



सत्यमेव जयते

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

National Highways Authority of India

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

क्षेत्रीय कार्यालय : एफ-120, जनपथ, श्याम नगर, जयपुर-302019

Regional Office : F-120, Janpath, Shyam Nagar, Jaipur-302019

Tel. (O) / फोन : (ऑ.) 0141-2292056, 2292049

E-mail / ई-मेल : rojaipur@nhai.org Web. / वेब : www.nhai.gov.in



No.:NHAI/18013/1/2021-ROJ/Permission-OH Crossing-132KV/NTPCREL/160/NH-911, km 211.65/2291 Date: 28.10.2022

INVITATION OF PUBLIC COMMENTS

- Sub.: Proposal for grant of approval/ NOC for NH crossing (NH-911) at Ch. 211+650 of Raisinghnagar-Poogal sec. by 132 KV S/C Line from 150 MW Solar Power Project (NTPC Renewable Energy Ltd.) at Chatargarh, Bikaner to 220 KV GSS, Chhattargarh in the state of Rajasthan - reg.
- Ref.: 1. Addl. GM (Chattargarh Solar Bikaner) NTPCREL Letter no. NTPCRE/Rajasthan/ NHAI/01 dated 28.10.2021 and letter no. 02 dated 24.02.2022.
2. PD, PIU-Bikaner letter no 13166/1/2019/NOC-Others(BM 06)/P.8/9597 dt 07.07.2022.
3. This office letter no. NHAI/18013/1/2021-ROJ/Permission-OH Crossing 132KV/NTPCREL/160/NH-15, km 211.650/1415 dated 29.07.2022.
4. PD PIU-Bikaner letter no 13166/1/2019/NOC-Others (BM06)/P.8/10027 dt 17.10.2022

Sir,

It is to inform all concern that M/s. NTPC Releware Energy Ltd., New Delhi vide letter under reference (1) above has submitted a proposal for the subjected work and PD, NHAI, PIU, Bikaner has submitted the above proposal vide letter under reference (2) & (4) for approval of the Competent Authority, Highway Administration.

2. The proposal is regarding grant of permission for NH overhead crossing (NH-911) at Ch. 211+650 of Raisinghnagar-Poogal sec. by 132 KV S/C Line from 150 MW Solar Power Project (NTPC Renewable Energy Ltd.) at Chatargarh, Bikaner to 220 KV GSS, Chhattargarh in the state of Rajasthan.

3. As per Para-4 of Ministry's Circular No. RW/NH-33044/29/2015S&R(R) dated 22.11.2016, the Highway Administration shall be put out in the public domain for 30 days for seeking claims and objections (on grounds of public inconvenience, safety and general public interest).

4. In view of the above, before approval of the competent authority, the comments/objections of affected public is hereby invited with reference to the Ministry's circular dated 22.11.2016 due to OH Crossing of 132KV EHV transmission line on the subjected stretch. The objections/comments may be addressed to the below mentioned address upto 28.11.2022, beyond due date, no comments/objections will be accepted.

The Regional Officer, Regional Office - Jaipur

National Highways Authority of India,

F-120, Janpath, Shyam Nagar, Jaipur (Raj.)-302019,

Tel : 0141-2292049, 2292054 Email : rojaipur@nhai.org

This is issued with the approval of the Regional Officer, NHAI, RO, Jaipur (Rajasthan).

Yours faithfully,

(Subhash Janu)

General Manager (Tech.)

- Copy to: (i) Web Admn., NHAI, HQ, New Delhi - for uploading in NHAI's website [web-admin@nhai.org]
(ii) Director, NIC, New Delhi - for uploading in Ministry's website. [mansoor@nic.in]
(iii) PD, PIU-Bikaner: for information.
(iv) M/s NTPCREL, New Delhi: for information.



सत्यमेव जयते

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन एवं राजमार्ग मंत्रालय, भारत सरकार)

National Highways Authority of India

(Ministry of Road Transport & Highways, Government of India)

परियोजना कार्यान्वयन इकाई, बीकानेर, सी-38, सादुलगंज,
बीकानेर (राजस्थान) - 334002

Project Implementation Unit- Bikaner, C-38, Sadulganj,
Bikaner (Rajasthan) - 334002, फ़ोन / Tel.: 0151-2224477

ई-मेल : bikaner@nhai.org, nhaibikaner@gmail.com



No. 13166/1/2019/NOC-Other (BM 06)/ P.8/10027

Date: 17.10.2022

Chief General Manager (Tech.)/RO
National Highways Authority of India
Regional Office, Jaipur
F-120, Janpath, Shyam Nagar
Jaipur (Raj.) - 302019.



3727
20/10/22
MCA-05
Sh. Mangesh
15/10/22

Sub: Proposal for grant of approval/NOC for National Highway Crossing (NH-911) by 132 KV S/C line from 150 MW Solar Power Project (NTPC Renewable Energy Limited) at Chhattargarh, Bikaner to 220 KV GSS, Chhattargarh: **Provisional NOC-reg.**

- Ref: [1] This office letter no. 13166/1/2019/NOC-Other (BM 06)/ P.8/9597 dated 01.07.2022
[2] RO NHAI Jaipur letter no. NHAI/18013/1/2021-ROJ/Permission-OH Crossing 132KV/NTPCREL160/ NH-15, Km211.650/1415 dated 29.07.2022
[3] This office letter no. 13166/1/2019/NOC-Other (BM 06)/ P.8/9727 dated 04.08.2022
[4] Additional General Manger, (Chattargarh Solar Bikaner) NTPC Renewable Energy Limited letter no. NTPCRE/Rajasthan/NHAI/04 dated 09.09.2022
[5] This office letter no. 13166/1/2019/NOC-Other (BM 06)/ P.8/9934 dated 20.09.2022
[6] AE M/s TPF Getinsa Euroestudios S.L India Project Office in association with Sterling Indotech Consultants (P) Ltd letter no. TPF-SITC/APH/TL/2022/1008 dated 07.10.2022

Sir,

Please refer this office letter cited under reference at Sr. No. (1) vide which proposal for grant of approval/NOC for National Highway Crossing (NH-911) by 132 KV S/C line from 150 MW Solar Power Project (NTPC Renewable Energy Limited) at Chhattargarh, Bikaner to 220 KV GSS, Chhattargarh was submitted for approval of Competent Authority.

RO NHAI Jaipur vide letter cited under reference at Sr. No. (2) has raised some observation and returned the proposal for review. The above observation has been forwarded to NTPC Limited New Delhi vide this office letter cited under reference at Sr. No. (3).

The NTPC Limited vide letter cited under reference at Sr. No. (4) has submitted the compliance of observation raised by RO NHAI Jaipur and requested for approval/NOC for the said proposal. The same has been forwarded to Authority Engineer of the Project Highway M/s TPF Getinsa Euroestudios S.L India Project Office in association with Sterling Indotech Consultants (P) Ltd to re examine the proposal as per Ministry Guidelines and site conditions and to submit their comments/recommendations vide this office letter cited under reference at Sr. No. (5)

The Authority Engineer M/s TPF Getinsa Euroestudios S.L India Project Office in association with Sterling Indotech Consultants (P) Ltd vide letter cited under reference at Sl. No. (6) has submitted as under:-

1. With letter cited under reference at Sr. no. (1) & (2)
2. The site have been re-checked with details of file & its drawing as per revised MORTH guidelines dated 08.05.2019 (Annexure-F) we found the ground clearance is 16.8 mtr. from ground level at (NH-911) Km 211+650, which is also mentioned in letter no NTPC-RE/Rajasthan/NHAI/04 dated 09.09.2022
3. Since clearance at site 16.8 mtr which is more than MoRTH guideline (11.60 m).
Hence it is recommended for approval.

In view of above, the proposal is submitted for kind approval at your end.

Yours faithfully,

Encl : As above (3 nos. files).

वीलडनंश

परियोजना निदेशक/Project Director

भारतप्रा.प.का.ई. बीकानेर/NHAI, PIU, Bikaner


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 | : NTPC Renewable Energy Limited |
| 2. National Highway No. | : NH-911 |
| 3. State | : Rajasthan |
| 4. Location | : Chhattargarh |
| 5. Chain age in Km | : 211+350 211+650 |
| 6. Length in mtr. | : 137 mtr. |
| 7. Width of available ROW in both side | : 13.5mtr-13.5 mtr. |
| 8. Side of NH (Left or right side of NH towards increasing Chainage / km direction) | : Left Side AP-10 DD+ : Left Side AP-10 DD+3 (68 mtr.) : Right Side AP-09 DD+3 (48 mtr.) |
| 9. Name of Highway Authority of NHAI/PWD/BRO | : NHAI |
| 10. Highway Administration address | : Highway Administration cum Regional officer MOTH, DCM, Ajmer Road, Jaipur |


उप-महसंपन्नक (तक.)/DGM (Tech.)
भारतप्रा प. का ई., बीकानेर / NHAI, PIU, BIKANER


TEAR SHEET
TPF Gehisa Consultants
in association with
Indotech consultants P.Ltd



Check List Enclosed

| S.no. | Item | Measurement. Observations as per site conditions | MORTH Norms | Whether complying with MORTH Norms |
|-------|--|--|--|------------------------------------|
| 1 | Details of already laid utility service, if any | NIL | 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 affect the plan of up-gradation | NA | Not affect plan of up-gradation | — |
| 3 | Laying of the utility service along the National Highways | Crossing on NH Road | — | — |
| 3.1. | Location of proposed utility service along the stretch | Overhead transmission line crossing at AP-09 & AP-10 | 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 | NA | 0.6 meter | Yes |
| 3.3 | Mechanism for crossing water channel | NA | through utility duct(if provision exists) or beneath the bed of water channel | Yes |
| 3.4 | Whether ROW is restricted in this stretch? | NA | — | Yes |
| 3.4.1 | If yes, whether provision of land acquisition is required to lay utility | NA | — | — |
| | (a) If yes, whether undertaking for land acquisition along with relevant L.A. details has been furnished | NA | — | — |
| 3.4.2 | Width of concrete duct, if utility services are proposed to be aid in concrete ducts | NA | Not less than one lane | Yes |
| 4 | Laying of utility services across the NH | 211+350 211+650 | — | — |
| 4.1 | Whether existing drainage structures is allowed to carry the utility lines. | Yes | Not to be allowed | Yes |

उप-महप्रबन्धक (तक.)/DGM (Tech.)
भारतप्रा. प. का ई., बीकानेर /NHAI, PIU, BIKANER

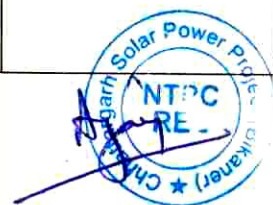
KRISHN LAL
TEAM LEADER
TPF Getinsa Eupentudios
in association with aedine



| | | | | |
|-----|--|--|---|-----|
| 4.2 | Proposed crossing of utility service | Yes | perpendicular to NH | Yes |
| 4.3 | Type of casing pipe/conduit carrying the utility line. | NA | Steel, cast iron, or reinforced cement concrete and have adequate strength | Yes |
| 4.4 | Whether ends of the casing/conduit pipe are sealed from the outside | NA | sealed | Yes |
| 4.5 | Length of casing/conduit pipe crossing NH. | Overhead Crossing | 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 | NA | At least 1.2m below the top of sub grade | Yes |
| 4.7 | Crossing method in case of CC pavement. | NA | Only boring method (HDD) | Yes |
| 4.8 | Horizontal and vertical clearances in case utilities are allowed overhead. | Horizontal- 137 Mtr Vertical -16.80 Mtr | In accordance with IRC Codes | Yes |
| 5 | Document/Drawings enclosed with the proposal | Yes | | Yes |
| 5.1 | Cross-Section showing the size of trench for open trenching method | NA | Enclosed if applicable | Yes |
| | (a) Trench width | NA Overhead crossing | More than 30cm and less than 60cm wider than the outer diameter of the utility pipe | Yes |
| | (b) Filling of trench | Agreed | As per Ministry guidelines vide letter RW/NH-33044/29/2015/S&R dated 22.11.2016. | Yes |
| | (c) Location of trench | Agreed | extreme edge of the ROW | Yes |
| 5.2 | Cross section showing the size of pit and location of conduit for HDD method | NA | Enclosed, if applicable | Yes |
| 5.3 | Strip plan, Route plan showing utility line, Chain age width of ROW, distance of proposed utility form the edge of ROW, important mile stone, intersections, cross drainage works etc. | Enclosed | Enclosed | Yes |

उप-महसप्रबन्धक (तक.) / DGM (Tech.)
भारतप्रा.प. का. ई., बीकानेर / NHAI, PIU, BIKANER

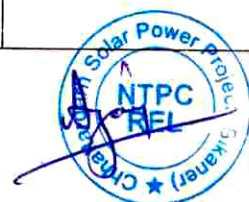
TECHNICAL
TEAM LEADER
TPF Geotech Foundation
In association with
Indotech Consultants P.Ltd



| | | | | |
|------|---|---------------------------|--|-----|
| 5.4 | Plan and profile drawing of stretch showing cross section of road at 20m distance along with ROW and proposed utility | Profile Enclosed | Enclosed | Yes |
| 6 | Methodology for laying of utility line | Overhead Drawing enclosed | Enclosed | Yes |
| 7 | Draft license agreement is as per Ministry guidelines vide letter no. RW/NH-33044/29/2015/S&R dated 22.11.2016. and signed by two witnesses | Enclosed | Enclosed | Yes |
| 8 | License fees in favor of MoRTH RPAO Jaipur | Yes | As per Ministry vide circular no. . RW/NH-33044/29/2015/S&R(R) dated 22.11.2016. | Yes |
| 9 | Whether Bank Guarantee has been obtained | No | As per Ministry vide circular no. . RW/NH-33044/29/2015/S&R(R) dated 22.11.2016. | Yes |
| | (a) If yes, whether confirmation of BG has been obtained as per MoRTH/NHAI guidelines | No | — | Yes |
| 10 | Affidavit/Undertaking from the Applicant for | Yes | Enclosed | Yes |
| 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 | 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 |

उप-महप्रबन्धक (तक.)/DGM (Tech.)
भारत प्रा. का. ई., बीकानेर /NHAI, P.O. BIKANER

KRISHNAN LAL
TEAM LEADER
TPF Gurgaon
in approval of
1st tech.



| | | | | |
|------|---|-----|----------|-----|
| 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, Petroleum and Explosive Safety Organization, Oil industries safety Directorate, State/Central Pollution Control Board and any other statutory clearances applicable, before applying to Highway Administration | Yes | Enclosed | Yes |

The Right of the Way (ROW) of the National Highway available at the proposed location from the center line of defiled 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.



[Signature]

(Name Designation and signature of the authorized representative of applicant)

[Signature]
TPF Cellar & Structures
in association with
Autotech consultants P.L.L.

(Name Designation and Signature of concerned field authority of NHAI/PWD/BRO)

[Signature]
उप-महप्रबन्धक (तक.)/DGM (Tech.)
भारतमार्ग प. का ई., बीकानेर/NHAI, PIU, BIKANER

[Signature]

परियोजना निदेशक/Project Director
भारतमार्ग प. का ई., बीकानेर/NHAI, PIU, Bikaner

5

CERTIFICATE

1. Undersigned has examined the proposal of the applicant for laying of - NH Crossing (NH-91) by 132 kV S/C Line from 150 MW Solar Power 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. Project (NTRC)
Chhatargum
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 is entered in the register of records.
6. The record of previous approval, if any has been considered and copy of same is enclosed with proposal.

2

KRISHAN LAL
TEAM LEADER
TPF Geotech Engineering
in association with
Indotek consultants P.Ltd

प्रीतिका

उप-महसप्रबन्धक (तक.)/DGM (Tech.)
भारतप्रा.प.का.ई., बीकानेर/NHAI, PIU, BIKANER

(Name Designation and signature of
concerned field authority of
NHAI/PWD/BRO)

C.S.
Gm

परियोजना निदेशक/Project Director
भारतप्रा.प.का.ई., बीकानेर/NHAI, PIU, Bikaner