



HIMACHAL PRADESH STATE ELECTRICITY BOARD LTD.
(A STATE GOVT. UNDERTAKING)

Registered Office:
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Dated: 19.04.2021

No. HPSEBL/ESDB/DB-114 (FCA)/2021-22- 228-62

To
The Divisional Forest Officer,
Suket Forest Division, Sundernagar,
Distt. Mandi (HP) (E-mail: dfosuk-hp@nic.in)

Subject: -
Diversion of forest land falling in ROW from Tower No. 46, 47, 48, 48A (Addl. Tower) to
Tower No. 49 of 132KV D/C Transmission Line Kangoo-Bijni-Bajoura coming in the project
alignment of four laning (Kiratpur Nerchowk Section)- Observations thereof.

Reference: Technical Officer, Integral regional Officer, Dehradun, MoEF & CC Letter No.
8B/HP/04/25/2021/FC/235 dated 26.03.2021 addressed to Nodal Officer cum APCCF (FCA), O/O
Pr. CCF, HP (HoFF) w.r.t letter No.Ft.48-5110/2020 (FCA) dated 08.03.2021

Sir,

With reference to observations received vide letter under reference, please find attached the
pointwise reply as under:-

Observation S. No. as per above referred letter	Reply
S.No.2	Checklist No. 6 & 7 in hard copy has been revised and component wise breakup has also been corrected in the online portal. HPPWD has 0.0202 hectares of land and BBMB has 0.0263 hectares of land which is non-forest land hence does not attract the provisions of FCA 1980.
S.No.4	The RoW for 132kV is 27 m and the document in this regard is enclosed for reference.

This is for kind information and necessary action at your end please.

DA: As above.

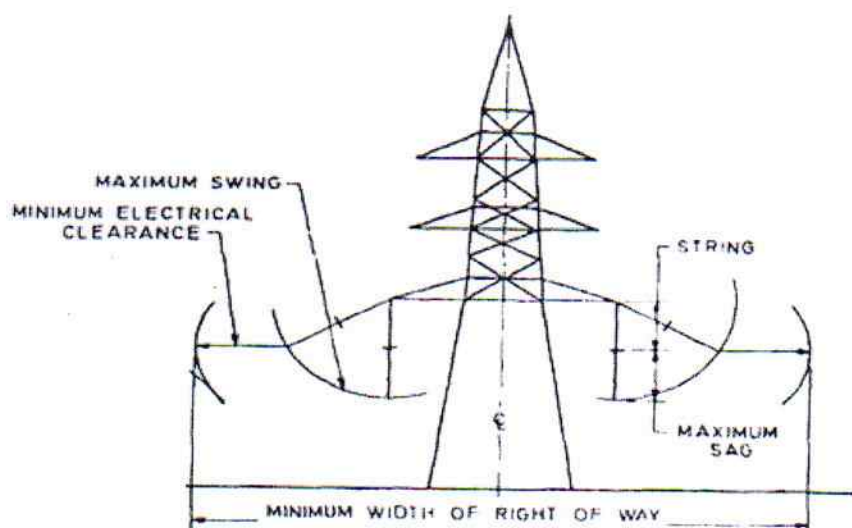
Yours Sincerely,

(Er. Virender Kumar)
Sr. Executive Engineer, ES Division,
HPSEB Ltd., Bilaspur (HP)

Copy to: -

1. The Chief Engineer, Electrical System, HPSEBL, Hamirpur (H.P.) kind information.
2. The Superintending Engineer, ES Circle, HPSEBL, Hamirpur (H.P.) kind information.
3. The Assistant Engineer, 220KV S/Str. Const. S/Div. No. II, HPSEBL, Kangoo for information and n/a.
4. Shri Naresh Kumar (FCA Consultant), VPO Ner Chowk, Tehsil Balh, Distt. Mandi (HP) for information and n/a.

(Er. Virender Kumar)
Sr. Executive Engineer, ES Division,
HPSEB Ltd., Bilaspur (HP)



4.3 As per current practice, the width of RoW / corridor requirement for the transmission lines of different voltage levels are as follows.

Table -1

Voltage Level	Corridor Requirement (m)
66kV AC	18
110kV AC	22
132kV AC	27
220kV/230 kV AC	35
400kV AC Single Circuit (Horizontal configuration)	52
400kV AC Double Circuit / 400kV S/C (Vertical / delta configuration)	46
765kV AC Single Circuit (Horizontal configuration)	85
765kV AC Single Circuit (Delta / Vertical configuration)	64
765kV AC Double Circuit	67
1200kV AC	89
+/- 500kV HVDC	52
+/- 800kV HVDC	69

The current practice in India for RoW width / corridor requirement of transmission lines for various voltage level is more or less similar to worldwide practice.

Signature

No. 3/4/2016-Trans
Government of India
Ministry of Power
Shram Shakti Bhawan, Rafi Marg, New Delhi – 110001

Dated, 16th July, 2020

To

1. Chief Secretaries/ Administrators of all the States/UTs.
2. Chairperson, CEA, New Delhi- with a request to disseminate the above guidelines to all the stakeholders.
3. CMD, PGCIL, Gurgaon.
4. CMD, POSOCO, New Delhi.
5. Secretary, CERC, New Delhi.
6. CMD of State Power Utilities/ SEBs

Subject: Guidelines for payment of compensation in regard to Right of Way (RoW) for transmission lines in urban areas.

Sir,

In order to facilitate early resolution of Right of Way (RoW) issues for laying of transmission lines, Ministry of Power vide OM No. 3/7/2015-Trans dated 15th October, 2015 had issued the guidelines for payment of compensation towards damages with regard to Right of Way for transmission lines. The guidelines inter-alia had recommended compensation for 85% of the land value for tower footing and upto 15% of the land value for RoW of the line for transmission system of 66 kV and above voltage level. The above guidelines were communicated by the Ministry of Power to Chief Secretaries of all the States with the request to take suitable decision regarding adoption of the guidelines considering that acquisition of land is a state subject.

2. During a review meeting of critical transmission lines, taken by Secretary (Power), Govt. of India on 19.7.2016, it was inter alia decided to constitute a Committee under the chairmanship of Additional Secretary, Ministry of Power to analyse the issues relating to RoW for laying of transmission lines in the urban areas of the country and to suggest a methodology for payment of compensation on this account. The Committee held several meetings to obtain the views of State Governments on the issue and submitted its Report along with the recommendations (copy of the Report is at **Annex-I**).

3. The recommendations made by the above Committee are hereby formulated in the form of following guidelines for determining the compensation in "Urban Areas" towards "damages" as stipulated in section 67 and 68 of the Electricity Act, 2003 read with Section 10 and 16 of Indian Telegraph Act, 1885, which will be in addition to the compensation towards normal crop and tree damages:

- i. Compensation @ 85% of land value as determined by District Magistrate or any other authority based on circle rate/ Guidelines value / Stamp Act rates for tower base area (area bounded by concrete as visible from outside of four legs of the towers) impacted severely due to installation of tower / pylon structure.
- ii. Compensation towards diminution of land value in the width of Right of Way (RoW) Corridor due to laying of transmission line and imposing certain restriction would be decided by the States as per categorization/ type of land in different places of States, subject to a maximum of 15 % of land value as determined based on Circle rate /Guidelines value/ Stamp Act rates.

General


Sr. Executive Engineer
Electrical System Division,
SEEL Bilaspur (HP)

- iii. In addition to the provisions mentioned at Para 3(i) and (ii) above, additional compensation in form of **Non-Usability allowance** up to 15% of the land value for the width of RoW corridor would be applicable in the notified urban areas. No construction activity of any kind would be permitted under the RoW of the transmission line.
- iv. For compensation pupose, the width of RoW corridor shall not be more than that prescribed in the Table 3 (summarized) in the **Annex-I** and for tower base, the compensation shall be paid for actual base width of tower (area bounded by concrete as visible from outside of four legs of the towers). The indicative base width of tower is given under column (12) in Table-3 (Detailed) of **Annex-I**.
- v. While making choice of technology to be used for laying of transmission lines in RoW constraint area, various technological options needs to be assessed keeping in view the reduction in RoW, feasibility of implementation, overall cost of laying the line. A tentative Cost matrix of the available technologies is attached as **Annex-II**. The same can be referred by the implementation agencies keeping in view the cost benefit aspects.
- vi. Payment of compensation shall be done through various digital modes of payment such as AADHAR enabled payment system (AEPS), Unified Payment Interface (UPI) etc. where feasible.
- vii. The payment towards compensation for RoW in urban areas would be onetime/upfront. In case of any other arrangement for payment of compensation, the same needs to be notified by individual states.

Note: For the purposes of these guidelines, Urban Area is defined as all places with a municipality, corporation, cantonment board or notified town area committee etc

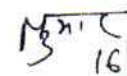
4. The above compensation amount will be payable only for transmission lines supported by a tower base of 66 KV and above, and not for sub-transmission and distribution lines below 66 KV in notified Urban Areas.

5. Necessary action may kindly be taken accordingly. These guidelines would not only facilitate an early resolution of RoW issues in urban areas but also facilitate completion of the vital transmission lines in urban areas through active support of Statel UT administration.

6. All the States/UTs etc are requested to take suitable decision regarding adoption of the guidelines considering that "Land" is a State subject.

Encl.: As above

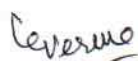
Yours faithfully,


16/7/20

(Tanmay Kumar)
Joint Secretary (Trans)

Copy, along with enclosure, forwarded to the following:

1. Secretaries to the Government of India.
2. Prime Minister's Office.
3. Technical Director, NIC, Ministry of Power- with the request to host subject Guidelines on the website of Ministry of Power.
4. Copy to PS to Hon'ble MoSP (IC) / Secretary (Power) / AS (SKGR) / AS (SM) / AS&FA / All Joint Secretaries/ EA/ All Directors/DSs, Ministry of Power.




Sr. Executive Engineer
Electrical System Division,
HPSEBL Bilsapur (HP)

Code: Indian Electricity Rules / Central Electricity Authority

Right of Way Clearance (As per GETCO Standard)

KV	Min ROW
66 KV	18 Meter
132 KV	27 Meter
220 KV	35 Meter
400KV	52 Meter (Single Circuit)
400 KV	48 Meter (Double Circuit)

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Minimum clearances between Electrical Lines crossing each other

Voltage	66 KV	132 KV	220 KV	400 KV
66 KV	2.4 Meter	3 Meter	4.5 Meter	5.4 Meter
132 KV	3 Meter	3 Meter	4.5 Meter	5.4 Meter
220 KV	4.5 Meter	4.5 Meter	4.5 Meter	5.4 Meter
400 KV	4.5 Meter	5.4 Meter	5.4 Meter	5.4 Meter


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Permissible Min ground Clearance of Electrical Line

KV	Ground Clearance	Over National Highway
66 KV	6.1 Meter	8.0 Meter
132 KV ✓	6.1 Meter ✓	8.6 Meter ✓
220 KV	7.0 Meter	9.8 Meter
400KV	8.8 Meter	10.8 Meter

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Clearance for Telephone line Crossings Power Line


Sr. Executive Engineer
Electrical System Division,
HPTCL Bhaskar (MP)

**FULL TITLE OF PROJECT :- CONSTRUCTION OF FALLING IN ROW FROM TOWER NO. 46,
47,48,48A (ADDLE. TOWER) TO TOWER NO. 49 OF 132 KV D/C TRANSMISSION LINE
KANGOO-BIJINI-BAJOURA COMING IN THE PROJECT ALIGNMENT OF FOUR LINING
(KIRATPUR NERCHOWK SECTION)**

File No. :- FP/HP/ROAD/ 49351/2020

Date of Proposal :- 02-09-2020


CHECK LIST SERIAL NO-06

STATEMENT SHOWING DETAIL OF FOREST AREA.

PROPOSED FOR DIVERSION

S.No	Distt	Division	Range / Tehsil / Distt./ Vill.	Khasra / Survey or compartment	Forest area proposed for diversion (hact.	Legal status of forest area.	Remarks
1	Mandi	Suket	Dohdu/30	407/1	0.0044	Gair mumkin Rasta	Corridor
2			Dohdu/30	478/1	0.035	Charagah Bila Darkhtaan	Corridor
3			Dohdu/30	481/1	0.0105	Gair mumkin Kuhal	Corridor
4			Dohdu/30	773/1	0.0813	Charagah Bila Darkhtaan	Corridor
5			Dohdu/30	822/1	0.0647	Gair mumkin Khad	Corridor
			Total	Kitta/06	0.1959 HA		
6			Derdu/34	127/1	0.0636	Gair mumkin Khad	Corridor
7			Derdu/34	130/1	0.0109	Gair mumkin Rasta	Corridor
			Total	Kitta/02	0.0745 HA		
			Grand Total	Kitta/09	0.2704 HA		

Forest Land = 0.2704 HA


Sr.Executive Engineer,
Electrical System Division
HPSEBL, Bilaspur.

FULL TITLE OF PROJECT :- CONSTRUCTION OF FALLING IN ROW FROM TOWER NO. 46, 47, 48, 48A (ADDLE. TOWER) TO TOWER NO. 49 OF 132 KV D/C TRANSMISSION LINE KANGOO-BIJINI-BAJOURA COMING IN THE PROJECT ALIGNMENT OF FOUR LINING (KIRATPUR NERCHOWK SECTION)

File No. :- FP/HP/ROAD/ 49351/2020

Date of Proposal :- 02-09-2020

**CHECK LIST SERIAL NO-07
STATEMENT SHOWING DETAIL OF NON FOREST AREA.
PROPOSED FOR DIVERSION**

S.No.	Distt.	Division	Range / Tehsil / Vill.	Khasra / Survey or compartment	Non Forest area Involved in the proposal (hact.)	Present Land Use	Remarks
1	Mandi	Suket	Dohdu/30	830/412/1	00-03-01	Private Land	Tower
2			Dohdu/30	832/413/1	00-02-08	Private Land	Corridor
3			Dohdu/30	1293/411/1	00-01-16	Private Land	Corridor
4			Dohdu/30	1273/379/1	00-02-11	Private Land	Corridor
5			Dohdu/30	1259/379/1	00-04-00	Private Land	Corridor
6			Dohdu/30	1242/379/1	00-06-17	Private Land	Corridor
7			Dohdu/30	410/1	00-01-06	Private Land	Corridor
8			Dohdu/30	409/1	00-03-00	Private Land	Corridor
9			Dohdu/30	408/1	00-01-16	Private Land	Corridor
10			Dohdu/30	889/406/1	00-08-03	Private Land	Corridor
11			Dohdu/30	390/1	00-02-05	Private Land	Corridor
12			Dohdu/30	389/1	00-09-17	Private Land	Corridor
13			Dohdu/30	482/1	00-03-16	Private Land	Corridor
14			Dohdu/30	492/1	00-09-06	Private Land	Corridor
15			Dohdu/30	491/1	01-01-04	Private Land	Corridor
16			Dohdu/30	490/1	00-04-13	Private Land	Corridor
17			Dohdu/30	487/1	00-01-14	Private Land	Corridor
18			Dohdu/30	489/1	01-12-04	Private Land	Corridor
19			Dohdu/30	488/1	01-00-04	Private Land	Corridor
20			Dohdu/30	984/507/1	00-18-00	Private Land	Corridor
21			Dohdu/30	512/1	00-19-06	Private Land	Corridor
22			Dohdu/30	837/513/1	01-12-04	Private Land	Corridor
23			Dohdu/30	838/513/1	01-14-08	Private Land	Corridor
24			Dohdu/30	839/514/1	00-16-12	Private Land	Corridor
25			Dohdu/30	840/514/1	01-10-02	Private Land	Corridor
26			Dohdu/30	794/1	00-18-06	Private Land	Corridor
27			Dohdu/30	794/2	00-19-19	Private Land	Corridor
28			Dohdu/30	792/1	00-15-10	Private Land	Corridor
29			Dohdu/30	790/1	00-12-18	Private Land	Corridor
30			Dohdu/30	875/761/1	01-06-09	Private Land	Corridor
31			Dohdu/30	760/1	01-11-09	Private Land	Corridor
32			Dohdu/30	766/1/1	00-17-18	Private Land	Corridor
			Dohdu/30	766/1	00-05-00	HPPWD Land	Corridor
33			Dohdu/30	765/1	01-10-09	Private Land	Corridor
34			Dohdu/30	774/1	00-17-18	Private Land	Corridor
			Derdu/34	126/1	00-06-10	BBMB Land	Corridor
35			Derdu/34	128/1	00-00-16	Private Land	Corridor
36			Derdu/34	129/1	01-00-18	Private Land	Corridor
37			Derdu/34	130/1	00-10-12	Private Land	Corridor
38			Derdu/34	137/1	00-07-18	Private Land	Corridor
39			Derdu/34	135/1	00-04-14	Private Land	Corridor
40			Pungh/26/7	3571/36/1	00-26-00	Private Land	Tower
			Grand Total	Kitta/40	28-10-17	Bigha	

Construcation of Non Forest Land

2.3091 Hact.

**Sr.Executive Engineer,
Electrical System Division
HPSEBL, Bilaspur.**