



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन एवं राजमार्ग मंत्रालय, भारत सरकार)

National Highways Authority of India

(Ministry of Road Transport & Highways, Govt. of India)

क्षेत्रीय कार्यालय (उत्तराखण्ड) - मकान नं.-58/37, बलबीर रोड, देहरादून- 248001

Regional Office (Uttarakhand) - House No.-58/37, Balbir Road, Dehradun- 248 001

Phone : 0135-2669752 & 62 E-mail : routtarakhand@nhai.org Website : www.nhai.gov.in

5063/NHAI/RO-UKD/2014/18219

Dec, 08, 2022



Invitation of Public Comments

Sub:-Development of 6lane access controlled Spur to Haridwar from Delhi-Saharanpur-Dehradun Corridor from Ch.0+00 to Ch.50+700 of NH-344BG in the State of Uttarakhand &Uttar Pradesh under NHDP-IV on HAM under Bharatmala Pariyojna

S.H:-Application/Proposal of M/s DFCCIL for crossing of 132KV D/C TapriTSS (IR)-Talheri TSS (DFCCIL) line at Ch.5+300 (Near Village-Dagrauli-Gangoli, District-Saharanpur) on NH-73 (New NH-344BG) in the State of Uttar Pradesh-reg

It is to inform to all concerned that the Project Manager(Electrical), DFCCILMeerut has submitted the subject proposal to PD PIU-Roorkee for grant of permission towards the work of crossing of 132KV D/C Tapri TSS (IR)-Talheri TSS (DFCCIL) transmission line over National Highway at Ch.5+300 of NH-73 (New NH-344BG) in the State of UttarPradesh as being constructed/executed by M/s POWERGRID.

2. From the submitted proposal as recommended by PIU vide letters dt. 29.11.2022, following have been noted as per submitted duly signed checklist & plan (copy enclosed).

(i)	National Highway No	NH-344BG (Old NH-73)
(ii)	Name of Crossing	132KV D/C Tapri TSS (IR)-Talheri TSS transmission line (AP-12/0 (DD+9) to AP-12A/0 (DD+9))
(iii)	Crossing Chainage	Ch.5+300 of Spur to Haridwar section of NH-344BG (Old NH-73) near Village-Dagrauli-Gangoli, Dist.-Saharanpur)
(iv)	Position of towers from edge of ROW	Outside of NH RoW (AP-12/0- 80m & AP-12A/0-85.5m away from NH RoW)
(v)	Crossing Span	225.01m
(vi)	Clearance of FRL from bottom conductor of transmission line	13.398m
(vii)	Angle of road crossing	90 degree

3. As per the Guidelines issued by Ministry vide OM No. RW/NH-33044/29/2015S&R(R) dated 22.11.2016, the application is to put out in the public domain for 30 days for seeking public comments/objections (on the ground of public inconvenience, safety and general public interest).

In view of the above, the comments/objections of the public on the above application are invited to the below mentioned address, which should reach by this office within 30days from the date of uploading beyond which no comments shall be entertained.

The Regional Officer,
National Highways Authority of India
(Ministry of Road, Transport &Highways)
Regional Office-Uttarakhand
House No.-58/37, Balbir Road, Dehradun-248001

Yours faithfully,

C.K. Sinha
(C.K Sinha)

C.G.M (Tech.) cum RO-Uttarakhand

Encl: As above.

Copy to: 1) Web Admin-NHAI HQ, New Delhi: - with request for uploading on the NHAI website.

2) The Technical Director, NIC, Transport Bhawan, New Delhi: - with request for uploading on the Ministry's Website.

3) PD, PIU-Roorkee- for information& suitable necessary action.



सत्यमेव जयते

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन एवं राजमार्ग मंत्रालय, भारत सरकार)

National Highways Authority of India

(Ministry of Road Transport & Highways, Govt. of India)

परियोजना कार्यान्वयन ईकाई-रूड़की,

Project Implementation Unit-Roorkee

मकान नं० 181, शास्त्री पुरम, निकट होटल गोदावरी, रूड़की-247667

House No. 181, Shashtri Puram, Near Hotel Godawari, Roorkee-247656

दूरभाष/Phone : 01332-357626, ई-मेल/E-mail: piuroorkee@nhai.org



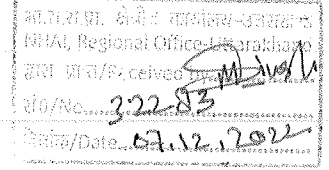
96
09/12/2022

NHAI/PIU-RRK/NH-344BG/77001/NOC/2021/ 6586

Dated: 29.11.2022

To,

Regional Officer
National Highways Authority of India
58/37, Balbir Road,
Dehradun - 248001



Sub: Development of 6-lane access-controlled Spur to Haridwar from Delhi-Saharanpur-Dehradun Corridor in the state of Uttar Pradesh 7 Uttarakhand on Hybrid Annuity Mode under Bharatmala Pariyojana (from Ch. 0.000 to Ch. 50.700).

- Proposal for crossing of 132 KV DC Tapri TSS (IR) - Talheri TSS (DFCCIL) line at Ch. 5+300 (near Vill. Dagrauli-Gangnoli, Distt. Saharanpur) on NH-73 (new NH-344BG) in state of Uttar Pradesh -reg.

- Ref.**
1. POWERGRID letter no. PG/NR-I/ROORKEE/DFCC/22/348 dt. 17.11.2022
 2. This office letter no. NHAI/PIU-RRK/NH-344BG/77001/NOC/2021/6382 dt. 02.11.2022
 3. This office letter no. NHAI/PIU-RRK/NH-73/77001/Spur to Haridwar/2021/4873 dt. 03.03.2022
 4. This office letter no. NHAI/PIU-RRK/66001/BM/Spur to Haridwar/2021/5746 dt. 15.07.2022
 3. M/s DFCCIL, Meerut letter no. CPM/MTC/EL/NH/ dt. 27.05.2022

Sir,

Please refer to letter from M/s DFCCIL, Meerut letter no. CPM/MTC/EL/NH/ dt. 27.05.2022 proposal seeking permission for crossing of 132 KV DC Tapri TSS (IR) - Talheri TSS (DFCCIL) line at Ch. 5+300 (near Vill. Dagrauli-Gangnoli, Distt. Saharanpur) on NH-73 (new NH-344BG) in state of Uttar Pradesh has been submitted to this office.

2. The subject proposal was forwarded to DPR Consultant i.e., M/s Transys Consulting Pvt. Ltd. vide this office letter no. NHAI/PIU-RRK/NH-73/77001/Spur to Haridwar/2021/4873 dt. 03.03.2022 (copy enclosed) and to Concessionaire i.e., M/s Krishna Constellation Pvt. Ltd. vide letter no. NHAI/PIU-RRK/66001/BM/Spur to Haridwar/2021/5746 dt. 15.07.2022 to examine the same in accordance with the MoRT&H Circular No. RW/NH-33044/29/2015/S&R(R) dt. 22.11.2016. Subsequently, DPR Consultant recommended the subject proposal vide letter no. Transys/01/412/Roorkee/NHAI/2021-22/286 dt. 21.03.2022 (copy enclosed). However, beside reminders sent vide letter no. NHAI/PIU-RRK/66001/BM/Spur to Haridwar/2021/6187 dt. 28.09.2022 no reply/comments have been received from Concessionaire's end. Further, the said proposal has been examined in this office, accordingly the following points are to be submitted;

- (a) The proposed crossing of overhead transmission line is at Ch. 5+300 (near Vill. Dagrauli-Gangnoli, Distt. Saharanpur) on NH-73 (new NH-344BG) in state of Uttar Pradesh.
- (b) The applicant M/s Dedicated Freight Corridor Corporation of India Limited has submitted a self-certified proposal as per prevailing Ministry Guidelines. The undertakings & drawings are in conformity with MoRT&H Guideline.
- (c) It is to submit the proposed FRL of the subject project is approx. 6m. In this regard, POWERGRID vide this office letter no. PG/NR-I/ROORKEE/DFCC/22/348 dt. 17.11.2022 has submitted that as per regulation (1) of regulation (60) of Central Electricity Authority Safety Regulation 2022 (copy enclosed), required electrical clearance in r/o 132KV transmission line is 11.6m for National Highway crossing. However, the clearance of FRL of road surface bottom conductor of proposed transmission line is 13.398m which is sufficient as desired.
- (d) It is to submit that the subject proposal for crossing of overhead transmission line is only for overhead crossing and tower of the said line is 65m away from toe of the ROW on both side of NH.

- (e) The duly signed and stamped checklist, drawings, strip/layout plan, cross sectional along & across etc. has been enclosed.
- (f) It is submitted that M/S DFCCIL is Enterprises of Indian Govt. (under Ministry of Railways). Competent Authority has authorized applicant for signing all legal document, drawings etc. related to cited subject and Power of Attorney is not required in this case. However, authorization letter is attached.
- (g) It is submitted that all safety regulations will be followed up by executing agency during construction of transmission lines. Further, prior approval of Electrical Safety Inspector (Railway) will be taken before charging of line as per norms.
- (h) Methodology for crossing of overhead line is attached herewith & all supportive drawings are already enclosed with proposal.
- (i) The License Deed as submitted has been examined/checked in this office and found as per extant Ministry Guidelines.
- (j) It is submitted that NHAI Policy Circular No 7.5.3 dated 03.11.2020 is related to NHAI and transmission lines of POWERGRID. This proposal is related to 132KV D/C transmission line projects owned by M/s DFCCIL. POWERGRID is only in role of consultant and executing agency. Therefore, this circular is not applicable in case of M/s. DFCCIL. Complete proposal is prepared as per Ministry guidelines vide letter No. RW/NH-34044/29/2015/S&R (R) dated 22.11.2016.
- (k) The submitted checklist found in order.

3. In view of above, the Proposal for overhear crossing transmission line at Ch. 5+300 of NH 344BG in the state of Uttar Pradesh is recommended along with the following document for approval;

- (i) Proposal submission letter
- (ii) Drawing showing the proposed location of overhead crossing.
- (iii) Check List
- (iv) Certificate
- (v) Agreement for laying utility services on National Highways
- (vi) Undertakings
- (vii) Typical Cross Section for overhead crossing transmission line.

Thanking you.

Yours Sincerely



(Pradeep Singh Gusain)
GM(T) cum Project Director
NHAI, PIU-Roorkee

Encl.: 2 copies of proposal

Ref: PG/NR-I/ROORKEE/DFCC/22/ 348

Date: 17/11/2022

To,
General Manager (T) cum Project Director
National Highways Authority of India
PIU – Roorkee

भारत सरकार, पंकज-रूड़की
NHAI, PIU-Roorkee.
द्वारा प्रेषित/Received by: सोनी
सं/No. 10258
दिनांक/Date: 18/11/2022

Subject : Approval for National Highway crossing proposals across under construction 132KV
Tapri-Talhari transmission lines Electrical clearance reg.

Dear Sir,

This has reference to the followings

1. O/H crossing of the transmission line over National Highway vide Ref. DFCCIL/MRT/NHAI/NOC Dated 24/02/2022.

2. Our letter Ref. No. PG/NR-I/ROORKEE/DFCC/22/ dated 26/09/2022 and clearance clarification submitted vide Ref. No. PG/NR-I/ROORKEE/DFCC/22/ dated 27/09/2022.

You letter Ref. No. NHAI/PU-RRK/NH-334BG/77001/NOC/2021/6382 dated 02/11/2022

Power Grid Corporation of India Ltd. is constructing 132 KV D/C Jagadari-Tapri, Tapri-Talhari and Talhari-Jaraundanara transmission lines for Direct Freight Corridor Corporation of India Ltd (DFCCIL) on consultancy services. An O/H crossing proposal was submitted for 132 KV D/C Tapri-Talhari part as follows :-

SI NO	Name of Trans. Line & Crossing Span	Highway Name & Chainage/ Milestone	Submission date
1.	132KV D/C Tapri-Talheri line (AP-12/0 to AP-12A/0)	Delhi- Haridwar Expressway (NH-344 BG) Near – Dagrauli-Gangnoli village, Dist.- Saharanpur	24.02.2022

Followings are mentioned in reference to your cited letter dated 02/11/2022 for the clarification :-

1. Bottom conductor clearance from the existing ground level is 19.398 Meters (i.e. 4.591+ 14.807) on hot curve profile.

[Signature]

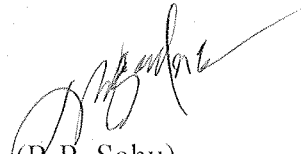
रजिस्टर्ड ऑफिस: बी-9, कुतुब इंस्टीट्यूशनल एरिया, कटवारिया सराय, नई दिल्ली-110 016, ईपीएबीएक्स: 011-26560112, 26560121, 26564812
Registered Office: B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi-110 016. Tel: 011-26560112, 26560121, 26564812

400/220 के.वी. उपकेन्द्र, रूड़की-देहरादून रोड, गांव - पुहाना, रूड़की, उत्तराखंड-247667, दूरभाष:-8650502499
400/220 Kv Sub-Station, Roorkee-Dehradun Road, Puhana, Roorkee, Uttarakhand-247667, Tel: - 8650502499
E-mail : - manojkumarsingh@powergrid.in, rpsahu@powergrid.in, lalitsre@powergrid.in

2. Learnt from the letter that FRL level of the NH surface is 6.0 meters approximately. Thus clearance of FRL of Road surface bottom conductor of proposed transmission line is ~~13.398~~ **meters.**
3. As per sub regulation (1) of regulation (60) of Central electricity Authority safety regulation 2022, required electrical clearance i.r.o. 132 KV Transmission line is 11.6 Meters for National Highway road crossing (attached). Hence, the clearance is more than sufficient from desired.

Please review the Electrical clearance issue as per the Indian Electricity rule and do the needful to accord approval at the earliest. Revised profile with FRL of 6.0 Metrs shall be submitted very soon.

Thanking you,


(R.P. Sahu)
General Manager
Mob. 9437962196

Minimum clearance in air above ground and across road surface of Highways or roads or railway corridors or navigational or non-navigational rivers for lowest conductor of an alternating current overhead lines, including service lines of nominal voltage system.

[See sub-regulation (1) of regulation (60)]

Nominal voltage of system	Clearance above ground			Clearance between conductor and road surface across Highway (m)	Clearance between conductor and rail level across Railway Corridor (m)	Clearance above HFL for River crossing	
	Across Street (m)	Along Street (m)	Elsewhere (m)			Navigational river (m)	Non-navigational river (m)
Upto 1000 V	5.80	5.50	4.60	U/G Cable	U/G Cable	16.50	5.80
11 kV	6.50	5.80	4.60	U/G Cable	U/G Cable	19.00	6.50
22 kV	6.50	5.80	5.20	U/G Cable	14.66	19.00	6.50
33 kV	6.50	5.80	5.20	11.60 or U/G Cable	14.66	19.00	6.50
66 kV	6.50	6.10	5.50	11.60 or U/G Cable	14.66	19.00	6.50
110 kV	6.50	6.10	6.10	11.60	15.56	19.00	6.50
132 kV	6.50	6.10	6.10	11.60	15.56	19.22	6.50
220 kV	7.02	7.02	7.02	12.52	16.46	20.10	7.02
400 kV	8.84	8.84	8.84	14.00	18.26	21.90	8.84
765 kV	18.00*	18.00*	18.00*	18.80	23.40	25.55	18.00
1200 kV	24.00*	24.00*	24.00*	30.00	23.00 (from highest traction conductor)	29.90	24.00

For navigable rivers, clearances shall be fixed in relation to the tallest mast in consultation with the concerned navigational/port authorities.

* Higher clearance due to predominantly induction effects and time varying electric field (ICNIRP limit: 10 kV/m for occupational exposure) at voltage exceeding 400 kV.

Railway Crossing clearances as per ACS 20 of IRSOD Dated 17-07-2017

POWER GRID CORPORATION OF INDIA LTD.

CORPORATE ASSET MANAGEMENT

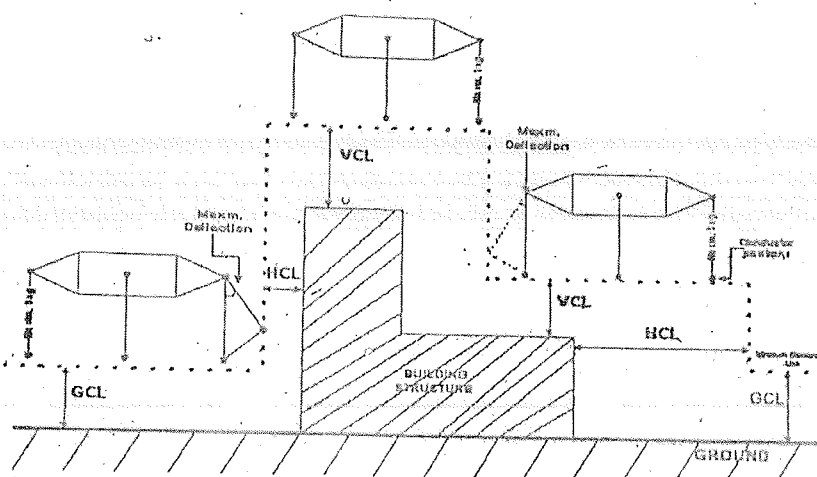
DOCUMENT NO: D-2-01-70-01-03-Part A

DOCUMENT NAME: PRE-COMMISSIONING PROCEDURES FOR TRANSMISSION LINES

Explanation: - For the purpose of this regulation the expression "building" shall be deemed to include any structure, whether permanent or temporary.

Schedule-X

Ground, Vertical and Horizontal clearances
[See sub-regulation (6) of regulation 58, sub-regulation (5) of regulation (60) and sub-regulation (5) of regulation 61]



GCL: Clearances as per Regulation 59
VCL: Clearances as per Regulation 60 & 61
HCL: Clearances as per Regulation 60 & 61

5.1.2.6 Minimum Clearance in air above ground and across road surface of Highways or roads for lowest conductor of an AC overhead lines, including service lines of nominal system voltage

As per sub regulation (1) of regulation (58) of CEA draft safety regulation 2021

Nominal system Voltage(in kV)	Clearance above ground			Clearance between conductor & road surface across high way(in meter)
	Across street (in meter)	Along street (in meter)	Elsewhere) (in meter)	
66	6.5	6.1	5.5	11.6 or U/G cable
132	6.5	6.1	6.1	11.6
220	7.02	7.02	7.02	12.52
400	8.84	8.84	8.84	14.0
765	18*	18*	18*	18.8
1200	24*	24*	24*	30

*Higher clearance predominantly induction effects and time varying electric field (ICNIRP limit:10 kV/m for occupational exposure) at voltage exceeding 400 kV



डेडीकेटेड फ्रेट कोरीडोर कॉर्पोरेशन ऑफ इण्डिया लि.
भारत सरकार (रेल मंत्रालय) का उपक्रम
Dedicated Freight Corridor Corporation of India Ltd.
A Govt. of India (Ministry of Railway) Enterprises

Ref No. – CPM/MTC/EL/NH/

Date: - 27.05.2022

GM(T) cum Project Director
NHAI, PIU- Roorkee
Uttarakhand


Sub: Proposal for crossing of 132 KV D/C Tapri TSS (IR)- Talheri TSS (DFCCIL) line at Ch. 5+300 (near village Dagrauli- Gangnoli, Dist- Saharanpur) on NH-73 (New NH- 344BG) in state of Uttar Pradesh.

Ref. M/S NHAI, PIU Roorkee latter ref no- NHAI/PIU-RRK/NH-73/22016/NOC/2021/5287 dated 09.05.2022

In reference to above, it is to informed that the said observations in proposal has been reviewed by us and compliance is being submit here as below:-

1. M/S DFCCIL is Enterprises of Indian govt (under Ministry of Railways). Competent authority has authorized to applicant for signing all legal document, drawings etc. related to cited subject. Power of attorney is not required this case. Authorization letter is attached.
2. All safety regulations will be followed up by executing agency during construction of transmission lines. Further prior approval of Electrical safety Inspector (Railway) will be taken before charging of line as per norms.
3. Methodology for crossing of overhead line is attached herewith. All supportive drawings are already enclosed with proposal.
4. NHAI policy circular no 7.5.3 dated 03.11.2020 is related to NHAI and transmission lines of POWERGRID. This proposal is related to 132KV D/C transmission line projects owned by M/s. DFCCIL. POWERGRID is only in role of consultant and executing agency. Therefore, this circular is not applicable in case of M/s. DFCCIL. Complete proposal is prepared as per Ministry guidelines vide letter No. RW/NH-34044/ 29/2015/S&R (R) dated 22.11.2016.
5. ACSR Panther conductor will be used in construction of cited line. Technical details of conductor are attached. Minimum ground clearance under max sag condition in cited case is 14.807 meter. Profile having all details like ground clearance (Max sag condition Hot curve), road alignment is already attached with proposal.

In view of above, compliances of observations being submitted. Kindly take further action accordingly.


(Virendra Kumar Sharma)
Project Manager/Electrical

17.05.2022

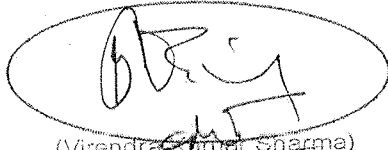
TO WHOM SO EVER IT MAY CONCERN

A 132 kV D/C Jagadhari TSS (DFCCIL) – Talheri TSS (DFCCIL) line and 132 kV D/C Talheri TSS (DFCCIL) – Jarauda Nara (Railway) Transmission lines are being constructed by Powergrid.

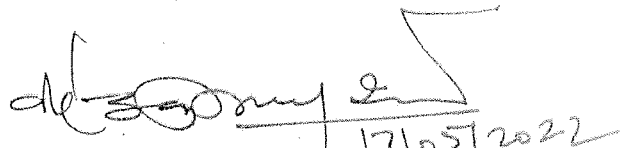
It is hereby certified that the following officer whose details are mentioned below is authorize for uploading NHAI proposals and signing all the relevant documents to be submitted to NHAI Department for & on behalf of 132 kV D/C Jagadhari TSS (DFCCIL) – Talheri TSS (DFCCIL) line and 132 kV D/C Talheri TSS (DFCCIL) – Jarauda Nara (Railway) Transmission lines.

Name of Officer : Sh. Mahavir Singh
Designation : Dy. Project Manager (Electrical)
Email ID : msingh@dfcc.co.in
Mob. No. : 7055576660, 9456797644

The specimen signature is as below & attested:



(Virendra Kumar Sharma)
वीरेंद्र कुमार शर्मा
Project Manager/Electrical
परियोजना प्रबन्धक / विद्युत
DFCCIL/Meerut
डी०एफ०सी०सी०आई०एल० / मेरठ



(Virendra Kumar Sharma)
वीरेंद्र कुमार शर्मा
Project Manager/Electrical
परियोजना प्रबन्धक / विद्युत
DFCCIL/Meerut
डी०एफ०सी०सी०आई०एल० / मेरठ

Methodology for Crossing of Overhead line

General

Standard procedure and guidelines for Power line (Overhead) and NH crossing has been followed. Drawing and design has been considered accordingly. On receipt of approval from the NH an agreement is required to be executed in the standard prescribed form before commencing any work on the crossing.

Requirements of Overhead Line NH Crossing

Angle of Crossing

The overhead line crossing shall normally be at right angle to the railway track. In special case a deviation up to 30° may be permitted by the NH authorities.

Location of Tower

Only "D" type tower on either side of the NH road are permitted to be used. The towers are to be located at minimum required distance from center of NH road. Crossing span should not be more than 250-meter.

Crossing Span

The NH crossing span shall be restricted to 250 meters or 80% of the normal span for which the structures are designed, whichever is less.

Type of Insulation

A double tension insulator string shall be used in crossing span in conjunction with a yoke plate where necessary. Each tension insulator string shall have one insulator more than the no. of units used in normal overhead lines. The F.O.S. of each string of insulators under the worst conditions shall not be less than 2.

Foundation of NH Crossing Tower

Foundation of NH crossing towers should be in accordance with water table and soil encountered at these locations. The classification of foundations for such towers should be done cautiously keeping in view safety considerations. Foundation drawing is attached for reference.

Earthing

Each tower on either side of NH crossing span shall be earthed effectively separate and distinct earthing and connections. Where the earth resistance of the independent tower is higher than 10 ohms, the counterpoise earthing shall be provided as per requirement. Required earthing drawing is attached with proposal.

Joints in Crossing Span

No joints in conductors or earth wire (s) shall be permitted, in crossing span.

Anti-Climbing Devices and Warning Notices

Dy. Project Manager (Electrical)
उप परियोजना प्रबन्धक (विद्युत)
DFCCIL/डी०एफ०सी०सी०आई०एल०
Meerut/मेरठ

Lalit Kumar
उप प्रबन्धक / Dy Manager
पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड
Power Grid Corporation of India Limited
450/225 वोल्टीय सबस्टेशन, पुहाना, रायब्री-247667
400/220 KV Substation, Puhana, Roorkee-247667

The supporting structures on railways land shall be provided with anti-climbing devices. Besides, suitable caution/warning notices shall be erected on all such structures in such languages as may be prescribed for the purpose. Drawings are attached.

Clearances Over the Track


For 132 KV line minimum clearance required above NH road is 11.60m as per CEA norms.


Tower Erection

Tower erection will be done after foundation work.

Stringing

Stringing Work will be carried out with help of scaffoldings and winch machine. Entire work will be complete by following all CEA safety norms.


ललित कुमार / Lalit Kumar
उप प्रबंधक / Dy. Manager
पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड
Power Grid Corporation of India Limited
400 / 229 कोठली उपकेंद्र, पुहाना, रुड़की-247657
400/229, KV Substation, Puhana, Roorkee-247657


Dy. Project Manager (Electrical)
उप परियोजना प्र. प्र. (विद्युत)
DFCCIL/डीएफसीसीआईएल
Meerut/मेरठ


CHECK- LIST


Guidelines for processing the proposal for laying of Utility line in the land along National Highways vested with NHAI/PWD/BRO.


General Information

- | | |
|--|---|
| 1. Name and Address of the Applicant/Agency | : Dedicated Freight Corridor Corporation of India Limited
(A Govt. Of India (Ministry of Railway) Enterprises)
Railway Colony
Ambala Cant
Haryana- 134003 |
| 2. National Highway No. | : Spur to Haridwar from Delhi- - Dehradun Greenfield National Highway CH. No. -..... |
| 3. State | : Uttar Pradesh |
| 4. Location | : Between Dagrauli and Gangrauli |
| 5. Chainage No. | : |
| 6. Length in m | : 225.5 Mtrs [from AP 12/0 (X= 751753.00 , Y=3300507.00) to AP 12A/0 (X=751826.00, Y=3300393.00)] |
| 7. Width of available ROW in both sides | : 13.5 Mtrs both sides from centre of proposed line |
| 8. Side of NH
(Left or right side of NH towards increasing Chainage/Km direction) | :.....
:..... |
| 9. Name of Highway Authority of NHAI/PWD/BRO | NHAI |
| 10. Highway Administration address | PIU-Roorkee
H.No. 446/1 Jadugar Road, 37 Civil Lines, Roorkee 247667

R.O. - Dehradun |


(Virendra Kumar Sharma)
वीरेन्द्र कुमार शर्मा
Project Manager/Electrical
परियोजना प्रबन्धक / विद्युत
DFCCIL/Meerut
डी०एफ०सी०सी०आई०एल० / मेरठ


Dy. Project Manager (Electrical)
उप परियोजना प्रबन्धक (विद्युत)
DFCCIL/डी०एफ०सी०सी०आई०एल०
Meerut/मेरठ


ललित कुमार / Lalit Kumar
उप प्रबन्धक / Dy. Manager
पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड
Power Grid Corporation of India Limited
400 / 220 KV उपकेंद्र, पुहाना, खड़की-247667
400/220, KV Substation, Puhana, Roorkee-247667





Sl. No	Item	Measurement. Observations as per site conditions	MORTH Norms	Whether complying with MORTH Norms
1	Details of already laid utility service, if any	Not applicable	Enclosed	Yes
2	Whether up gradation of the stretch in near future is proposed or not	No		Yes
	(a) If yes, provision of utility adversely affects the plan of up-gradation		Not affect plan of up-gradation	Yes
3	Laying of the utility service along the National Highways.			
3.1	Location of proposed utility service along the stretch	Not applicable	Utility Duct/ beyond the toe line of the embankment and drains, and close to the extreme edge of the ROW.	Yes
3.2	Depth of top of utility service from ground level	Not applicable	0.6 meter	Yes
3.3	Mechanism for crossing water channel	Not applicable	Through utility duct (if provision exists) or beneath the bed of water channel	Yes
3.4	Whether ROW is restricted in this stretch?	Not applicable		Yes
3.4.1	If yes, whether provision of land acquisition is required to lay utility	Not applicable		Yes
	(a) If yes, whether undertaking for land acquisition along with relevant L.A. details has been furnished	Not applicable		Yes
3.4.2	Width of concrete duct, if utility services are proposed to be laid in concrete ducts	Not applicable	Not less than one lane	Yes
4	Laying of utility services across the NH			
4.1	Whether Existing drainage structures is allowed to carry the utility lines.	Not applicable	Not to be allowed	Yes
4.2	Proposed crossing of utility service	Perpendicular to NH	Perpendicular to NH	Yes
4.3	Type of casing pipe/conduit carrying the utility line.	Not applicable	Steel, cast iron, or reinforced cement concrete and have adequate strength	Yes
4.4	Whether ends of the casing/conduit	Not applicable	Sealed	Yes

Dy. Project Manager (Electrical)
 उप परियोजना प्रबन्धक (विद्युत)
 DFCCIL/डीएफसीआईएल/मेरठ

ललित कुमार / Lalit Kumar
 उप प्रबन्धक / Dy. Manager
 पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड
 Power Grid Corporation of India Limited
 400 / 220 केवीओ उपकेन्द्र, पुहाना, रुड़की-247667
 400 / 220 KV substation, Puhana, Roorkee-247667

(Virendra Kumar Sharma)
 वीरेन्द्र कुमार शर्मा
 Project Manager/Electrical
 परियोजना प्रबन्धक / विद्युत
 DFCCIL/Meerut
 डीएफसीआईएल/मेरठ

	pipe are sealed from the outside			
4.5	Length of casing/conduit pipe crossing NH.	Not applicable	Extend from drain to drain in cuts and toe to toe of slope in the fills	Yes
4.6	Depth of top of the casing/conduit pipe.	Not applicable	At least 1.2 m below the top of subgrade	Yes
4.7	Crossing method in case of CC pavement.	Not applicable	Only boring method (HDD)	Yes
4.8	Horizontal and vertical clearances in case utilities are allowed overhead,	Profile Enclosed (Minimum Vertical clearance 14.807 meter)	In accordance with IRC codes.	Yes
5	Document / Drawings enclosed with the proposal			
5.1	Cross-Section showing the size of trench for open trenching method	Not applicable	Enclosed, if applicable	Yes
	(a) Trench width	Not applicable	More than 30 cm and less than 60 Cm wider than the outer diameter of the utility pipe	Yes
	(b) Filling of trench	Not applicable	As per Ministry guidelines vide letter No. RW/NH-34044/29/2015/S&R (R) dated 22.11.2016	Yes
	(c) location of trench	Not applicable	extreme edge of the ROW	Yes
5.2	Cross section showing the size of pit and location of conduit for HDD method	Not applicable	Not applicable in case of Overhead transmission line.	Yes
5.3	Strip plan/ Route plan showing utility line, chainage, width of ROW, distance of proposed utility from the edge of ROW, important mile stone, intersections, cross drainage works etc.	Enclosed. As per annexure.....	Enclosed	Yes
5.4	Plan and profile drawing of stretch showing cross section of road at 20m distance along with ROW and proposed utility	Enclosed. As per annexure.....	Enclosed	Yes
6	Methodology for laying of utilityline.	Enclosed. As per annexure.....	Enclosed	Yes
7	Draft License Agreement is as per	YES	Enclosed	Yes

ललित कुमार / Lalit Kumar

उप प्रबंधक / Dy. Manager

पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड
Power Grid Corporation of India Limited
20/220 केवीओ उपकेन्द्र, पुहाना, रुड़की-247667
20/220 KV Substation, Puhana, Roorkee-247667

(Virendra Kumar Sharma)

वीरेन्द्र कुमार शर्मा

Project Manager/Electrical

परियोजना प्रबंधक / विद्युत

DFCCIL/Meerut

डीएफसीआईसीआईएल/मेरठ

DFCCIL/डीएफसीआईसीआईएल/मेरठ
उप परियोजना प्रबंधक (विद्युत)
Dy. Project Manager (Electrical)

	Ministry guidelines vide letter No. RW/NH-34044/29/2015/S&R (R) dated 22.11.2016 and signed by two witnesses			
8	License fees in Favor of NHAI		As per Ministry vide circular no. RE/NH-33044/29/2015/S&R)dated 22.11.2016	
9	Whether Bank Guarantee has been obtained		As per Ministry vide circular no. RE/NH-33044/29/2015/S&R)dated 22.11.2016	
	(a) If yes, whether Confirmation of BG has been obtained as per MoRTH/NHAI guidelines			
10	Affidavit / Undertaking from the Applicant for			
10.1	Undertaking for not to damage other existing utility, if damaged then to pay the losses to either to MoRTH/NHAI or to the concerned agency.	YES	Enclosed	Yes
10.2	Undertaking for renewal of Bank Guarantees and when asked by NHAI/ MoRTH	Yes	Enclosed	Yes
10.3	Undertaking for confirming all standard condition of MoRTH/NHAI guidelines.	Yes	Enclosed	Yes
10.4	Undertaking for shifting of utility as and when asked by MoRTH/ NHAI within a month at their own cost.	YES	Enclosed	Yes
10.5	Undertaking for indemnity against all damages and claims.	YES	Enclosed	Yes
10.6	Undertaking for management of traffic movement during laying of utility line without hampering the traffic.	YES	Enclosed	Yes
10.7	Undertaking that If any claim is raised by the Concessionaire/contractor then the same has to be paid by the applicant	YES	Enclosed	Yes
10.8	Undertaking that the applicant has obtained various safety clearances from the representative authorities such as directorate of Electricity, Chief controller of Explosives,	Yes	Enclosed	No

ललित कुमार / Lalit Kumar
उप प्रबन्धक / Dy. Manager

पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड
Power Grid Corporation of India Limited
406/220 केवीए उपकेन्द्र, पुहाना, रुड़की-247667
406/220, KV Substation, Puhana, Roorkee-247667

(Virendra Kumar Sharma)
वीरेन्द्र कुमार शर्मा
Project Manager/Electrical
परियोजना प्रबन्धक / विद्युत
DFCCIL/Meerut
डी०एफ०सी०सी०आई०एल० / मेरठ

Dy. Project Manager (Electrical)
उप परियोजना प्रबन्धक (विद्युत)
DFCCIL/डी०एफ०सी०सी०आई०एल०
Meerut/मेरठ

	Petroleum and Explosive Safety Organization, Oil Industry Safety Directorate, State/Central Pollution Control Board and any other statutory clearances applicable, before applying to Highway Administration			
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The Right of the Way (ROW) of the National Highway available at the proposed location from the center line of divided carriageway is m (from center of ROW to edge of ROW towards proposed utility)


The above particulars along with the drawings and documents have been verified and certified as correct as per prevailing site conditions.

[Name Designation and signature of the authorized representative of applicant]

(Virendra Kumar Sharma)
Project Manager/Electrical
परियोजना प्रबन्धक / विद्युत
DFCCIL/Meerut
डी०एफ०सी०सी०आई०एल० / मेरठ


[Name Designation and signature of concerned field authority of NHAI/PWD/BRO]


ललित कुमार / Lalit Kumar
उप प्रबन्धक / Dy Manager
पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड
Power Grid Corporation of India Limited
400 / 220 क०वी० उपकेंद्र, पुहाना, रुड़की-247667
400 / 220 KV Substation, Puhana, Roorkee-247667


Dy. Project Manager (Electrical)
उप परियोजना प्रबन्धक (विद्युत)
DFCCIL/डी०एफ०सी०सी०आई०एल०
Meerut/मेरठ

CERTIFICATE

1. Undersigned has examined the proposal of the applicant for laying of **132 KV D/C Tapri TSS (IR) – Talheri TSS (DFCCIL)** and confirm that the all standard conditions issued vide Ministry circular No: RW/NH-33044/29/2015/S&(R) dated 22.11.2016 has been followed.
2. It is certified that any other location of utility line would be extremely difficult and unreasonable costly and installation of utility line within ROW will not adversely affect the design ,stability & traffic safety of the highway nor the likely future improvement such as widening of the carriageway ,easing of curve etc.
3. I will ensure supervision of the work of laying of utility and ensure that the defects in road portion after laying of utility are corrected.
4. I will notify/forfeit the BG for claims for damages done/disruption in working, if any.
5. I will ensure that proposed permission in entered the register of records.
6. The record of previous approval, if any has been considered and copy of same is enclosed with the proposal.

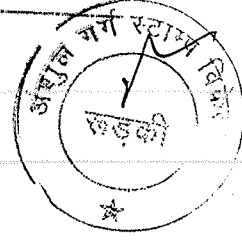

[Name Designation and
signature of concerned field
authority of NHAI/PWD/BRO]



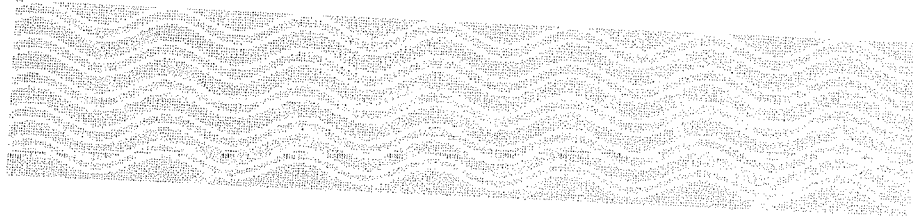
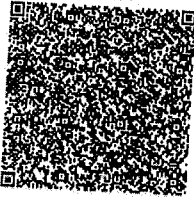
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First Party	: DFCCIL
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Stamp Duty Amount(Rs.)	: 100 (One Hundred only)



Please write or type below this line

**LICENSE DEED FOR LAYING OF OVER HEAD HIGH TENSION TRANSMISSION LINE OVER
NATIONAL HIGHWAY LAND**

[Signature]
Dy. Project Manager (Electrical)
उप परियोजना प्रबन्धक (विद्युत)
DFCCIL/डी०एफ०सी०सी०आई०एल०
Meerut/मेरठ

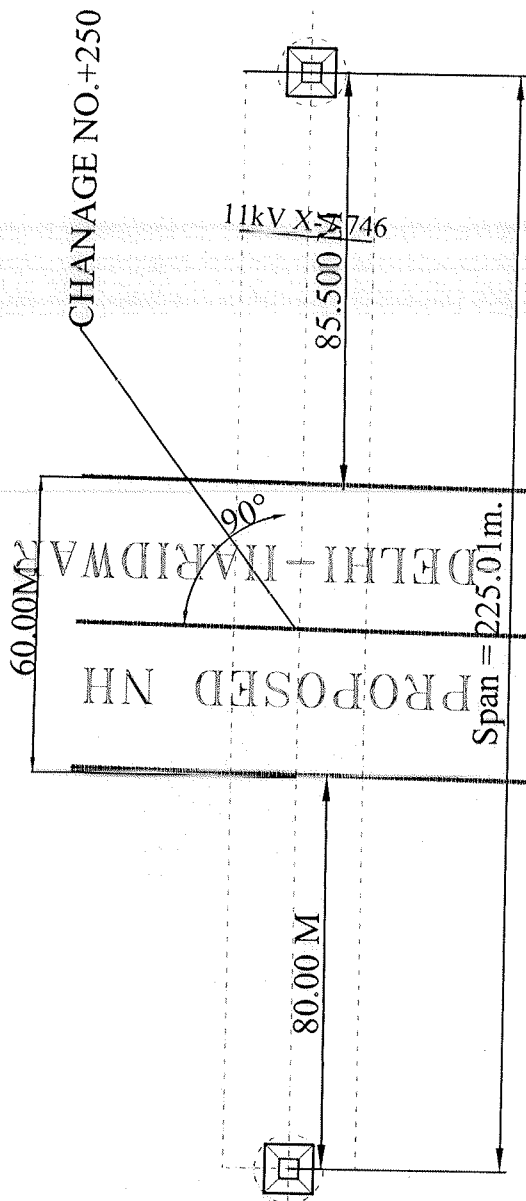
[Signature]
(Virendra Kumar Sharma)
वीरेन्द्र कुमार शर्मा
Project Manager/Electrical
परियोजना प्रबन्धक / विद्युत
DFCCIL/डी०एफ०सी०सी०आई०एल० / मेरठ

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2. Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.
3. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

SKETCH FOR NH-344 CROSSING AP 12/0 TO 12A/0 PROPOSED TRANSMISSION LINE

AP-12A/0
01° 06' 22"LT



Dy. Project Manager (Electrical)
उप परियोजना प्रबन्धक (विद्युत)
महाराष्ट्र विद्युत निगम लि. अहमदनगर

(Virendra Kumar Sharma)
वीरेंद्र कुमार शर्मा
Project Manager/Electrical
परियोजना प्रबंधक / विद्युत
DFCCIL/Meerut
डी०एफ०सी०आई०एल० / मेरठ

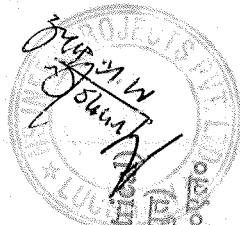
ललित कुमार / Lalit Kumar
एप प्रबन्धक / Dy. Manager
साथ में प्रवेशित ऑफ इंडिया लिमिटेड
For : Corporation of India Limited
401, 402 & 403, पृथ्वी, बडकी-247667
406, 420, KV Substation, Puhana, Roorkee-247667


**Dedicated Freight Corridor Corporation of India
POWER GRID CORPORATION OF INDIA LIMITED
132kV D/C TAPRI (RAILWAYS) - TALHERI TSS (DFCC)**


TOWER SCHEDULE (Tapri) AP 1/0 TO GANTRY TALHERI																						
Sl. No.	Loc. No.	Type of Tower	Angle of Deviation	Span Length (m)	Section Length (m)	Average Span	Cumulative change (m)	Reduced Level (m)	Sum of Adjacent Span (m)	Wind Span (m)	Weight Span Hot (m)			Weight Span Cold (m)			UTM/UPS		Crossing Details	Village		Remark
											Left	Right	Total	Left	Right	Total	Easting	Northing		Dagrauli	Dagrauli	
1	Loc.11/5	DA+9	9				0	101.556	300	150	0.00	149.20	149.20	0.00	148.70	148.70			Lt. Line, Cart Track	Dagrauli		
2	Loc. 12/0	DD+9	9	07° 26' 52" LT	225		300	101.688	525	262.5	150.80	112.15	262.95	151.30	111.93	263.24	751753	3300517	PROPOSED HIGHWAY	Dagrauli		
3	AP. 12A/0	DO+9	9	01° 06' 22" RT			525	101.731	539	269.5	112.85	201.98	314.83	113.07	230.45	343.52	751826	3300393	LT Line, 2Nos.11kV Line, Tar Road (Dagrauli to Aamki), Cart Track	Dagrauli		
4	Loc.12A/1	DA+3	3		314		10675	99.943	628	314	112.02	175.87	287.89	83.55	187.81	271.36				Dagrauli		
NS INFRA PROJECTS PVT.LTD LIMITED						POWER GRID CORPORATION OF INDIA LIMITED						DFCCIL										
<div>NS INFRA PROJECTS PVT.LTD LIMITED</div> <div>SURVEYED BY.</div>						<div>POWER GRID CORPORATION OF INDIA LIMITED</div> <div>ललित कुमार / Lalit Kumar उप प्रबंधक / Dy. Manager पावर ग्रीड कॉर्पोरेशन ऑफ इंडिया लिमिटेड Power Grid Corporation of India Limited 400 / 220 कव वोल्ट, पुहना, उत्तरांचल 400 / 220 kV Substation, Puhana, Roorkee-241007</div> <div>RECOMMENDED BY.</div>						<div>DFCCIL</div> <div>CHECKED BY.</div>						<div>DFCCIL</div> <div>CHECKED BY.</div>				
<div>NS INFRA PROJECTS PVT.LTD LIMITED</div> <div>CHECKED BY.</div>						<div>POWER GRID CORPORATION OF INDIA LIMITED</div> <div>RECOMMENDED BY.</div>						<div>DFCCIL</div> <div>CHECKED BY.</div>						<div>DFCCIL</div> <div>RECOMMENDED BY.</div> <div>Dy. Project Manager (Electrical) उप परियोजना प्रबंधक (विद्युत) DFCCIL/डीएफसीएल APPROVED BY.</div>				

Power Grid Corporation Of India Limited
132 KV D/C TAPRI TSS TO TALHERI TSS TRANSMISSION LINE
National Highway - (Delhi- Haridwar)

Sl.No	Details	Crossing Details
1	Loc No & Type Of Tower	AP-12 (DD+9) , AP-12A (DD+9)
2	Change No.	0+250
3	Crossing Angle	90°
4	Clearance Of Road Top to Bottom Conductor	14.807M
5	Left Side Station (To The Line In Forward Direction)	Haridwar
6	Right Side Station (To The Line In Forward Direction)	Delhi
7	National Highway	NH- (Delhi-Haridwar)
8	Right Side Village Name	Dagrauli
9	Left Side Village name	Gangrauli


Dy. Project Manager (Electrical)
 एवं परियोजना प्रबन्धक (विद्युत)
 DECCIL/डीएचसीसीआईएल
 Meerut/मेरठ


 (Virendra Kumar Sharma)
 प्रियंदा कुमार शर्मा
 Project Manager/Electrical
 परियोजना प्रबन्धक (विद्युत)
 DECCIL/Meerut
 डीएचसीसीआईएल / मेरठ


 ललित कुमार / Lalit Kumar
 एवं प्रबन्धक / Dy. Manager
 पावर ग्रीड कॉर्पोरेशन ऑफ इंडिया लिमिटेड
 Power Grid Corporation of India Limited
 400/220 केबलिंग उपकरण, पुराना, बल्लारी - 247567
 400/220, KV Substation, Puhana Road, Ballari