSION OF FOREST LAND FOR NON FORESTRY USE UNDER FOREST (CONSERVATION) ACT, 1980

#### FOR STAGE-I APPROVALS

#### I Documents/Information Required for All Proposals

S.No.	Name of the Document (s)	Provided or Not	If not Provided Why?	Page Number
1	Check-list of the project proposal	Yes	—	1-7
2	Demand letter of the project authority/ applicant, if submitted.	Yes	—	8
3	Main application form from Part-I to V as prescribed in the Rules under the FCA with all its columns duly filled up and signed by the competent authority with date, place and official seal. All the information in <b>Part-I of Form-A</b> including item-wise breakup of the forest area required, must be given in the form itself by expanding the columns	Yes	—	9-15
4	Detailed note on the project. It must include the information regarding the number of villages and number of persons to be benefited from the project including employment generation.	Yes	—	16
5	Map of the project site/forest area required clearly showing forest boundaries and adjoining areas with their land use in distinct colours in 1:50000 or any suitable scale on original Survey of India topo sheet. If the area is very small, in addition to above, an index map may be submitted showing forest boundaries and a location map on a larger scale with land use of the area required duly signed by DFO/CF concerned.	Yes	—	16
6	Layout plan of project site approved by competent authority. In case of linear diversion of forest land, linear map or a diagrammatic map of the project site should be enclosed.	Yes	—	17-18

7	Statement showing the details of forest area involved i.e. Survey No. /Coupe No. /Compartment No., etc., and item-wise breakup of the forest area proposed for diversion duly signed by DFO (in the prescribed format).	Yes	-	19
8	Statement showing the details of non-forest area involved in the proposal (in the prescribed format).	Yes	-	20
9	Certificate from the Collector/Deputy Commissioner that no alternative suitable non-forest land is available for the project in question.	-	-	-
10	Justification for locating the project in forest area to be submitted by User Agency and countersigned by DFO.	Yes	-	21
11	Certificate for minimum use of forest land to be submitted by the User Agency, giving details of area and trees involved in the alternatives examined and reasons for their rejection duly countersigned by DFO (in the prescribed format).	Yes	-	22
12	Undertaking by the User Agency to bear the cost of compensatory afforestation duly counter signed by the DFO (in the prescribed format).	Yes	-	23
13	Undertaking by the User Agency to pay the Net Present Value (NPV) of the forest land involved duly countersigned by DFO (in the prescribed format).	Yes	-	24
	Undertaking by the User Agency to pay the Additional Net Present Value (NPV), if any, of the forest land involved duly countersigned by DFO (in the prescribed format) as decided at a later date as per the decision of the Supreme Court.	-	-	-
14	A certificate from the competent authority in the State in the prescribed (vide MoEF letter No. 11-9/98-FC (pt.) dated 5 <sup>th</sup> July 2013) format that all forest rights under the Forest Rights Act, 2006 have been settled in respect of the forest area proposed for diversion, wherever applicable.  In case, the process for settlement of rights under FRA has not been initiated, grant of stage-I approval under the FCA to the proposal will be considered only if a certificate from the competent authority concerned, clearly stating that the process for settlement of rights under the FRA has not been initiated along with evidences	-	-	-

	supporting that settlement of rights under the FRA will be initiated and completed before the final approval, is enclosed with the proposal (vide F. No. 11 179/2012-FC Dated: December 20, 2013).	-	-	-
15	Species-wise and girth class wise enumeration list and abstract of trees standing on the forest area in question neatly typed or computerized and duly signed by DFO.	-	-	-
16	Site inspection report of the forest area involved in the project proposal by the DFO concerned or higher level forest officer in prescribed format (in the prescribed format).	Yes	-	25
17	Details of non-forest land/degraded forest area identified for compensatory afforestation viz. Survey No./ Compartment No./Khasra No./Khatoni No., Village, Tehsil, District, etc., along with map in appropriate scale showing the boundaries of adjoining forest areas with their use in distinct colours (in the prescribed format).	Yes	-	26-28
18	Detailed scheme for compensatory afforestation on identified non-forest area/degraded forest area, as the case may be, at prevalent wage rates duly signed by DFO and countersigned by the CF concerned. The CA scheme must include all the technical details, details of work schedule, total financial outlay and proposed monitoring mechanism (in the prescribed format).	Yes	-	29-35
19	Certificate from the DFO, that non-forest land selected for compensatory afforestation is in a compact block and contiguous to forest area or in close proximity of forest area and suitable from the management and protection point of view.	-	-	-
20	Suitability certificate from the Divisional Forest Officer that the land identified for compensatory afforestation is suitable for raising plantation (in the prescribed format).	Yes	-	36
21	Certificate from the Chief Secretary regarding non-availability of non forest land in the state for raising compensatory afforestation, wherever applicable. This certificate will be based on the certificate signed by the DFO and Deputy Commissioner/Collector of the district concerned about non-availability of such non-forest land.			
22	In case of proposal which requires entry/exit through Protected Forest strips along			

	roads/railway lines/canals, the following information/documents must be given:			
	a) No Objection Certificate (NOC) of the land owning agency i.e. NHAI/PWD, Railways or Canal/ Irrigation Department	yes	-	37 38
	b) Change of Land Use certificate from Town and Country Planning/ any other competent authority.			
23	For the projects involving forest land for construction of buildings/right of way for buildings, the built up area, details of DG sets to be installed, and raw materials to be used (in case of industries) should be clearly mentioned.	-	-	-
24	Status of clearance under Environment (Protection) Act, 1986, wherever required.	-	-	-
25	NOC of the State Pollution Control Board for establishment of the project, wherever required.	-	-	-
26	Detailed scheme for rehabilitation of project affected persons, wherever required.	-	-	-
27	Detailed Catchment Area Treatment Plan, wherever required. The CAT Plan should be prepared on the basis of actual survey of area and its classification in various categories requiring different engineering/ afforestation and other treatments in phased manner.	-	-	-
28	Detailed Reclamation Plan, wherever required. It should be realistic exhaustive and complete in all respects along with relevant maps in distinct colours. It should also include the details of back fillings, afforestation and execution of such works, wherever required.	-	-	-
29	Cost benefit analysis as per the guidelines issued under forest (Conservation) Act, 1980 in prescribed format, wherever required.	-	-	-
30	Any other information/documents necessary for giving clarifications on the project, may be specified and attached.	yes	-	38-56

II Documents/Information Required for Proposals for Roads, Railway Lines, Canals and Transmission Lines			
31	The following information/documents must be given :- a) Length and width of Road/Railway line/ Canal/ Transmission line passing through forest and non forest area. b) In case of expansion of already		yes
		-	-

	existing road/railway line/canal, linear plan clearly showing in distinct colours the already existing road (from beginning to end), the width of the proposed road/railway line/canal to be expanded, and the remaining width of the Protect Forest strip, if any, which would be left after expansion.	-	-	-
	c) In case of transmission line, the following details may also be given : i) Number of towers to be erected both in forest and non forest area. ii) Width of the right of way for transmission line.	Yes	-	17

III Documents/Information Required for Proposals for Hydro Electric Projects				
32	The following information/document must be given :- a) Component-wise total area requirement b) Copy of Memorandum of Understanding c) Copy of Techno-Economic Clearance d) Copy of Implementation Agreement e) NOC from Irrigation and Public Health Department f) NOC from Fisheries Department g) Authorization to the applicant by the Project Authority	-	-	-

IV Documents/Information Required for Proposals for Mining				
33	The following information/documents must be given :-  <b>I New Proposals</b>  a) Certificate from the competent authority like District Mining Officer/Geologist, regarding non-availability of the same mineral/ore in the nearly non-forest area. b) Estimated reserve of each mineral/ore in the forest area and non-forest area. c) Total area demanded and extent of forest area involved in the proposed	-	-	-

- mining lease shown in distinct colours on relevant maps
- d) Proposed period of mining lease,
  - e) Minimum distance of the proposed site from Wildlife Sanctuary and National Park.
  - f) A copy of the mining plan duly approved by IBM, Nagpur.
  - g) Phased reclamation plan of the project area.
  - h) Copy of lease deed/agreement entered into with the district authorities.
  - i) The details of Safety Zone Area for the mining as per para 4.7 of the guidelines. The undertaking from the project authority to bear the cost of fencing of safety zone area and afforestation over one and half times of degraded forest area. The details of safety zone to be ascertained by the competent authority viz. Indian Bureau of Mines/ Deptt., of Geology and Mining of the State Government.

**II) In case of renewal of Mining Lease**

- a) A brief profile of the lessee/ company should be submitted giving details of their existing mining leases in the State with their capacity of production, the present level of average annual production, location of these pits and the status of reclamation of forest land that are exhausted of minerals.
- b) Complete details of existing or proposed leases in that particular forest area with their present status should be indicated on the Survey of India Topo-sheet in appropriate scale
- c) The State Government shall forward the complete proposal to the RO/MoEF at least six months prior to the expiry of the existing lease. In case of any delay, a details report elaborating the causes of delay shall be forwarded along with the

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	proposal.			
	d) A resolution of Gram Panchayat/ Local Body of the area endorsing the proposal that the project is in the interest of the people living in and around the proposed forest land.	-	-	-

V Documents/Information Required for Proposals for Retail Outlets of an Oil Companies				
34	The following information/ documents must be given :-			
	a) Copy of letter of intent issued by the oil Company.			
	b) Site selection certificate as per Govt. of India guidelines. The DFO should certify the distance between two retail outlets on either side of the outlet in question.	-	-	-
	c) Layout plan showing dimensions of proposed approach road for entry and exit with clear area calculations.		-	-
	d) Map clearly indicating the directions of the road leading from....to.....	-	-	-
	e) The area calculations for the curves should invariably be given in the layout plan.			
	f) NOC from NHAI/PWD/Urban or local body	yes	-	37
	g) NOC from Town and Country Planning/ local body			
	h) Certificate by User Agency to the effect that no High Tension line passing above the proposed site duly countersigned by DFO	-	-	-
	i) A Certificate by User Agency to the effect that no LP Gas godown is located near the proposed site duly countersigned by DFO			

Date.....

Place.....

Seal.....

11/08  
 Dy. Conservator of Forests  
 Yamunanagar Forest Division  
 Yamunanagar Office

Full Title of the Project: Diversion of 0.089 Hect. of forest land for Construction of 02 No. new 66 KV Towers for new 33 KV Rampur-Chhouli line emanating from 220 KV Sub Station Rampur Kamboj at Crossing of SOM River & Strengthening of existing 33 KV Rampur-Thimo and 33 KV Rampur-Ledi lines emanating from 220 KV Sub-Station, Rampur Kamboj at Low Lying/Water Logging/Forest Area alongwith complete civil works on turkey basis under 'OP' Circle, Yamuna Nagar under Forest Division & District, Yamuna Nagar, Haryana.

### AUTHORIZATION LETTER

It is certified that Er. Satish Goyat, SDO Construction, UHBVN, Yamuna Nagar has been authorized for online submission and monitoring for Forest Clearance, proposal for the following works :-

"Construction of 02 No. new 66 KV Towers for new 33 KV Rampur-Chhouli line emanating from 220 KV Sub Station Rampur Kamboj at Crossing of SOM River in Distt. Yamuna Nagar".

He is also authorized for enquiry made by concern office regarding forest clearance proposals in his jurisdiction.

XEN, Const. Divn.  
H.B.V.N. KARNAL

UHBVN, Yamuna Nagar

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File No. : \_\_\_\_\_

Date of Proposal

Appendix

(See Rule 6)  
FORM-'A'

Form for seeking prior approval under section 2 of the proposals by the State Government and other authorities

PART-I  
(To be filled by user agency)

1. Project details:

i)	Short narrative of the proposal and project/scheme for which the forest land is required -	Construction of 02 No. new 66 KV Towers for new 33 KV Rampur-Chhouli line emanating from 220 KV Sub Station Rampur Kamboj at Crossing of SOM River alongwith complete civil works on turkey basis under 'OP' Circle, Yamuna Nagar under Forest Division & District, Yamuna Nagar, Haryana
ii)	Map showing the required forest land, boundary of adjoining forest on a 1:50,000 scale map.	Map Attached
iii)	Cost of the project	1.80 Crore
iv)	Justification for locating the project in forest area	No other alternate
v)	Cost benefit analysis (to be attached)	-
vi)	Employment likely to be generated	

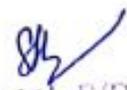
2. Purpose - wise break-up of the total land required - 0.089 Ha.

3. Details of displacement of people due to the project, if any:

(i) Number of families - NIL  
(ii) Number of Scheduled Castes/Scheduled Tribe families - NIL  
(iii) Rehabilitation plan (To be enclosed) - NIL

4. Whether clearance under the Environment (Protection) Act, 1986 is required? (Yes/No) - NO

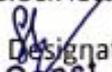
Contd.....2.....

  
S.D.O. Const S/Divn.  
UHSVN, Yamuna Nagar

- 5. Undertaking to bear the cost of raising and maintenance of compensatory afforestation and/or penal compensatory afforestation as well as cost for protection and regeneration of Safety Zone, etc. as per the scheme prepared by the state Government (undertaking to be enclosed). - **ATTACHED**
- 6. Details of Certificates/documents enclosed as required under the instructions. - **Form A, Map, Site Plan, Check List S.N. 8,11,12,13 etc.**

Signature

(Name in Block letters)

  
 Designation  
**S.D.O. Const. S/Divn.**  
 Address (of User)  
**UHBVN, Yamuna Nagar**

Date:

Place: Yamuna Nagar

State serial No. of proposal \_\_\_\_\_

*(To be filled up by the Nodal Officer with date of receipt)*

**Full Title of the project:** Diversion Of 0.089 Ha. of Forest Land for construction of 02 No. New 66 KV Towers for new 33 KV Rampur-Chhouli line emanating from 220 KV Sub Station Rampur Kamboj at Crossing of SOM River under forest division and Distt. Yamunanagar Haryana.

Online Proposal No. FP/HR/TRANS/119706/2021  
Date of Proposal :

## PART -II

(To be filled by the concerned Divisional Forests Officer)

- |   |                     |
|---|---------------------|
| <b>1. Location of the project /Scheme</b>   |                     |
| (i) State/Union Territory   | <b>Haryana</b>      |
| (ii) District   | <b>Yamuna Nagar</b> |
| (iii) Forest Division   | <b>Yamuna Nagar</b> |
| (iv) Area of Forest land proposed for diversion (in Ha)   | <b>0.089 Ha</b>     |
| (v) Legal status of the forest  | <b>PF</b>           |
| (vi) Density of vegetation  | <b>Nil</b>          |
| (vii) Species-wise (scientific names) and diameter class-wise enumeration of trees (to be enclosed. In case of irrigation/hydel projects enumeration at FRL, FRL-2 meter & FRL4 meter also be enclosed)             | <b>No</b>           |
| (viii) Brief note on vulnerability of the forest area to erosion.   | <b>Nil</b>          |
| (ix) Approximate distance of proposed site for diversion from boundary of forest.   | <b>-</b>            |
| (x) Whether it forms a part of National park, wildlife Sanctuary, Biosphere Reserve, Tiger Reserve, Elephant corridor etc, (If so, the details of the area and comments of the Chief Wildlife Warden to be annexed) | <b>No.</b>          |
| (xi) Whether any rare/endangered /unique species of flora and fauna found in the area if so details thereof.  | <b>No.</b>          |
| (xii) Whether any protected archaeological /heritage site defense establishment or any other important monument is located in the area. If so, the details thereof with NOC from competent authority, if required.  | <b>No.</b>          |
| <b>2. Whether the requirement of forest land as proposed by the user agency in col. 2 of Part -I is unavoidable and barest minimum for the project. If no, recommended</b>  | <b>Yes</b>          |

3. **area item wise with detail of alternative examined. Whether any work in violation of the Act has been carried out (Yes/No) . If yes, details of the same including period of work done, action taken on erring officials. Whether work in violation is still in progress.** No
4. **Detail of compensatory Afforestation Scheme :-**
- (j) Details of non forest area/degraded forest area identified for compensatory afforestation , its distance from adjoining forest, number of patches size of each patch. Attached
- (ii) Map showing non-forest/degraded forest area identified for compensatory afforestation and adjoining forest boundaries. Attached
- (iii) Details compensatory afforestation scheme including species to be planted, implementing agency, time schedule, cost structure etc. Attached
- (iv) Total financial outlay, for compensatory afforestation Scheme Attached
- (v) Certificates from competent authority regarding suitability of area identified for compensatory afforestation for afforestation and from management point of view. (To be signed by an officer not below the rank of Deputy Conservator of Forests). Yes
5. Site inspection report of the DCF (to be enclosed) especially highlighting facts asked in Col. 7 (xi, xii), 8 and 9 above. Attached
6. Division /District Profile
- (i) Geographical area of the district 1756 Sq. Km
- (ii) Forest Area of the district 22818.30 hac.
- (iii) Total Forest Area diverted since 1980 with number of cases 463 Ha =302 Cases
- (iv) Total Compensatory afforestation stipulated in the district/division wince 1980 on 31/03/2021 2369.232 RKM+226.958 Ha
- a) Forest land including penal compensatory afforestation 2369.232 RKM+226.958 Ha
- b) Non forest land Nil
- (v) Progress of compensatory afforestation as on (date) 31/3/2020 on
- a) Forest land 2369.232 RKM+62.213 Ha
- b) Non-forest land Nil
7. Specific recommendations of the DFO for acceptance or otherwise of the proposal with reasons. Proposal recommended for approval.

Place Yamuna Nagar

Signature  
Name  
Official Seal  
Dy. Conservator of Forests  
Yamuna Nagar, Forest Division,  
Yamunahagar

**Full Title of the project:** Diversion Of 0.089 Ha. of Forest Land for construction of 02 No. New 66 KV Towers for new 33 KV Rampur-Chhouli line emanating from 220 KV Sub Station Rampur Kamboj at Crossing of SOM River under forest division and Distt. Yamunanagar Haryana.

Online Proposal No. FP/HR/TRANS/119706/2021  
Date of Proposal :

### PART -III

( to be filed by the concerned Conservator of Forests)

- |    |   |        |
|----|---|--------|
| 14 | Whether site, where the forest land involved in the Case is located has been inspected by concerned Conservator of Forests). If yes, the date of inspection & observation made in form of inspection note to be enclosed. | Yes/No |
| 15 | Whether the concerned Conservator of Forests agree with the information given in Part B and the recommendations of Deputy Conservator of Forests.   |        |
| 16 | Specific recommendation of concerned Conservator of Forests for acceptance or otherwise of the proposal with detailed reasons.  |        |

Date  
Place

Signature  
Name  
Official Seal

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Online Proposal No. FP/HR/TRANS/119706/2021  
Date of Proposal :

### PART –IV

(To be filled in by the Nodal Officer or Principal Chief Conservator of Forests or Head of Forest Department )

17. **Detailed opinion and specific recommendation of the State Forest Department for acceptance of otherwise of the proposal with remarks**

(While giving opinion, the adverse comments made by concerned Conservator of Forests or Deputy Conservator of Forests should be categorically reviewed and critically commented upon).

Date  
Place

Signature  
Name & Desigation  
(Offical Seal)

**Full Title of the project:** Diversion Of 0.089 Ha. of Forest Land for construction of 02 No. New 66 KV Towers for new 33 KV Rampur-Chhouli line emanating from 220 KV Sub Station Rampur Kamboj at Crossing of SOM River under forest division and Distt. Yamunanagar Haryana.

Online Proposal No. FP/HR/TRANS/119706/2021  
Date of Proposal :

### PART -V

(To be filled in by the Secretary in charge of Forest Department or by any other authorized officer of the State Government not below the rank of an Under Secretary)

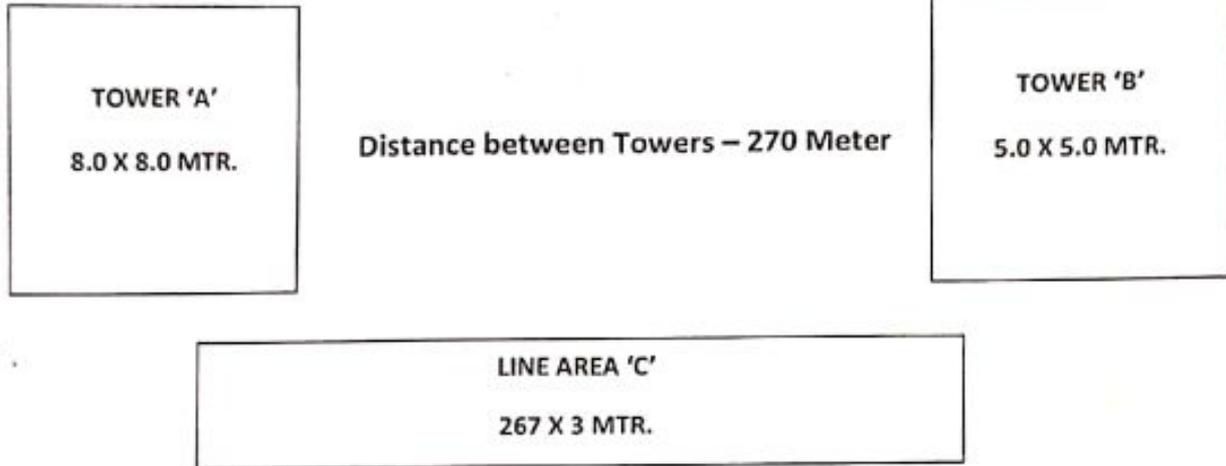
18. Recommendation of the State Government (Adverse comments made by any officer or authority in Part-B or Part-C or Part D above should be specifically commented upon)

Date  
Place

Signature  
Name & Desigation  
(Offical Seal)



**Construction of 02 No. new 66 KV Towers for new 33 KV Rampur-Chhouli line emanating from 220 KV Sub Station Rampur Kamboj at Crossing of SOM River alongwith complete civil works on turkey basis under 'OP' Circle, Yamuna Nagar under Forest Division & District, Yamuna Nagar, Haryana**



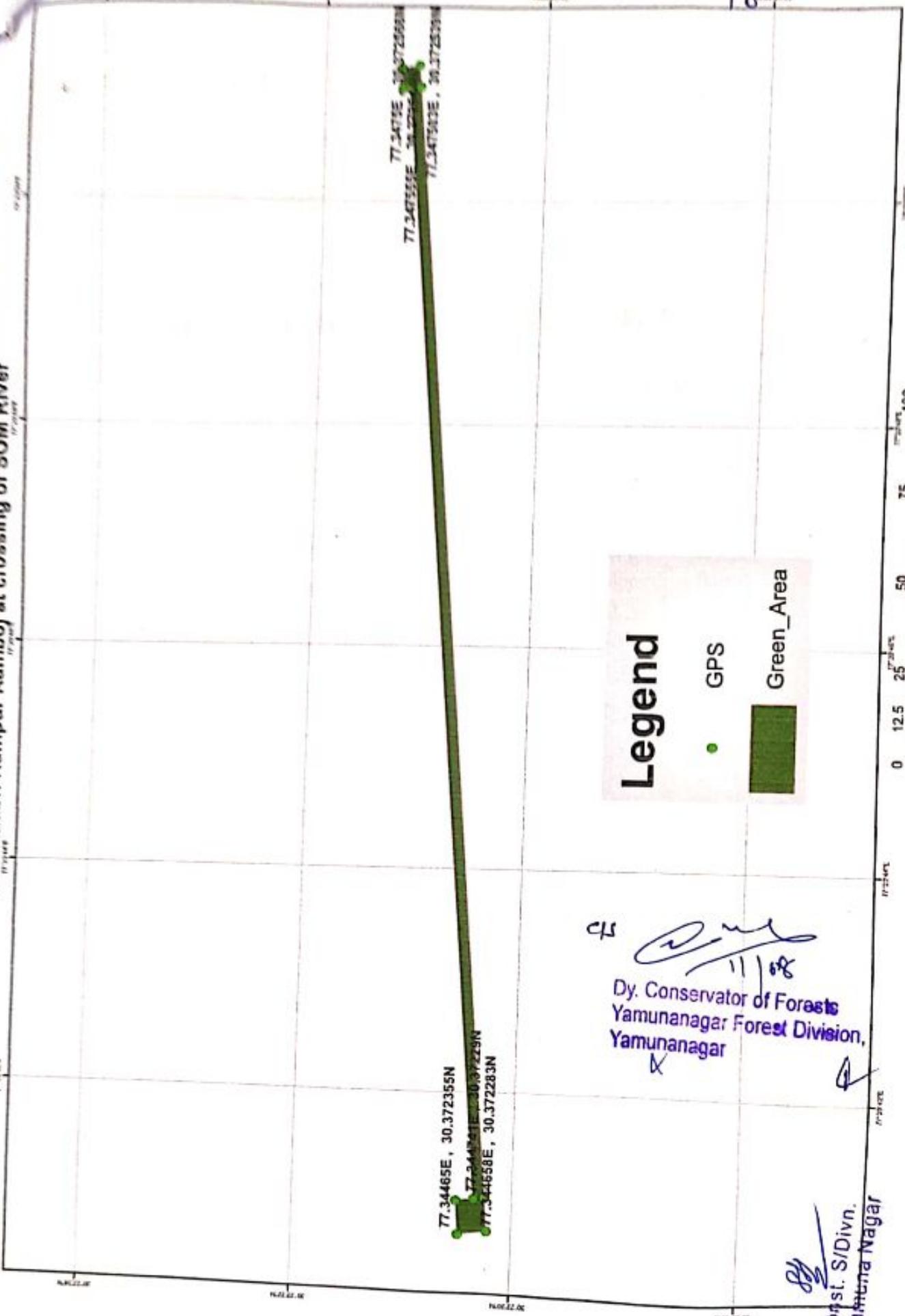
**Area Calculation**

Tower 'A'	-	8.0 Mtr. X 8.0 Mtr.
	-	64.00 Mtr.
Tower 'B'	-	5.0 Mtr. X 5.0 Mtr.
	-	25.00 Mtr.
LINE AREA 'C'	-	267.0 Mtr. X 3.0 Mtr.
	-	801.00 Mtr.
Total (A+B+C)	-	64.00 + 25.00 + 801.00
	-	890.00 Mtr.
Area in Hect.	-	0.089

cs  
  
 11/08  
 Dy. Conservator of Forests  
 Yamunanagar Forest Division,  
 Yamunanagar

Construction of 02 No. new 66 KV Towers for new 33 KV Rampur- Chhouli line emanating from 220 KV Sub Station Rampur Kamboj at crossing of SOM River

18



**Legend**

- GPS
- Green\_Area

CS  
*[Signature]*  
11/1/08  
Dy. Conservator of Forests  
Yamunanagar Forest Division,  
Yamunanagar

*[Signature]*  
S.D.O. Const. S/Divn.  
UHBVN, Yamuna Nagar

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Online Proposal No. FP/HR/TRANS/119706/2021

Date of Proposal :

## CHECK LIST SERIAL NUMBER-07

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

Sr. No.	District	Division	Range/ Tehsil/ Village	Khasra/Survey or Compartment Number or Km. Stone	Forest Area proposed for Diversion (Ha)	Legal Status of Forest Area	Remarks
1.	2.	3.	4.	5.	6.	7.	8.
1.	Yamuna Nagar	Yamuna Nagar	Sadhuora	Diversion Of 0.089 Ha. of Forest Land for construction of 02 No. New 66 KV Towers for new 33 KV Rampur- Chhouli line emanating from 220 KV Sub Station Rampur Kamboj at Crossing of SOM River	0.089	PF	-

Place.....

Date.....

  
11/08  
Dy. Conservator of Forests  
Yamuna Nagar Forest Division,  
Yamunanagar Forest Division,  
Office Seal  
Yamunanagar

Full Title of the Project: Diversion of 0.089 Hect. of forest land for Construction of 02 No. new 66 KV Towers for new 33 KV Rampur-Chhouli line emanating from 220 KV Sub Station Rampur Kamboj at Crossing of SOM River & Strengthening of existing 33 KV Rampur-Thimo and 33 KV Rampur-Ledi lines emanating from 220 KV Sub-Station, Rampur Kamboj at Low Lying/Water Logging/Forest Area alongwith complete civil works on turkey basis under 'OP' Circle, Yamuna Nagar under Forest Division & District, Yamuna Nagar, Haryana.

### CHECK LIST SERIAL NUMBER-08

#### STATEMENT SHOWING DETAILS OF NON-FOREST AREA INVOLVED IN THE PROPOSAL

S.N	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	Yamuna Nagar	Yamuna Nagar	Chhachhrauli	Construction of 02 No. new 66 KV Towers for new 33 KV Rampur-Chhouli line emanating from 220 KV Sub Station Rampur Kamboj at Crossing of SOM River	0.00	-	-

Date :  
Place : Yamuna Nagar

Signature of User Agency  
S.D.O. Const. S/Divn.  
Office Seal  
11HBVN, Yamuna Nagar

Forwarded by :-

-11

  
Dy. Conservator of Forests  
Yamuna Nagar Forest Division,  
Yamuna Nagar



Full Title of the Project: Diversion of 0.089 Hect. of forest land for Construction of 02 No. new 66 KV Towers for new 33 KV Rampur-Chhouli line emanating from 220 KV Sub Station Rampur Kamboj at Crossing of SOM River & Strengthening of existing 33 KV Rampur-Thimo and 33 KV Rampur-Ledi lines emanating from 220 KV Sub-Station, Rampur Kamboj at Low Lying/Water Logging/Forest Area alongwith complete civil works on turkey basis under 'OP' Circle, Yamuna Nagar under Forest Division & District, Yamuna Nagar, Haryana.

### JUSTIFICATION

UHBVN is Constructing 02 No. new 66 KV Towers for new 33 KV Rampur-Chhouli line emanating from 220 KV Sub Station Rampur Kamboj at Crossing of SOM River in Distt. Yamuna Nagar. The construction of tower is having much importance for strengthening the power system in Yamuna Nagar District and nearby area. The proposed route is most feasible and minimum forest land 0.009 Ha. has been used during the construction of tower.

XEN,

  
**XEN Const. Divn.**  
**UHBVN, KARNAL**  
Yamuna Nagar

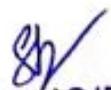
Full Title of the Project: Diversion of 0.089 Hect. of forest land for Construction of 02 No. new 66 KV Towers for new 33 KV Rampur-Chhouli line emanating from 220 KV Sub Station Rampur Kamboj at Crossing of SOM River & Strengthening of existing 33 KV Rampur-Thimo and 33 KV Rampur-Ledi lines emanating from 220 KV Sub-Station, Rampur Kamboj at Low Lying/Water Logging/Forest Area alongwith complete civil works on turkey basis under 'OP' Circle, Yamuna Nagar under Forest Division & District, Yamuna Nagar, Haryana.

**CHECK LIST SERIAL NUMBER-11**

**CERTIFICATE FOR MINIMUM USE OF FOREST LAND**

This is to certify that the forest area involved in the proposal is unavoidable and barest minimum i.e. **0.089 ha** which is proposed diversion.

Date :  
Place : Yamuna Nagar

  
Signature of User Asst. Divn.  
S.D.O. Const. Asst. Divn.  
Office Seal, Yamuna Nagar  
UHEVN, Yamuna Nagar

Countersigned :-

  
11/08  
Div. Conserv. Forest Officer  
Yamuna Nagar Forest Division,  
Yamuna Nagar 

Full Title of the Project: Diversion of 0.089 Hect. of forest land for Construction of 02 No. new 66 KV Towers for new 33 KV Rampur-Chhouli line emanating from 220 KV Sub Station Rampur Kamboj at Crossing of SOM River & Strengthening of existing 33 KV Rampur-Thimo and 33 KV Rampur-Ledi lines emanating from 220 KV Sub-Station, Rampur Kamboj at Low Lying/Water Logging/Forest Area alongwith complete civil works on turkey basis under 'OP' Circle, Yamuna Nagar under Forest Division & District, Yamuna Nagar, Haryana.

**CHECK LIST SERIAL NUMBER-12**

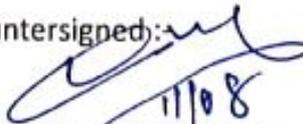
**UNDERTAKING FOR PAYMENT OF COST OF COMPENSATORY AFFORESTATION**

I/We Er. Satish Goyat, SDO Construction, UHBVN, Yamuna Nagar hereby, undertake to pay the entire amount for compensatory afforestation in lieu of the forest area diverted for Construction of 02 No. new 66 KV Towers for new 33 KV Rampur-Chhouli line emanating from 220 KV Sub Station Rampur Kamboj at Crossing of SOM River alongwith complete civil works on turkey basis under 'OP' Circle, Yamuna Nagar under Forest Division & District, Yamuna Nagar, Haryana.

As per the prevailing wage rates at the time of undertaking the plantation activities.

Date :  
Place : Yamuna Nagar

  
Signature of User Approved,  
S.D.O. Const. & Dn.,  
UHBVN, Yamuna Nagar

Countersigned:   
11/08  
Dy. Conservator of Forests  
Yamuna Nagar Forest Division,  
Yamuna Nagar

Full Title of the Project: Diversion of 0.089 Hect. of forest land for Construction of 02 No. new 66 KV Towers for new 33 KV Rampur-Chhouli line emanating from 220 KV Sub Station Rampur Kamboj at Crossing of SOM River & Strengthening of existing 33 KV Rampur-Thimo and 33 KV Rampur-Ledi lines emanating from 220 KV Sub-Station, Rampur Kamboj at Low Lying/Water Logging/Forest Area alongwith complete civil works on turkey basis under 'OP' Circle, Yamuna Nagar under Forest Division & District, Yamuna Nagar, Haryana.

**CHECK LIST SERIAL NUMBER-13**

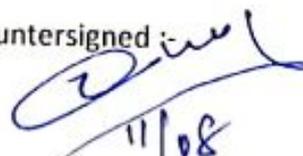
**UNDERTAKING FOR PAYMENT OF NET PRESENT VALUE OF FOREST AREA**

It is to certify that I/We SDO Construction, UHBVN, Yamuna Nagar have applied for diversion of 0.089 ha. of forest area for the purpose for Construction of 02 No. new 66 KV Towers for new 33 KV Rampur-Chhouli line emanating from 220 KV Sub Station Rampur Kamboj at Crossing of SOM River alongwith complete civil works on turkey basis under 'OP' Circle, Yamuna Nagar under Forest Division & District, Yamuna Nagar, Haryana hereby undertake to pay the additional amount of net present value (NPV) if so determined, as per final decision of Hon'ble Supreme Court of India.

Date :  
Place : Yamuna Nagar

  
Signature of User Agency  
S.D.O. Const. S.D. Divn.  
Office Seal  
UHBVN, Yamuna Nagar

Countersigned:

  
11/08  
Dy. Forest Officer  
Yamuna Nagar Forest Division,  
Yamuna Nagar

**Full Title of the project:** Diversion Of 0.089 Ha. of Forest Land for construction of 02 No. New 66 KV Towers for new 33 KV Rampur-Chhouli line emanating from 220 KV Sub Station Rampur Kamboj at Crossing of SOM River under forest division and Distt. Yamunanagar Haryana.

Online Proposal No. FP/HR/TRANS/119706/2021  
Date of Proposal :

### CHECK LIST SERIAL NUMBER :- 16

#### SITE INSPECTION REPORT NOT BELOW THE RANK OF DCF (For the Forest land to be diverted under FCA)

A proposal has been received by this office from S.D.O. Const. S/Divn. UHBVN Yamuna Nagar for diversion (under FCA-1980) of **0.089 ha.** of forest land for non-forestry purpose. The subject envisages the use of **Forest Land for construction of 02 No. New 66 KV Towers for new 33 KV Rampur-Chhouli line emanating from 220 KV Sub Station Rampur Kamboj at Crossing of SOM River under forest division and Distt. Yamunanagar Haryana.**

The site inspection of the land involved in the proposal has been done by me on dated **27-04-2021**

On inspection of the site, it is found that the land required by the user agency is a Forest measuring **0.089 ha.**

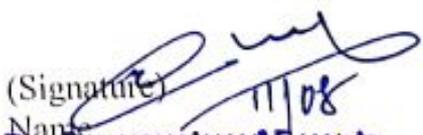
The requirement of forest land as proposed by the user agency in Col.2 of part-I is unavoidable and is barest minimum required for the project.

Whether any rare/endangered /unique species of flora and fauna found in the area. If so, the details thereof.

Whether any protected archaeological/heritage site/defense establishment or any other important monument is located in th1e area. If so, the details thereof with NOC from competent authority, if required.

- (a) **The user agency has not violated the provisions of Forest (Conservation) Act, 1980 and no work has been started without proper sanction.**
- (b) It has been found that the user agency has violated the Forest (Conservation) Act, 1980 provisions. A detailed report as per para 1.9 of Chapter 1, Part C of Handbook of Forest (Conservation) Act, 1980 is attached.  
Specific recommendation for acceptance or otherwise of the proposal.

Place Ynr  
Date:.....

(Signature)   
Name  
DY. Conservator of Forests  
Designation  
Yamunanagar Forest Division,  
Office Seal.....  
Yamunanagar

**Full Title of the project:** Diversion Of 0.089 Ha. of Forest Land for construction of 02 No. New 66 KV Towers for new 33 KV Rampur-Chhouli line emanating from 220 KV Sub Station Rampur Kamboj at Crossing of SOM River under forest division and Distt. Yamunanagar Haryana.

Online Proposal No. FP/HR/TRANS/119706/2021  
Date of Proposal :

## CHECK LIST SERIAL NUMBER :- 17

### LOCATION MAP

Location Map of Non-Forest/Degraded Forest Area identified for Compensatory Afforestation in lieu of proposal for diversion of 0.089 Ha. of Forest Land for construction of 02 No. New 66 KV Towers for new 33 KV Rampur-Chhouli line emanating from 220 KV Sub Station Rampur Kamboj at Crossing of SOM River under forest division and Distt. Yamunanagar Haryana.

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Village Sandhai PF	Tehsil Bilaspur
District: YNR	Forest Division:-Yamuna Nagar Forest
Range: Sadhoura	
Block No./Compartment No./Survey No.:-	Area:- 0.178 hac. plants/178

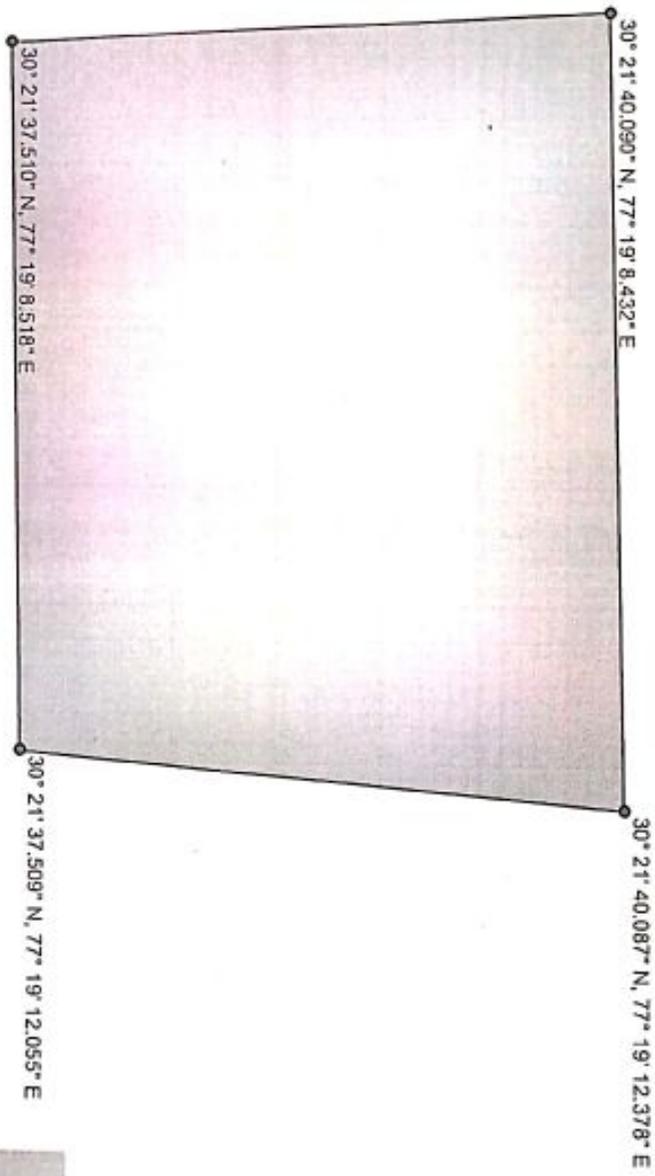
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e.g.:-

  
11/08  
Dy. Conservator of Forests  
Yamunanagar Forest Division  
Yamunanagar

27

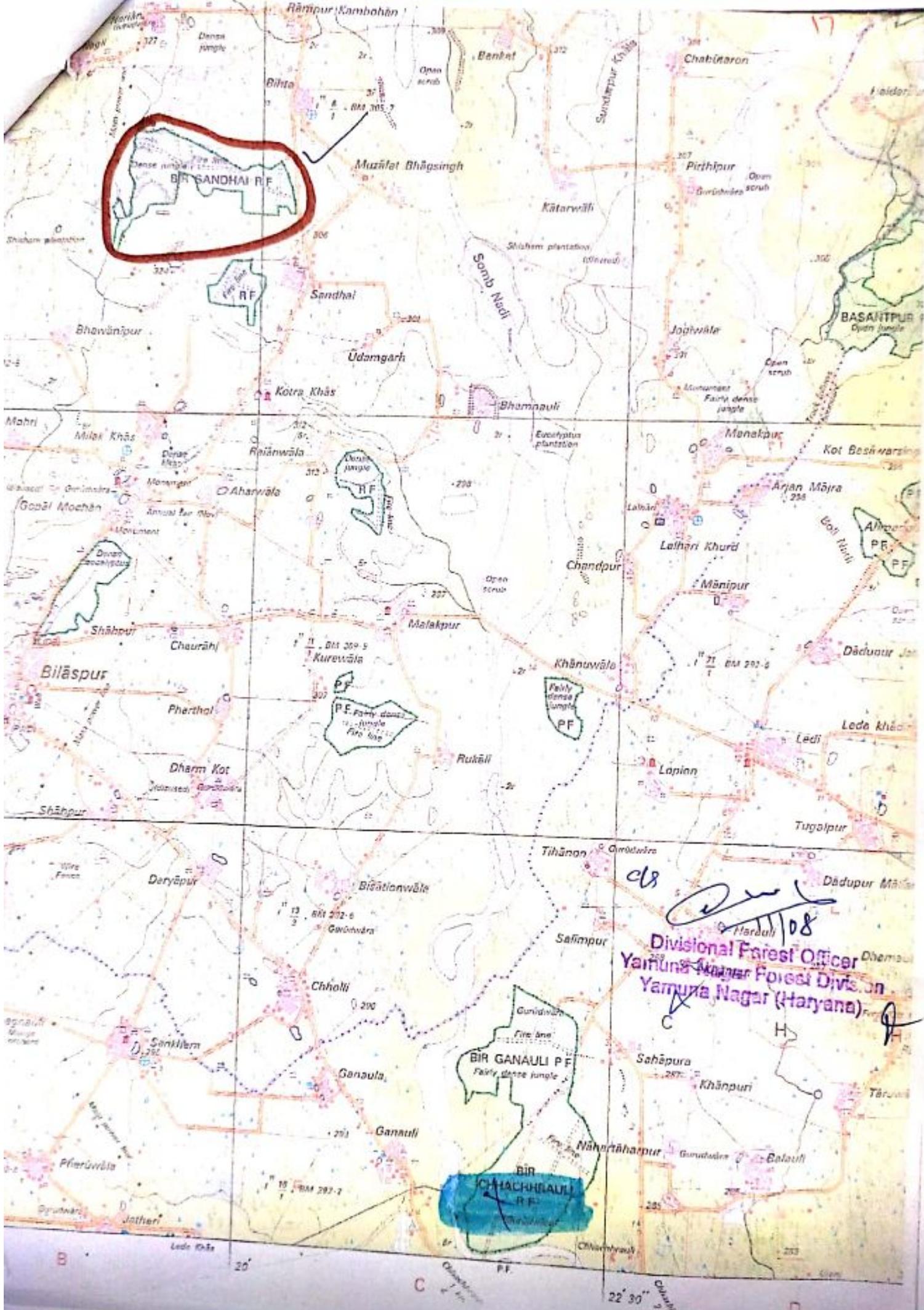
# CA Site :- Sandhai PF



**Legend**

- GPS Points
- CA Site

*[Signature]*  
 11/08  
 Dy. Conservator of Forests  
 Yamunanagar Forest Division,  
 Yamunanagar



clg  
 108  
 Divisional Forest Officer  
 Yamuna Nagar Forest Division  
 Yamuna Nagar (Haryana)

**Full Title of the project:** Diversion Of 0.089 Ha. of Forest Land for construction of 02 No. New 66 KV Towers for new 33 KV Rampur-Chhouli line emanating from 220 KV Sub Station Rampur Kamboj at Crossing of SOM River under forest division and Distt. Yamunanagar Haryana.

Online Proposal No. FP/HR/TRANS/119706/2021

Date of Proposal :

**CHECK LIST SERIAL NUMBER:-18**  
**"SCHEME FOR C.A."**

**Name of the Forest/Reach to be diverted**  
**Forest Area =0.089 hac.**

**Details of degraded forest land/non-forest land where C.A. is to be carried out.**

Division:Yamunanagar District : Yamunanagar

Tehsil: Bilaspur

C.A. Site name : Sandhai PF

Area to be Afforested :- 0.178 hac.

- a) Whether the site selected for Compensatory Afforestation is a Land bank (Yes or No): **No**
- b) If the CA site is other than the land bank, reasons be given:-  
In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary :-
- i) Soil type: **Sandy to Sandy Loam**
- ii) Topography a. Hilly/Undulating/Plain:**Plain**
- b. Slope:-Steep/Medium/Gentle: **Gentle**
- iii) Whether the area is bearing any root stock of vegetation:- **No**
- Plantation Model:-**

**Copy of the approved Compensatory Afforestation Scheme/Model showing component wise physical and financial break up is as under ;**

**1. Schedule of Plantation Programme:-**

**Detail of year wise break-up of requirements of funds is as under:-**

The plantation cost is calculated for Tall Plants norms at 4m x 2.5m spacing at the wage rate of Rs. 347.08 per day as under:-

<b>Cost Statement Of Plantation (Tall Plants) model under Compensatory Afforestation</b>					
No. of Plants per ha.=500 TP , spacing=4m row to row					
Sr. No.	Item of Work	Unit	Qty.	Rate/Unit	Amount
<b>1st year expenditure as wage rate Rs. 347.08 per day</b>					
1	Jungle clearance.	Ha	0.5	5204.05	2602.03
2	Kana/ lantana Cutting.	Ha	0.25	8677	2169.25
3	Dag bailing and alignment.	RK	2	242.86	485.72

4	Digging of pits 500x0.6mx0.6mx0.6m.	M m3	108	147.45	15924.6
5	Purchase of good Soil for filling in pits 500x0.6mx0.6mx0.4m.	m3	72	400	28800.00
6	Carriage of Soil by hired tractor upto 5 Km including Loading , unloading .	m3	72	474.92	34194.24
7	Raising of plants in nursery P.Bag Size (30cmx45cm) : 500+20% extra.	No.	600	97	58200
8	Loading/ Unloading of plants in tractor/cart	No.	600	2.61	1566
9	Carriage of plants.	No.	600	21.79	13074
10	Planting of seedling including 10% replacement.	No.	550	13.89	7639.5
11	Fencing of Plants with six stick including cutting carriage of fencing material.	No.	500	52.06	26030
12	Cost of fertilizer, manures, insecticides etc including application.	No.	500	20	10000
13	Irrigation eight times.	No.	400 0	5.21	20840
14	Purchase of water	No.	400 0	1.27	5080
15	First weeding & hoeing.	No.	500	6.93	3465
16	Subsequent weeding & hoeing six times	No.	300 0	5.21	15630
17	Grass cutting from one meter wide strip 5 Times in 500 meter length in per Ha.	m2	250 0	3.47	8677
	<b>Total</b>				<b>254377.3</b> <b>4</b>
18	Added EPF @ 13% and ESI @ 3.25%of wages component				26524.73
19	Added contractor profit @ 10% of total				25437.73
	<b>Net Total</b>				<b>306339.8</b> <b>0</b>

2nd year maintainance with 20% Replacement @ Wage rate Rs.382 per day anticipating 10% increase.

1	Raising of plants in nursery (30cmx45cm) : 100+20% extra	No.	120	100	12000
2	Re-opening of pits 100x0.6mx0.6mx0.5m	m3	18	76.97	1385.46
3	Loading and unloading of plants	No.	100	2.89	289
4	Carriage of plants	No.	100	24.17	2417
5	Planting of plants	No.	100	15.4	1540
6	Fencing of Plants with six stick including cutting carriage of fencing material.	No.	100	57.31	5731
7	Irrigation five times	No.	250 0	5.78	14450

8	Purchase of water	No.	250 0	1.4	3500
9	Sub. Weeding and hoeing five times	No.	250 0	5.78	14450
10	Grass cutting from one meter wide strip 4 Times in 500 meter length in per Ha.	m2	200 0	3.81	7620
11	Repair of Fencing	No.	400	7.70	3080
12	Cost of fertilizer, manures, insecticides etc including application.	No.	500	10	5000
	<b>Total</b>				<b>71462.46</b>
13	Added EPF @ 13% and ESI @ 3.25% of wages component				9791.67
14	Added contractor profit @ 10% of total				7146.25
	<b>Net Total</b>				<b>88400.38</b>
<b>3rd year maintainance 10% Replacement @ wage rate Rs. 420 per day</b>					
1	Raising of plants in nursery (30cmx45cm) : 50+20% extra		60	110	6600
2	Re-opening of pits 50x0.6mx0.6mx0.5m		9	67.9	611.1
3	Loading and unloading of plants		50	2.55	127.5
4	Carriage of plants		50	21.32	1066
5	Planting of plants		50	13.59	679.5
6	Fencing of Plants with six stick including cutting carriage of fencing material.	No.	100	63.04	6304
7	Irrigation four times	No.	200 0	5.1	10200
8	Purchase of water	No.	200 0	1.54	3080
9	Weeding and hoeing four time	No.	200 0	5.1	10200
10	Pruning of 1/3 Lower portion of Plants	No.	400	6.37	2548
11	Grass cutting from one meter wide strip 2 Times in 500 meter length in per Ha.	m2	100 0	4.19	4190
12	Cost of fertilizer, manures, insecticides etc including application.	No.	500	10	5000
	<b>Total</b>				<b>50606.1</b>
13	Added EPF @ 13% and ESI @ 3.25% of wages component				6716.55
14	Added contractor profit @ 10% of total				5060.61
	<b>Net Total</b>				<b>62383.26</b>
<b>4th year maintainance 10% Replacement @ wage rate Rs.462 per day</b>					
1	Raising of plants in nursery		60	110	6600
2	Re-opening of pits 50x0.6mx0.6mx0.5m		5.5	98.36	540.98
3	Loading and unloading of plants		50	3.69	184.5

4	Carriage of plants		50	30.88	1544
5	Planting of plants		50	19.69	984.5
6	Fencing of Plants with six stick including cutting carriage of fencing material.	No.	50	69.34	3467
7	Irrigation two times	No.	100 0	7.39	7390
8	Purchase of water	No.	100 0	1.7	1700
9	Weeding and hoeing two time	No.	100 0	7.39	7390
10	Pruning of 1/3 Lower portion of Plants	No.	400	7.37	2948
11	Grass cutting from one meter wide strip 2 Times in 500 meter length in per Ha.	m2	100 0	4.60	4600
12	Cost of fertilizer, manures, insecticides etc including application.	No.	500	10	5000
	<b>Total</b>				<b>42348.98</b>
14	Added EPF @ 13% and ESI @ 3.25%of wages component				5512.08
15	Added contractor profit @ 10% of total				4234.9
	<b>Net Total</b>				<b>52095.96</b>
<b>5th year maintainance at wage rate Rs.508 per day</b>					
1	Irrigation Two times	No.	100 0	8.11	8110
2	Purchase of water	No.	100 0	1.87	1870
3	Pruning of 1/3 Lower portion of Plants	No.	400	8.10	3240
4	Grass cutting from one meter wide strip 1 Times in 500 meter length in per Ha.	m2	500	5.06	2530
	<b>Total</b>				<b>15750</b>
5	Added EPF @ 13% and ESI @ 3.25%of wages component				937.63
6	Added contractor profit @ 10% of total				1575
	<b>Net Total</b>				<b>18262.63</b>
<b>6th year maintainance at wage rate Rs.559 per day</b>					
1	Misc. Expenditure on Cleaning, Pruning and thinning	L/S			6500
	<b>Total</b>				<b>6500</b>
2	Added EPF @ 13% and ESI @ 3.25%of wages component				1056.25
3	Added contractor profit @ 10% of total				650
	<b>Net Total</b>				<b>8206.25</b>
<b>7th year maintainance at wage rate Rs. 615 per day</b>					
1	Misc. Expenditure on Cleaning, Pruning and thinning	L/S			6500
	<b>Total</b>				<b>6500</b>

2	Added EPF @ 13% and ESI @ 3.25% of wages component			1056.25
3	Added contractor profit @ 10% of total			650
	<b>Net Total</b>			<b>8206.25</b>
<b>8th year maintainance at wage rate Rs. 677 per day</b>				
1	Misc. Expenditure on Cleaning, Pruning and thinning	L/S		6500
	<b>Total</b>			<b>6500</b>
2	Added EPF @ 13% and ESI @ 3.25% of wages component			1056.25
3	Added contractor profit @ 10% of total			650
	<b>Net Total</b>			<b>8206.25</b>
<b>9th year maintainance at wage rate Rs.745 per day</b>				
1	Misc. Expenditure on Cleaning, Pruning and thinning	L/S		6500
	<b>Total</b>			<b>6500</b>
2	Added EPF @ 13% and ESI @ 3.25% of wages component			1056.25
3	Added contractor profit @ 10% of total			650
	<b>Net Total</b>			<b>8206.25</b>
<b>10th year maintainance at wage rate Rs. 820 per day</b>				
1	Misc. Expenditure on Cleaning, Pruning and thinning	L/S		6500
	<b>Total</b>			<b>6500</b>
2	Added EPF @ 13% and ESI @ 3.25% of wages component			1056.25
3	Added contractor profit @ 10% of total			650
	<b>Net Total</b>			<b>8206.25</b>
<b>Abstract of cost norms</b>				
	<b>Year of Plantation</b>	<b>Cost(Rs.)</b>	<b>Cost per plant(Rs.)</b>	
1	1st year plantation	306339.80	612.68	
2	2nd year maintainance	88400.38	176.80	
3	3rd year maintainance	62383.26	124.77	
4	4th year maintainance	52095.96	104.19	
5	5th year maintainance	18262.63	36.53	
6	6th year maintainance	8206.25	16.41	
7	7th year maintainance	8206.25	16.41	
8	8th year maintainance	8206.25	16.41	
9	9th year maintainance	8206.25	16.41	
10	10th year maintainance	8206.25	16.41	
	<b>Total</b>	<b>568513.28</b>	<b>1137.03</b>	

Area to be Diverted : 0.089 ha.

No. of Trees to be felled : 0

No. of Plants to be damaged : 0

Area to be planted under normal CA : 0.178 (Double the area to be Diverted)

Plants to be Planted under normal CA : 178 Nos.

Additional C.A. in lieu of plants to be damaged (Double the plants to be damaged)= 0

Area to planted under Addl. CA : Nil (@ 1000 plants per ha.)

Total No. of plants to be planted (CA+Addl.CA) : 178

Total Area to be planted (CA+Addl. CA) :0.178 ha. Or say 178 Plants

(Succeeding years maintenance has been computed taking into account the anticipated increase in wage rates @ 10% per year.)

S.No	DESCRIPTION		RATE	T.Amt. (Rs.)	
A	Compensatory Afforestation Charges		No. of Plant		
	(1)	1 <sup>st</sup> Year cost of afforestation	178	612.68	109057.04
	(2)	2 <sup>nd</sup> Year maintenance	178	176.80	31470.40
	(3)	3 <sup>rd</sup> Year maintenance	178	124.77	22209.06
	(4)	4 <sup>th</sup> Year maintenance	178	104.19	18545.82
	(5)	5 <sup>th</sup> Year maintenance	178	36.53	6502.34
	(6)	6 <sup>th</sup> Year maintenance	178	16.41	2920.98
	(7)	7 <sup>th</sup> Year maintenance	178	16.41	2920.98
	(8)	8 <sup>th</sup> Year maintenance	178	16.41	2920.98
	(9)	9 <sup>th</sup> Year maintenance	178	16.41	2920.98
	(10)	10 <sup>th</sup> Year maintenance	178	16.41	2920.98
	Total Charges				202390
	Supervisory / Overhead / Miscellaneous Charges			10% on the CA charges	20239
Total (A) C.A. Charge				222629	
B	Additional Compensatory Afforestation Charges				
	(1)	1 <sup>st</sup> Year cost of afforestation	0	612.68	0
	(2)	2 <sup>nd</sup> Year maintenance	0	176.80	0
	(3)	3 <sup>rd</sup> Year maintenance	0	124.77	0
	(4)	4 <sup>th</sup> Year maintenance	0	104.19	0
	(5)	5 <sup>th</sup> Year maintenance	0	36.53	0
	(6)	6 <sup>th</sup> Year maintenance	0	16.41	0
	(7)	7 <sup>th</sup> Year maintenance	0	16.41	0
	(8)	8 <sup>th</sup> Year maintenance	0	16.41	0
	(9)	9 <sup>th</sup> Year maintenance	0	16.41	0
	(10)	10 <sup>th</sup> Year maintenance	0	16.41	0
Total (B) Addl. C.A. Charges				0	
C	Penal C.A.		-	0	

Catchment Area Treatment			
D	Soil and Moisture Conservation charges	30% of the Total CA	66789
	<b>Total (D)</b>		66789
E	Safety Zone (if required)		
F	<b>Additional Charges (if required)</b>	<b>Qty</b>	<b>Rate</b>
	<b>Total (F)</b>		<b>0</b>
G	Net Present Value of Forest Land to be diverted	Rs. 887000/- per ha.	78943
H	Felling charges	Vol. M <sup>3</sup> 0.00	Rs. 1400 /- per m <sup>3</sup> 0
I	Other Charges		
	<b>Grand Total (A+B+C+D+E+F+G+H+I) to be deposited in CAMPA Fund</b>		<b>368361</b>

2. **Technical details:-**

Technical details of Compensatory Afforestation Scheme are as follows:-

- General Details:- Plantation will be done with six stick fencing.
- Spacing:- 4 × 2.5 meter
- Species:- Neem, Pahari Papri, Shisham, Jamun, Gullar, Arjun
- Plantation Method :- Tall Plants Plantation
- Soil and Moisture Conservation Works
- Protection (Fencing, Watch man, People's Participation etc.):- **Watchman**
- Proposed Monitoring Mechanism:- (M&E),
- Any Other information:- Nil.

Place:

Dated :

  
11/08  
Dy. Conservator of Forests  
Yamunahagar Forest Division,  
Yamunahagar.

Note : CF (T) should countersign this C.A. scheme if area to be afforested is more than 5 hectare.

**Full Title of the project:** Diversion Of 0.089 Ha. of Forest Land for construction of 02 No. New 66 KV Towers for new 33 KV Rampur-Chhouli line emanating from 220 KV Sub Station Rampur Kamboj at Crossing of SOM River under forest division and Distt. Yamunanagar Haryana.

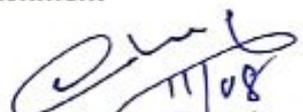
Online Proposal No. FP/HR/TRANS/119706/2021  
Date of Proposal :

CHECK LIST SERIAL NUMBER :-20

"LAND SUITABILITY CERTIFICATE BY DFO CONCERNED"  
CA/Addl. CA

This is to certify that **0.178 hac. land** of Sandhai PF District Ynr identified for Compensatory Afforestation and Addl. Compensatory Afforestation is suitable for plantation from management point of view and is free from all sorts of encumbrances and encroachment

Place YNR.  
Date.....

  
Dy. Conservator of Forests  
Yamuna Nagar Forest Division,  
Yamunanagar  
Office Seal \_\_\_\_\_



HARYANA PWD (B&R)  
EXECUTIVE ENGINEER,  
PROVINCIAL DIVISION PWD B&R,  
NARAINGARH-147003 (AMBALA)  
Ph. No. (01714) 284050  
Email ID: pwd-eepr-naraingarh@haryana.gov.in

The SDO Const. Sub Division,  
JHBMN Yamuna Nagar

Memo No. 42/CSDB/NR Date 20/02/2021

NOC for Rampur Kamboj to Bankat Vill. Area Kachha Rasta  
for erection of 3 No. Towers in Som River Area.

Memo No. 42/CSDB/NR - 249 Dated. 17.02.2021

In this connection it is submitted that the subject cited area  
Kamboj to Bankat Vill. Area Kachha Rasta is not relates to PWD B&R.  
This area relates to Rampur Kamboj Panchayat.

Pls. refer for your kind information and further necessary action.

Executive Engineer  
Prov. Div. Hr PWD B&R Br.  
Naraingarh

249

UHBVN

TO  
10 47  
17/04/19  
17/04/19  
Subject

**UTTAR HARYANA BIJLI VITRAN NIGAM LIMITED**

(A Government of Haryana Undertaking)  
Registered Office, C-16 Vidyut Sadan Sector 6, Panchkula Haryana  
Office of CE/ PD&C, UHBVN, Panchkula  
Ph. No. 0172- 2570431, 3019145, 146 & Fax 0172- 2570469  
E-mail - [cepd@uhbvn.org.in](mailto:cepd@uhbvn.org.in)

M/s Flair Electric Projects Pvt. Ltd.  
12B, Transport Center, Rohtak Road Panjab Bagh,  
New Delhi-110035  
Tel No. +91-11-47034400

E-mail [mangan.rajkumar@gmail.com](mailto:mangan.rajkumar@gmail.com)

Memo No. Ch<sup>25</sup>/ CE PDC/ SE PD/ XEN DD-III B- 581/ 2019  
Dated - 09.06.2019

Subject: Variation Order for supply of material for construction of 02 No. new 60 kV Towers for new 33 kV Rampur-Chhoul line emanating from 220 kV Sub-station Rampur Kamboj at crossing of SOM River alongwith complete civil works on turnkey basis under 'Op' Circle, Yamunanagar in geographical area of UHBVN.

Ref: LOI- cum- Work Order for supply of material for construction of new 66 kV Towers for strengthening of existing 33 kV Rampur-Thimo and 33 kV Rampur-Ledi lines emanating from 220 kV Sub-station Rampur Kamboj at Low Lying/ Water Logging/ Forest Area alongwith complete civil works on turnkey basis under 'Op' Circle, Yamunanagar in geographical area of UHBVN - LOI- cum- Work Order No. PDC- 825/ CE PDC/ SE PD/ XEN DD- III B- 581/ 2019 dated 20.05.2019.

This is with ref. to the above referred LOI- cum- Work Order placed upon your firm by this office for the subject cited matter

In view of the provisions contained in the above referred work order as per Clause No. 15 'Quantity Variation', this office is pleased to inform you about the quantity variation (Supply Part) for work of construction of 02 No. new 60 kV Towers for new 33 kV Rampur-Chhoul line emanating from 220 kV Sub station Rampur Kamboj at crossing of Som River alongwith complete civil works on turnkey basis with following revised value of work order -

Description of the work order	Original value for Supply & Erection of Material (all inclusive)	Revised value for Supply & Erection of Material (all inclusive)	Reference
Work Order No. PDC- 825/ CE PDC/ SE PD/ XEN DD- III B- 581/ 2019 dated 20.05.2019	1,08,93,722.12	1,85,56,518.70	The cost of supply part is tabulated in Table- A

The schedule of prices is given as under.

Table- A

Supply of material for 60 kV Towers:-

Description of Material	Unit	Qty.	Unit supply price (all inclusive) (in Rs.)	Total cost for supply of material (all inclusive) (in Rs.)
TOWERS Fabrication and supply of tower part with stubs, pins & nuts, stay bolts, U-bolts, nags, etc. etc. etc. of following type of 60 kV line with 100 sq. meters	No	2	225365.03	450730.06
60KV GA type tower	No	0	39527.92	0.00
60KV GA type tower	No	2	70140.35	140280.70
60KV GA type tower	No	0	107311.20	0.00
60KV GA type tower	No	0	28861.37	0.00

Di...  
The above is forwarded to  
D.O., Const S/ Jn. UHBVN  
for information & to  
for necessary action Please DA

1	66kV MC type tower	No	0	14734.15	
2	66kV HT type tower	No	0	102719.35	
3	66kV HT type tower	No	0	102719.35	
4	66kV HT type tower	No	0	102719.35	
5	66kV HT type tower	No	0	102719.35	
6	66kV HT type tower	No	0	102719.35	
7	66kV HT type tower	No	0	102719.35	
8	66kV HT type tower	No	0	102719.35	
9	66kV HT type tower	No	0	102719.35	
10	66kV HT type tower	No	0	102719.35	
11	66kV HT type tower	No	0	102719.35	
12	66kV HT type tower	No	0	102719.35	
13	66kV HT type tower	No	0	102719.35	
14	66kV HT type tower	No	0	102719.35	
15	66kV HT type tower	No	0	102719.35	
16	66kV HT type tower	No	0	102719.35	
17	66kV HT type tower	No	0	102719.35	
18	66kV HT type tower	No	0	102719.35	
19	66kV HT type tower	No	0	102719.35	
20	66kV HT type tower	No	0	102719.35	
21	66kV HT type tower	No	0	102719.35	
22	66kV HT type tower	No	0	102719.35	
23	66kV HT type tower	No	0	102719.35	
24	66kV HT type tower	No	0	102719.35	
25	66kV HT type tower	No	0	102719.35	
26	66kV HT type tower	No	0	102719.35	
27	66kV HT type tower	No	0	102719.35	
28	66kV HT type tower	No	0	102719.35	
29	66kV HT type tower	No	0	102719.35	
30	66kV HT type tower	No	0	102719.35	
31	66kV HT type tower	No	0	102719.35	
32	66kV HT type tower	No	0	102719.35	
33	66kV HT type tower	No	0	102719.35	
34	66kV HT type tower	No	0	102719.35	
35	66kV HT type tower	No	0	102719.35	
36	66kV HT type tower	No	0	102719.35	
37	66kV HT type tower	No	0	102719.35	
38	66kV HT type tower	No	0	102719.35	
39	66kV HT type tower	No	0	102719.35	
40	66kV HT type tower	No	0	102719.35	
41	66kV HT type tower	No	0	102719.35	
42	66kV HT type tower	No	0	102719.35	
43	66kV HT type tower	No	0	102719.35	
44	66kV HT type tower	No	0	102719.35	
45	66kV HT type tower	No	0	102719.35	
46	66kV HT type tower	No	0	102719.35	
47	66kV HT type tower	No	0	102719.35	
48	66kV HT type tower	No	0	102719.35	
49	66kV HT type tower	No	0	102719.35	
50	66kV HT type tower	No	0	102719.35	
51	66kV HT type tower	No	0	102719.35	
52	66kV HT type tower	No	0	102719.35	
53	66kV HT type tower	No	0	102719.35	
54	66kV HT type tower	No	0	102719.35	
55	66kV HT type tower	No	0	102719.35	
56	66kV HT type tower	No	0	102719.35	
57	66kV HT type tower	No	0	102719.35	
58	66kV HT type tower	No	0	102719.35	
59	66kV HT type tower	No	0	102719.35	
60	66kV HT type tower	No	0	102719.35	
61	66kV HT type tower	No	0	102719.35	
62	66kV HT type tower	No	0	102719.35	
63	66kV HT type tower	No	0	102719.35	
64	66kV HT type tower	No	0	102719.35	
65	66kV HT type tower	No	0	102719.35	
66	66kV HT type tower	No	0	102719.35	
67	66kV HT type tower	No	0	102719.35	
68	66kV HT type tower	No	0	102719.35	
69	66kV HT type tower	No	0	102719.35	
70	66kV HT type tower	No	0	102719.35	
71	66kV HT type tower	No	0	102719.35	
72	66kV HT type tower	No	0	102719.35	
73	66kV HT type tower	No	0	102719.35	
74	66kV HT type tower	No	0	102719.35	
75	66kV HT type tower	No	0	102719.35	
76	66kV HT type tower	No	0	102719.35	
77	66kV HT type tower	No	0	102719.35	
78	66kV HT type tower	No	0	102719.35	
79	66kV HT type tower	No	0	102719.35	
80	66kV HT type tower	No	0	102719.35	
81	66kV HT type tower	No	0	102719.35	
82	66kV HT type tower	No	0	102719.35	
83	66kV HT type tower	No	0	102719.35	
84	66kV HT type tower	No	0	102719.35	
85	66kV HT type tower	No	0	102719.35	
86	66kV HT type tower	No	0	102719.35	
87	66kV HT type tower	No	0	102719.35	
88	66kV HT type tower	No	0	102719.35	
89	66kV HT type tower	No	0	102719.35	
90	66kV HT type tower	No	0	102719.35	
91	66kV HT type tower	No	0	102719.35	
92	66kV HT type tower	No	0	102719.35	
93	66kV HT type tower	No	0	102719.35	
94	66kV HT type tower	No	0	102719.35	
95	66kV HT type tower	No	0	102719.35	
96	66kV HT type tower	No	0	102719.35	
97	66kV HT type tower	No	0	102719.35	
98	66kV HT type tower	No	0	102719.35	
99	66kV HT type tower	No	0	102719.35	
100	66kV HT type tower	No	0	102719.35	

**Total**  
**Rs 14,16,483.80**  
 (Rupees Fourteen Lakh Sixteen Thousand Four Hundred Eighty Three & Paise Eighty only)

All terms and conditions of the original work order (Referred above) shall remain unchanged

This may please be read in conjunction with the above related work order already issued to you by this office and quantity variation may please be acknowledged accordingly

Superintending Engineer P&D  
 UHBVN Panchkula

Copy of the above is forwarded to the following for information and necessary action please.  
 1. SPS to Director Tech-I, UHBVN, Panchkula for kind information of the Director please  
 2. CE/ PD&C, UHBVN, Panchkula  
 3. CE Op Circle, UHBVN, Panchkula

Thir Electric Project, Part 1  
 RTGD, OFFICE: Plot 1, OMI Judicial Complex, 5th E, Block Road, Gurupatti-127001

Work Order No.: PCC, Sub-C/PCC, 33 KV, 11 KV, 22 KV, 33 KV, 66 KV, 110 KV, 132 KV, 175 KV, 220 KV, 275 KV, 330 KV, 380 KV, 440 KV, 500 KV, 550 KV, 600 KV, 660 KV, 725 KV, 780 KV, 840 KV, 900 KV, 950 KV, 1000 KV, 1100 KV, 1200 KV, 1300 KV, 1400 KV, 1500 KV, 1600 KV, 1700 KV, 1800 KV, 1900 KV, 2000 KV, 2100 KV, 2200 KV, 2300 KV, 2400 KV, 2500 KV, 2600 KV, 2700 KV, 2800 KV, 2900 KV, 3000 KV, 3100 KV, 3200 KV, 3300 KV, 3400 KV, 3500 KV, 3600 KV, 3700 KV, 3800 KV, 3900 KV, 4000 KV, 4100 KV, 4200 KV, 4300 KV, 4400 KV, 4500 KV, 4600 KV, 4700 KV, 4800 KV, 4900 KV, 5000 KV, 5100 KV, 5200 KV, 5300 KV, 5400 KV, 5500 KV, 5600 KV, 5700 KV, 5800 KV, 5900 KV, 6000 KV, 6100 KV, 6200 KV, 6300 KV, 6400 KV, 6500 KV, 6600 KV, 6700 KV, 6800 KV, 6900 KV, 7000 KV, 7100 KV, 7200 KV, 7300 KV, 7400 KV, 7500 KV, 7600 KV, 7700 KV, 7800 KV, 7900 KV, 8000 KV, 8100 KV, 8200 KV, 8300 KV, 8400 KV, 8500 KV, 8600 KV, 8700 KV, 8800 KV, 8900 KV, 9000 KV, 9100 KV, 9200 KV, 9300 KV, 9400 KV, 9500 KV, 9600 KV, 9700 KV, 9800 KV, 9900 KV, 10000 KV

WO No.	Name of Product/Service	UOM	Work Order - 1 Qty	Rate	Total cost for supply of material	Work Order - 2 Qty	Total qty after amendment	Total (1+2) Amount	Actual qty As per survey on chaults line	Actual qty As per survey of led line	Final Execute qty 1+2	Total (FOOT SURVEY) Amount
A	TOWERS											
1	Manufacture and supply of tower part with stubs, bolts & nuts, step bolts, U bolts, hangers, D-shackle etc. of following type of 66 KV D.C. SSR Design Towers.											
1.1	66 KV "EA" Type Tower	No.	12	24745.33	29694.40	2	14	346134.62	1	12	13	321689.29
	i) +3m extra only	No.	4	4339.28	17357.12	0	4	17357.12	1	4	5	21696.4
	ii) +6m extra only	No.	1	7700.82	7700.82	2	3	23102.46	0	1	1	7700.82
2	66 KV "EB" Type Tower	No.	1	36155.95	36155.95	0	1	36155.95	0	1	1	36155.95
	i) +3m extra only	No.	0	9756.1	0	0	0	0	0	0	0	0
	ii) +6m extra only	No.	0	16508.15	0	0	0	0	0	0	0	0
3	66 KV "EC" Type Tower	No.	1	38134.26	38134.26	0	1	38134.26	0	1	1	38134.26
	i) +3m extra only	No.	1	9386.02	9386.02	0	1	9386.02	0	1	1	9386.02
	ii) +6m extra only	No.	0	17645.58	0	0	0	0	0	0	0	0
4	66 KV "ED" Type Tower	No.	3	51114.58	153343.74	0	3	153343.74	2	3	5	255572.9
	i) +3m extra only	No.	0	11602.77	0	0	0	0	2	0	2	23205.54
	ii) +6m extra only	No.	2	20055.82	40111.64	0	2	40111.64	0	2	2	40111.64
	iii) +9m extra only	No.	0	33452.51	0	0	0	0	0	0	0	0
5	6m only	No.	4	12216.81	48867.24	2	6	73300.86	2	4	6	73300.86
6	4 pole structure on 11 mtr long PCC poles*											
7	Supply of earthing of towers	Set	17	679.09	11544.53	2	19	12902.71	5	17	22	14939.98
	i) Pipe type	Set	0	0	0	0	0	0	0	0	0	0
	ii) Counterpoise type											
3	Supply of following Tower accessories											
	i) Danger Plate	No.	25	81.5	2037.5	6	31	2526.5	7	25	32	2608
	ii) Number Plate	No.	25	81.5	2037.5	6	31	2526.5	7	25	32	2608
	iii) Phase Plate (set of 3)	Set	13	81.5	1059.5	3	16	1304	5	32	37	3015.5
	iv) Circuit Plate (set of 2)	Set	25	81.5	2037.5	6	31	2526.5	5	32	37	3015.5
	v) Bird Guard (set of 3)	Set	24	203.73	4889.52	6	30	6111.9	3	17	20	4074.6
	vi) Anti Climbing Device	Set	17	1086.57	18471.69	6	23	24991.11	3	17	20	21731.4
B	Line Material											
4	Conductor (Wolf ACSR 150mm)	KM	20.69	14535.3	300739.357	1.2	21.89	318177.717	7.06	20.69	22.75	330678.075
5	Earthwire (7/3.15mm)	KM	3.46	3322.36	11495.3656	0.4	3.86	12824.3295	0.673	3.46	4.133	13731.31388
6	Antifog type disc insulators	Set	216	276.86	59801.76	25	241	66723.26	15	340	355	98285.3
	ii) 70 kV Suspension type	Set	468	415.29	194155.72	55	523	217196.67	144	432	576	239207.04
	iii) 95 kV Insulator Type	No.	0	276.86	0	0	0	0	0	0	0	0
7	66 kV Post insulators											
8	Hardware fittings											

*[Handwritten signatures and initials]*

Sl. No.	Description	Unit	77	8106	5000.00	10	82	6310.92	3	78	81	6727.86
1	Single Suspension String suitable for Wolf ACSR 150mm <sup>2</sup>	Set	9	165.16	1480.44	2	11	1215.75	0	9	9	1480.44
2	Single suspension pilot string suitable for Wolf ACSR 150mm <sup>2</sup>	Set	156	179.96	28073.76	19	175	31493	24	94	108	15435.68
3	Double tension string	Set	0	703.53	0	0	0	0	0	0	0	0
4	Conductor & Earth wire Accessories	No.	14	104.31	1460.34	2	16	1668.95	2	14	16	1668.96
5	Mid span Compression joint for conductor	No.	4	11.83	47.32	1	5	59.15	2	4	6	70.98
6	Mid span Compression joint for earthwire	No.	5	27.68	138.4	2	7	193.76	0	5	5	138.4
7	Repair sleeves for conductor	No.	12	47.81	573.72	2	14	669.34	3	17	20	956.2
8	Flexible copper Bond	No.	456	96.44	43976.64	50	506	48758.64	30	270	300	28932
9	Vibration damper for Wolf ACSR	No.	50	56.76	2838	4	54	3065.04	10	54	64	3632.64
10	Vibration damper for earthwire	No.	26	73.89	1921.14	3	29	2142.81	4	17	21	1551.63
11	Earth-wire Tension clamp	No.	12	76.2	914.4	3	15	1143	1	12	13	990.6
12	Earth-wire Suspension Clamp	No.						0				
13	Extra item	No.						0				
14	33 KV pin insulators with pins (polymeric)	No.						0	12	24	36	
15	Tee wall	No.						0				
16	U bolt	No.						0				
17	Structure steel for existing tower	No.						0				
18	ISG clamp for 10/150 mm <sup>2</sup> ACSR Conductor	No.						0	36		36	
19	13 KV cross Arm (4 Pole) 100 x 50 x 6 mm (UPSD mm) (Galvanized)	No.						0	8		8	
20	Channel 75 x 40 x 6 mm - 3350 mm (Galvanized) for earth wire for 4 poles weight 21.919 kg	No.						0	4		4	
21	Belt for 4 Pole 50 x 40 x 6 mm (2010 mm) (Galvanized) weight 9.18 kg	No.						0	16		16	
22	Half clamp weight 1.47kg (Galvanized)	No.						0	40		40	
23	Full clamp weight 2.325 kg (Galvanized)	No.						0	16		16	
24	Stay Set 8' Tong complete with X plate 460 mm of angle 65 x 65 x 6 Elbow & Rod weight 13.80 kg consist of following (a) Rod 22 mm dia 8' long weight 6.224 kg (b) X plate 460 mm of L 65 x 65 x 6 mm weight 5.336 kg (c) Elbow & Nut weight - 2.240 kg	No.						0	15		15	
25	Stay Wire 7/8 SWG (4 mm)	Kg						0	208		208	
26	G.I Strip 25 x 6 mm 9 Mtr. For Earthing weight 10.80 kg (SALT/TATA)	No.						0	8		8	
27	G.I Nuts & Bolts - QM Sizes	Kg						0	100		100	
28	Dismantlement work to be included in erection part of BOQ	No.						0				
29	Dismantlement of PCC Poles 11 mtr. Long (inclusive of complete fittings) and their transportation proper stacking at any dedicated store of UHBVN	No.	62	516.9	32047.8	0	62	32047.8	11	62	73	37733.7
30	Dismantlement of existing of 130 mm <sup>2</sup> Leopard ACSR conductor complete with H/W fittings for above portion of line and their transportation proper stacking at any dedicated store of UHBVN	km	10.278	2572.98	26445.09	0	10.278	26445.08864	2.05	10.278	13.338	31745.42724


		km	3.426	1379.88	4777.81	0	3.426	4727.8148	0.673	3.45	4.133	5703.45734
	m) Demarcation of existing of earthwork complete with HPPV signs for above down of line and their transportation proper stacking at the dedicated store of UHVVN											
	n) Dismantling of existing of steel structure	MT						0				
	v) Dismantling of Disc and Pin Insulators	Nos						0				
	C							0				
1	Detailed Survey	KM	3.426	19037.89	65271.81	0.4	3.825	72838.96714	0.685	3.45	4.145	78931.09194
2	Furnishing bore log data	No.	8	6345.96	50767.68	2	10	63459.6	3	8	11	69805.56
3	A) Construction of tower foundations as per HVPNL Drawings & specifications for 0 to 6M extension including excavation, B) 66 KV D/C tower type "DA" classified as											
	- Dry	No.	0	75567.73	0.00	0	0	0	0	0	0	0
	- wet without de-watering	No.	12	79437.5	953250.00	2	14	1112125	1	12	13	1032687.5
	- Dry	No.	0	106697.23	0.00	0	0	0	0	0	0	0
	- wet without de-watering	No.	1	122048.11	122048.11	0	1	122048.11	0	1	1	122048.11
	m) 66 KV D/C tower type "DC" classified as											
	- Dry	No.	0	132582.41	0.00	0	0	0	0	0	0	0
	- wet without de-watering	No.	1	168808.97	168808.97	0	1	168808.97	0	1	1	168808.97
	n) 66 KV D/C tower type "DO" classified as											
	- Dry	No.	0	176127.14	0.00	0	0	0	0	0	0	0
	- wet without de-watering	No.	3	213546.75	640640.25	0	3	640640.25	2	3	5	1067733.75
4	Construction of 66 KV D/C gantry foundations as per HVPNL frgs & Specs including excavation, concreting, supply & placement of steel reinforcement & backfilling complete in all respect. j) KRR design gantry	set	0	309184.22	0.00	0	0	0	0	0	0	0
5	De-watering of subsoil water for lowering of water table to enable excavation of earth, concreting for foundation, stub and backfilling by boring of tube wells or employing well point system so that continuous lowering of water table is made till completion of work, without disturbing the soil characteristics. Also the shall include all type of expenditure for required de-watering arrangements and respective of type of tower d/c extensions if any i.e. KRR design or TATA design.	No.	17	63459.63	1078813.71	2	19	1205732.97	3	17	20	1269192.6
6	Protection measure							0				

Unit supply Total cost

*[Handwritten signatures and initials]*





# UTTAR HARYANA BIJLI VITRAN NIGAM LIMITED

(A Government of Haryana Undertaking)

Registered Office: C-16, Vidyut Sadan, Sector-6, Panchkula, Haryana

Office of CE/ PD&C, UHBVN, Panchkula

Ph. No. 0172- 2570431, 3019145, 146 & Fax-0172- 2578469

E-mail - [cepd@uhbvn.org.in](mailto:cepd@uhbvn.org.in)

To

M/s Flair Electric Projects Pvt. Ltd.,  
129, Transport Center, Rohtak Road Panjabi Bagh,  
New Delhi-110035  
Tel No. +011-47634400

E-mail: [manan.rajkumar@gmail.com](mailto:manan.rajkumar@gmail.com)

Contract No. PDC-237/ CE PDC/ SE PD/ XEN DD- III/ B- 581/ 2019

Dated: - 28.05.2019

**Subject:** LOI cum Work Order for erection of material for construction of new 66 kV Towers for strengthening of existing 33 kV Rampur-Thimo and 33 kV Rampur-Ledi lines emanating from 220 kV Sub-station Rampur Kamboj at Low Lying/ Water Logging/ Forest Area alongwith complete civil works on turnkey basis under 'Op' Circle, Yamuna Nagar in geographical area of UHBVN.

This is to notify that your offer/ Bid Ref No. FLAIR/ UHBVNL/ NIT No. 237 (Bid No. B- 581)/ P&D/ 2018- 19/ 01 dated 11.03.2019 and up to date correspondence on the subject for the supply, erection testing & commissioning of material for construction of new 66 kV Towers for strengthening of existing 33 kV Rampur-Thimo and 33 kV Rampur-Ledi lines emanating from 220 kV Sub-station Rampur Kamboj at Low Lying/ Water Logging/ Forest Area alongwith complete civil works on turnkey basis under 'Op' Circle, Yamuna Nagar in geographical area of UHBVN against NIT No. 237/ P&D/ 2019 (against Bid No. B- 581) has been accepted for total equivalent value of Rs. 45,67,739.80 (Rupees Forty Five Lakh Sixty Seven Thousand Seven Hundred Thirty Nine and Paise Eighty Only) all-inclusive i.e. GST, F&I etc. and at the agreed terms & conditions and thus a contract has come into force in terms thereof.

### Scope of work:-

Supply and erection of 66 kV Towers and stringing of conductor for strengthening of existing 33 kV Rampur-Thimo & 33 kV Rampur-Ledi lines at low lying/ Water logging/ forest area emanating from 220 kV Sub-station Rampur Kamboj alongwith complete civil works under 'Op' Circle Yamunanagar in geographical area of UHBVN as work contract on Supply-cum-Erection Basis as per the details given below hereinafter referred to as "Works".

### NIT No. 237/ P&D/2018

Sr. No.	Description	Length of line
1	Construction of 66 kV Towers and stringing of conductor on existing 33 kV Rampur-Thimo and 33 kV Rampur-Ledi lines at low lying/ Water logging/ forest area	3.426 km

### WORK SCHEDULE

Your firm shall immediately start the work of route survey and route alignment of 33 kV transmission lines at sites. At the same time stub sets, Form Boxes, Sag Templates etc. in sufficient quantity shall also be arranged. Your firm shall commence the construction activity at sites within 15 Days from the date of award of contract and the Equipment will start arriving at sites within 01 month after the date of award of contract.

The schedule of prices is given as under:-

### Erection of material for 66 kV Towers, 150 mm<sup>2</sup> ACSR Conductor:-

Sr. No.	Description of Material	Unit	Qty.	Erection price (all inclusive) (in Rs.)	Total cost for erection of material (all inclusive) (in Rs.)
<b>A</b>	<b>TOWERS</b>				
1	Fabrication and supply of tower part with stubs, bolts & nuts, step bolts, U-bolts, hangers, D-shackle etc. of following type of 66 kV D/C KPR Design towers				
1.1	66kV "DA" type Tower	No	12	24745.33	296943.96
	i) +3m extn. Only	No	4	4339.28	17357.12
	ii) +6m extn. Only	No	1	7700.82	7700.82

2	66kV "DB" type Tower	No.	1	36155.95	36155.95
	i) +3m extn. Only	No.	0	9756.10	0.00
	ii) +6m extn. Only	No.	0	16508.15	0.00
3	66kV "DC" type Tower	No.	1	38134.26	38134.26
	i) +3m extn. Only	No.	1	9386.02	9386.02
	ii) +6m extn. Only	No.	0	17645.58	0.00
4	66kV "DD" type Tower	No.	3	51114.58	153343.74
	i) +3m extn. Only	No.	0	11602.77	0.00
	ii) +6m extn. Only	No.	2	20055.82	40111.64
5	Gantry	No.	0	33452.51	0.00
6	4 pole structure on 11 mtr. long PCC poles *	No.	4	12216.81	48867.24
7	Supply of earthing of towers			0.00	0.00
	i) Pipe type	Set	17	679.09	11544.53
	ii) Counterpoise type	Set	0	0.00	0.00
3	Supply of following Tower accessories			0.00	0.00
	i) Danger Plate	No.	25	81.50	2037.50
	ii) Number Plate	No.	25	81.50	2037.50
	iii) Phase Plate (set of 3)	Set	13	81.50	1059.50
	iv) Circuit Plate (set of 2)	Set	25	81.50	2037.50
	v) Bird Guard (Set of 3)	Set	24	203.73	4889.52
	vi) Anti climbing device	Set	17	1086.57	18471.69
<b>B</b>	<b>LINE MATERIAL</b>			0.00	0.00
4	Conductor (Wolf ACSR 150mm <sup>2</sup> )	km	20.69	14535.30	300735.36
5	Earthwire (7/ 3.15 mm)	km	3.46	3322.36	11495.37
6	Antilog type disc insulators			0.00	0.00
	i) 70 kN Suspension type	Set	216	276.86	59801.76
	ii) 90 kN Tension type	Set	468	415.29	194355.72
7	66 kV Post Insulators	No.	0	276.86	0.00
8	Hardware Fittings			0.00	0.00
	i. Single 'I' Suspension String suitable for Wolf ACSR 150mm <sup>2</sup>	Set	72	83.06	5980.32
	ii. Single suspension pilot string suitable for Wolf ACSR 150mm <sup>2</sup>	Set	9	165.16	1486.44
	iii. Single Tension string suitable for Wolf ACSR 150mm <sup>2</sup>	Set	156	179.96	28073.76
	iv. Double tension string	Set	0	703.53	0.00
9	Conductor & Earth wire Accessories			0.00	0.00
	i) Mid Span Compression Joint for conductor	No.	14	104.31	1460.34
	ii) Mid Span Compression Joint for earth wire	No.	4	11.83	47.32
	iii) Repair sleeves for conductor	No.	5	27.68	138.40
	iv) Flexible copper Bond	No.	12	47.81	573.72
	v) Vibration damper for Wolf ACSR	No.	458	96.44	43976.64
	vi) Vibration damper for earthwire	No.	50	56.76	2838.00
	vii) Earth-wire Tension clamp	No.	26	73.89	1921.14
	viii) Earth-wire Suspension clamp	No.	12	76.20	914.40
10	DISMANTLEMENT WORK to be included in Erection Part of BOQ			0.00	0.00
	i) Dismantlement of PCC Poles 11 mtr. Long. (inclusive of complete fittings) and their transportation proper stacking at any dedicated store of UHBVN	No.	62	516.90	32047.80
	ii) Dismantlement of existing of 130 mm <sup>2</sup> Leopard ACSR conductor complete with HW fittings for above portion of line and their transportation proper stacking at any dedicated store of UHBVN	km	10.278	2572.98	26445.09
	iii) Dismantlement of existing of earthwire complete with HW fittings for above portion of line and their transportation proper stacking at any dedicated store of UHBVN	km	3.426	1379.08	4727.81
<b>C</b>	<b>Civil Works</b>				0.00
1	Detailed Survey	km	3.426	19037.89	65223.81
2	Furnishing bore log data	No.	8	6345.96	50767.68
3	(A) Construction of tower foundations as per HVPNL Drawings & Specifications for 0 to 6M extension including excavation, concreting, supply and placement of			0.00	0.00

	Steel reinforcement and backfilling complete in all respect.				
	i) 66kV D/C Tower type 'DA' (KRR Design) classified as			0.00	0.00
	- Dry	No.	0	75567.73	0.00
	- Wet (w/out de-watering)	No.	12	79437.50	953250.00
	ii) 66kV D/C Tower type 'DB' (KRR Design) classified as			0.00	0.00
	- Dry	No.	0	106697.23	0.00
	- Wet (w/out de-watering)	No.	1	122048.11	122048.11
	iii) 66kV D/C Tower type 'DC' (KRR Design) classified as			0.00	0.00
	- Dry	No.	0	132582.41	0.00
	- Wet (w/out de-watering)	No.	1	168808.97	168808.97
	iv) 66kV D/C Tower type 'DD' (KRR Design) classified as			0.00	0.00
	- Dry	No.	0	176127.14	0.00
	- Wet (w/out de-watering)	No.	3	213546.75	640640.25
4	"Construction of 66 kV 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	0	309164.22	0.00
5	Dewatering of subsoil water for lowering of water table to enable excavation of earth, concreting for foundations/stub and backfilling, by boring of tube wells or deploying well point system so that continuous lowering of water table is made till completion of work, without disturbing the soil characteristics. The rate shall include all type of expenditure for required dewatering arrangements and irrespective of type of tower i/c extensions if any i.e. KRR design or TATA design	Nd.	17	63459.63	1078813.71
6	Protection Measure			0.00	0.00
i)	Brick masonry in 1:4 cement sand mortar including excavation	Cum	2	4149.51	8299.02
ii)	Earth filling, compaction, leveling etc inside revetments	Cum	2	81.22	162.44
iii)	M-20 (1:1½:3 mix) concrete for top seal cover, for revetment etc.	Cum	1	5943.26	5943.26
iv)	Lean concrete (1:4:8)	Cum	1	3225.02	3225.02
v)	RCC 1:1.5:3 (M20) including all material, labour, excavation, cutting and placing of steel, centering & shuttering, concreting etc. complete in all respect.	Cum	5	12691.93	63459.65
	<b>Total</b>				<b>4567739.80</b>

**Total Rs. 45,67,739.80**

**(Rupees Forty Five Lakh Sixty Seven Thousand Seven Hundred Thirty Nine and Paise Eighty Only)**

**1. COMPLETION SCHEDULE:-**

The work shall be completed and shall have passed the tests on completion within 03 months from the date of issue of Letter of Intent (LOI) Date of inspection and clearance by Chief Electrical Inspector will be considered as date of completion of works

Note - The request for CEI clearance shall be made by SDO concerned through e-mail also with CC to work order issuing authority

**2. PRICE SCHEDULE: -**

All 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 the unit price of ACSR conductor & towers (including its extension and ganties) 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. The price variation formulas for tower and conductor shall be as per Annexure -XII of Bid Document.

**3. TAXES & DUTIES: -**

The prices are inclusive of all GST, any other tax, duties, F&I and levies, as applicable and nothing extra shall be payable on this account under any circumstances.

**4. PROMOTION OF LOCAL ARTISANS: -**

In line with UHBVN policy for promoting local artisans, the work related to fabrication of transformer platform, clamps for mounting GO switches and other allied fabrication work of bending, welding, drilling etc. will be got done from local blacksmith / fabricator. You shall ensure that at least 50% of the fabrication work involved in the tender shall be got executed through local blacksmith/ fabricator. More than one blacksmith/ fabricator should be selected for getting the work, to avoid any monopoly or dependence on single source

The minimum rate of fabrication will be Rs. 20 per kg including primer and paint coating inclusive of tax, if any. The transaction will be made through bank account and will be free from tax liabilities like GST etc. Any documentation in this regard and record of payment made to the fabricator will be maintained by the contractor.

**5. PENALTY FOR DELAY IN WORK: -**

0.25% per week or part thereof subject to maximum of 5% of value of leftover un-commissioned unit. The Employer may without prejudice to any other method of recovery, deduct the amount of such penalty from any amount due or to become due to the Contractor. The deduction of the penalty shall be made from the running bills of the contractor subject to the maximum of 50% of that bill amount. The remaining penalty amount, if any, shall be adjusted from the consequent final bill of the contractor, thereafter. However, the paying authority shall ensure that the pending payments against the contract are more than net penalty recoverable from the contractor. The payment or deduction of such penalty shall not relieve the Contractor from his obligation to complete the Works or from any other of his obligation and liabilities under the Contract.

Note: A 33 kV Sub-station or 33/ 11 kV lines which can be independently utilized by owner shall be considered as a Unit of Package.

Deferment of delayed penalty:

UHBVN will symmetrically consider the request of the firm for deferment of recovery of penalty so as to ensure cash flow with the firm subject to the following:-

- 1. The firm will submit BG equivalent to the amount of delayed penalty.
- 2. 70% of the delayed penalty will be refunded provisionally subject to the condition that in case delayed penalties become leviable on finalization of the time extension case, the same shall be recovered along with interest as per SBI base rate plus 3% applicable on the date of release of payment.

An incentive for early completion of all the works of the NIT as a whole from the completion period as per Clause 25 and in accordance with Clause 29.2 will be given to the Contractor @ 1/2% (half percent) per fortnight subject to a maximum of 2.5% (two & half percent) of total contract amount.

**6. PAYMENT TERMS: -**

The payment will be made as follows: -

**a) Price Component for Erection Services:**

- i) 90% of the total erection price component shall be paid monthly on pro-rata basis on furnishing of certificate by the Engineer-in charge and Third Party inspecting agency, for the quantum of work completed and on successful completion of quality check.
- ii) Balance 10% shall be paid after inspection, testing, clearance by the CEI, Govt. of Haryana and commissioning of work and inspection by the Engineer in charge and Third Party jointly and handing over of the work to the Nigam. All the statutory requirement as well other formalities shall be got completed before release of final payment.

**b) Terms of Payment for Civil Works:**

90% payment of the unit price along with payable GST of the bill amount thereon shall be paid within 30 days of submission of bill by the contractor to concerned SDO.

**c) Retention Money:-**

- i) 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 UHBVN.
- ii) 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.
- iii) Remaining Five Percent (5%) of the total price shall be paid after 30 days of submission of completion certificate issued by XEN/ Const immediately after 03 months from taking over certificate along with quantification of left over works/ punch points for recovery.

- iv) 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 UHBVNL 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.
- v) All the statutory requirement as well other formalities shall be got completed before release of final payment.

Note:- The delivery of the material shall be regulated in accordance with the quality Assurance Plan of Nigam.

The payment in the above cases shall be made on 30<sup>th</sup> day of submission of the bill and requisite documents to the executing office by the contractor after attending the discrepancies / shortcomings, if any pointed out by the Engineer-in-charge/ Executing office. All payments shall be made by the purchaser or his authorized agent to the supplier in rupees in India.

All payments shall be made by the concerned XEN/ Const. or XEN/ Civil Const. to the supplier in rupees in India.

For the proper project monitoring it has been decided to maintain a hindrance register at works site wherein contractor is allowed to write the problems being faced during the execution of the works. The register shall be checked/ reviewed by the PD&C wing on monthly basis.

**7. PERFORMANCE BANK GUARANTEE: -**

You shall arrange to furnish performance bank guarantee equal to 10% of total contract price valid up to 90 days after expiry of warranty period i.e. defect liability period, within 15 days from the date of issue of LOI-cum-work order.

Further Penalty @0.35% per week or part thereof subject to maximum 2% of the value of BG if bank guarantee not submitted within 15 days from the date of issue of LOA/ LOI- cum- Work Order.

If the bank guarantee not submitted within 45 days from the date of issue of LOA/ LOI- cum- Work Order, the employer/ Nigam reserves the right to cancel the LOA/ LOI and initiate the action for allotment to L-2 firm at L-1 rate or below.

However before the expiry of above mentioned 45 days the contractor may seek approval for grant of additional one month (maximum) on payment of the entire penalty amount for 45 days as mentioned above. The grant of one month will not entitle the firm to claim the extension of the scheduled completion time.

**8. Signing of contract: -**

Final contract agreements, in all respect, shall be signed within 15 days from the date of the Notification of the Award and return it to the Owner. In case, your firm fails to submit the Contract Agreements duly signed within 15 days from the date of issue of detailed contract, the payment will not be released till the submission of Contract Agreements and penalty @ 0.25% per week or a part thereof shall be deducted from your bill subject to maximum 1% of Contract value.

**9. FORCE MAJEURE: -**

As per Clause 44 of Conditions of Contract of Bid documents.

**10. INSPECTION AND TESTING: -**

The material shall be inspected as per provision in Clause- 20 of Conditions of Contract of Bid documents at the works of manufactures and all tests shall be carried out as per provision in Technical Specification before dispatch. The material shall not be dispatched until and unless the same is authorized for dispatch by UHBVN. All type test certificates shall be got approved as per GTP and Technical Specifications from this office before dispatch of material.

**11. STORAGE OF MATERIAL: -**

The contractor shall store all the material/ equipment in a well maintained store at his own cost. All the services required for maintaining the stores shall be at the cost of the firm.

**12. PACKING: -**

The material shall be packed before dispatch as per provision in Clause 33.5 of Conditions of Contract of the Bid Documents and packing Clause of Technical Specification.

**13. WARRANTY PERIOD: -**

The warranty of equipments shall be for the period as per provisions made in the Technical Specifications of the Nigam from date of commissioning and where the warranty period has not been specified, the same shall be 12 months. The manufacturers of these materials should not be blacklisted by any SEB / Utility of any State of India. In case, it is found that the material supplied is from any blacklisting firm the same shall be out rightly rejected and the firm shall be liable to arrange the same at shortest period of time without any relaxation of extension in completion time.

**14. DEFECTS AFTER TAKING OVER: -**

- a) The contract shall warrant that the equipment will be new, unused and in accordance with contract documents, and free from defects in material and workmanship for a period as specified in the warranty clause of Technical specification (TS) from the date of commissioning. However, in case the warranty period is not defined in the TS of Nigam, the same is to be considered as 12 months from the date of commissioning. The contractor's liability shall be limited to the replacement of any defective part in the equipment of his own manufacture or those of his sub-contractors under normal use, and arising solely from faulty design, material and/or workmanship provided always that such defective parts are repairable at the site and are not in meantime essential in the commercial use of the equipment. Such replaced/defective parts shall be returned to the contractor unless otherwise arranged. No repairs or replacement shall normally be carried out by the owner when the equipment is under the supervision of contractor's supervisory engineer. In case the firm/supplier/contractor fails to replace the damaged material within stipulated period of 45 days, interest @ 10% shall be charged on the value of the material remained blocked.
- b) In the event of any emergency, where in the judgment of the engineer, delay would cause serious loss of damages, repairs or adjustment be made by the owner or a third party chosen by the owner without advance notice to the contractor and cost of such works shall be paid by the contractor. In event, such action is taken by the Employer the contractor will be notified promptly and he shall assist in making necessary correction. This shall not relieve the contractor of his liabilities under the terms and conditions of the contract.
- c) If it becomes necessary for the contractor to replace or renew any defective portions, the provision of this clause shall apply to portion of the works so replaced or renewed until the expiry of twelve months from the date of replacement/ renewal of the defective parts/ portion of work. If any defects are not remedied within reasonable time the owner may proceed to do the work at the contractor's risk and cost. But without prejudice to any other rights which the owner may have against the contractor in respect of such defects.
- d) The repaired or new parts will be furnished and erected free of cost by the contractor. If any repair is carried out on his behalf at the site the contractor shall bear the cost of such repairs.
- e) The cost of any special or general overhaul rendered necessary during the maintenance period due to defects in the equipment or defective work carried out by the contractor the same shall be borne by the contractor.
- f) The acceptance of the equipment by the owner shall in no way relieve the contractor of his obligations under this clause.
- g) In case of those defective parts, which are not repairable at site but are essential for the commercial operation of the equipment, the contractor and the owner shall mutually agree to a program of replacement or renewal, which will minimize interruptions to the maximum extent, in the operation of the equipment.
- h) At the end of the guarantee period the contractor's liability ceases except for latent defects (\*). For latent defects the contractor's liability as mentioned in clause No. 14 (a) through 14 (g) above shall remain till the end of three years from the date of completion of guaranteed period.
- i) The provisions contained in this clause will not be applicable; if the owner has not used the equipment according to generally approved industrial practice and in accordance with the conditions or operation specified and in accordance with manuals, if any. In case of normal wear & tear of the parts to be specifically mentioned by the contractor in the offer. (\*) Latent defect shall mean such defects caused by faulty design, material or workmanship which cannot be detected during inspection, testing etc. based on the technology for carrying out such tests.

**15. QUANTITY VARIATION: -**

The employer reserves the right to increase or decrease the contract value or the quantity of Bid & Services specified without any change in unit price or other terms & condition during the execution of contract depending upon the final route plan/ actual execution required. The quantity of individual items may, therefore, vary as per final route plan and route profile of the line. The payment shall be made on actual basis for the material supplied and services rendered.

The Purchaser reserves the right to increase/ decrease the quantity/ value of works by 25% before the signing of contract and/ or during the currency of the contract at the same rate terms and conditions.

The quantity variation allowed shall be within  $\pm 25\%$  of contract value/works as a whole and not for each individual items.

**16. Signing of contract: -**

Final contract agreements, in all respect, shall be signed within 15 days from the date of the Notification of the Award and return it to the Owner. In case, your firm fails to submit the Contract Agreements duly signed within 15 days from the date of issue of detailed contract, the payment will not be released till the submission of Contract Agreements and penalty @ 0.25% per week or a part thereof shall be deducted from your bill subject to maximum 1% of Contract value.

**17. SUPPLY CONTRACT: -**

Another contract for supply of material for 66 kV Towers & ACSR conductor under 'Op' Circle, Yamuna Nagar on turnkey basis has been placed upon you simultaneously. Any breach in the Contract of Supply will automatically means breach of erection contract also

**18. TESTS ON COMPLETION: -**

The same shall be governed as per clause-28-29 of the bid document.

**19. COMPLIANCE OF LAWS: -**

As per provision contained in clause 53 of conditions of contract of Bid documents, you will certified that you have complied with provisions of industrial and labour laws including provident fund/ ES/ fund etc. as may be applicable.

**20. PROGRAMME: -**

As per clause No. 12 of the conditions of contract, you will submit program showing the general method arrangement in the office CE/ PD&C, SE/ Construction and SE/ Civil.

**21. SETTLEMENT OF DISPUTES, ARBITRATION & BLACKLISTING OF THE FIRM: -**

The same shall be governed as per clause-55, 56 & 57 respectively of the bid document.

**22. WORK IN-CHARGE: -**

The work shall be got executed under the supervision of concerned XEN/ Const or XEN/ Civil Const and his subordinates, falling under their jurisdiction.

You have agreed to all the terms and conditions as per I.T.B. and conditions of Contract and the Technical Specification i.e. Vol.-I, Vol.-II & Vol.-III of the Bid documents. Unless there is anything repugnant or contrary to context, all terms and conditions will be applicable as per I.T.B and conditions of the Contract and Technical Specifications of UHBVN i.e. Vol.-I, Vol.-II & Vol.-III of Bid No. B-581.

This is without prejudice to other terms & conditions as contained in the Bid document for Bid No B-581.

Yours faithfully,

Superintending Engineer/ P&D,  
UHBVN, Panchkula

Endst. No. Ch- 24/CE PDC/ SE PD/ XEN DD- III/ B-581/ 2019

Dated: - 28.05.2019

Copy of the above is forwarded to the following for information and necessary action please.

1. SPS to Chairman-cum-Managing Director, UHBVN & DHBVN, Panchkula for kind information of worthy CMD. please.
2. SPS to Director/ Tech-I, UHBVN, Panchkula for kind information of the Director. please.
3. CE/ PD&C, UHBVN, Panchkula
4. CE 'Op' Circle, UHBVN, Panchkula
5. SE/ Construction, Circle, UHBVN, Panchkula
6. SE/ Civil Construction, Circle, UHBVN, Panchkula.
7. SE 'Op' Circle, UHBVN, Yamuna Nagar.
8. FA/ HQ, UHBVN, Panchkula.
9. FA/ PD&C, UHBVN, Panchkula.
10. XEN/ Const., Division, UHBVN, Karnal
11. XEN/ Civil Const., Division, UHBVN, Panchkula.

This allotment carries the approval of HPPC (Nigam) of UHBVN on dated 27.05.2019 and issued after pre-audit from FA/ PD&C, UHBVN, Panchkula.

Superintending Engineer/ P&D,  
UHBVN, Panchkula



# UTTAR HARYANA BIJLI VITRAN NIGAM LIMITED

(A Government of Haryana Undertaking)  
 Registered Office: C-16, Vidhyut Sadan, Sector-6, Panchkula, Haryana  
 Office of CE/ PD&C, UHBVN, Panchkula  
 Ph. No. 0172- 2570431, 3019145, 146 & Fax-0172- 2578469  
 E-mail – [cepdc@uhbvn.org.in](mailto:cepdc@uhbvn.org.in)

To

M/s Flair Electric Projects Pvt. Ltd.,  
 129, Transport Center, Rohtak Road Panjabi Bagh,  
 New Delhi-110035  
 Tel No. +011-47634400

E-mail: [manan.rajkumar@gmail.com](mailto:manan.rajkumar@gmail.com)

Contract No. PDC-327 CE PDC/ SE PD/ XEN DD- III/ B- 581/ 2019  
 Dated: - 28.05.2019

**Subject:** LOI cum Work Order for supply of material for construction of new 66 kV Towers for strengthening of existing 33 kV Rampur-Thimo and 33 kV Rampur-Ledi lines emanating from 220 kV Sub-station Rampur Kamboj at Low Lying/ Water Logging/ Forest Area alongwith complete civil works on turnkey basis under 'Op' Circle, Yamuna Nagar in geographical area of UHBVN.

This is to notify that your offer/ Bid Ref No. FLAIR/ UHBVNL/ NIT No. 237 (Bid No. B- 581)/ P&D/ 2018- 19/ 01 dated 11.03.2019 and up to date correspondence on the subject for the supply, erection testing & commissioning of material for construction of new 66 kV Towers for strengthening of existing 33 kV Rampur-Thimo and 33 kV Rampur-Ledi lines emanating from 220 kV Sub-station Rampur Kamboj at Low Lying/ Water Logging/ Forest Area alongwith complete civil works on turnkey basis under 'Op' Circle, Yamuna Nagar in geographical area of UHBVN against NIT No. 237/ P&D/ 2019 (against Bid No. B- 581) has been accepted for total equivalent value of Rs. 1,21,25,982.32 (Rupees One Crore Twenty One Lakh Twenty Five Thousand Nine Hundred Eighty Two and Paise Thirty Two Only) all-inclusive i.e. GST, F&I etc. and at the agreed terms & conditions and thus a contract has come into force in terms thereof.

**Scope of work:-**

Supply and erection of 66 kV Towers and stringing of conductor for strengthening of existing 33 kV Rampur-Thimo & 33 kV Rampur-Ledi lines at low lying/ Water logging/ forest area emanating from 220 kV Sub-station Rampur Kamboj alongwith complete civil works under 'Op' Circle Yamunanagar in geographical area of UHBVN as work contract on Supply-cum-Erection Basis as per the details given below hereinafter referred to as "Works".

NIT No. 237/ P&D/2018

Sr. No.	Description	Length of line
1	Construction of 66 kV Towers and stringing of conductor on existing 33 kV Rampur-Thimo and 33 kV Rampur-Ledi lines at low lying/ Water logging/ forest area	3.426 km

**WORK SCHEDULE**

Your firm shall immediately start the work of route survey and route alignment of 33 kV transmission lines at sites. At the same time stub sets, Form Boxes, Sag Templates etc. in sufficient quantity shall also be arranged. Your firm shall commence the construction activity at sites within 15 Days from the date of award of contract and the Equipment will start arriving at sites within 01 month after the date of award of contract.

The schedule of prices is given as under:-

**Supply of material for 66 kV Towers, 150 mm<sup>2</sup> ACSR Conductor:-**

Sr. No.	Description of Material	Unit	Qty.	Unit supply price (all inclusive) (in Rs.)	Total cost for supply of material (all inclusive) (in Rs.)
<b>A</b>	<b>TOWERS</b>				
1	Fabrication and supply of tower part with stubs, bolts & nuts, step bolts, U-bolts, hangers, D-shackle etc. of following type of 66 kV D/C KRR Design towers				
1.1	66kV "DA" type Tower	No.	12	225385.03	2704620.36

	i) +3m extn. Only	No.	4	39522.92	158091.68
	ii) +6m extn. Only	No.	1	70140.38	70140.38
2	66kV "DB" type Tower	No.	1	329315.20	329315.20
	i) +3m extn. Only	No.	0	88860.37	0.00
	ii) +6m extn. Only	No.	0	150359.50	0.00
3	66kV "DC" type Tower	No.	1	347334.15	347334.15
	i) +3m extn. Only	No.	1	85489.74	85489.74
	ii) +6m extn. Only	No.	0	160719.30	0.00
4	66kV "DD" type Tower	No.	3	465561.21	1396683.63
	i) +3m extn. Only	No.	0	105080.24	0.00
	ii) +6m extn. Only	No.	2	182672.14	365344.28
5	Gantry	No.	0	304691.86	0.00
6	4 pole structure on 11 mtr. long PCC poles *	No.	4	101597.13	406388.52
7	Supply of earthing of towers				0.00
	i) Pipe type	Set	17	5647.46	96006.82
	ii) Counterpoise type	Set	0	0.00	0.00
3	Supply of following Tower accessories				0.00
	i) Danger Plate	No.	25	677.68	16942.00
	ii) Number Plate	No.	25	677.68	16942.00
	iii) Phase Plate(set of 3)	Set	13	677.68	8809.84
	iv) Circuit Plate (set of 2)	Set	25	677.68	16942.00
	v) Bird Guard (Set of 3)	Set	24	1694.23	40661.52
	vi) Anti climbing device	Set	17	9035.94	153610.98
B	LINE MATERIAL				0.00
4	Conductor (Wolf ACSR 150mm <sup>2</sup> )	km	20.69	132390.30	2739155.31
5	Earthwire (7/ 3.15 mm)	km	3.46	30260.64	104701.81
6	Antifog type disc insulators				0.00
	i) 70 kN Suspension type	Set	216	2521.72	544691.52
	ii) 90 kN Tension type	Set	468	3782.58	1770247.44
7	66 kV Post Insulators	No.	0	2521.72	0.00
8	Hardware Fittings				0.00
	i. Single 'I' Suspension String suitable for Wolf ACSR 150mm <sup>2</sup>	Set	72	756.52	54469.44
	ii. Single suspension pilot string suitable for Wolf ACSR 150mm <sup>2</sup>	Set	9	1373.46	12361.14
	iii. Single Tension string suitable for Wolf ACSR 150mm <sup>2</sup>	Set	156	1639.12	255702.72
	iv. Double tension string	Set	0	5850.76	0.00
9	Conductor & Earth wire Accessories				0.00
	i) Mid Span Compression Joint for conductor	No.	14	867.45	12144.30
	ii) Mid Span Compression Joint for earth wire	No.	4	98.28	393.12
	iii) Repair sleeves for conductor	No.	5	230.24	1151.20
	iv) Flexible copper Bond	No.	12	397.58	4770.96
	v) Vibration damper for Wolf ACSR	No.	456	801.94	365684.64
	vi) Vibration damper for earthwire	No.	50	472.13	23606.50
	vii) Earth-wire Tension clamp	No.	26	614.44	15975.44
	viii) Earth-wire Suspension clamp	No.	12	633.64	7603.68
	<b>Total</b>				<b>12125982.32</b>

**Total Rs. 1,21,25,982.32**

**(Rupees One Crore Twenty One Lakh Twenty Five Thousand Nine Hundred Eighty Two and Paise Thirty Two Only)**

**1. COMPLETION SCHEDULE:-**

The work shall be completed and shall have passed the tests on completion within 03 months from the date of issue of Letter of Intent (LOI). Date of inspection and clearance by Chief Electrical Inspector will be considered as date of completion of works.

Note: - The request for CEI clearance shall be made by SDO concerned through e-mail also with CC to work order issuing authority

**2. PRICE SCHEDULE: -**

All 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 the unit price of ACSR conductor & 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. The price variation formulas for tower and conductor shall be as per Annexure -XII of Bid Document.

**3. TAXES & DUTIES: -**

The prices are inclusive of all GST, any other tax, duties, F&I and levies, as applicable and nothing extra shall be payable on this account under any circumstances.

**4. PROMOTION OF LOCAL ARTISANS: -**

In line with UHBVN policy for promoting local artisans, the work related to fabrication of transformer platform, clamps for mounting GO switches and other allied fabrication work of bending, welding, drilling etc. will be got done from local blacksmith / fabricator. You shall ensure that at least 50% of the fabrication work involved in the tender shall be got executed through local blacksmith/ fabricator. More than one blacksmith/ fabricator should be selected for getting the work, to avoid any monopoly or dependence on single source.

The minimum rate of fabrication will be Rs. 20 per kg including primer and paint coating inclusive of tax, if any. The transaction will be made through bank account and will be free from tax liabilities like GST etc. Any documentation in this regard and record of payment made to the fabricator will be maintained by the contractor.

**5. PENALTY FOR DELAY IN WORK: -**

0.25% per week or part thereof subject to maximum of 5% of value of leftover un-commissioned unit. The Employer may without prejudice to any other method of recovery, deduct the amount of such penalty from any amount due or to become due to the Contractor. The deduction of the penalty shall be made from the running bills of the contractor subject to the maximum of 50% of that bill amount. The remaining penalty amount, if any, shall be adjusted from the consequent final bill of the contractor, thereafter. However, the paying authority shall ensure that the pending payments against the contract are more than net penalty recoverable from the contractor. The payment or deduction of such penalty shall not relieve the Contractor from his obligation to complete the Works or from any other of his obligation and liabilities under the Contract.

Note: A 33 kV Sub-station or 33/ 11 kV lines which can be independently utilized by owner shall be considered as a Unit of Package.

Deferment of delayed penalty:

UHBVN will symmetrically consider the request of the firm for deferment of recovery of penalty so as to ensure cash flow with the firm subject to the following:-

1. The firm will submit BG equivalent to the amount of delayed penalty.
2. 70% of the delayed penalty will be refunded provisionally subject to the condition that in case delayed penalties become leviable on finalization of the time extension case, the same shall be recovered along with interest as per SBI base rate plus 3% applicable on the date of release of payment.

An incentive for early completion of all the works of the NIT as a whole from the completion period as per Clause 25 and in accordance with Clause 29.2 will be given to the Contractor @ 1/2% (half percent) per fortnight subject to a maximum of 2.5% (two & half percent) of total contract amount.

**6. PAYMENT TERMS: -**

The payment will be made as follows: -

**a) Price component for material:**

- i) 50% payment of the cost of material including GST, F&I, other applicable Taxes and Duties etc will be made on receipt of material after verification at the project site/stores.
- ii) 40% payment of the cost of material will be made monthly on pro-rata basis after the material has been erected/ utilized at site and verified. Payment shall be released on the certification of the Engineer Incharge of the work.
- iii) Balance 10% payment shall be paid after inspection, testing, clearance by the CEI, Govt. of Haryana and commissioning of work and inspection by the Engineer Incharge and Third Party (existing, if any) jointly and handing over of the work to the Nigam. All the statutory requirement as well other formalities shall be got completed before release of final payment.

Note:- The delivery of the material shall be regulated in accordance with the quality Assurance Plan of Nigam.

The payment in the above cases shall be made on 30<sup>th</sup> day of submission of the bill and requisite documents to the executing office by the contractor after attending the discrepancies / shortcomings, if any pointed out by the Engineer-in-charge/ Executing office. All payments shall be made by the purchaser or his authorized agent to the supplier in rupees in India.

All payments shall be made by the concerned XEN/ Const. or XEN/ Civil Const. to the supplier in rupees in India.

For the proper project monitoring it has been decided to maintain a hindrance register at works site wherein contractor is allowed to write the problems being faced during the execution of the works. The register shall be checked/ reviewed by the PD&C wing on monthly basis.

**7. Performance Bank Guarantee: -**

You shall arrange to furnish performance bank guarantee equal to 10% of total contract price valid up to 90 days after expiry of warranty period i.e. defect liability period, within 15 days from the date of issue of LOI-cum-work order.

Further Penalty @0.35% per week or part thereof subject to maximum 2% of the value of BG if bank guarantee not submitted within 15 days from the date of issue of LOA/ LOI- cum- Work Order.

If the bank guarantee not submitted within 45 days from the date of issue of LOA/ LOI- cum- Work Order, the employer/ Nigam reserves the right to cancel the LOA/ LOI and initiate the action for allotment to L-2 firm at L-1 rate or below.

However before the expiry of above mentioned 45 days the contractor may seek approval for grant of additional one month (maximum) on payment of the entire penalty amount for 45 days as mentioned above. The grant of one month will not entitle the firm to claim the extension of the scheduled completion time.

**8. Signing of contract: -**

Final contract agreements, in all respect, shall be signed within 15 days from the date of the Notification of the Award and return it to the Owner. In case, your firm fails to submit the Contract Agreements duly signed within 15 days from the date of issue of detailed contract, the payment will not be released till the submission of Contract Agreements and penalty @ 0.25% per week or a part thereof shall be deducted from your bill subject to maximum 1% of Contract value.

**9. Force Majeure: -**

As per Clause 44 of Conditions of Contract of Bid documents.

**10. Inspection and Testing: -**

The material shall be inspected as per provision in Clause- 20 of Conditions of Contract of Bid documents at the works of manufactures and all tests shall be carried out as per provision in Technical Specification before dispatch. The material shall not be dispatched until and unless the same is authorized for dispatch by UHBVN. All type test certificates shall be got approved as per GTP and Technical Specifications from this office before dispatch of material.

**11. Storage of Material: -**

The contractor shall store all the material/ equipment in a well maintained store at his own cost. All the services required for maintaining the stores shall be at the cost of the firm.

**12. Packing: -**

The material shall be packed before dispatch as per provision in Clause 33.5 of Conditions of Contract of the Bid Documents and packing Clause of Technical Specification.

**13. Warranty Period: -**

The warranty of equipments shall be for the period as per provisions made in the Technical Specifications of the Nigam from date of commissioning and where the warranty period has not been specified, the same shall be 12 months. The manufacturers of these materials should not be blacklisted by any SEB / Utility of any State of India. In case, it is found that the material supplied is from any blacklisting firm the same shall be out rightly rejected and the firm shall be liable to arrange the same at shortest period of time without any relaxation of extension in completion time.

**14. DEFECTS AFTER TAKING OVER: -**

- a) The contract shall warrant that the equipment will be new, unused and in accordance with contract documents, and free from defects in material and workmanship for a period as specified in the warranty clause of Technical specification (TS) from the date of commissioning. However, in case the warranty period is not defined in the TS of Nigam, the same is to be considered as 12 months from the date of commissioning. The contractor's liability shall be limited to the replacement of any defective part in the equipment of his own manufacture or those of his sub-contractors under normal use, and arising solely from faulty design, material and/or workmanship provided always that such defective parts are repairable at the site and are not in meantime essential in the commercial use of the equipment. Such replaced/defective parts shall be returned to the contractor unless otherwise arranged. No repairs of replacement shall normally be carried out by the owner when the equipment is under the supervision of contractors supervisory engineer. In case the firm/supplier/contractor fails to replace the damaged material within stipulated period of 45 days, interest @ 10% shall be charged on the value of the material remained blocked.

- b) In the event of any emergency, where in the judgment of the engineer, delay would cause serious loss of damages, repairs or adjustment be made by the owner or a third party chosen by the owner without advance notice to the contractor and cost of such works shall be paid by the contractor. In event, such action is taken by the Employer the contractor will be notified promptly and he shall assist in making necessary correction. This shall not relieve the contractor of his liabilities under the terms and conditions of the contractor.
- c) If it becomes necessary for the contractor to replace or renew any defective portions, the provision of this clause shall apply to portion of the works so replaced or renewed until the expiry of twelve months from the date of replacement/ renewal of the defective parts/ portion of work. If any defects are not remedied within reasonable time the owner may proceed to do the work at the contractor's risk and cost. But without prejudice to any other rights which the owner may have against the contractor in respect of such defects.
- d) The repaired or new parts will be furnished and erected free of cost by the contractor. If any repair is carried out on his behalf at the site the contractor shall bear the cost of such repairs.
- e) The cost of any special or general overhaul rendered necessary during the maintenance period due to defects in the equipment or defective work carried out by the contractor the same shall be borne by the contractor.
- f) The acceptance of the equipment by the owner shall in no way relieve the contractor of his obligations under this clause.
- g) In case of those defective parts, which are not repairable at site but are essential for the commercial operation of the equipment, the contractor and the owner shall mutually agree to a program of replacement or renewal, which will minimize interruptions to the maximum extent, in the operation of the equipment.
- h) At the end of the guarantee period the contractor's liability ceases except for latent defects (\*). For latent defects the contractor's liability as mentioned in clause No. 14 (a) through 14 (g) above shall remain till the end of three years from the date of completion of guarantee period.
- i) **The provisions contained in this clause will not be applicable;**  
If the owner has not used the equipment according to generally approved industrial practice and in accordance with the conditions or operation specified and in accordance with manuals, if any.  
In case of normal wear & tear of the parts to be specifically mentioned by the contractor in the offer.  
(\*). Latent defect shall mean such defects caused by faulty design, material or workmanship which cannot be detected during inspection, testing etc. based on the technology for carrying out such tests.

**15. QUANTITY VARIATION: -**

The employer reserves the right to increase or decrease the contract value or the quantity of Bid & Services specified without any change in unit price or other terms & condition during the execution of contract depending upon the final route plan/ actual execution required. The quantity of individual items may, therefore, vary as per final route plan and route profile of the line. The payment shall be made on actual basis for the material supplied and services rendered.

The Purchaser reserves the right to increase/ decrease the quantity/ value of works by 25% before the signing of contract and/ or during the currency of the contract at the same rate terms and conditions.

The quantity variation allowed shall be within  $\pm 25\%$  of contract value/works as a whole and not for each individual items.

**16. ERECTION CONTRACT: -**

Another contract for erection of material for 66 kV Towers & ACSR conductor under 'Op' Circle, Yamuna Nagar on turnkey basis has been placed upon you simultaneously. Any breach in the Contract of Erection of equipment/ material will automatically means breach of supply contract also.

**17. TESTS ON COMPLETION: -**

The same shall be governed as per clause-28-29 of the bid document.

**18. COMPLIANCE OF LAWS: -**

As per provision contained in clause 53 of conditions of contract of Bid documents, you will certified that you have complied with provisions of industrial and labour laws including provident fund/ ESI fund etc. as may be applicable.

**19. PROGRAMME: -**

As per clause No. 12 of the conditions of contract, you will submit program showing the general method, arrangement in the office CE/ PD&C, SE/ Construction and SE/ Civil.

**20. SETTLEMENT OF DISPUTES, ARBITRATION & BLACKLISTING OF THE FIRM: -**

The same shall be governed as per clause-55, 56 & 57 respectively of the bid document.

**21. WORK IN-CHARGE: -**

The work shall be got executed under the supervision of concerned XEN/ Const or XEN/ Civil Const. and his subordinates, falling under their jurisdiction.

You have agreed to all the terms and conditions as per I.T.B. and conditions of Contract and the Technical Specification i.e. Vol.-I, Vol.-II & Vol.-III of the Bid documents. Unless there is anything repugnant or contrary to context, all terms and conditions will be applicable as per I.T.B and conditions of the Contract and Technical Specifications of UHBVN i.e. Vol.-I, Vol.-II & Vol.-III of Bid No. B-581.

This is without prejudice to other terms & conditions as contained in the Bid document for Bid No. B-581.

Yours faithfully,

  
Superintending Engineer/ P&D,  
UHBVN, Panchkula.

Endst. No. Ch- ~~37~~/CE PDC/ SE PD/ XEN DD- III/ B-581/ 2019

Dated: - 28.05.2019

Copy of the above is forwarded to the following for information and necessary action please.

1. SPS to Chairman-cum-Managing Director, UHBVN & DHBVN, Panchkula for kind information of worthy CMD, please.
2. SPS to Director/ Tech-I, UHBVN, Panchkula for kind information of the Director, please.
3. CE/ PD&C, UHBVN, Panchkula.
4. CE 'Op' Circle, UHBVN, Panchkula.
5. SE/ Construction, Circle, UHBVN, Panchkula.
6. SE/ Civil Construction, Circle, UHBVN, Panchkula.
7. SE 'Op' Circle, UHBVN, Yamuna Nagar.
8. FA/ HQ, UHBVN, Panchkula.
9. FA/ PD&C, UHBVN, Panchkula.
10. XEN/ Const., Division, UHBVN, Karnal.
11. XEN/ Civil Const., Division, UHBVN, Panchkula.

This allotment carries the approval of HPPC (Nigam) of UHBVN on dated 27.05.2019 and issued after pre-audit from FA/ PD&C, UHBVN, Panchkula.

  
Superintending Engineer/ P&D,  
UHBVN, Panchkula.