

**Address**

Van Bhawan, Below Gurnat, Jammu-180001  
 Phone: 0191-2560585, 2548307, Fax: 0191-2547275  
 Forest Complex, Sheikh Bagh, Lal Chowk, Sgr: 190001  
 Phone: 0194-2484939, 2483937, Fax: 0194-2459927

URL Address: www.jkforest.gov.in  
 E-mail: jkforest@gmail.com  
 cdfcaj1@gmail.com

**Jammu & Kashmir Forest Department**  
**Office of the Pr. Chief Conservator of Forests & HoFF,**  
**Government of Jammu & Kashmir**



**The Commissioner/Secretary to Government,**  
**Department of Forests, Ecology and Environment,**  
**Civil Secretariat, Jammu**

No. PCCF/FCA/3383/ 6196-97

Dated 30-12-2022

**Sub: Diversion of 4.37 Ha forest land for construction of 132 KV D/C Ramban Sangaldan transmission line for providing power supply to Konkan railway, UT of Jammu & Kashmir-reg.**

**Ref:**

- i. Integrated Regional Office, MoEF&CC Jammu's communication No. 9-JKB-052/2022-Jammu dated October, 2022.
- ii. Online proposal bearing no. FP/JK/TRANS/145320/2021 received on dated 07.09.2022

Sir,

This is with reference to the above proposal. In response to the observations of the REC, MoEF&CC Jammu, the requisite documents have been uploaded by user agency and DFOs of Ramban and Batote Forest Divisions. The point wise detail is given as under:-

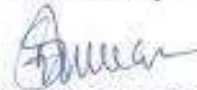
Sr. No.	Content of the EDS	Action taken
i.	Need to revise DGPS map pdf of project site, because the highlighted green colour latitude/longitude are not visible and due to this verification of projects site is incomplete	Revised DPGS map of project site has been uploaded by user agency under column C(iv) in Part-I
ii	NPV calculation sheet of Batote Forest Division is not in accordance with the Vegetation density uploaded under 4(i). Hence, it needs to be revised	Revised NPV calculation has been uploaded by DFO Batote in Part-II at Sr.No.3 (additional documents)
iii	DFO is required to submit Impact mitigation plan for the wildlife mentioned under part-II duly vetted by the competent authority in Wildlife wing	Impact mitigation plan for the wildlife mentioned under part-II duly vetted by the competent authority in Wildlife wing has been uploaded at Sr.No.8 (additional documents)

iv

There is violation reported by the DFO, Ramban. The State Govt. is required to verify if the violation was committed before applying for seeking the clearance under Forest Conservation Act, 1980. If the act of violation was done after applying for seeking approval under FC Act, this will fit into the case, where the proposal under FC Act is under consideration and forest land is diverted before grant of FC. Hence, the State Govt. will initiate disciplinary action against official concerned as per provision of 1.21 (ii)c and will prosecute the User agency for violation under local act of the State for unauthorised use of forest land without the permission of the State Authority as per 1.21 (ii)d of the Handbook of Forest (Conservation) Act, 1980 and Forest Conservation Rules, 2003 (Guidelines and clarifications), 2019 of MoEF&CC. A report for action taken needs to be submitted.

Action taken report has been uploaded by DFO Ramban at Sr.No. 3 (additional documents) in Part-II.

Yours faithfully



(S.Senthil Kumar) IFS  
Chief Conservator of Forests  
Nodal Officer (FCA)

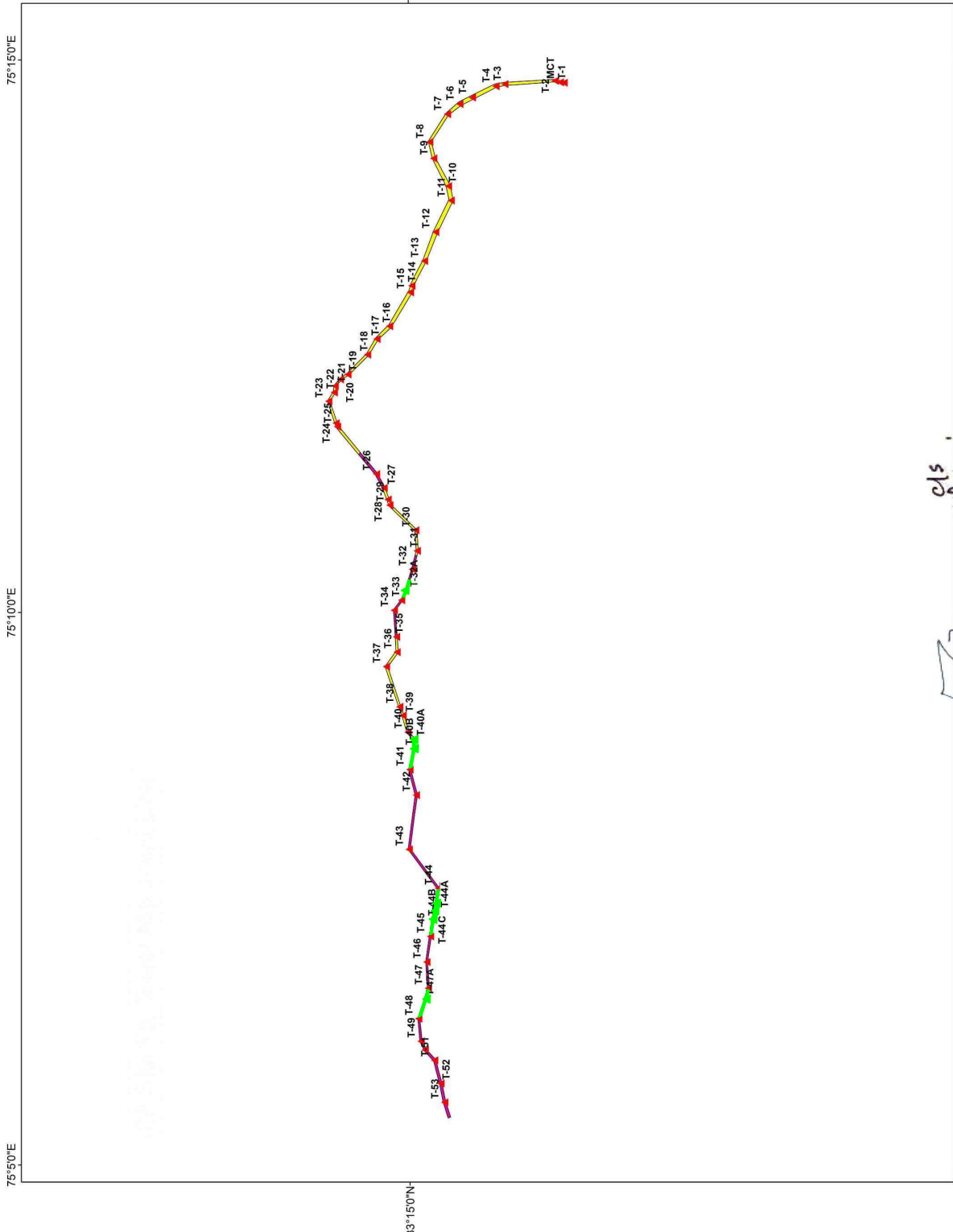
27/28/12/22

Copy to: The Regional Officer, Integrated Regional Office, Ministry of Environment, and Forest & Climate Change Jammu for information. This is with reference to above communication on the subject.

# Georeference Map

GT Sheet No 43 O/3 and 43 O/4

Name	Longitude	Latitude
T-1	75° 14.582' E	33° 13.617' N
T-10	75° 13.849' E	33° 14.689' N
T-11	75° 13.719' E	33° 14.677' N
T-12	75° 13.434' E	33° 14.795' N
T-13	75° 13.172' E	33° 14.690' N
T-14	75° 12.982' E	33° 14.977' N
T-15	75° 12.893' E	33° 14.995' N
T-16	75° 12.806' E	33° 15.002' N
T-17	75° 12.707' E	33° 15.243' N
T-18	75° 12.589' E	33° 15.514' N
T-19	75° 12.150' E	33° 15.464' N
T-2	75° 14.801' E	33° 13.884' N
T-20	75° 12.106' E	33° 15.521' N
T-21	75° 12.046' E	33° 15.561' N
T-22	75° 11.987' E	33° 15.699' N
T-23	75° 11.928' E	33° 15.837' N
T-24	75° 11.869' E	33° 15.854' N
T-25	75° 11.810' E	33° 15.844' N
T-26	75° 11.748' E	33° 15.248' N
T-27	75° 11.122' E	33° 15.191' N
T-28	75° 11.018' E	33° 15.161' N
T-29	75° 10.987' E	33° 15.147' N
T-3	75° 14.772' E	33° 14.267' N
T-30	75° 10.899' E	33° 14.951' N
T-31	75° 10.830' E	33° 14.951' N
T-32	75° 10.885' E	33° 14.976' N
T-33	75° 10.105' E	33° 15.659' N
T-34	75° 10.014' E	33° 15.119' N
T-35	75° 9.774' E	33° 15.098' N
T-36	75° 9.635' E	33° 15.094' N
T-37	75° 9.505' E	33° 15.175' N
T-38	75° 9.366' E	33° 15.175' N
T-39	75° 9.092' E	33° 15.049' N
T-4	75° 14.753' E	33° 14.335' N
T-40	75° 8.912' E	33° 15.012' N
T-41	75° 8.847' E	33° 14.669' N
T-42	75° 8.792' E	33° 14.668' N
T-43	75° 8.572' E	33° 14.999' N
T-44	75° 8.311' E	33° 14.990' N
T-45	75° 8.172' E	33° 14.990' N
T-46	75° 7.897' E	33° 14.933' N
T-47	75° 7.826' E	33° 14.933' N
T-48	75° 7.567' E	33° 14.933' N
T-49	75° 7.317' E	33° 14.933' N
T-5	75° 6.119' E	33° 14.916' N
T-50	75° 14.650' E	33° 14.514' N
T-51	75° 6.033' E	33° 14.884' N
T-52	75° 5.940' E	33° 14.812' N
T-53	75° 5.735' E	33° 14.765' N
T-54	75° 5.603' E	33° 14.795' N
T-55	75° 5.487' E	33° 14.795' N
T-56	75° 5.267' E	33° 14.802' N
T-57	75° 5.150' E	33° 14.802' N
T-58	75° 5.034' E	33° 14.802' N
T-59	75° 4.817' E	33° 14.802' N
T-6	75° 14.269' E	33° 14.539' N
T-7	75° 14.100' E	33° 14.509' N
T-8	75° 14.100' E	33° 14.509' N
T-9	75° 14.100' E	33° 14.509' N
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T-17	75° 14.100' E	33° 14.509' N
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T-64	75° 14.100' E	33° 14.509' N
T-65	75° 14.100' E	33° 14.509' N
T-66	75° 14.100' E	33° 14.509' N
T-67	75° 14.100' E	33° 14.509' N
T-68	75° 14.100' E	33° 14.509' N
T-69	75° 14.100' E	33° 14.509' N
T-70	75° 14.100' E	33° 14.509' N
T-71	75° 14.100' E	33° 14.509' N
T-72	75° 14.100' E	33° 14.509' N
T-73	75° 14.100' E	33° 14.509' N
T-74	75° 14.100' E	33° 14.509' N
T-75	75° 14.100' E	33° 14.509' N
T-76	75° 14.100' E	33° 14.509' N
T-77	75° 14.100' E	33° 14.509' N
T-78	75° 14.100' E	33° 14.509' N
T-79	75° 14.100' E	33° 14.509' N
T-80	75° 14.100' E	33° 14.509' N
T-81	75° 14.100' E	33° 14.509' N
T-82	75° 14.100' E	33° 14.509' N
T-83	75° 14.100' E	33° 14.509' N
T-84	75° 14.100' E	33° 14.509' N
T-85	75° 14.100' E	33° 14.509' N
T-86	75° 14.100' E	33° 14.509' N
T-87	75° 14.100' E	33° 14.509' N
T-88	75° 14.100' E	33° 14.509' N
T-89	75° 14.100' E	33° 14.509' N
T-90	75° 14.100' E	33° 14.509' N
T-91	75° 14.100' E	33° 14.509' N
T-92	75° 14.100' E	33° 14.509' N
T-93	75° 14.100' E	33° 14.509' N
T-94	75° 14.100' E	33° 14.509' N
T-95	75° 14.100' E	33° 14.509' N
T-96	75° 14.100' E	33° 14.509' N
T-97	75° 14.100' E	33° 14.509' N
T-98	75° 14.100' E	33° 14.509' N
T-99	75° 14.100' E	33° 14.509' N
T-100	75° 14.100' E	33° 14.509' N



Legend	
<span style="color: green;">█</span>	Forest
<span style="color: yellow;">█</span>	AD Forest
<span style="color: red;">█</span>	Non Forest
<span style="color: red;">▲</span>	Towers

Divisional Forest Officer  
 Ramba  
 Divisional Forest Officer  
 Ramba

Divisional Forest Officer  
 Ramba  
 Divisional Forest Officer  
 Ramba

Divisional Forest Officer  
 Ramba  
 Divisional Forest Officer  
 Ramba

FP/JK/TRANS/145320/2021

CALCULATION SHEET OF NET PRESENT VALUE OF FOREST LAND TO BE DIVERTED TO  
EXECUTIVE ENGINEER, TLMD-3 UDHUMPUR FOR CONSTRUCTION OF 132 KV TL RAMBAN-  
GOOL SANGALDAAN AS ADDITIONAL LAND..

S. No	Division	Comptt No	Forest Area (in Ha)	Canopy Density	Eco-Class	NPV Rate (Lac Rs / Ha)	NPV Amount (Rs in Lacs)	Remarks
1	2	3	4	5	6	7	8	9
1	Batote	54/G	0.540	0.3	V	1005210	542813	
2		55/G	0.135	0.6	V	1292850	174535	
3		56/G	0.267	0.6	V	1292850	345579	
4		57/G	0.405	0.3	V	1005210	407110	
	<b>Total</b>		<b>1.347</b>				<b>1470037</b>	



Range Officer  
Gandhri Forest Range  
Gandhri



(Kuldeep Singh) JKFS  
Divisional Forest Officer  
Batote Forest Division  
Batote



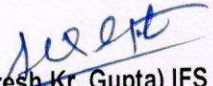
Boulevard Road, Near Lalit Grand Palace, Srinagar – 190001 Tel/Fax No: 0194-2501069  
Manda - Hills (Near Ashoka Hotel) Jammu – 180005.  
Tele/Fax: 0191-2572570  
Website: [www.jkwildlife.com](http://www.jkwildlife.com)  
Email: [jkwildlife78@gmail.com](mailto:jkwildlife78@gmail.com)  
[jkwildlife72@gmail.com](mailto:jkwildlife72@gmail.com)

**GOVERNMENT OF JAMMU & KASHMIR**  
**OFFICE OF THE PR. CHIEF CONSERVATOR OF FORESTS (WILDLIFE)/**  
**CHIEF WILDLIFE WARDEN**

**Subject: Proposal for Diversion of 4.37 Ha of forest land for construction of 132 KV/ D/C Ramban Sangaldan transmission line for providing power supply to Konkan Railway, District Ramban, UT of Jammu and Kashmir (Online proposal No. FP/JK/TRANS/145320/2021)**

The Mitigation plan for Wildlife proposed with respect to transmission line mentioned in the subject, as prepared by the User Agency in consultation with Divisional Forest Officer, Ramban Forest Division, Divisional Forest Officer, Forest Division Botote, and Wildlife Warden, Chenab Division, Kishtwar has been examined and found to have the necessary components i.e. Vertical distance of 4 meters approximately between two conductors to avoid electrocution of large winged birds/ Bird diverter/coloured/ contrast marker devices for making it visible to birds from long distances/ Bird guard on towers to prevent sitting of birds on insulator strings and proper barricades and fence to prevent accidental falling of mammals in the vicinity of construction sites. The said mitigation plan for Wildlife is as such approved subject to following conditions:-

1. Divisional Forest Officer, Ramban Forest Division, shall ensure that all provisions as specified in the mitigation plan are constructed by the user Agency.
2. No harm to any Wildlife species shall be done, if found accidentally in the project area.
3. The User Agency shall keep Vertical distance of 4 meters approximately between two conductors to avoid electrocution of large winged birds/ Bird diverter/coloured/ contrast marker devices for making it visible to birds from long distances/ Bird guard on towers to prevent sitting of birds on insulator strings and proper barricades and fence to prevent accidental falling of mammals in the vicinity of construction sites at critical Wildlife passage areas to be specified by the concerned Wildlife Warden.
4. Divisional Forest Officer, Ramban Forest Division, shall ensure that all the provisions made in the mitigation plan are strictly executed by the User Agency.
5. The User Agency shall be responsible for obtaining requisite clearances under any other law in vogue.

  
(Suresh Kr. Gupta) IFS  
Pr.Chief Conservator of Forests (Wildlife)/  
Chief Wildlife Warden, J&K

No. WLP/Tech/2022-23/ 595-80

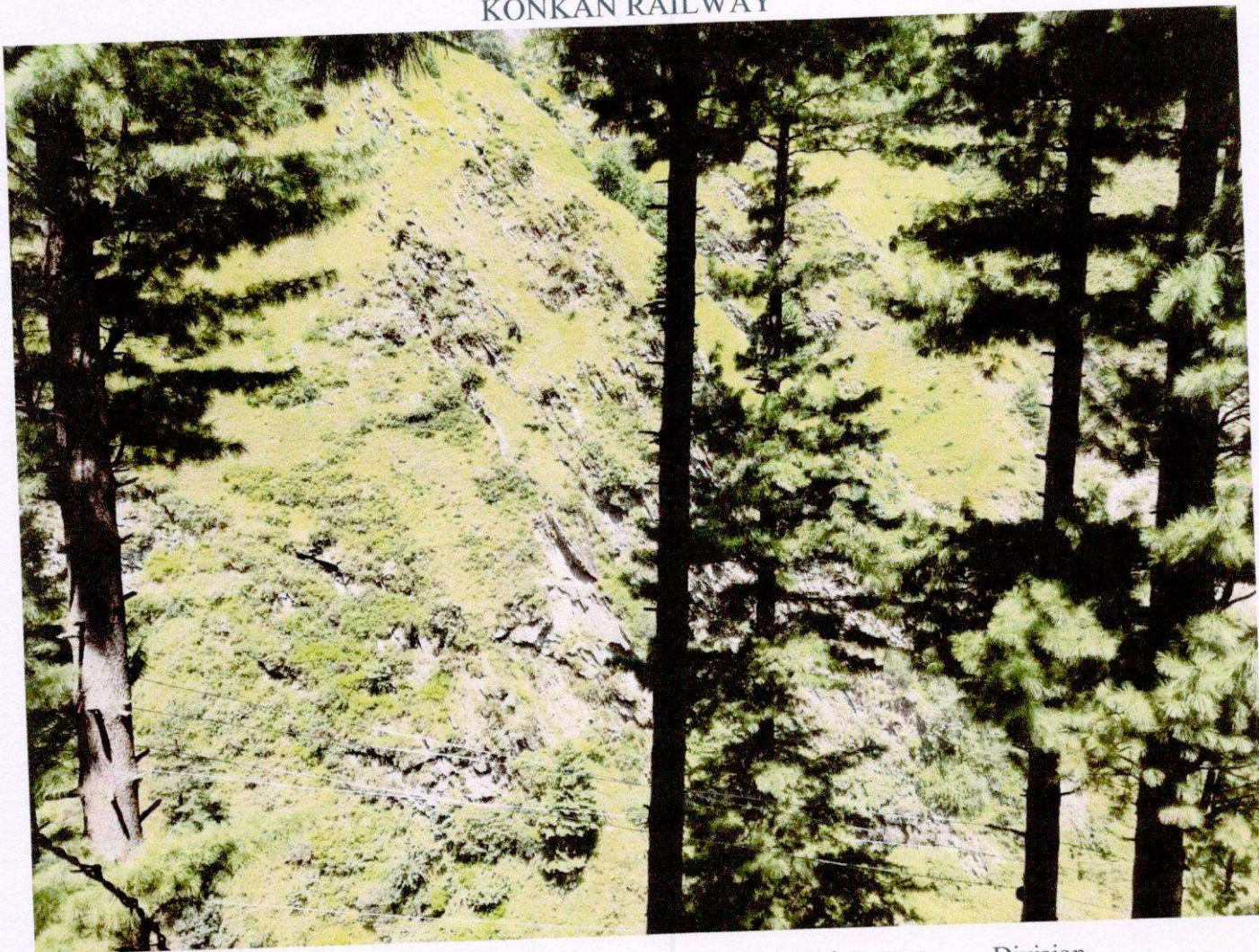
Dated. 30.11.2022

1. Copy for information and necessary action to the:-
  2. Chief Conservator of Forest (FCA), Nodal Officer in the o/o the Pr. Chief Conservator of Forests &HoFF. Regional Wildlife Warden, Jammu. This is in reference to his No: RWLWJ/2022/4706-07 dated: 21-11-2022.
  3. Chief Engineer, Power Development Department, System & Operation Wing, Jammu.
  4. Divisional Forest Officer, Ramban Forest Division. This is in reference to his No. RFD/FCA/22-23/6920 dated 16.11.2022.
  5. Divisional Forest Officer, Botote Forest Division.
  6. Wildlife Warden, Chenab Division, Kishtwar. This is in reference to his No. WLWktr/2022-23/1965 dated 17.11.2022.
- Executive Engineer, TLMD-II, Transmission line, Udhampur.

# “WILDLIFE MITIGATION PLAN”

FOR

CONSTRUCTION OF 132 KV D/C RAMBAN SANGALDAN  
TRANSMISSION LINE FOR PROVIDING POWER SUPPLY TO  
KONKAN RAILWAY



IMPLEMENTING AGENCY

Transmission Line Maintenance Division-  
III (TMLD) Udhampur JAMMU AND KASHMIR  
STATE POWER DEVELOPMENT CORPORATION  
LIMITED (JKSPDC)

Executive Engineer,  
TMLD-III, JKSPDC, Udhampur  
Transmission Line Maintenance Division-III,  
Udhampur

*Balraj*  
D.F.O. Batote  
Forest Divn. Batote

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

*[Signature]*  
Wildlife Warden  
[illegible]

# Government of Jammu & Kashmir

## POWER DEVELOPMENT DEPARTMENT SYSTEM & OPERATION WING JAMMU

### REVISED PROJECT REPORT FOR CONSTRUCTION OF 132 KV D/C TRANSMISSION LINE FROM RAMBAN TO SANGALDAN FOR PROVIDING POWER SUPPLY TO UPCOMING GRID SUB-STATION OF KRCL AT SANGALDAN

10/11/2016

#### Application for obtaining Techno Economic Clearance

- |   |   |
|---|---|
| 1. Name of project.   | Revised Project report for construction of 132 KV D/C Transmission line from Ramban to sangaldan for providing power supply proposed Grid station of KRCL at Sangaldan. |
| 2. Authority to accord Techno Economical Clearances                       | Techno. Economic Committee.   |
| 3. Status of  |   |
| a. PTCC Clearance   | NA  |
| b. Forest Clearance   | NA  |
| c. Clearance of Pollution Control Board and other clearance if, required. | Not required  |
| 4. Particulars of the project.  |   |
| a) Scope of Project.  | construction of 17.58 KM, 132 KV D/C Transmission line from Ramban to sangaldan for providing power supply proposed Grid station of KRCL at Sangaldan.                  |
| b) Estimated Cost.  | Rs. 2418.56 lacs.   |


Executive Engineer,  
T.M.D-II, KRCL, Engineer  
Transmission Line Section, Div-III,  
Udhampur

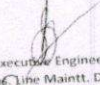
D.F.O. Batote  
Forest Divn. Batote


Divisional Forest Officer  
Ramban Forest Division  
Ramban

- c) If the project is revised, given the following information.
- i) Scope of project anticipated originally  
construction of 132 KV D/C Transmission line from Ramban to sangaldan for providing power supply proposed Grid station of KRCL at Sangaldan
  - ii) Estimated cost envisaged originally  
Rs. 1187.38 lacs
  - iii) PDD Who have originated the project report.  
System & Operation wing Jammu.
  - iv) Reference of letter regarding  
Not Applicable yet
  - v) Status of work  
Yet to start
  - vi) State if the revision in estimated costs has been done in respect of un-executed items of material equipment/work only.  
YES
- d) If the scheme proposed in 11<sup>th</sup> Five Year plan  
N.A
- e) Year-wise phasing of Exp.  
Subject to availability of funds


- f) Necessity of the Project/Justification for revision.  
The revision of project is based on the Latest survey conducted for laying of tr. Line from Ramban to sangaldan line.
- g) System study if done.  
Yes
- 5. Salient features of the project  
Enclosed
- 6. Technical particulars.  
Enclosed
- Documents/Drawing attached (give list documents drawing attached) such as
- 7. Geological report profile of the line / Tower and its foundation drawing single line diagram/layout plant cross section details of Grid Station  
Enclosed
- 8. Any other additional information/documents necessary for assessing project report.
- 9. Date of Start.  
.....


  
Asstt. Ex. Engineer

  
Executive Engineer,  
Trans. Line Maintt. Div. III  
Jammu

  
Superintending Engineer,  
System & Operations circle-I  
Jammu

Chief Engineer,  
System & Operation Wing  
Jammu.

  
Executive Engineer,  
TLMD-II, Jammu  
Transmission Line Maintt. Div-III,  
Jammu

  
D.F.O. Batote  
Forest Divn. Batote

  
Divisional Forest Officer  
Ramban Forest Division  
Ramban



INTRODUCTION AND NECESSITY FOR REVISION OF THE PROJECT :-

M/S Konkan Railway Corporation Ltd. Started execution of Udhampur-Srinagar-Baramulla-Rail Link Project on behalf of Northern Railway and had approached the Jammu and Kashmir Power Development Department in the year 2006 for meeting out their power requirement which includes the providing of 132 KV D/C power supply for their upcoming railway traction sub-station at Sangaldan . A meeting was convened in the office chamber C.E. EM&RE Wing Jammu on 27-10-2006 which was attended by the Engineers from KRCL, Chief Engineer S&O Wing Jammu, Superintending Engineer S&O Cr-I Jammu, Executive Engineer TLMD-III Udhampur alongwith other concerned PDD authorities. In the meeting proposals were discussed to meet out the power requirements of KRCL. On the basis of minutes issued by the Chief Engineer Electrical (Projects) vide his number KR/CO/EL/10/10/5 DATED 1-11-2006, it was requested by KRCL to provide power as per their requirement from Udhampur end and proposal contained therein the augmentation of 120 MVA, 220/132 KV Transformer Bank to 150 MVA, Construction of 2 no 132 KV Feeding bays at G/S udhampur for evacuation of power upto Barala , Construction of 132 KV D/C Udhampur -Barala Tr. Line, Construction of 2x20 MVA Grid Station at Barala .

Later on this proposal got reviewed by the KRCL and had requested to provide them power for their proposed Grid station at Sangaldan from Proposed Grid station at Ramban to be constructed by the JKPDD under PMRP by way of constructing two no. 132 KV feeding bays at upcoming Grid station Ramban and evacuation of power through 132 KV D/C Ramban- sangaldan tr. Line upto their proposed Grid substation at Sangaldan.

Executive Engineer,  
TLMD-III, Jammu  
Transmission Division, Div-III,  
Udhampur

*Chenab*  
Wildlife Warden  
Chenab Kishtwar

*Batote*  
D.F.O. Batote  
Forest Diva. Batote

*Ramban*  
Divisional Forest Officer  
Ramban Forest Division  
Ramban

Accordingly a DPR was framed by this office based on the approved cost data of 2006-07 amounting to Rs. 1496.62 lacs envisaging below mentioned works :-

1. Construction of 02 no 132 KV Feeding bays at Upcoming 220/132/33 KV Grid Station Ramban
2. Construction of 18.8 KM 132 KV D/C Ramban- sangaldan tr. Line upto their proposed Grid substation at Sangaldan

The projected cost did not cover the cost of forest/ land /trees compensation and it was to provided by the railway/KRCL authorities at the time of assessment by the Revenue /forest authorities.

Due to non committal approach and non -allocation of funds by KRCL for the number of years together, the upcoming transformation capacity of 120 MVA at 220/132 KV Level was relooked and system study was re- conducted to make the optimum use of this capacity for the betterment and stability of power supply system at EHV Level in Erstwhile Doda District. This transformation capacity got booked in full as detailed below :-

S.NO	NAME OF GRID STATION	CAPACITY AT 132/33 KV VOLTAGE LEVEL	REMARKS
1	GRID STATION RAMBAN	20 MVA	Already proposed to be fed on this station
2	GRID STATION KHELLANI	40MVA	Before undertaking fresh system study, G/S Khellani being fed on 132 KV S/C UDH-DHP Transmission line of NHPC. In the re-conducted system study Khellani G/S Proposed to be fed through under construction 132 kv D/C Ramban-Kishtwar Tr. Line by way of making LLO of one circuit at Grid station Khellani. This arrangement will relieve the department from its dependability on NHPC for providing power supply to entire Doda District through only Grid station Khellani. In

3	GRID STATION KISHTWAR	40MVA	past many awkward positions were faced by the deptt. When this tr. Line got out of service due to damages or any other reasons. Already proposed to be fed on this station through under construction 132 kv D/C Ramban-Kishtwar Tr. Line
4	GRID STATION BHALLESSA	20MVA	Already proposed to be fed on this station through under construction 132 KV S/C Thathri-Bhallessa tr line to be tapped from 132 kv D/C Ramban-Kishtwar Tr. Line at tapping station Barshalla
	TOTAL	120 MVA	

Besides this scheme for the augmentation of G/S Khellani from 40 MVA to 70 MVA stands TEC Cleared and construction of 10 MVA additional transformer bank at Grid station Kishtwar under progress, thus there is no scope to fed the proposed G/S Sangaldan of Railways from G/S Ramban.

Due to space constraints at G/S Ramban for the augmentation of said Grid station, the scope of works necessitated revision and also on the basis of directions of worthy Development commissioner (P), the division has explored the possibility of providing stable power supply and the most technically viable proposal which also vetted by the Chief Engineer S&O Wing Jammu and forwarded to the Worthy Development Commissioner Power vide no CE/S&O/J/T-/10062-67 dated 13-10-2012 is as under.

Upcoming KRCL Grid station at Sangaldan is proposed to be fed on 220/132/33 KV G/S Udampur after augmentation from 240 MVA to 320 MVA through CSTL which has Loop in -Loop out arrangement at Ramban Grid station with creation of already projected 02 no 132 KV Feeding Bays through this 132 KV D/C Transmission line from Ramban Grid to Proposed Grid of sangaldan.(envisaged in the original DPR as well) .

Executive Engineer  
TLMD-IIE/KRCL, Engineer  
Transmission I, II, III, Div-III,  
Udampur

Wildlife Warden Forest Divn. Batote  
Kishtwar

D.F.O. Batote

Divisional Forest Officer  
Ramban Forest Division  
Ramban

The project has been revised due to the fact of lapsing out of considerable period from the time of last submission of original DPR and booking of the corridor adopted in the initial survey.

Need for the fresh survey has been felt by the division and KRCL, and accordingly an amount of Rs. 10.00 lacs as deposited by the KRCL for conducting of fresh survey. The survey and geotechnical study got done by this office from M/S Shardia Engineering Associates, a Himachal Pradesh based firm through open bidding.

Based on the survey report, geotechnical study, and transmission line design already in vogue vetted by the Central Electricity authority and trends of Protection of tower footing, this revised DPR has been framed amounting to Rs. 2163.78 Lacs on the basis of Cost data for the year 2012-13 to cover the cost of construction of 132 KV D/C Tr. Line from Ramban to Sangaldan inclusive of the cost for forest /land/crop compensation. The said DPR was forwarded by the Chief Engineer S&O Wing Jammu to Chief Engineer Planning & Design Wing Jammu vide letter No. CE/S&O/1/T-5074-78 dated 09-09-2015 for checking and placing it before the Techno-economic Committee for its TEC. But the Chief Engineer Planning & Design Wing Jammu raised observations on the DPR stating reasons for non-approval of Cost Data for the year 2012-13 from competent authority & directed to revised the DPR on the basis of Cost Data for the year 2006-07. Moreover, as deliberated in the TEC meeting held on 03-10-2015, and as intimated by the EPD Wing Jammu vide No. EP&D/Div-II/1/364-66 dated 25-01-2016, the DPR needs to be revised on the Cost data of 2006-07 for Electrical works and Civil SSR for Civil works like foundations and protections.


Meanwhile, the profiles were submitted to CEA for checking and vetting and during checking the CEA has recommended the strengthening of some more no. of towers from provision of 9 Nos. in the DPR to 25 nos. (Copy of the CEA letter enclosed).


Complying to the instructions and as checked in the EP&D Wing Jammu, NIT for the construction of 132KVD/C Ramban-Sangaldan Transmission Line on Turnkey Basis was floated by this Division with reserved price of Rs. 1100.00 Lacs, but the Nit has not received any response from the bidders till date.


It has been observed by the Superintending Engineer S&O Circle-I Jammu and the worthy Chief Engineer S&O Wing Jammu and concluded that the reserved price which has been based on the cost data of 2006-07 with 20% Price escalation, may be less and the reason for not bidding the tender from the bidders.

As directed, the costing of the DPR has been revised on the Cost data for the year 2012-13 alongwith incorporating the strengthen of Towers as desired by the CEA and increase of protection volume.


The revised cost of the project is worked out to the tune of Rs.2418.56 lacs.


  
Assistant Executive Engineer  
Sub Division Batote

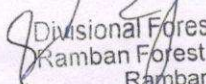
  
Superintending Engineer  
System & Operation Circle-I  
Jammu

  
Executive Engineer  
TLMD-III Udhampur

Chief Engineer  
System & Operation Wing  
Jammu

  
Executive Engineer,  
TLMD-III Udhampur  
Transmission Line Circle-I, Div-III,  
Udhampur

  
D.F.O. Batote  
Forest Divn. Batote

  
Divisional Forest Officer  
Ramban Forest Division  
Ramban

**SCHEDULE OF PRICES AND QUANTITIES AS PER COST DATA 2012-13 AND  
INCORPORATING THE OBSERVATIONS OF CEA REGARDING STRENGTHENING OF TOWERS (SPECIAL  
TOWERS)**

**ANNEXURE-B**

S.NO	PARTICULARS	SCHEDULE OF PRICES AND QUANTITIES	AMOUNT
<b>PART A</b>			
SUPPLY OF MATERIALS & ACCESSORIES.			
1	ENGINEERING DESIGN, SUPPLY OF TOWER ACCESSORIES, LATTICE TYPE TOWER STRUCTURES, LINE MATERIALS & ACCESSORIES.	SCHEDULE-A	62338469
<b>PART B</b>			
ERECTION, TESTING AND COMMISSIONING OF TRANSMISSION LINE INCLUDING CASTING OF FOUNDATIONS AND PROTECTION WORKS			
4	SURVEY AND CHECK SURVEY, crop, trees compensation	SCHEDULE-B	7290000
5	CASTING OF TOWER FOUNDATIONS	SCHEDULE-C	31904418
6	ERECTION OF TOWERS	SCHEDULE-D	11362343
7	STRINGING OF TR. LINE	SCHEDULE-E	8951420
8	PROTECTION WORKS OF TOWER FOOTINGS	SCHEDULE-F	33702000
9	TOTAL		<b>155548650</b>
	Add T&P @1%		1555486.50
10	TOTAL		157104136.50
	Add contingencies @3%		4713124.10
11	TOTAL		161817260.60
	Add 9.5% Supervision Charges on Rs. 161817260.60		15372639.76
12	TOTAL		177189900.35
	Add consultancy charges @3% on Rs. 155548650.00 for the finalization of GTP's drawings, profiles from Central Electricity Authority		4666459.50
13	TOTAL		181856359.85
	Forest Compensation a& Land Compensation		60000000.00
	<b>GRAND TOTAL</b>		<b>241856359.85</b>
	Say Rs. 2418.56 Lacs		

Asst. Executive Engineer

Superintending Engineer  
System & Operation Wing  
Jammu

Executive Engineer  
TLM-D-III Udhampur

Chief Engineer  
System & Operation Wing  
Jammu

TLM-D-III, Transmission Line from Grid Station RAMBAN to SANGAL DAN

**SCHEDULE OF PROVISIONAL QUANTITIES & PRICES**

**SCHEDULE-A**

S.no	Description	Unit	Qty	Per Units in MT/Nos./Kms	Total	Total Unit Rate	Total Price	Remarks
1	2	3	4	5	6	7	8	9
1	<b>ENGINEERING DESIGN, SUPPLY TOWER ACCESSORIES i.e.</b>							
1.1	Danger plate	Nos	49		49	250	12250	
1.2	Number plate	Nos	49		49	250	12250	
1.3	Phase plate	Nos	294		294	250	73500	
1.4	Circuit plate	Nos	98		98	250	24500	
1.5	Anti-climbing device	Nos	49		49	3420	167580	
1.6	Bird Guards	Nos	49		49	430	21070	
1.7	Earthing material		49		49	3420	167580	
1.8	viii) Nuts & Bolts with washers	Tons	10		10	62403	624030	
2	<b>TOWER MATERIAL</b>							
2.1	Tangent tower ( 0 deg - 2 deg)							
2.2	Normal tower with stubs	Nos	2	3.29	6.58			
2.3	3Mtr. Extension tower with stubs.	Nos	0					
2.4	6 Mtr. Extension tower with stubs	Nos	0					
2.5	9 Mtr. Extension tower with stubs	Nos	0					
2.6	<b>SMALL ANGLE TOWERS (0 deg. - 15 deg.)</b>							

Executive Engineer,  
TLM-D-III, Transmission Line from Grid Station, Div-III,  
Udhampur

D.F.O. Batote  
Forest Divn. Batote

Divisional Forest Officer  
Ramban Forest Division  
Ramban

## SECTION-II: DETAILS OF FOREST AREA

### MAJOR HABITAT, FLORA AND FAUNA:-Gool and Gandri range

Gool Range is part of the Ramban Forest Division and Gandri Range is part of Batote Forest Division. The main mammal species found in the area are *Canis aureus* (The Jackal) *Felis chaus* (The Jungle Cat), *Herpestevs aurpuctatus* (Mongoose-The small Indial Mongoose), *Panthera pardus* (Leopard or Panther). The faunal species found in the area are *Vulpes bengalensis* (The Indian Fox) *Vulpus vulpus* (The Red Fox): *Funambulus pennanti* (The Five Striped Palm Squirrel) *Hystrix indica* (The Indian Porcupine) *Gennacus ramiltoni* (The White crested Kalej pheasant): *Gallus gallus* (Jungle Fowl): *Francolinus froncolinus* (Black Partridge): *Froncolinus pendicerianus* (The Grey Partridge): *Streptopetia decaocto* (Ring Dove): *Pseudogyps bengalensis* (White Backed Bengal Vulture): *Gyps himalayensis* (The Himalayan Griffon): *Gyps fulvus* (Fulvous or Indian Griffon Vulture): *Corvus splendens* (House crow): *Corvus macrorhynchos* (Jungle crow) : *Eudynamys scolopacea* (Koel) : *Acridotheres tristis* (Indian myna) etc

#### Flora:

The main species found are *Accacia catechu*, *Dalbergia sissoo*, *Olea cuspidata*, *Accacia modesta*, *Cassia fistula*, *Terminalia belerica*, *Anogeissus latifolia*, *Mallotus phillipinensis*, *Lannea cormandalica* with occasional *Phoenix humillis*, *Toona ciliata*, *Bombax ceiba*, *Syzygiym cumini* etc. *Quercus leucotrichophora*, *Quercus incana*, *Aesculus indica*, *Pyrus pashia*, *Quercus semicarpifolia*. Undergrowth mainly consists of *Adhatoda vasica* and *Dodonaea viscosa* which gets replaced on favourable sites by *Woodfordia fruticicosa*, *Carissa opaca* and *Cotinus cogygria* etc.. Also Chir is the predominant species of this zone, occupying low lying sub-tropical belt along the Chenab around Anji and other Chenab tributaries. The common associates are *Quercus lecotrichophora*, *Pyrus pashia*, *Vasica*, *Rubus ellipticus*, *Prunca granatum*, *Indigofara pulchella*. Undergrowth mainly consists of the *Carissa opaca*, *Dodonaca viscosa*, *Rubus ellipticus*. The ground flora comprises of *Viola serpens* and variety of grasses and ferns.

### MAJOR ACTIVITIES INVOLVED IN THE TRANSMISSION PROJECT:-

The major construction activity envisages in the proposed transmission project are as follows:-

- ❖ Construction of Tower Foundation (An average of 7 M x 7 M tower base and activities involves excavation of soil and concreting)
- ❖ Erection of transmission towers (involves joining of tower members/lattice structure)
- ❖ Stringing of electrical conductor wires between adjacent towers.

The above activities will be carried out by engaging suitable Contractor. For tower foundation works, local gangs/manpower are usually engaged as petty Contractor and temporary makeshift camps are set nearby the construction site till completion of work. For hill areas construction of new approach road generally not encouraged & the existing village tract or jungle tract are used forhead loading of tower materials. Tower erection and stringing of conductor is generally carried out by specialized gangs and temporary construction camps are also required to be set up for this purpose.

## JUSTIFICATION & BENEFIT OF THE PROJECT:-

The project will provide the power supply to the prestigious **Udhampur-Baramulla Rail Link Project (USBRL) Project** for its operation. In Batote Forest Division land measuring 7.2765 ha. for tower no.: 26, 27, 32, 33, 34, 37, 39, 40, 41, 42 got already diverted vide FST no. 400/FST/of 2018 Dated:- 27.12.2018. under the erstwhile Jammu and Kashmir Forest (Conservation) Act 1997. Now land measuring 1.34 ha. for tower foundation and line corridor for tower no. 32-A, 40-B, 40-C, needs to be diverted. In forest division Ramban, land measuring = 6.272 ha. for tower no.: 43, 44, 45, 46, 47, 48,49, 50, 51 got already diverted vide FST no. 290/FST/of 2019 Dated:- 24.09.2019. land measuring 3.03 ha. for tower foundation and line corridor for tower no. 44-A, 44-B, 44-C, 47-D needs to be diverted. The diversion of the forest land is unavoidable as it will supplement and augment the already existing towers. Initially 49 No. of the towers were to be installed but during the final and check survey it was necessitated that to insert the additional towers to achieve the mandatory ground clearance as per the J&K Electricity and Indian Electricity Act. Since the existing towers are already existing on the forest land, the newly erected towers are automatically to be installed on the forest land and hence the forest land is unavoidable.

Executive Engineer,  
TILM-D-II, J&K PCL, Jammu  
Transmission Line Section, Div-III,  
Udhampur

*Belgi's*  
D.F.O. Batote  
Forest Divn. Batote

Wildlife Warden  
Chenab Kishtwar

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

## REQUIREMENT OF WILDLIFE CLEARANCE: -

In order to minimize impact on forest and wildlife, detailed survey of the route of the construction of 132 KV D/C Ramban Sangaldan Transmission line for providing power supply to Konkan Railway. The proposed route is the shortest and the most feasible route from all aspects which has been selected among all the alternatives routes explored during detail survey. The alignment will pass through 44/Ar and 43/Ar of Gool Range and 54/G, 55/G, 56/G and 57/Ar. There is no Wildlife Area involved in the project. The Regional Office Chandigarh raised a EDS vide File No. 09-JKB-052/2022-Jammu Dated:-Oct 2022 and asked for the submission of the Wildlife Mitigation plan. The technical details of the proposed route & status of forest/wildlife clearances are states as below:

Name of project for which WL clearance is required	Construction of 132 KC/DC Ramban Sangaldan transmission line for providing power supply to Konkan railway
Total Line Length	499 m in Gandari Range and 1122 m in Gool Range
Details of wildlife area involved	No Wildlife area involved
Total no of towers to be erected in WL area	04 in Ramban Division and 04 in Batote Forest Division
Total wildlife area involved	Nil
Present Status of Forest proposal	Submitted online on 27-07-2021. Presently under process at DFO Level.
Likely impact of the project on protected area (PA)	The overall impact of the project on forest area and wildlife is assessed as minimum which can be addressed through proper mitigation measures as recommended.

Executive Engineer,  
TLMD-II/EX/PTCL, Engineer  
Transmission Line, North Div-III,  
Udhampur

Wildlife Warden  
Chenab Kishtwar

Divisional Forest Officer  
Ramban Forest Division  
Ramban

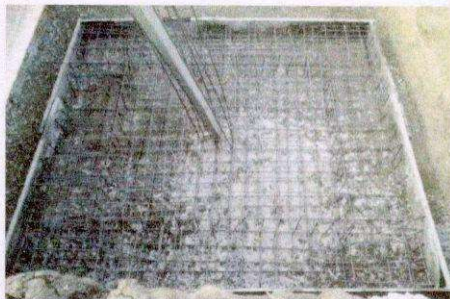
D.F.O. Batote  
Forest Divn. Batote

## **TOWER FOUNDATION:**

Foundation of a transmission tower is the basic structure to support the tower in its position. It plays an important role in safety and satisfactory performance of the structure as it transmits mechanical loads of the electrical transmission system to earth. The foundations in various types of soils have to be designed to suit the soil conditions of particular type. In addition to foundations of normal towers, there are situations where considering techno-economical aspect for special towers required or river crossing which may be located either on the bank of the river or in the mid stream or both, pile foundation may be provided. The various activities involved in the foundation work are illustrated below:-

### **Transmission Tower Foundation**

#### **Raft Concrete**



### **Transmission Tower Foundation**

#### **Stub Footing concrete**



#### **Stub Concrete**



### **Transmission Tower Foundation**

#### **Stub setting & Template Assembly**



## **TOWER ERECTION:**

There are four main methods of erection of steel transmission towers which are as below:

- ❖ Build-up method or Piecemeal method
- ❖ Section method
- ❖ Ground assembly method.
- ❖ Helicopter method.

### **Build Up Method of Tower Erection**

- ❖ This method is most commonly used in India for the erection of 66kV, 220 kV and 400 kV



transmission line towers. This method consists of erecting the towers, member by member. The tower members are kept ground serially according to erection sequence to avoid search or time loss. The erection progresses from the bottom upwards. The four main corner leg members of the first section of the tower are first erected and bolted with the stub.

**Transmission Tower Erection**

**Tower Erection in progress**



**Transmission Tower Erection**

**Cross Arms Erected**

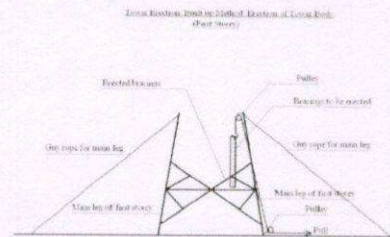


**Transmission Tower Erection**



**Transmission Tower Erection**

**Build Up Method of Tower Erection**



**TOWER STRINGING:**

- ❖ Stringing of Transmission line a process of joining and fixing of the electrical conductor wires from tower to tower and various other assemblies for transmission of electricity.
- ❖ Stringing overhead conductors in transmission is a very specialized type of construction requiring years of experience as well as equipment and tools that have been designed, tried and proven to do the work.

**Steps of stringing**

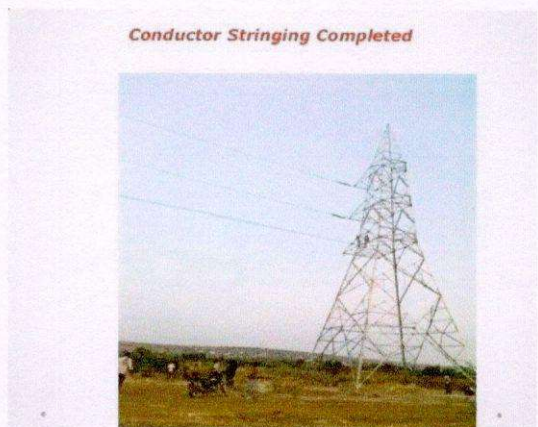
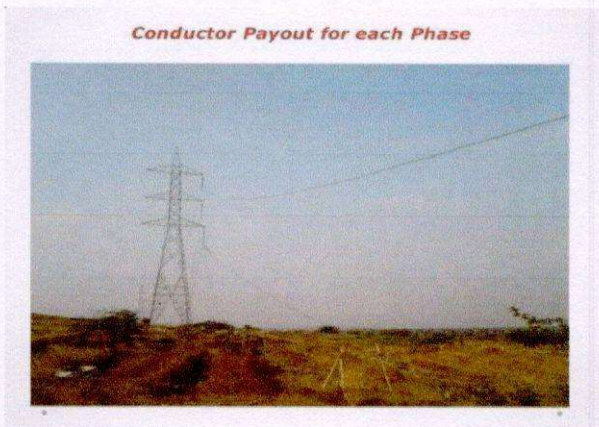
- Proper guying
- Insulator Hoisting
- Paying out of pilot wire & conductor
- Rough sagging of conductor
- Clipping & spacing
- Finishing activities
- Jumpering
- Final checking

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

Executive Engineer,  
 TLMD-III, EXP. CL, Engineer,  
 Transmission Line Sect. Div-III,  
 Udangpung

*[Signature]*  
 Wildlife Warden

*[Signature]*  
 D.F.O. Batote  
 Forest Divn. Batote



**3. LIKELY IMPACT OF THE PROJECT ON WILDLIFE OF THE AREA:-**

The impact on the forest and wildlife associated with power transmission project with specific reference to the proposal is summarized as below:

**HABITAT LOSS AND FRAGMENTATION:-**

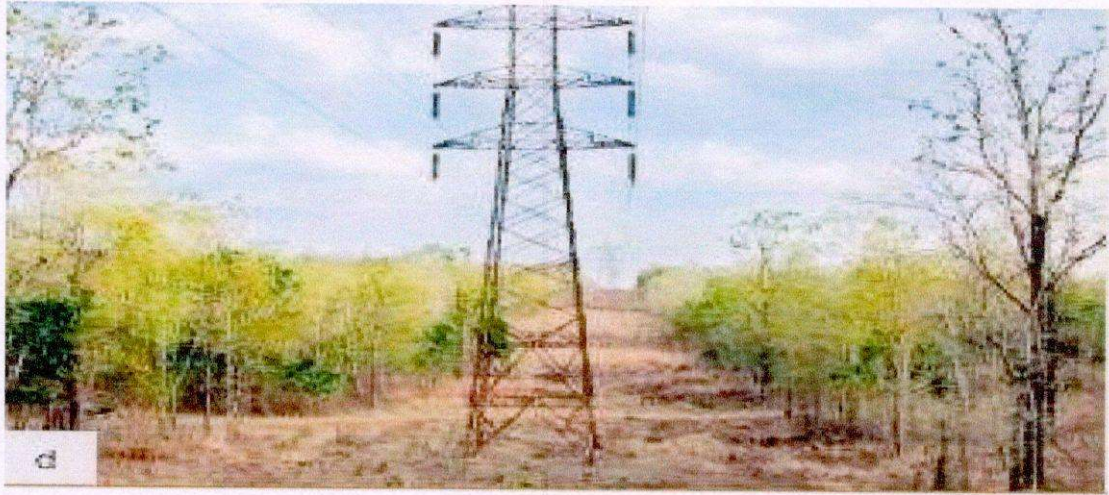
Powerlines or specially powerline corridors, are known to affect many different animal groups, predominantly birds. These impacts are largely associated with fragmentation & degradation of wildlife habitats along the powerline corridor i.e. Right of Way. In case of 132 KV, the RoW is considered as 27 meter wherein the standing trees are required to be either felled, looped/pruned as necessary for casting of tower foundation, tower erection & electrical conductor stringing. The large scale felling of trees along the line corridor might impact the nesting sites of birds as well as habitat and movement of other arboreal species like monkeys, primates etc. available in that areas.

Executive Engineer,  
TLMD-II, Jammu  
Transmission Line Section, Div-III,  
Jammu

Divisional Forest Officer  
Ramban Forest Division  
Ramban

D.F.O. Batote  
Forest Divn. Batote

Wildlife Warden  
Chamba Kishtwar



**ELECTROCUTION & ACCIDENTAL COLLISION OF BIRDS.**

As per available/listed data risk of electrocution of birds are mostly related to distribution/transmission lines up to 110 kV due to dimensions and spacing between two conductors, electrocution of Bird/Raptor by EHV lines of 132 kV & above is quite rare. Moreover, collusion of birds are mostly reported during landing and take off in area close to water bodies, designated bird areas/ sanctuary having large congregation of birds or line intersecting identified bird fly or migratory paths hence bird diverter even if placed on EHV line can only be effective if it is installed in the fly path of birds. POWEGRID following its cardinal principle of avoidance take utmost care to avoid such areas while selecting the optimum line route of new transmission line.

**INDUCED IMPACT ON WILDLIFE FROM CONSTRUCTION WORKERS.**

Construction manpower will be required for execution of the project and makeshift construction camps and will be set up at the tower foundation/erection sites as per site requirement. Generally for tower foundation works, local manpower/workers will be engaged. However, for specialized works like tower erection and stringing, migrant labourers are usually engaged. The induced impact on the wildlife of the area from such construction workers is the likelihood of involvement in hunting/trafficking of wild animals and other unlawful activity during the execution of the project.

**SECTION-4: PROPOSED MITIGATION MEASURES**

**SAFEGUARD OF WILDLIFE PASSAGE AT SOME PLACES**

As per Indian Electricity rule, the minimum ground clearance for 132 KV Transmission line is 6.1 meter i.e. the lower most electrical conductor wire between two adjacent towers will be stringed in such a way that the minimum height from actual ground level is always more than 6.1 meter which is sufficient for safe passage of animals and others mammals.

Executive Engineer,  
TLMD-II, EXPDCL, Engineer  
Transmission Line Section, Div-III,  
Bhubaneswar

*Balaji*  
D.F.O. Batote  
Forest Divn. Batote

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

*[Signature]*  
Wildlife Warden

**SAFEGUARD OF BIRDS FROM ELECTROCUTION AND ACCIDENTAL COLLISION:-**

Since Gool and Gandri Ranges have a significant population of birds therefore, the following mitigation measures are proposed for safeguard of birds: -

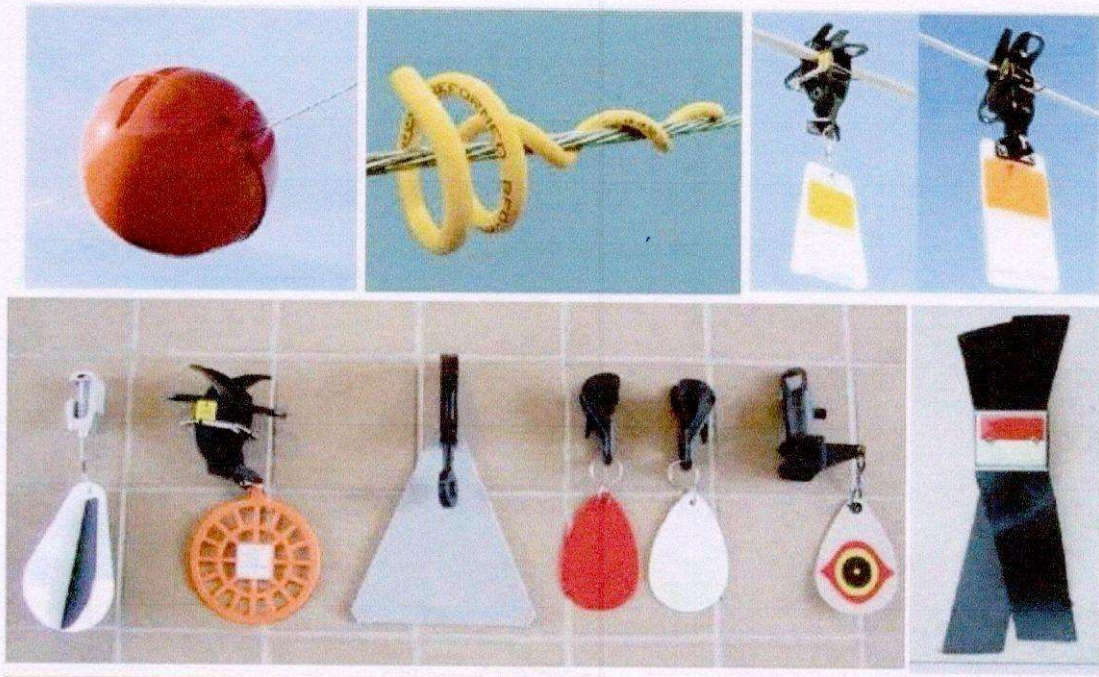
- A. The Stringing of conductor for the transmission line shall be carried out maintaining a separation between energized conductors as follows:

Vertical distance between two conductors: **4 m** (appx.)

The above arrangement, will nullify the likelihood of electrocution of large winged birds like hornbill, because the distance between energized conductors will be always more than the maximum wing span of the bird. *A figure showing the above arrangement is shown in Annexure-II*

- b. To prevent accidental collision of birds with the conductor **bird diverter/colored/contrast marker devices** will be installed on the earth wire to make it visible to birds from long distance as shown in the photographs as below *from AP 37 to AP 72 (In between Lallen to Phulbial)* where the birds are flying and taking water from water bodies/small ponds which are available in the above vicinity.

**Bird Guard** will be provided on towers as per requirement to prevent birds from sitting in the insulator strings which may result in puncture of insulator due to defecation by birds.



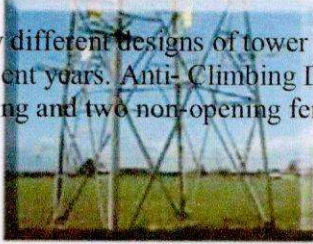
Executive Engineer,  
TLMD-II, E&PTCL, Engineer  
Transmission Line, Div-III,  
Udhampur

**c. SAFEGUARD OF ACCIDENTAL FALLINGS OF ANIMALS IN EXCAVATED PITS FOR TOWER FOUNDATION:-**

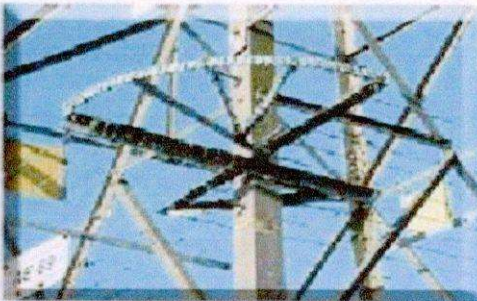
The excavated pits shall be properly barricaded and fenced so as to prevent accidental falling of mammals in the vicinity of the construction sites

**d. 132 KV TOWER ANTI-CLIMBING DEVICES:-**

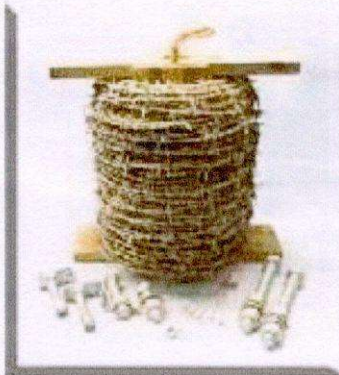
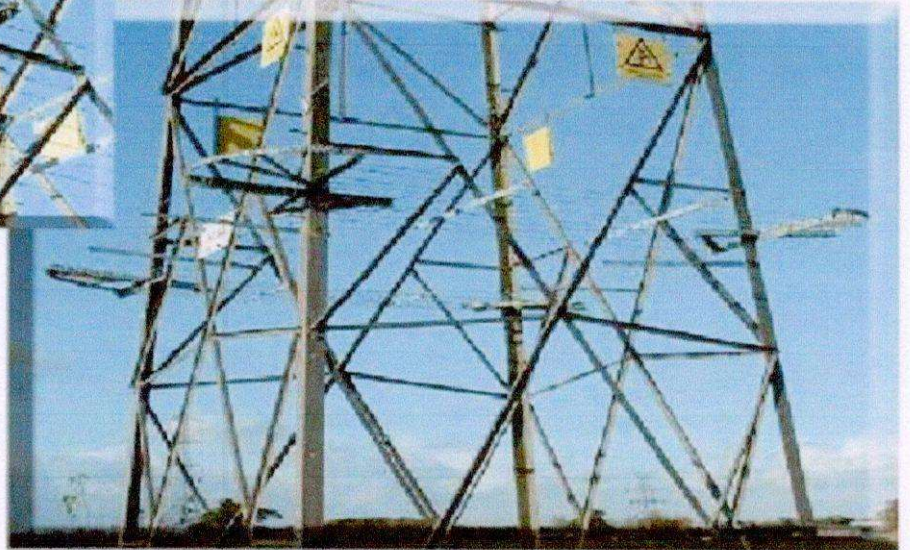
Many different designs of tower exist for 132 kV lines with standardization becoming more focused in recent years. Anti-Climbing Devices (ACD's) are being used at tower four corners gates with two opening and two non-opening fenced by using barbed wire and accessories.



132KV TOWER ANTI-CLIMBING DEVICES



132KV TOWER ACD's



BARBED WIRE AND ACCESSORIES

- Line markers should be as large as possible. The spacing between them should not be more than 5 to 10 m. Marker devices should be chosen to contrast as much as possible with the background colours (Figure 12.8), and, importantly, should be visible at night; most bird collisions are said to occur at night.

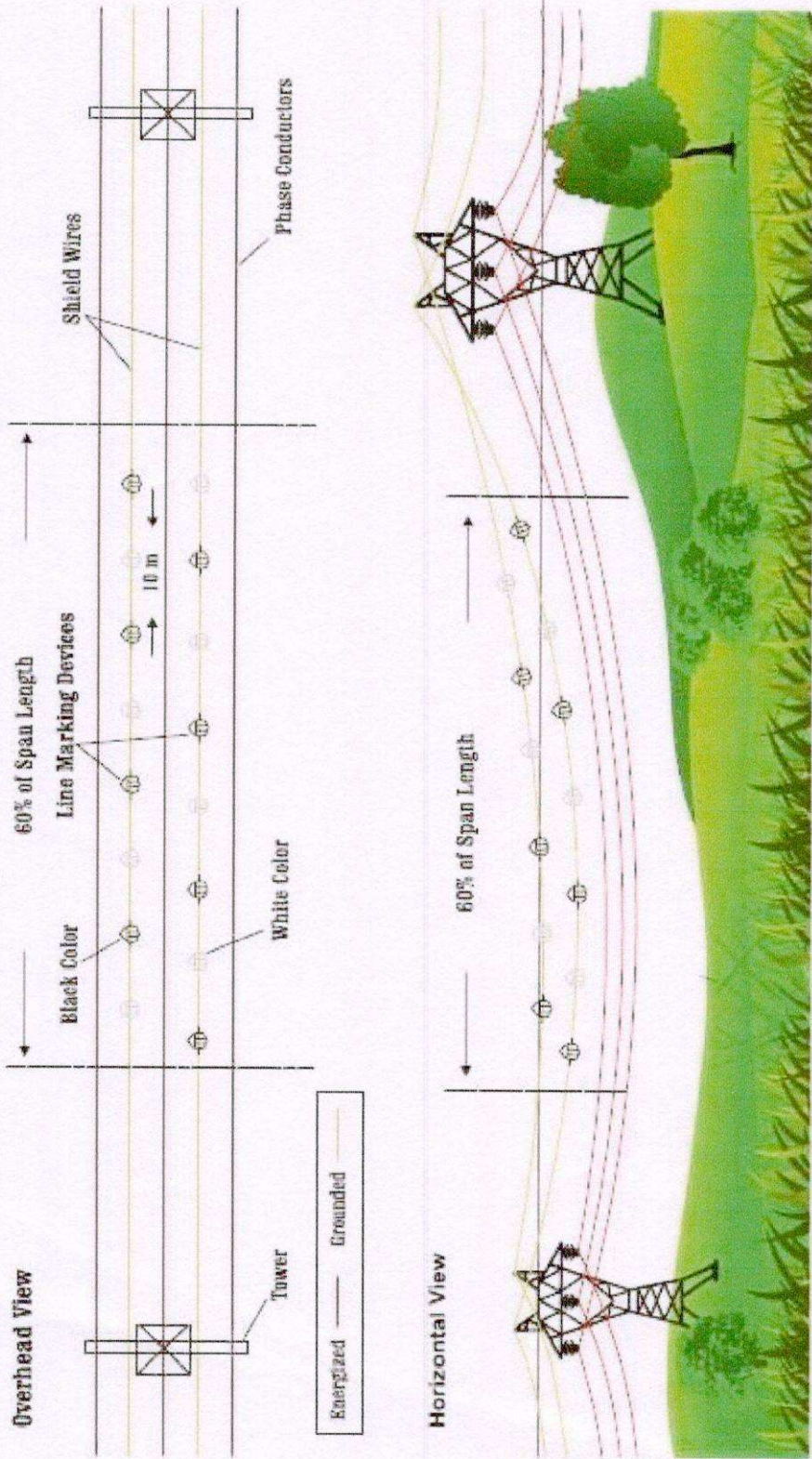


Figure 12.8. Design and configuration of markers to reduce bird collisions (After Eskom: Transmission [South Africa] 2009). Source: APUC 2012.

#### 4. GENERAL MITIGATION MEASURES FOR PROTECTION OF FOREST AND WILDLIFE: -

In addition to the above specific measures for animals and birds, the following mitigation measures will be adopted by TLMD 3 during execution of the project for protection of wildlife. Before start of work in the area awareness campaign will be taken up by TLMD 3 in association with Forest Dept. to create maximum awareness among the construction workers regarding safeguard of forest and wildlife.

No work shall be allowed at nights (i.e. between sunset & sunrise) in the forest area.

No permanent labour camps will be set up inside the forest area.

Tree felling will be minimized along the line corridor and only those trees which are unavoidable for tower foundation & erection will be felled under the supervision of Forest department. The guideline of MoEF dtd. 5<sup>th</sup> May, 2014 with regard to "construction of transmission line in forest area" will be strictly adhered to during execution of project.

The trees on the remaining part of the transmission line corridor will be mostly loped and pruned which are required for stringing of conductor. In case of towers falling in hill top locations where enough ground clearance is available, tree will not be felled. This will minimize the impact on nesting sites of birds as well as habitat of arboreal species.

The specific and important tree species as identified by the Forest department will be marked separately and protected during the construction of the transmission line.

To minimize the disturbance to wildlife, no new approach road will be constructed in the forest area. The existing village tracts/paths will be utilized for carrying of tower materials and also manual excavation of tower foundation will be done.

Ecofriendly engineering practices in the construction works and due care be taken properly so as to avoid injury to wildlife.

All pollution related aspects and waste management will be duly taken care during the implementation of the project.

In addition to above, any other measures as envisaged by the State Board of Wildlife/national Board of Wildlife and as per provisions of wildlife (Protection) Act, 1972 will be strictly adhered to during execution of the project by TLMD 3.

Executive Engineer,  
TLMD-III, EOPPCCL, Engineer  
Transmission, Div. III, U. Div. III,  
Bhampur

D.F.O. Batote  
Forest Divn. Batote

Divisional Forest Officer  
Ramban Forest Division  
Ramban

Wildlife Warden

## SECTION -5: CONCLUSION

The proposed construction of 132 KV D/C Ramban Sangaldan Transmission line for providing power supply to Konkan Railway project is a very important sub-project which is conceived by Govt. of India located in Ramban district of the State. This project is a major step towards meeting power supply to the prestigious USBRL Project.

The construction of the above transmission line requires forest clearance as the project falls in forest land. The EIA and environmental clearance is not required for this project since power transmission lines are kept outside the purview of EIA 2006 as per MoEF notification and considered as green project due to its pollution free nature.

Considering the importance of conservation of biodiversity and the wildlife habitat, flora and fauna of Gool and Gandri Ranges, it is found that there will be some temporary and permanent impact from the aforesaid transmission project on the wildlife of the area. However, the User Agency TLMDI-III has made a holistic approach towards protection of the wildlife through the principle of avoidance, minimization and mitigation in their project activity and committed for implementation of various mitigation measures for wildlife including general measures for overall protection of the forest and wildlife.

Therefore, it is summarized that the overall impact on biodiversity due to the proposed transmission project is assessed as low which can be minimized through proper mitigation measures as per guidelines.

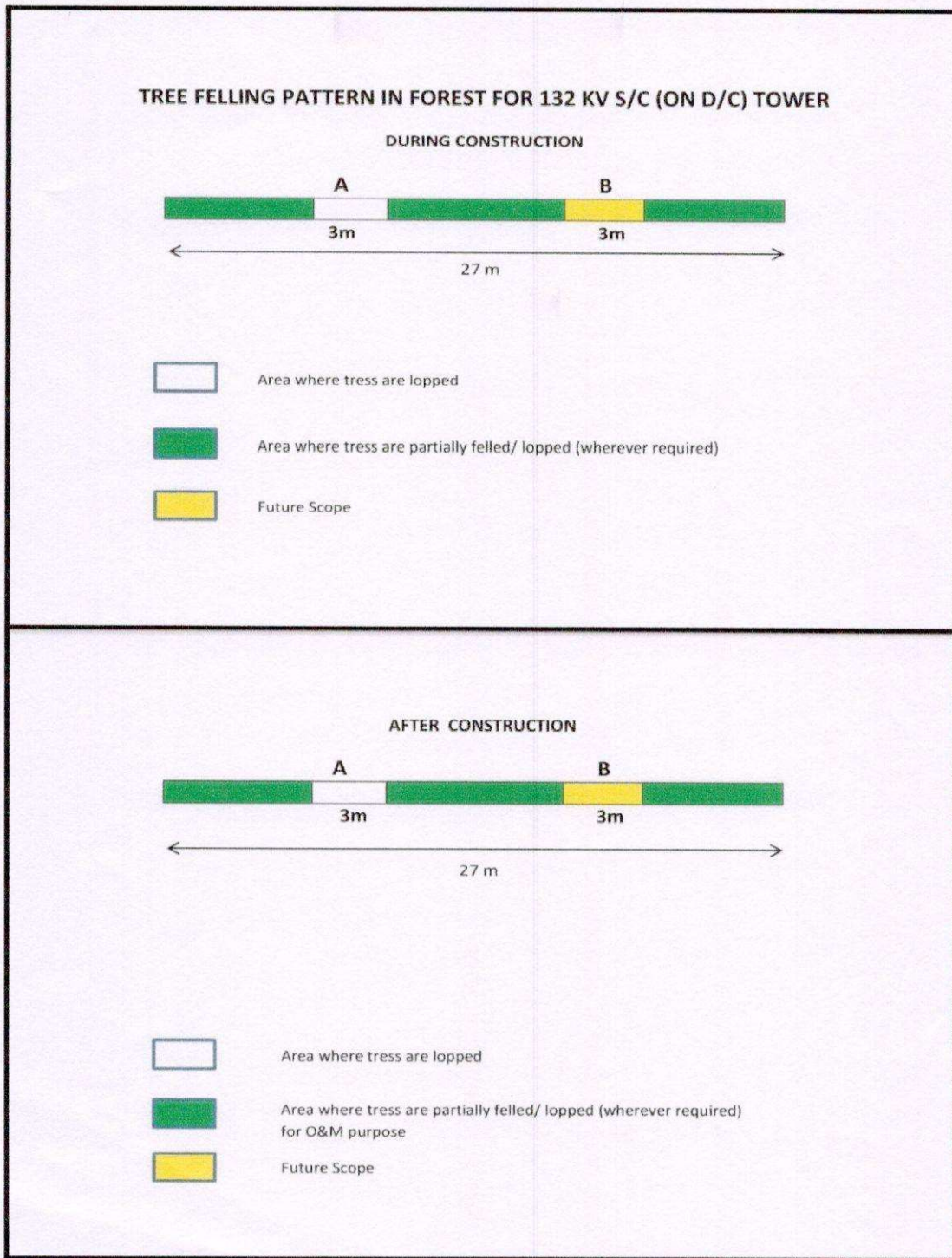
Executive Engineer,  
TLMD-III, Engineer,  
Transmission Line Sect. Div-III,  
Udhampur

Divisional Forest Officer  
Ramban Forest Division  
Ramban

D.F.O. Batote  
Forest Divn. Batote

Wildlife Warden  
Chenab Kishtwar





**FIGURE-3 : TREE FELLING ARRANGEMENT IN THE PROJECT AS PER GUIDELINE OF MOEF**

Executive Engineer,  
 TLM-D-II, EOPCL, Engineer  
 Transmission Line, Sect. Div-III,  
 Udhampur

*Batote's*  
 D.F.O. Batote  
 Forest Divn. Batote

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

**SECTION -V: ANNEXURES**

**Annexure-I**

SOI Map For CA Site

GT Sheet No 43 O/3 and 43 O/4

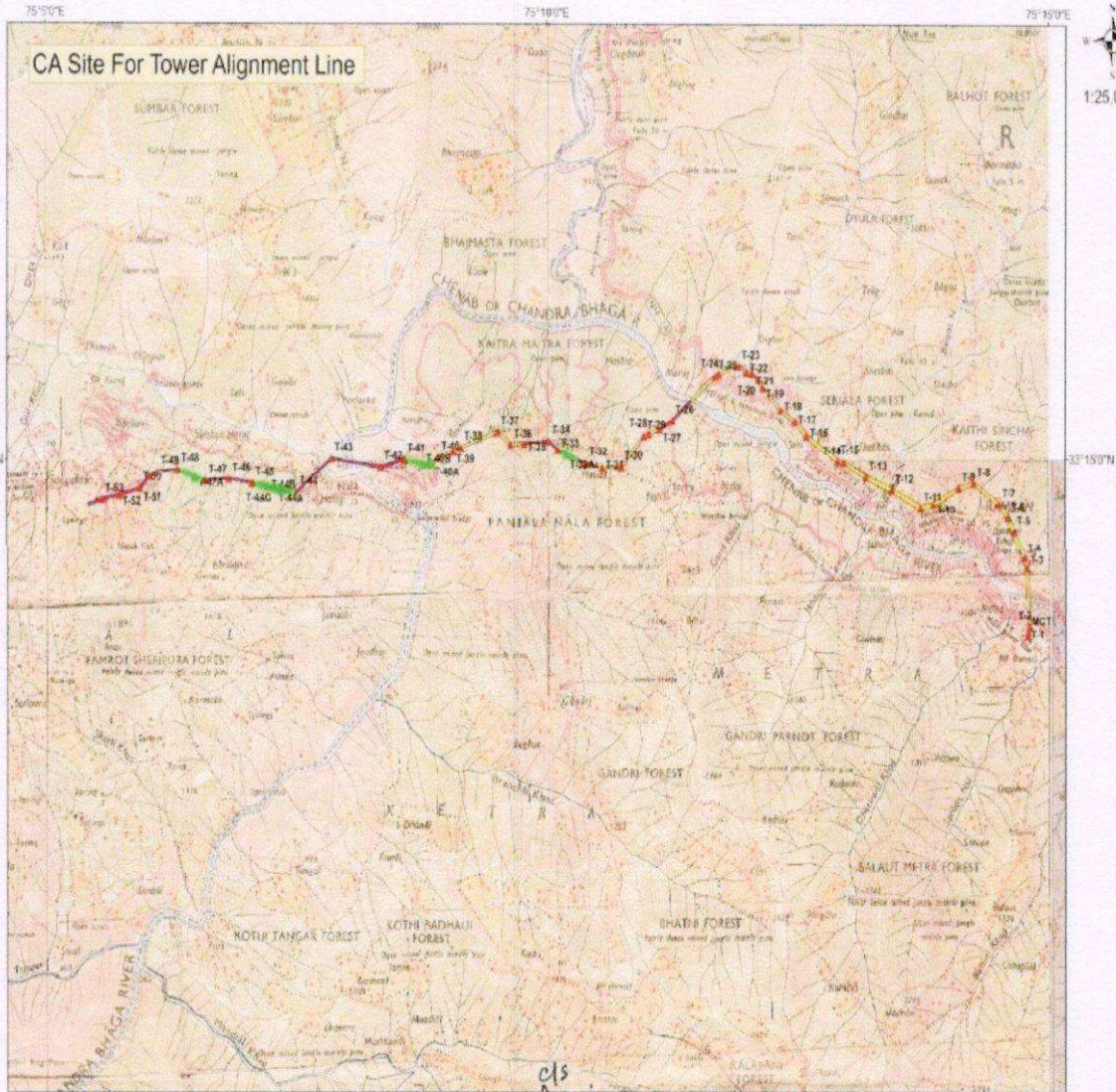
Name	Longitude	Latitude
101	75 14 17.7 E	33 13 49.0 N
102	75 14 16.2 E	33 13 57.0 N
103	75 13 49.0 E	33 14 08.0 N
104	75 13 49.0 E	33 14 09.0 N
105	75 13 49.0 E	33 14 10.0 N
106	75 13 49.0 E	33 14 11.0 N
107	75 13 49.0 E	33 14 12.0 N
108	75 13 49.0 E	33 14 13.0 N
109	75 13 49.0 E	33 14 14.0 N
110	75 13 49.0 E	33 14 15.0 N
111	75 13 49.0 E	33 14 16.0 N
112	75 13 49.0 E	33 14 17.0 N
113	75 13 49.0 E	33 14 18.0 N
114	75 13 49.0 E	33 14 19.0 N
115	75 13 49.0 E	33 14 20.0 N
116	75 13 49.0 E	33 14 21.0 N
117	75 13 49.0 E	33 14 22.0 N
118	75 13 49.0 E	33 14 23.0 N
119	75 13 49.0 E	33 14 24.0 N
120	75 13 49.0 E	33 14 25.0 N
121	75 13 49.0 E	33 14 26.0 N
122	75 13 49.0 E	33 14 27.0 N
123	75 13 49.0 E	33 14 28.0 N
124	75 13 49.0 E	33 14 29.0 N
125	75 13 49.0 E	33 14 30.0 N
126	75 13 49.0 E	33 14 31.0 N
127	75 13 49.0 E	33 14 32.0 N
128	75 13 49.0 E	33 14 33.0 N
129	75 13 49.0 E	33 14 34.0 N
130	75 13 49.0 E	33 14 35.0 N
131	75 13 49.0 E	33 14 36.0 N
132	75 13 49.0 E	33 14 37.0 N
133	75 13 49.0 E	33 14 38.0 N
134	75 13 49.0 E	33 14 39.0 N
135	75 13 49.0 E	33 14 40.0 N
136	75 13 49.0 E	33 14 41.0 N
137	75 13 49.0 E	33 14 42.0 N
138	75 13 49.0 E	33 14 43.0 N
139	75 13 49.0 E	33 14 44.0 N
140	75 13 49.0 E	33 14 45.0 N
141	75 13 49.0 E	33 14 46.0 N
142	75 13 49.0 E	33 14 47.0 N
143	75 13 49.0 E	33 14 48.0 N
144	75 13 49.0 E	33 14 49.0 N
145	75 13 49.0 E	33 14 50.0 N
146	75 13 49.0 E	33 14 51.0 N
147	75 13 49.0 E	33 14 52.0 N
148	75 13 49.0 E	33 14 53.0 N
149	75 13 49.0 E	33 14 54.0 N
150	75 13 49.0 E	33 14 55.0 N
151	75 13 49.0 E	33 14 56.0 N
152	75 13 49.0 E	33 14 57.0 N
153	75 13 49.0 E	33 14 58.0 N
154	75 13 49.0 E	33 14 59.0 N
155	75 13 49.0 E	33 15 00.0 N
156	75 13 49.0 E	33 15 01.0 N
157	75 13 49.0 E	33 15 02.0 N
158	75 13 49.0 E	33 15 03.0 N
159	75 13 49.0 E	33 15 04.0 N
160	75 13 49.0 E	33 15 05.0 N
161	75 13 49.0 E	33 15 06.0 N
162	75 13 49.0 E	33 15 07.0 N
163	75 13 49.0 E	33 15 08.0 N
164	75 13 49.0 E	33 15 09.0 N
165	75 13 49.0 E	33 15 10.0 N
166	75 13 49.0 E	33 15 11.0 N
167	75 13 49.0 E	33 15 12.0 N
168	75 13 49.0 E	33 15 13.0 N
169	75 13 49.0 E	33 15 14.0 N
170	75 13 49.0 E	33 15 15.0 N
171	75 13 49.0 E	33 15 16.0 N
172	75 13 49.0 E	33 15 17.0 N
173	75 13 49.0 E	33 15 18.0 N
174	75 13 49.0 E	33 15 19.0 N
175	75 13 49.0 E	33 15 20.0 N
176	75 13 49.0 E	33 15 21.0 N
177	75 13 49.0 E	33 15 22.0 N
178	75 13 49.0 E	33 15 23.0 N
179	75 13 49.0 E	33 15 24.0 N
180	75 13 49.0 E	33 15 25.0 N
181	75 13 49.0 E	33 15 26.0 N
182	75 13 49.0 E	33 15 27.0 N
183	75 13 49.0 E	33 15 28.0 N
184	75 13 49.0 E	33 15 29.0 N
185	75 13 49.0 E	33 15 30.0 N
186	75 13 49.0 E	33 15 31.0 N
187	75 13 49.0 E	33 15 32.0 N
188	75 13 49.0 E	33 15 33.0 N
189	75 13 49.0 E	33 15 34.0 N
190	75 13 49.0 E	33 15 35.0 N
191	75 13 49.0 E	33 15 36.0 N
192	75 13 49.0 E	33 15 37.0 N
193	75 13 49.0 E	33 15 38.0 N
194	75 13 49.0 E	33 15 39.0 N
195	75 13 49.0 E	33 15 40.0 N
196	75 13 49.0 E	33 15 41.0 N
197	75 13 49.0 E	33 15 42.0 N
198	75 13 49.0 E	33 15 43.0 N
199	75 13 49.0 E	33 15 44.0 N
200	75 13 49.0 E	33 15 45.0 N

**Legend**

**Tower Line**

**Name**

- Forest
- AD Forest
- Non Forest
- Towers



Divisional Forest Officer  
Ramban Forest Division  
Bate

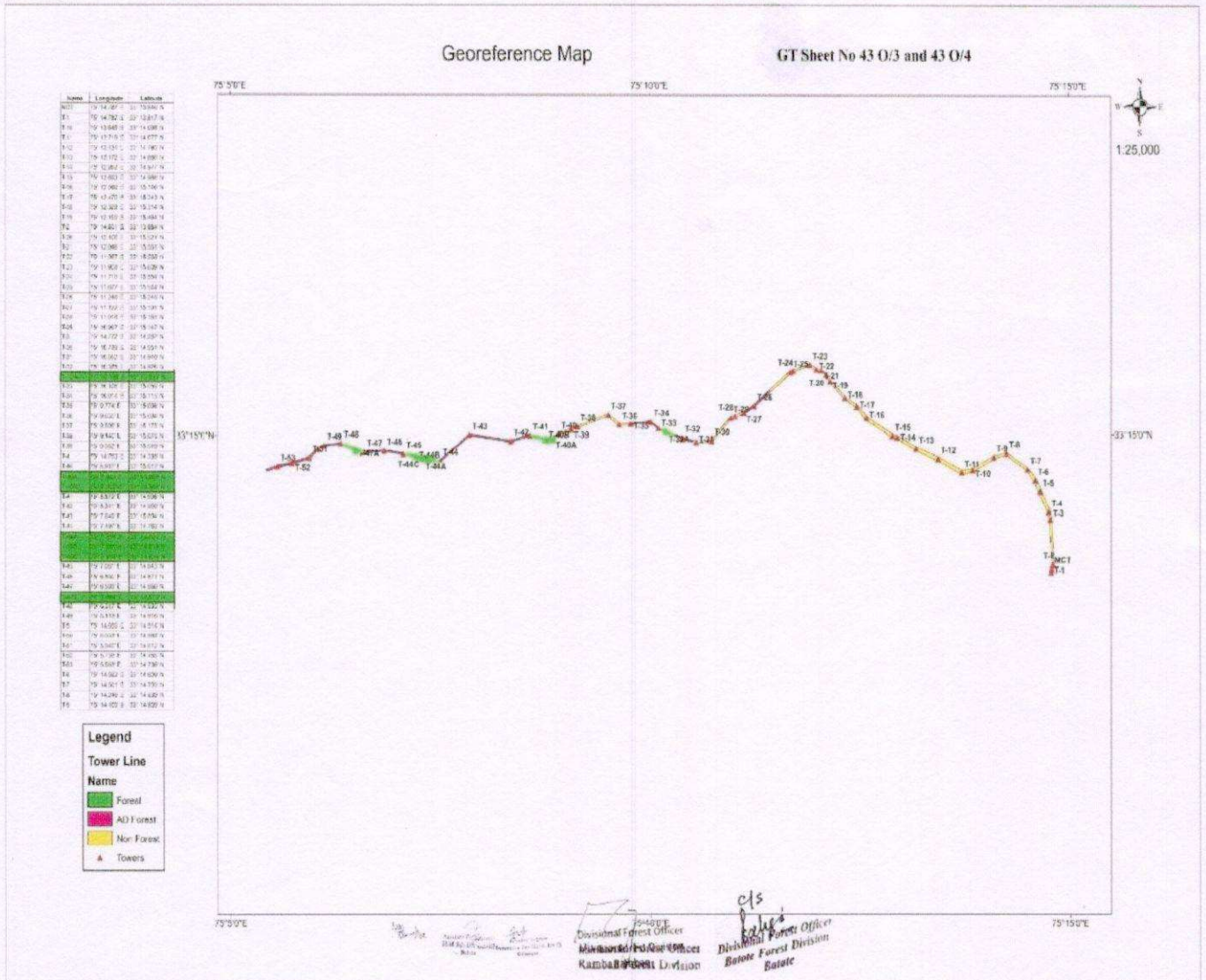
Executive Engineer,  
TUMD-II  
Transmission Line, Div-III,  
Jammu

Divisional Forest Officer  
Ramban Forest Division  
Ramban

Wildlife Officer  
Chenab Kishtwar

1990-2000 Census of 95-11

**Annexure-II**



Executive Engineer,  
TLM-D-II/EX/KPTCL, Engineer  
Transmission Line, Sub. Div-II,  
Udhampur

Divisional Forest Officer  
Ramban Forest Division  
Ramban

Wildlife Warden  
Chenab Kishtwar




**Jammu and Kashmir Forest Department**  
**OFFICE OF THE DIVISIONAL FOREST OFFICER**  
**RAMBAN FOREST DIVISION, RAMBAN**

Tel/Fax-01998-266623, Email-dforamban1@gmail.com

**ACTION TAKEN REPORT**

The damage case No. 05 of 2022-23 has been booked against the User Agency and Executing Agency JK Engineer for violation of the Forest (Conservation) Act 1980 and Indian Forest Act, 1927 by Range Officer Gool and investigation is under progress. However, the sanction for prosecution is required against the officials of the TLMD-III under section 197 of Cr. P.C. 1973. The matter has been taken up with Conservator of Forests Chenab Circle vide this office No. RFD/FCA/22-23/7654-55 Dated:-13-12-2022 to take matter with Administrative Department. Vide this office No. RFD/Damage/21-22/6024-28 Dated:-17-12-2021, Damage bill to the tune of Rs 11.60130 lacs was issued in favour of User Agency for violation of the conditions No. 10 of Government Order No. 290-FST OF 2019 Dated:-24-09-2019 under which 6.2721 ha of forest land has already been diverted under the erstwhile Forest Conservation Act, 1997. As far as the disciplinary action against concerned field officials is concerned, Range Officer Gool has submitted that no such negligence as part of Forest Officials is noticed, as the Forest Officials have taken proper cognizance of the violation committed by the User Agency and stopped the illegal land breaking of Forest Land. The concerned field staff also reported the matter to Range Officer Gool well in time as required under rules and ensured complete suspension/stoppage of any non-forestry activity on the Forest Land. Block Officer concerned also worked out the loss to forest property and submitted the assessment of damage so that the compensation of forest damage can be ensured by recovering penalty from the User Agency within the preview of Govt. Order issued under the provision of Jammu & Kashmir Forest Conservation Act, 1997.

  
23.12.22  
Dr. Rajan Singh (SFS)  
Divisional Forest Officer  
Ramban Forest Division  
Ramban



**Jammu and Kashmir Forest Department**  
**OFFICE OF THE DIVISIONAL FOREST OFFICER**  
**RAMBAN FOREST DIVISION, RAMBAN**

Tel/Fax-01998-266623, Email-dforamban1@gmail.com

**The Conservator of Forests,**  
**Chenab Circle,**  
**Doda**

No. RFD/FCA/22-23/7654-55

Dated: - 12/12/2022

**Subject:-Diversion of 4.37 ha forest land for Construction of 132 KV D/C Ramban-Sangaldan-Transmission line for providing power supply to Konkan Railway, UT of Jammu and Kashmir-regarding sanction for prosecution of the official of TLMD-III authorities for violation of IFA,1927 and FCA, 1980.**

**Reference:- IRO MoEF& CC vide file No. File No:9-JKB-052/2022-Jammu October, 2022.**

**Sir,**

On the subject cited above, the following lines are submitted for your kind consideration: -

1. A proposal titled Construction of 132 KV D/C Ramban-Sangaldan-Transmission line for providing power supply to Konkan Railway-FP/JK/RAIL/45324/2020 was applied by the Transmission Line Maintenance Division-III Udhampur for diversion of 4.3713 ha area in Ramban and Batote Forest Divisions.
2. Whereas undersigned along with the Range Officer Gool, JE TLMD and forest officials visited the locations where the forest land is to be diverted for construction of the towers in Ramban Forest Division on dated:-**24-01-2021** and noticed some violations done by the User Agency before approval of the project and accordingly Range Officer Gool was asked to submit the details of the damage along with assessment and action taken report against the delinquent officials vide this office No. RFD/FCA/2020-21/35-35 Dated:-03-04-2021 **(Copy enclosed as Annexure-A).**
3. Range Officer Gool vide No. 312/GR dated:-17-12-2021 and No. 532/GR Dated:-04-03-2021 **(Copy enclosed as Annexure-B & C)** submitted the details of damage done by User Agency along with assessment of the damage done by the User Agency and action taken against the User Agency. He submitted damage over an area of 0.159 ha forest land (Land breaking) along with damage to 150 saplings with penal NPV 11.60130 lacs in violation of the Government Order No. 290-FST OF 2019 Dated:-24-09-2019 conditions No. 10 **(Copy enclosed as Annexure-D)** under which 6.2721 ha of forest land has already been diverted under the erstwhile Forest Conservation Act, 1997.
4. Whereas vide No. RFD/Damage/21-22/6024-28 Dated:-17-12-2021, damage bill to the tune of Rs 11.60130 lacs was issued in favour of User Agency for violation of the conditions No. 10 of Government Order No. 290-FST OF 2019 Dated:-24-09-2019 **(Copy enclosed as Annexure-E).**
5. Vide this office No. RFD/FCA/1342-44 Dated:-23-06-2022, the user Agency was asked to withdraw the proposal because of wrong category selection "Rail" instead of "Transmission Line". The User Agency again applied under fresh category with proposal No. FP/JK/TRANS/145320/2021 Dated:- 27-07-2021.
6. The case was submitted to Conservator of Forests Chenab Circle Doda through PARIVESH Portal. In addition to the normal NPV 43.10310 Lacs, additional NPV to the tune of Rs 11.60136 as penal NPV was raised for which undertaking has already been submitted by the User Agency **(Copy enclosed as Annexure-F )**.

7. EDS was raised by the IRO MoEF& CC vide file No. File No:9-JKB-052/2022-Jammu October, 2022. Point (iv) of the EDS is reproduced as under:-

*“iv. There is violation reported by the DFO, Ramban. The State Govt. is required to verify if the violation was committed before applying for seeking the clearance under Forest Conservation Act, 1980. If the act of violation was done after applying for seeking approval under FC Act, this will fit into the case, where the proposal under FC Act is under consideration and forest land is diverted before grant of FC. Hence, the State Govt. will initiate disciplinary action against official concerned as per provision of 1.21 (ii)c and will prosecute the User agency for violation under local act of the State for unauthorised use of forest land without the permission of the State Authority as per 1.21 (ii)d of the Handbook of Forest (Conservation) Act, 1980 and Forest Conservation Rules, 2003 (Guidelines and clarifications), 2019 of MoEF & CC. A report for action taken needs to be submitted.”*

8. The Range Officer Gool vide this office No. RFD/6357 Dated:-27-10-2022 and RFD/FCA/6488 Dated:-04/05/2022 was asked to take immediate actions and submit the action taken report.
9. The Range Officer Gool vide his No.767/GR dated:-10/12/2022 **(Copy enclosed as Annexure-ⓐ)** submitted report that the damage case No. **05 of 2022-23** has been booked against the User Agency and Executing Agency JK Engineer for violation of the Forest (Conservation) Act 1980 and Indian Forest Act, 1927 and investigation is under progress. However he has submitted that the sanction for prosecution is required against the officials of the TLMD-III under section 197 of CrPC, 1973 the details of which is as under:-

S. No.	Name	Designation
1.	Shiv Kumar Anand	Executive Engineer TLMD-III
2.	Sanjeev Kumar Pathania	Assistant Executive Engineer TLMD-III
3.	Kawaljeet Singh	Junior Engineer TLMD-III

As far as the disciplinary action against concerned field officials is concerned, Range Officer Gool has submitted that no such negligence as part of Forest Officials is noticed, as the Forest Officials have taken proper cognigence of the violation committed by the User Agency and stopped the illegal land breaking of Forest Land. The concerned field staff also reported the matter to Range Officer Gool well in time as required under rules and ensured complete suspension/stoppage of any non-forestry activity on the Forest Land. Block Officer concerned also worked out the loss to forest property and submitted the assessment of damage so that the compensation of forest damage can be ensured by recovering penalty from the User Agency within the preview of Govt. Order issued under the provision of Jammu & Kashmir Forest Conservation Act, 1997.

In this regard, it is submitted that the matter may kindly be taken up with higher authorities for sanction of prosecution against the officials of TLMD-III mentioned above in light of the section 197 of the code of the Criminal Procedure, 1973.

Yours faithfully

  
13.12.22  
**Divisional Forest Officer**  
**Ramban Forest Division**  
**Ramban**

Copy submitted to **the Chief Conservator of Forests Jammu** for information and kind perusal.



Jammu and Kashmir Forest Department  
**OFFICE OF THE DIVISIONAL FOREST OFFICER**  
**RAMBAN FOREST DIVISION, RAMBAN**  
Tel/Fax-01998-266623, Email-dforamban@gmail.com

**Range Officer,  
Gool**

No. RFD/FCA/20-21/ 35-36

Dated:- 03<sup>04</sup>/03/2021

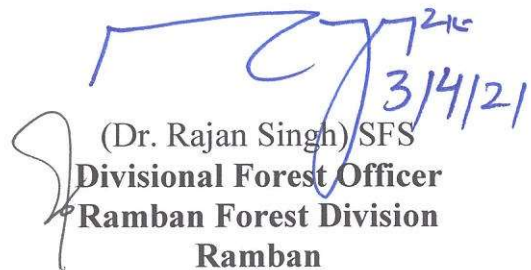
**Subject:-Construction of 132 KV D/C Ramban-Sangaldan-Transmission line for providing power supply to Konkan Railway- FP/JK/RAIL/45324/2020-regarding conduction of inquiry.**

Whereas undersigned along with the Range Officer Gool, JE TLMD and forest officials visited the locations where the forest land is to be diverted for construction of the towers in Ramban Forest Division on dated:24-01-2020 and noticed some violations done by the User Agency before approval of the project and accordingly you were asked to submit the details of the damage along with your assessment.

Whereas vide your office No. 532/GR Dated:04-03-2021, the details have been submitted the details of damage done by User Agency along with assessment. It has been reported damage of 0.159 ha area along with 150 saplings with NPV 11.60 lacs.

Whereas as per this office record, no reports have been received from any ground staff through your office regarding the damage done by the User Agency before approval of the project and action taken against the User Agency.

In this regard, you are directed to conducted a thorough inquiry and put up the details of the delinquent officials along who have failed to report damage and allowed the User Agency to start work without approval and also initiate the necessary legal actions against the User Agency. The report shall be submitted within 15 days.

  
(Dr. Rajan Singh) SFS  
**Divisional Forest Officer**  
**Ramban Forest Division**  
**Ramban**  
3/4/21

Copy submitted to **the Conservator of Forests, Chenab Circle Doda** for kind information.

## OFFICE OF THE RANGE FOREST OFFICER, FOREST RANGE GOOL.

The Divisional Forest Officer,  
Ramban Forest Division,  
Ramban.

No:- 312/GR  
Dated:- 17-12-2021

*Sub:- Damage of forest property by means of illegal land breaking by JK Engineers during erection of transmission towers of 132 KV Ramban Sangaldan transmission line.*

*Ref:- This office letter No:- 532/GR Dated:- 04-03-2021.*

*Your office letter No:- RFD/FCA/20-21/35-36 Dated:-03-04-2021.*

Sir,

In context of subject cited above, it is submitted as under:-

Whereas, as reported by Block officer Sangaldan, forest land falling under Co. No 43/Ar and 44/Ar stands diverted to power development for construction of 132KV Ramban Sangaldan Transmission Line.

Whereas, during course of erection of transmission line towers, illegal land breaking by user agency has been noticed on non diverted forest land thereby violating the terms and conditions of government orders governing diversion of forest land.

The details details of damage have been worked out as under:-

S.No.	Comptt.	Nature of Damage		Eco-Class	NPV/Rate	Amount
		Land breaking by heavy machinery	Area affected (In Ha)			
01	43/Ar	--	0.013	V	657000	8541.00
02	44/Ar	--	0.146	V	657000	95922.00
03		Damage to Plant Saplings	150 No's	--	77	11550.00
Total Cost of damage						116130.00
Total penalty liable to be imposed @ 10 times						1160130.00



Whereas, the user agency was directed for joint verification of damage caused to forest property so that the penalty liable to be imposed under rules can be worked out from defaulting user agency/Contractors viz JK Engineers.

Whereas the user agency has deliberately avoided undertaking joint verification of the forest land.

The officials of the user agency have failed to adopt due diligence as required under rules to avoid violation of forest laws.

In view of the above, it is submitted that penalty to the tune of rupees 1160130.00 may please be imposed against user agency for damaging forest property as the user agency has failed to convey its reservation regarding the penalty worked out by this office.

The information desired by your good office Vide No:- RFD/FCA/2021/1345 Dated 23-03-2021 is tabulated as under:-

1	Detail of Violations	Land breaking by heavy machinery and damage to plant saplings 150 No's
2	Area of forest land involved in violation	0.159 Ha
3	Name of persons involved in violation	1.KamalJeet Singh 2.Sanjeet Pathania,
4	Designation and address of persons responsible for violation	1.JE,TLMD III Udhampur 2. AEE,TLMD III Udhampur
5	Action taken against the persons responsible for violation	Fine penalty raised by Range Officer Gool Vide No:-532/GR Dated:- 04-03-2021

Yours faithfully,

O/HC  
Put up the damage bill  
[Signature]

[Signature]  
Range Forest Officer  
Forest Range  
Gool



OFFICE OF THE RANGE FOREST OFFICER,  
FOREST RANGE GOOL.

No. 532/GR  
Dt: 04-03-2021

The Divisional Forest Officer,  
Forest Division Ramban.

Subj: Damage of forest property by means of illegal land breaking by JK Engineers during erection of transmission line towers of 132 KV Ramban Sangaldan transmission line.

Sr.

On the subject cited above it is submitted that as reported by Block Officer Sangaldan forest land falling under commit. No 43/Ar. And 44/Ar stands diverted to Jammu Power Development Corporation Ltd. for construction of 132 Kv Ramban Sangaldan transmission line. During course of erection of transmission line towers illegal land breaking by user agency has been noticed on non diverted forest land thereby violating the terms and conditions of Govt. order governing diversion of forest land. The detail of damage has been workedout as under:

S.No	Commit	Nature of damage		Eco class	NPV/Rate	Amount
		Land breaking by heavy machinery	Area/No			
01	43		0.015	V	657000	8541.00
02	44		0.146	V	657000	95922.00
		Damage to plants	150 saplings		77	11550.00
<b>Total cost of damage</b>						<b>116013.00</b>
<b>Total penalty liable to be imposed</b>						<b>11,60,130.00</b>

Hence submitted with the request that user agency may please be directed for joint verification of damage caused to forest property so that the penalty liable to be imposed by the rules can be realized from defaulting user agency/contractor viz JK Engineers.

Yours faithfully,

~~Range Forest Officer  
Forest Range Gool~~

~~Range Forest Officer  
Forest Range Gool~~



- Copies to
1. Chief Engineer KRCL for information
  2. Executive Engineer, HMD -III Udhampur
  3. Sub-Divisional Police Officer for legal action regarding criminal trespass over forest land and damage of Govt. property



Government of Jammu and Kashmir  
Forest, Environment & Ecology Department.  
Civil Secretariat.

Subject: Diversion of 6.2721 Ha. of forest land for laying of 132 KV D/C Transmission Line from Ramban to Sangaldan in Mahore Forest Division by J&K PDD (For Konkan Railway).

Reference: i. Minutes of 113th Forest Advisory Committee (FAC) Meeting held on 11.03.2019 under the Chairmanship of Chief Secretary (Chairman FAC) issued by Chief Conservator of Forests/Nodal Officer vide No PCCF/FCA/2903/1451-70 dated 25.03.2019.  
Cabinet Decision No. 125/14/2019 dated 07.06.2019 conveyed by the General Administration Department.  
State Administrative Council Decision No. 189/19/2019 dated 30.07.2019 conveyed by General Administration Department

Government Order No:- 290 -FST of 2019

Dated:- 24 -09-2019

Sanction is hereby accorded to diversion of 6.2721 Ha. of forest land for laying of 132 KV D/C Transmission Line from Ramban to Sangaldan in Mahore Forest Division by J&K PDD (For Konkan Railway) with the following particulars and subject to the terms and conditions appearing herein after

Details of the Proposal:

- 1. User Agency/Applicant JK PDD
- 2. Location
  - Compt : 07/Ar, 43/Ar and 44/Ar
  - Range : Gool
  - Block : Sangaldan
  - Division : Mahore Forest Division
  - District : Ramban
- 3. Objective : To provide power supply to proposed Gnd Station of M/S Konkan Railway Corporation Limited (KRCL) at Sangaldan

4. Salient Features of the project:

i	Total Length of the transmission line	17.58 Km
ii	Length of transmission line through Forest land	2323 Mtrs
iii	Width of corridor	27.00 Mtrs

Handwritten notes on the left margin: "no:- 2090", "31-12-2019", "21/20/19", "Forest Division", "HQ Dharmpuri".

Handwritten notes on the left margin: "322222", "12/15", "30/09/19", "7/11/19", "(Part) 3", "30/09/19".

Handwritten signatures and dates at the bottom: "JA(CA)PA", "372", "11/2/019".

IV	Forest land required for corridor	6.2721 Ha.
IV	Forest land required for 9 transmission towers with 18m X 18m specification	Area involved under tower is already included in area of corridor.
VI	Total No. of dumping sites on forest land	Nil, as User Agency undertaken that Mulba so excavated from construction of towers shall be reused in filling of tower locations.
VII	Total forest land required	6.2721 Ha.
VIII	Protection work	Not required

5 Number of Trees / Poles/ Saplings involved:

Species	Trees (30-40cm & above)	Poles (20-30cm & 10-20cm)	Saplings (0-10cm)	Total
Chir ( <i>Pinus roxburghii</i> )	162	70	00	232
<b>Broad Leaved:</b> Kau ( <i>Oleo cuspidata</i> ) and Phalai ( <i>Acacia modesta</i> )	28	00	00	28
<b>Total</b>	<b>190</b>	<b>70</b>	<b>00</b>	<b>260</b>

6. a Whether the forest land proposed to be used for non-forest purpose forms part of a natural reserve, national park, wildlife sanctuary, biosphere reserve or forms part of the habitat of any endangered or threatened species of flora and fauna or any area lying in severely eroded catchment.

No

b Whether the use of any forest land is for agriculture purposes or for the rehabilitation of displaced persons.

No

c Whether the Principal Chief Conservator of Forests had certified that it has considered all other alternatives and that no other alternative in circumstances are feasible and that the required area is the minimum needed for the purpose, and

Yes

d Whether the department or authority requisitioning forest land for non-forest uses undertakes to provide at its own cost acquisition of an equivalent area and afforestation thereof.

The User Agency, requisitioning forest land for non-forest purpose has not undertaken to provide an equivalent area at its own cost of acquisition. It has

of afforestation on double the forest area. Further it has also undertaken to pay the NPV as per the Hon'ble Supreme court directions.

7. Net Present Value of forest land involved:

Comptt. No.	Area involved (Ha.)	Crop Density	Eco-Value Class	Rate/ Ha (Rs. In Lac)	Amount (Rs.)
07/Ar. 44/Ar	2.96731	Dense	V	8.45	25,07,377/-
43/Ar	3.3048	Very Dense	V	9.39	31,03,207/-
	6.2721		Total		56,10,584/-

8.	Compensatory Afforestation for double the area i.e. 12.5442 Ha. @ Rs.1 Lac per Hectare	Rs. 12,54,420/-
9.	Compensation of trees/poles/saplings	Rs. 11,93,041/-

The User Agency shall pay the amount summarized below to the Forest Department.

S.No.	Component	Amount
i.	Net Present Value	Rs. 56,10,584/-
ii.	Compensatory Afforestation	Rs. 12,54,420/-
iii.	Compensation of trees	Rs. 11,93,041/-
	<b>Total</b>	<b>Rs. 80,58,045/-</b>

**Terms and Conditions:-**

1. The proprietary and legal status of forest land shall remain unchanged.
2. The User Agency and /or its contractors will not bring any forest area under their use, other than the actual area/activity approved by the Government for the instant proposal. Any laxity or deviation on this account by the User Agency or its contractors will attract penal provisions of the relevant Acts/legal provisions.
3. The forest land shall be utilized only for the purpose for which it has been indented.
4. The forest land shall not be mortgaged, reassigned, leased or sub-leased by user agency in any manner what so ever to any other agency.
5. The User Agency shall pay the amount summarized above to the Forest Department.
6. The User Agency shall pay the additional amount of NPV, if so determined as per decision of the Hon'ble Supreme Court of India.

- (i) The extraction of the trees /poles/saplings shall be done by the State Forest Corporation/Divisional Forest Officer concerned on the basis of markings administratively approved by the Chief Conservator of Forests, Jammu. The marking for tree felling will be done in consultation with the user agency and effort shall be made to save maximum number of trees/poles/saplings. The cost of extraction shall be paid by the User Agency directly to the agency executing the extraction.
- (ii) The fundamental rule for marking of trees enumerated during processing of the proposals will be to save maximum number of trees without compromising with the construction and maintenance of the approved project structure and no trees/poles/saplings will be felled/cut/pruned/ lopped for purposes/project activities other than those approved/sanctioned.

Extraction shall be done as per guidelines prescribed by the Ministry of Environment and Forests vide its no. F.No. 7-25/2012-FC dated 5th May 2014, which has been formulated in consultation with the Central Electricity Authority. Extraction will be carried out in following steps:

- (i) *Marking list for felling of trees will be prepared by the local forest officer (DFO concerned) for the felling of trees coming in the alignment of foundation of towers and along the strip, as per requirement of the User Agency. Fundamental rule for the marking will be to save maximum number of trees without compromising with the construction and maintenance of the transmission line.*
- (ii) *Forest area required for foundation of the towers and three meter strip below each conductor bundle, which would be marked by the User Agency on the ground, will be cleared first. Trees on this area will be felled, but after stringing work is completed, natural regeneration will be allowed to come up. Felling/ pollarding/ pruning of trees will be done with the permission of the DFO concerned wherever necessary to maintain the electrical clearance. One outer strip will be left clear to permit maintenance of transmission line.*
- (iii) *During construction of transmission line, pollarding/ pruning of trees located outside the width (three mt) of the strips, whose branches/parts infringe with conductor string, shall be permitted to the extent necessary, as may be decided by local forest officer.*
- (iv) *Pruning of trees for taking construction/ stringing equipments through existing approach/ access routes in forest areas shall also be permitted to the extent necessary, as may be decided by local forest officer. Construction of new approach/ access route will however, require prior approval under the Act.*
- (v) *In the remaining width of right of way, trees will be felled or lopped to the extent required, for preventing electrical hazards by maintaining 4 meter of minimum clearance between conductor and trees.*

(vi) To avoid any hazard, felling/cutting/pruning of those trees which because of their height/ location may fall on conductors shall also be permitted, as may be decided by the local forest officer.

(vii) In the case of transmission lines to be constructed in hilly areas, where adequate clearance is already available, trees will not be cut except those minimum required to be cut for stringing of conductors.

8. Plantation of shrubs/bushes and small size tree species will be done all along the Transmission line on forest land. A separate project would be prepared by the Forest Department in consultation with the User Agency for the purpose which would be funded by the User Agency. Plantation will be done after the stringing of conductor has been completed.

9. The User Agency shall construct retaining walls/breast walls on forest land and take all necessary steps to check soil erosion which may result due to proposed construction.

10. Any damage done to the forest by the User Agency or its contractors shall be charged from the User Agency @ 10 times as per the revised standard rate of 2018 issued vide the Government Order No. 10-FST of 2018 dated 09.01.2018.

11. The forest land so allowed for use shall return to the Forest Department free of any encumbrances when it is no longer required by the User Agency.

12. The User Agency shall be responsible for obtaining requisite clearances under any other law in vogue before commissioning of the project including Geology and Mining Department.

13. The approval will remain valid for one year and in case the due amount against the project summarized above is not paid within the stipulated period i.e. from that date when user agency is asked to deposit the due amount, the approval shall be deemed to have been cancelled.

14. The User Agency shall ensure that there is no pollution of the river(s) passing by the transmission line or any road or other project related activity. Further conditions as prescribed by the Union Ministry of environment, Forests & Climate Change vide its No.F.No.7-25/2012-FC Dated 5<sup>th</sup> May 2014 and shall be strictly followed by the User Agency.

By order of the Government of Jammu and Kashmir.

Sd/-

(Manoj Kumar Dwivedi) IAS  
Commissioner/Secretary to Government  
Forest, Ecology & Environment Department

No:- FST/Land/14/2019

Dated: 24.09.2019

Copy to the :-

1. Secretary to Government of India, MoEF&CC, New Delhi.
2. Commissioner/Secretary to Government, Power Development Department.
3. Pr. Chief Conservator of Forests, J&K, Srinagar.
4. Managing Director, SFC, J&K, Srinagar.
5. Chief Conservator of Forests, Jammu.
6. CCE/Node/Officer, ECA, Office of PCCF, J&K, Srinagar.

- 7 Chief Engineer Power Development Department, Jammu
- 8 Director Archives Archeology & Museums, J&K, Srinagar
- 9 OSD to Hon'ble Advisor (K) for information of Hon'ble Advisor
- 10 Pvt Secy to the Chief Secretary (Chairman FAC)
- 11 Pvt Secy to Commr /Secretary to Government Forests, Env & Ecology Department
- 12 Pvt Secy to Secretary(Technical) Forests, Env & Ecology Department
- 13 Government Order file (w 2.s c)/Stock file

Under Secretary to Government  
Forest, Ecology & Environment Department

Government of Jammu and Kashmir

Office of the Principal Chief Conservator of Forests, J&K

NO PCC/FC/2120-II-4594-98

Dated 19-10-2019

Copy of above forwarded for necessary action to the.

1 Chief Conservator of Forests, Jammu.

Office: West Circle, Bujouri



**OFFICE OF THE DIVISIONAL FOREST OFFICER RAMBAN**  
**RAMBAN FOREST DIVISION, RAMBAN**

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Damage bill No. 02 of 2021-22 in favour of Executive Engineer, TLMD-III Udhampur on account of illegal land breaking by JK Engineers while erection of transmission line towers of 132 KV, Ramban to Sangaldan Transmission line, sanctioned vide Govt. order No. 290-FST of 2019 dated 24-09-2019 as per Clause No. 10 of the sanction.


S.No.	User Agency	Location	Comptt. No.	Type of violation	Eco-Class	Area involved (in Ha)	NPV rate admissible per Ha. (in Rs)	Compensation @ 10 times (in Rs)	No. of saplings damaged / burried (in Nos)	Standard Rate (in Rs)	Compensation @ 10 times (in Lakhs)	Grand Total (in Rs.)
1	TLMD-III (JKPDC Ltd)	Haroge Battrra	43/AR	Illegal land breaking	V	0.013	6,57,000	85,410	150	77	1,15,500	2,00,910
2		Haroge Battrra	44/AR	Illegal land breaking	V	0.146	6,57,000	9,59,220	0	0	0	9,59,220
<b>Total</b>						<b>0.159</b>		<b>10,44,630</b>	<b>150</b>		<b>1,15,500</b>	<b>11,60,130</b>

No.RFD/Damage/21-22/602428 Dated :- ...../12/2021

  
Divisional Forest Officer  
Ramban Forest Division  
Ramban

Copy submitted to the :-

- 1 Chief Conservator of Forests, Jammu for favour of information.
- 2 Chief Conservator of Forests, Nodal Officer FCA O/o Pr. Chief Conservator of Forests, J&K Jammu for favour information.
- 3 Conservator of Forests, Chenab circle, Doda for favour of information.
- 4 Executive Engineer, TLMD III Udhampur for information and n/action. The amount of damage bill raised as above be deposited immediately into the official account No. 0087010200000263 of Divisional Forest Officer Ramban
- 5 Copy to Range Officer, Gool for information and n/action. This is in reference to his damage bill No. 532/GR dated 04-03-2021 & No. 312/GR Dated:-17-12-2021

  
Divisional Forest Officer  
Ramban Forest Division  
Ramban


**Full Title of the Project:** Construction of 132 KV D/C Ramban Sangaldan Transmission Line for providing power supply to Konkan Railway  
**File No:** FP/JK/TRANS/145320/2021  
**Date of Proposal:** 27-07-2021

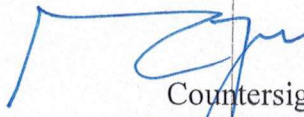
**UNDERTAKING FOR PAYMENT OF NET PRESENT VALUE OF FOREST AREA**

It is to certify that I/We **Sh. Shiv Kumar Anand, Executive Engineer TLMD 3 Udhampur** have applied for diversion of **4.37 ha (3.03 ha in Ramban Forest Division & 1.34 ha in Batote Forest Division)** of forest area for the purpose of **Construction of 132 kv D/C Ramban Sangaldan Transmission Line for providing power supply to Konkan Railway.** I/We, hereby undertake to pay the net present value (NPV) of the above forest land. I/We also hereby undertake to pay the additional amount of NPV, if so determined as per the decision of the Hon'ble Supreme Court, at a later date.

Place: Ramban  
Date:06-12-2021

SK  
AEE

  
Signature of User Agency  
Executive Engineer,  
Transmission Line Maintt. Div-III,  
Office Seal  
Udhampur

  
Countersigned  
Divisional Forest Officer,  
Divisional Forest Office,  
Office Seal  
Ramban Forest Division,  
Ramban



Jammu and Kashmir Forest Department

**OFFICE OF THE RANGE FOREST OFFICER**

**FOREST RANGE GOOL**

☆☆☆☆☆☆

The Divisional Forest Officer,  
Ramban Forest Division,  
Ramban.

No. 767 /GR Dated:- 10 /12/2022

*Subject:- Proposal for construction of 132 KV D/C Ramban-Sangaldan-Transmission line for providing power supply to Konkān Railway; violation of Forest Conservation Act 1980, requirement of proper sanction for persecution of the official of TLMD-III.*

Sir,

On the subject cited above, the following lines are submitted for your kind consideration,

1. The Forest land measuring **6.2721** Ha of Forest land stand diverted to the User agency that TLMD-III for erection of **09** Nos of transmission line towers of 132 kv Transmission line in Gool Range as per preliminary Survey.
2. During the final and check survey **06** Nos of additional towers were required to be erected on Forest land measuring **3.03** Ha.
3. The Officials of User agency & Executive Agency i.e. JK Engineers started foundation work of additional towers of for which illegal land breaking was undertaken on non-diverted Forest land in Co. 43/Ar & Co.44/Ar without approval from the competent authority.
4. The concerned field Staff immediately took the cognigence of the violation committed by the User Agency & Executive Agency and stopped the illegal land breaking of Forest land. The concerned field staff also reported the matter to Range Office Gool well in time as required under rules, and ensured complete suspension/stoppage of any non-forestry activity on the Forest land. Block Officer concerned also worked out the loss to forest property and submitted the assessment of damage so that the compensation of forest damage can be ensured by recovering penalty from the User Agency within the perview of Govt. Order issued under the provision of Jammu & Kashmir Forest Conservation Act governing the construction of 132 kv transmission line in Co. 43/Ar & 44/Ar. The Officials of User Agency were directed to place a fresh proposal for the additional forest land.
5. The User Agency moved proposal for diversion of additional Forest land measuring **3.03** Ha falling under Co. 43/Ar & 44/Ar for erection of additional towers on PARIVESH portal.
6. The concerned field staff visited the indented additional forest land so that the case of diversion of forest land can be processed under Forest Conservation Act-1980.
7. The field staff submitted the spot verification report wherein it was reported that the User Agency has proposed for diversion of additional Forest land measuring **3.03** Ha for construction of **06** Nos of Transmission line towers in Co. 43/Ar and 44/Ar.
8. During processing of the proposal for use of additional forest land the damage caused by the User Agency by means of illegal land breaking was mentioned under violation section and penalty amounting to rupees **1160130/=** raised in favour of Executive Engineer, TLMD-III Udhampur on account of illegal Land breaking along with the undertaking by the User Agency for payment of same was also submitted along with the case to the Conservator of the Forests,

Chenab Circle, Doda through PARIVESH Portal and finally the EDS was raised by the IRO MoEF& CC vide file No. File No: 9-JKB-052/2022-Jammu October, 2022. Point iv of the EDS is reproduced as under:-

*“iv. There is violation reported by the DFO, Ramban. The State Govt. is required to verify if the violation was committed before applying for seeking the clearance under Forest Conservation Act, 1980. If the act of violation was done after applying for seeking approval under FC Act, this will fit into the case, where the proposal under FC Act is under consideration and forest land is diverted before grant of FC. Hence, the State Govt. will initiate disciplinary action against official concerned as per provision of 1.21 (ii)c and will Prosecute the User agency for violation under local act of the State for unauthorised use of forest land without the permission of the State Authority as per 1.21 (ii) d of the Handbook of Forest (Conservation) Act, 1980 and Forest Conservation Rules, 2003 (Guidelines and clarifications), 2019 of MoEF&CC. A report for action taken needs to be submitted.”*

9. In compliance to instruction issued by your office vide No. RFD/6357 dated 27-10-2022 and RFD/FCA/6488 dated 04/05/2022 damage case has been booked against User agency and Officials of Executive Agency in Forest offence registered as Damage case No. **05 of 2022-23**, copy of Forest Offence report along with the proceeding of investigation enclosed herewith for your kind perusal. Investigation is still under progress for violation of Indian Forest act 1927 and Forest Conservation act 1980.

However, for framing of charges and filing of charge sheet before Criminal court as a part of prosecution is required against the officials of the TLMD-III under section 197 of CrPC, 1973 the details of which are as under:-

S.No.	Name	Designation
1.	Kawaljeet Singh	Junior Engineer TLMD-III
2.	Sanjeev Kumar Pathania	Assistant Executive Engineer TLMD-III
3.	Shiv Kumar Anand	Executive Engineer TLMD-III

In this regard, it is submitted that the matter may kindly be taken up with higher authorities for sanction of prosecution against the officials of TLMD-III mentioned above in light of the section 197 of the code of the Criminal Procedure, 1973.

10. As for as disciplinary action against concerned field officials is concerned, it is submitted that Forest Officials have taken proper cognizance against the offence as mentioned in detail in Para 04(above), as such no negligence as part of Forest Officials is noticed.

Yours faithfully

1  
  
Forest Range Officer  
Forest Range  
Chenab  
Gool