



सत्यमेव जयते

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन एवं राजमार्ग मंत्रालय, भारत सरकार)

NATIONAL HIGHWAYS AUTHORITY OF INDIA

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



क्षेत्रीय कार्यालय / REGIONAL OFFICE

ई-6/47, स्मृति परिसर, साईबोर्ड के पास, अरेरा कॉलोनी, भोपाल (म.प्र.)-462016

E-6/47, Smriti Parisar, Near Sai Board, Arera Colony, Bhopal (M.P.)-462016

दूरभाष/Phone: 0755-2426638, फैक्स/Fax: 0755-2426698, ई-मेल/E-mail ID: robhopal@nhai.org

NHAI/RO-Bhopal/UJN/Renew-Urja/Overhead-440KV/2025/54853 Date-24.07.2025

Invitation of Public Comments

Sub: 4-Lanning of Ujjain-Badnawar section of NH-752D (Spur) from Km 26+900 to Km 96+000 in state of Madhya Pradesh on Hybrid Annuity Mode - Construction of 400KV S/C (on DC towers) transmission line from Runija PSS (Wind switchyard) to Indore (PGCIL) substation- Proposal for approval of overhead crossing of NH-752D in between Km Stone 62 & 63 near Village - Alma, Tehsil-Badnawar District Dhar in the state of MP - reg.

Ref: PD, PIU Ujjain e-office file no. (Computer no. 288148).

The Project Director, PIU-Ujjain vide e-office file (computer no. 288148) has recommended the subject proposal for grant of permission for 400KV S/C (on DC towers) transmission line from Runija PSS (Wind switchyard) to Indore (PGCIL) substation- Proposal for approval of overhead crossing of NH-752D in between Km Stone 62 & 63 near Village - Alma, Tehsil-Badnawar District Dhar in the state of MP.

2. As per Ministry vide OM No. RW/NH-33044 S&R (R) dated 22.11.2016, the application shall be put out in public domain for 30 days for seeking claims and objections (on ground of public inconvenience, safety and general public interest).

3. In view of the above comments of public are invited on captioned proposal and the same should reach to below mentioned address till 23.08.2025 beyond which no comments will be considered.

The Highway Administrator
O/o Regional Officer,
National Highways Authority of India
E-6/47, Smriti Parisar, Near Sai Board
Arera Colony, Bhopal (MP) - 462016
E-mail ID: robhopal@nhai.org

This issues with the approval of Regional Officer cum Highway Administrator.

(Er. Vinakshi Dahat)
Dy. General Manager (T)

Copy to:

- Web Admin, NHAI-HQ-with request for uploading on the NHAI website.
- The Senior Technical Director, NIC, Transport Bhawan, New Delhi-110001 for uploading on Ministry's Website.
- The Project Director, NHAI, PIU- Ujjain (M.P.) for information.
- M/s Renew Urja Shachar Pvt. Ltd., Gurugram-122009
(Email: anilyadav@renew.com).

List of Correspondences

Receipt No. / Issue No.	Subject	Type	Marked As	Attached On	Issued On	Pages	Remarks
1331882/2025/PIU- UJJAIN	Construction of 400KV S/C (on DC towards) transmission line from Runija PSS (Wind switchyard) to Indore (PGCIL) substation- Proposal for approval of overhead crossing of NH-752D (Ch. 85+500) in between milestone 62 & 63kms near village Alma Badnawar –reg.	Receipt		18/07/2025 12:49 pm		1-76	Proposal for Renew Urja Crossing for Ujain- Badnawar project.



Ref: RUSPL /TL/2025-26/NH/111

Date:28.06.2025

To,
The Project Director
National Highway Authority of India Ltd.
Project Implementation Unit, 01, Prem Nagar,
Dewas-Ujjain National Highway, Vill- Chandesari
Ujjain – 456664, Madhya Pradesh
Email: ujjainnhai@gmail.com, piuujjain@nhai.org

Sub: Construction of 400 KV S/C (on D/C towers) Transmission line from Runija PSS (Wind Project switchyard) to Indore (PGCIL) Substation. – Submission of Undertaking and License Agreement of stamp paper as per check list questionnaire no- 2.1 to 2.14.

Ref: - Prior approval of Government of India, Ministry of Power letter No. 25-171112024-PG Dated 19th January,2024 under section 68 (1) of The Indian Electricity Act, 2003.

- RUSPL /TL/2025-26/NH/98 dtd- 27-05-2025

Dear Sir,

With reference to above subject matter, we are herewith submitting the necessary undertakings and license agreement on stamp papers for review and further needful process at the earliest from your end.

Hence you are requested you to kindly look into the proposal and do the needful to process and provide the approval/NOC at the earliest for timely completion of this line.

Thanking you and looking forward for kind support to complete this fast – track project of national importance as per schedule timeline.

Yours Faithfully

For ReNew Urja Shachar Private Ltd.

(Authorized Signatory)

Anil Kumar Yadav

Project Manager

Mob:+91-8989500800

Email: anil.yadav@renew.com



Letter No/Date... 1126/30/6/2025
DGM (T.) I/H
Mang. (T.) I/H
Dy.Mang. (T.) I/H
JAO/ACC.

30/6/25
Mankar 11
30/06/25
POA Ujjain

Encl: - as per above

Site Office: - 101, Nakshtra City, Depalpur-453115, Distt- Indore, Madhya Pradesh.



ReNew Urja Shachar Private Limited

CIN: U40100DL2022PTC394039

Corporate Office ReNew.Hub, Commercial Block-1, Zone-6, Golf Course Road, DLF City Phase-V, Gurugram-122009

Registered Office 138, Ansal Chambers-II, Bhikaji Cama Place, Delhi - 110066



Ref: RUSPL /TL/2025-26/NH/110

Date:27.06.2025

To,

The Project Director

National Highway Authority of India Ltd.

Project Implementation Unit, 01, Prem Nagar,

Dewas-Ujjain National Highway, Vill- Chandesari

Ujjain – 456664, Madhya Pradesh

This is to certify the that M/s ReNew Urja Shachar Private Ltd., hereby undertake as per below: -

2.11	Certificate from the applicant in the following format: - i) Laying of overhead electrical will not have any deleterious effects on any of the bridge components and roadway safety for traffic. For 4/6 laning "we do undertake that I will relocate service road/ approach road, utilities at my own cost, notwithstanding the permission granted within such time as will be stipulated by NHI Authority" for future 6 lanning or any other development.	Yes	
2.12	ii) The transmission line installation shall be carried out by trained and experienced personnel and supervised by technically qualified persons competent to undertake such work.	Yes	
2.13	The applicant ensures the safety of the National Highway traffic against the Hazards of the high voltage lines during installation, operation, and maintenance	Yes	
2.14	Undertaking the compliance with Indian electricity Rules and other authorities, regulations all over headlines shall comply with the requirement of the Indian electricity act and Rules made their under and the regulations or specification as laid down by NH.	Yes	
	Other documents and drawing to be furnished by the applicant	Yes	
3.1	Methodology for laying of overhead electric line.	As per Electricity rule 2003	
3.2	Draft license agreement	NA	
3.3	Strip plan/ route plan showing overhead electrical line, chainage with of ROW, distance of proposed, structure (lower, pole and for HT line only tension towers) from the edge of ROW, important milestone, intersections, cross drainage works any other structure existing of proposed etc.	Yes	
4	If NH section proposed to be taken up by NH Authority on BOT basis -a-clause is to be inserted in the agreement "The permitted highway on which license has been granted the right to lay overhead electrical line has also been granted as a right of way to the concessionaire under the concession agreement for up gradation of.	Yes included.	



ReNew Urja Shachar Private Limited

CIN: U40100DL2022PTC394039

Corporate Office ReNew.Hub, Commercial Block-1, Zone-6, Golf Course Road, DLF City Phase-V, Gurugram-122009
 Registered Office 138, Ansal Chambers-II, Bhikaji Cama Place, Delhi - 110066

W-2025-PIU-Ujjain (Computer No: 128448) 89 6670, F +91 124 489 6699

	(Ujjain-Badnawar section from KM Stone no- 62 to KM stone no- 63 NH-752D on build operate and transfer basis) and therefore the licensee shall honor the same.		
5	Who will supervise the work of laying of overhead electrical line?	ReNew Urja Shachar Pvt. Ltd. will supervise the work of lying of overhead electrical line.	
6	Who will the sign the agreement on behalf of? a) overhead electrical line agency	Anil Kumar Yadav Project Manager RENEW URJA SHACHAR PRIVATE LIMITED VILL & TEHSIL: - DEPALPUR, DIST.: - INDORE, MP-453115	
7	Who will ensure that the defect in road portion after laying of overhead electrical are corrected and if not corrected that what action will be taken?	RENEW URJA SHACHAR PRIVATE LIMITED VILL & TEHSIL: - DEPALPUR, DIST.: - INDORE, MP-453115	
8	Who will pay the claims for damages done / disruption in working of concessionaire, if asked by the concessionaire?	RENEW URJA SHACHAR PRIVATE LIMITED VILL & TEHSIL: - DEPALPUR, DIST.: - INDORE, MP-453115	
9	A certificate from PD that he will enter the proposed permission in register of record of the permission in the prescribed Performa (copy enclosed)	Not Applicable	
10	If any previous approval for laying of overhead electrical line, then photocopy of register of records of permission accorded as maintained by PD may be enclosed.	Not Applicable	

Yours Faithfully

For ReNew Urja Shachar Private Ltd.


(Authorized Signatory)

Anil Kumar Yadav

Project Manager

Mob-+91-8989500800

Email: anil.yadav@renew.com



Encl: - as per above

Site Office: - 101, Nakshttra City, Depalpur-453115, Distt- Indore, Madhya Pradesh.

ReNew Urja Shachar Private Limited

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Corporate Office ReNew.Hub, Commercial Block-1, Zone-6, Golf Course Road, DLF City Phase-V, Gurugram-122009
Registered Office 138, Ansal Chambers-II, Bhikaji Cama Place, Delhi - 110066

Tel: +91 124 489 6670, F +91 124 489 6699



CERTIFIED TRUE COPY OF THE RESOLUTION (3/2024-2025) PASSED BY WAY OF CIRCULATION BY THE BOARD OF DIRECTORS RENEW URJA SHACHAR PRIVATE LIMITED ON JUNE 06, 2024

AUTHORISATION TO REPRESENT THE COMPANY

RESOLVED THAT Mr. Rajasekhar Chilukuri, Abhimanyu Dedhara, Mr. Pankaj Kumar, Mr. Anil Yadav, Mr. Rahul Gupta, Mr. Mohit Jain, Mr. Ranjan Santra and Mr. Akshay Tiwari and directors of the company be and are hereby severally authorized to do on our behalf, all such acts, deeds and things necessary in connection with or incidental to all statutory and regulatory related compliances in relation to the projects under **Renew Urja Shachar Private Limited**.

RESOLVED FURTHER THAT any of the aforementioned Authorized signatory be and are hereby severally Authorized to appoint representative by means of issuance of letter of Authorization/power of Attorney in favor of any person for the above-mentioned activities.

RESOLVED FURTHER THAT a copy of this resolution duly certified by any of the Directors of the company be furnished to whomsoever it may concern

**Certified True Copy
For ReNew Urja Shachar Private Limited**

Surendran Vinod

Director

DIN:07643036

Address: Flat No. 501, Tower 2, Sushant Estate

Sector 52, Gurgaon-122001

Haryana-122018



ReNew Urja Shachar Private Limited

CIN: U40100DL2022PTC394039

Corporate Office: ReNew Hub, Commercial Block-1, Zone 6, Golf Course Road, DLF City Phase-V, Gurugram - 122009

Registered Office: 138, Ansal Chambers-II, Bhikaji Cama Place, Delhi - 110066

W www.renew.com **T** +91 124 489 6670 **F** +91 124 489 6699



मध्य प्रदेश MADHYA PRADESH

CZ 781063

**LICENCE DEED/AGREEMENT REGARDING GRANTING OF RIGHT OF WAY
PERMISSIONS FOR STRINGING OF OVERHEAD 400KV ELECTRICAL
CONDUCTORS CROSSING NATIONAL HIGHWAY – NH752D.**

This Agreement made thisday of 2025 between **Project Director, National Highway Authority of India (NHAI), Ujjain** the acting in his executive capacity through NHAI (hereinafter referred to as the "Authority" which expression shall unless excluded by or repugnant to the context include his successors in office and assigns) on the one part, and **M/s. RENEW URJA SHACHAR PRIVATE LTD.**, a company registered under the Companies Act, 1956 and having its Registered Office at **138, ANSAL CHAMBERS-II, BHIKAJI CAMA PLACE, DELHI-110066** (hereinafter called the "Licensee") which expression shall unless excluded by repugnant to the context, include his successors/administrator assignees on the second part.

Whereas the Authority is response, inter-alia, for development and maintenance of lands at above location.

Whereas the Licensee proposes to **stringing of 400 KV Over Head power line, Crossing Near Amla Village (Near Namaste Restaurant), Crossing in between Chainage 62 & 63 Kms in Badanagar Tehsil, Ujjain District., On NH-752D in the state of Madhya Pradesh.**

Whereas the Licensee has applied to the Authority for permission to for **permission of stringing of overhead 400KV electrical conductor, Crossing Near Amla Village (Near Namaste Restaurant), Crossing in between Chainage 62 & 63 Kms in Badanagar Tehsil, Ujjain District., On NH-752D in the state of Madhya Pradesh.**

And whereas the Authority has agreed to grant such permission for **stringing of overhead 400KV electrical conductor, Crossing Near Amla Village (Near Namaste Restaurant), Crossing in between Chainage 62 & 63 Kms in Badanagar Tehsil, Ujjain District., as per terms and conditions hereinafter mentioned.**



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$\frac{100}{5} = 20$ 500 CZ 781063 से CZ 781067 तक

~~विन्मूऊजी खान्याल पु। लि. गुरुग्राम हरियाणा~~

~~प्रोटेक्टर डोरेक्टर नेशनल हाथे ममोरी हाफे इण्डिया उज्जैन~~

लेने - डालिड कुमल 2116 व-डा. 96 74 18 638/30



A
अजयपुरा गास्वामी
(स्टाम्प वेण्डर)
देवप्रकाश



मध्य प्रदेश MADHYA PRADESH

CZ 781064

Now this agreement witnesses that, in consideration of the conditions hereinafter contained and on the part of the Licensee to be observed and performed, the Authority hereby grants to the Licensee permission to stringing of overhead 400KV electrical conductor **Crossing Near Amla Village (Near Namaste Restaurant), Crossing in between Chainage 62 & 63 Kms in Badanagar Tehsil, Ujjain District., On NH-752D** in the state of Madhya Pradesh as per the approved drawing attached hereto subject to the following conditions, namely.

1. ROW permissions are only enabling in nature. The purpose of extending the way leave facility on the National Highway Row is not for enhancing the scope of activity of a utility service provider, either by content or by intent. Further, enforceability of the permission so granted shall be restricted only to the extent of provisions/scope of activities defined in the license agreement & for the purpose for which it is granted.
2. No Licensee shall claim exclusive right on the ROW and any subsequent user will be permitted to use the ROW, either above or below, or by the side of the utilities laid by the first user, subject to technical requirements shall be final and binding on all concerned parties. In case any disruption/damage is caused to any existing user by the subsequent user, the Authority shall not be held accountable or liable in any manner.
3. The Licensee shall be responsible for undertaking all activities including, but not limited to site identification, survey, design, engineering, arranging finance, project management, obtaining regulatory approvals & necessary clearances, supply of equipment, material, construction, erection, testing and commissioning, maintenance and operation and all other activities essential or required for efficient functioning of their own utility/ industrial infrastructure facilities.



2179

25/06/2025

प्रथम पृष्ठ के साथ संलग्न

अजयपुरा गोस्वामी
(स्टाम्प वेण्डर)
देवराज



मध्य प्रदेश MADHYA PRADESH

CZ 781065

4. The Licensee shall pay license fees @ _____ towards way leave charges for initial period of five years to the Authority. The License fee shall become payable from the date of handing over of ROW land to the Licensee, **stringing of overhead 400KV electrical conductor, Crossing Near Amla Village (Near Namaste Restaurant), Crossing in between Chainage 62 & 63 Kms in Badanagar Tehsil, Ujjain District**, in the state of Madhya Pradesh. As regards Tariff and Terms and conditions for providing common utility ducts along National Highways, there shall be a separate agreement regime.
5. Fee shall have to be paid in advance for the period for which permission is granted for entering into a license agreement. In case of renewal, rate prevailing at the time of renewal shall be charged. Delay in deposition of fee shall attract interest a 15% per annum compounded annually.
6. Present policy of the MoRT&H is to provide a 2.00m a wide utility corridor on either side of the extreme edge of ROW. In cases where utility ducts with sufficient space are already available along NH, the utility services shall be laid in such ducts subject to technical requirements being fulfilled.
7. The utility services shall be laid at the edge of the ROW. In case of restricted width of ROW, which may be adequate only to accommodate the carriageway, central verge, shoulders, slopes of embankment, drains, other road side furniture etc. the utility services shall be laid beyond the toe line of the embankments and clear of the drain.
8. The Licensee shall make his own arrangement for crossing of cross drainage structure, rivers, etc. below the bed. In case, this is not feasible, the utility services may be carried outside the railings/parapets and the bridge superstructure. The fixing and supporting arrangement with all details shall be required to be approved in advance from the concerned Highway



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25/06/2025

प्रथम पृष्ठ के साथ सलग्न

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आखिरी मासवासी
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मध्य प्रदेश MADHYA PRADESH

CZ 781066

9. Administration. Additional cost on account of fixing and supporting arrangement as assessed by the Authority shall be payable by the Licensee.
10. In exceptional cases, where ROW is restricted the utility service can be allowed beneath the carriageway of service road, if available, subject to the condition that the utility services be laid in concrete ducts, which will be designed to carry traffic on top. The width of the duct shall not be less than one lane. In such cases, it also needs to ensure that maintenance of the utility services shall not interfere with the safe and smooth flow of traffic. The cost of operation and maintenance will have to be borne by the Licensee.
11. It is to be ensured that at no time there is interference with the drainage of the road land and maintenance of the National Highways. Towards this, the top of the utility services shall be at least 0.6 meter below the ground level. However, any structure above ground shall be aesthetically provided for / landscaped with required safety measures as directed by the concerned Authority.
12. The utility services shall be permitted to cross the National Highway either through structure or conduits specially built for that purpose. The casing / conduit pipe should, as minimum, extend from drain to drain in cuts and toe of slope to toe of slope in the fills and shall be designed in accordance with the provision of IRC and executed following the Specifications of the Ministry.
13. Existing drainage structures shall not be allowed to carry the lines across.



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प्रथम पृष्ठ के साथ संलग्न

अजयपुरी गोस्वामी
(स्टाम्प वेण्डर)
५५५५५५



मध्य प्रदेश MADHYA PRADESH

CZ 781067

14. The top of the casing/conduit pipe containing the utility services to cross the road shall be at least 1.2m below the top of the sub grade or the existing ground level whichever is lower, subject to being at least 0.3m below the drain inverts. A typical sketch showing the clearances is given in Attachment-I.
15. The utility services shall cross the National Highway preferable on a line normal to it or as nearly so as practicable.
16. The casing/conduit pipe for crossing the road may be installed under the road embankment either by boring or digging a trench. Installation by boring method shall be preferred.
17. In case of trenching, the sides of the trench should be done as nearly vertical as possible. The trench width should be at least 30 cm. but not more than 60 cms wider than the outer diameter of the pipe. Filling of the trench shall conform to the specifications contained here-in-below or as supplied by the Highway Authority.
 - i. Bedding shall be to a depth not less than 30 cm. It shall consist of granular material, free of lumps, clods and cobbles, and graded to yield a firm surface without sudden change in the bearing value. Unsuitable soil and rock edges should be excavated and replaced by selected material.
 - ii. The backfill shall be completed in two stages (i) Side-fill to the level of the top of the pipe (ii) Overfill to the bottom of the road crust.
 - iii. The side fill shall consist of granular material laid in 15 cm. Layers each consolidated by mechanical tamping and controlled addition of moisture to 90% of the Proctor's Density.



2482
25/06/2025

प्रथम पृष्ठ के साथ सलग्न

अजयपुरी गोस्वामी
(स्टाम्प वेण्डर)
अजयपुरी

- iv. Overfill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or pounding will not be permitted.
- v. The road crust shall be built to the same strength as the existing crust on either side of the trench or to thickness and specifications stipulated by the Highway Authority.
18. The Licensee shall ensure making good the excavated trench for laying utility services by proper filling and compaction, so as to restore the land in to the same condition as it was before digging the trench, clearing debris/loose earth produced due to execution of trenching at least 50m away from the edge of the right of way.
19. All required restoration works subsequent to laying of the cable shall be required to be undertaken by the Licensee at its cost either by itself or through its authorized representative in consultation with the Authority as per predetermined time schedule and quality standards.
20. Prior to commencement of any work on the ground, a performance Bank Guarantee **Rs.** _____ per crossing with a validity of one year initially (extendable if required till satisfactory completion of work) shall have to be furnished by the Licensee to the Authority/its designated agency as a security against improper restoration of ground in terms of filling/unsatisfactory compaction damages caused to other underground installations/utility services & interference, interruption, disruption or failure caused thereof to any services etc. In case of the Licensee failing to discharge the obligation of making good of the excavated trench/other restoration work, the Authority shall have a right to make good the damages caused by excavation, at the cost of the Licensee and recover the amount by forfeiture of the Bank Guarantee.
21. In case, the Performance Bank Guarantee is invoked as mentioned above, the Licensee shall be required to replenish and reinstate the required Performance Bank Guarantee within one month of such invoking. In case the work contemplated herein is not completed to the satisfaction of the Authority, which has granted the permission, within a period of 12 months from the date of issue of the Bank Guarantee, the Licensee shall either furnish a fresh guarantee or extend the guarantee for a further period of one year. Notwithstanding this, the Licensee shall be liable to pay full compensation to the aggrieved Authority/ its designated agency for any damage sustained by them by reason of the exercise of the ROW facility.
22. The Licensee shall shift the utility services within 90 days (or as specified by the respective Authority) from the date of issue of the notice by the concerned Authority to shift/relocate the utility services, in case it is so required for the purpose of improvement / widening of the road/route/highway or construction of flyover/bridge and restore the road/land to its original condition at his own cost and risk.
23. The Licensee shall be responsible to ascertain from the respective agency in co-Ordination with Authority, regarding the location of other utilities / underground installations/ facilities etc.



The Licensee shall ensure the safety and security of already existing underground installations/utilities/facilities etc. Before commencement of the excavation work for **stringing of overhead 400KV electrical conductor, Crossing Near Amla Village (Near Namaste Restaurant), Crossing in between Chainage 62 & 63 Kms in Badanagar Tehsil, Ujjain District**, excavation/using the existing cable ducts. The Licensee shall procure insurance from a reputed insurance company against damages to already existing underground installations/utilities/facilities etc.,

24. The Licensee shall be solely responsible/ liable for full Compensation / indemnification of concerned agency / aggrieved Authority for any direct, indirect or consequential damage caused to them/claims or replacements sought for, at the cost and risk of the Licensee. The concerned agency in co-ordination with Authority shall also have a right make good such damages/ recover the claims by forfeiture of Bank Guarantee.
25. If the Licensee fails to comply with any condition to the satisfaction of the Authority, the same shall be executed by the Authority at the cost and risk of the Licensee.
26. Grant of License is subject to the Licensee satisfying (a) minimum disruption of traffic and (b) no damage to the highways. As far as possible, the Licensee should avoid cutting of the road for crossing highway, and other roads and try to carry out the work by trenchless technology. In case any damage is caused to the road pavement in this process, the Licensee will be required to restore the road to the original condition at its cost. If due to unavoidable reasons the road needs to be cut for crossing or laying utility services, the Licensee has to execute the restoration work in a time bound manner at its cost either by itself or through its authorized representative in consultation with the Authority as per predetermined time schedule and quality standards. In case of the Licensee failing to discharge the obligation of making good of the excavated trench/other restoration work, the Authority shall have a right to make good the damages caused by excavation, at the cost of the Licensee and recover the amount by forfeiture of the Bank Guarantee.
27. The Licensee shall inform/give a notice to the concerned agency designated by the Authority at least 15 days in advance with route details prior to digging trenches for fresh or maintenance/repair works. A separate performance Bank Guarantee for maintenance/repair works shall have to be furnished by the Licensee.
28. Each day, the extent of digging the trenches should be strictly regulated so that utility services are laid and trenches filled up before the close of the work that day. Filling should be completed to the satisfaction of the concerned agency designated by the Authority.
29. The licensee shall indemnify the concerned agency in co-ordination with Authority, against all damages and claims, if any due to the digging of trenches for laying cables/ducts.
30. The permission for laying utility services is granted maximum for 5 years at a time, which can thereafter be considered for renewal. On payment of additional fee at the time of renewal, the permission shall automatically be renewed, unless defaults exist. In case of renewal, rate




prevailing at the time of renewal shall be charged. Delay in deposition of fee shall attract interest @ 15% per annum compounded annually.

31. The permission shall be valid only for the period it is issued and fee deposited. However, the Authority also has a right to terminate the permission or to extend the period of Agreement.
32. That the Licensee shall not undertake any work of shifting, repairs or alterations to the utility services without prior written permission of the concerned agency in co-ordination with the Authority.
33. The permission granted shall not in any way be deemed to convey to the Licensee any ownership right or any interest in route/road/highway land / property, other than what is herein expressly granted. No use of NH Row will be permitted for any purpose other than that specified in the Agreement.
34. During the subsistence of this Agreement, the utility services located in highway land / property shall be deemed to have been constructed and continued only by the consent and permission of the Authority so that the right of the Licensee to the use thereof shall not become absolute and indefeasible by lapse of time.
35. The Licensee shall bear the Stamp Duty charged on this Agreement.
36. Three copies of as laid drawings of utilities (hard and soft copies) with geo-tagged photographs and geo-tagged video recordings of laying of cables in the trench (with respect to the NH) and after complete restoration shall be submitted to the Authority for verification and record within a month of completion of works.
37. The Licensee shall allow free access to the Site at all times to the authorized representative of Authority to inspect the Project Facilities and to investigate any matter within their Authority, and upon reasonable notice, shall provide reasonable assistance necessary to carry out their respective duties and functions.
38. The utility services shall not be made operational by the Licensee unless a completion certificate to the effect that the utility services has been laid in accordance with the approved specifications and drawings and the trenches have been filled up to the satisfaction of the concerned agency in co-ordination with the Authority has been obtained. Notwithstanding anything contained herein, this Agreement may be cancelled at any time by Authority for breach of any condition of the same and the Licensee shall neither be entitled to any compensation for any loss caused to it by such cancellation nor shall it be absolved from any liability already incurred.
39. The Licensee shall ensure adherence to relevant Indian standards and follow best industry practices, methods and standards for the purpose of ensuring the safe, efficient and economic design, construction, commissioning, operation, repair and maintenance of any part of the utility lines/industrial infrastructure facilities and which practices, methods and standards shall be adjusted as necessary, to take account of




- a. Operation, repair and maintenance guidelines given by the manufacturers,
- b. The requirements of Law,
- c. The physical conditions at the Site, and
- d. The safety of operating personnel and human beings.

39. The Licensee shall have to provide safety measures like barricading, danger lighting and other necessary caution boards while executing the work.

40. While laying utility services, at least one lane of road shall be kept open to traffic at all times. In case of single lane roads, a diversion shall be constructed. If any traffic diversion works are found necessary during the working period such diversion shall be provided at the cost of Licensee.

41. After the termination/expiry of the agreement, the Licensee shall remove the utility services within 90 days and the site shall be brought back to the original condition failing which the Licensee will lose the right to remove the utility services. However before taking up the work of removal of utility services the Licensee shall furnish a Bank Guarantee to the Authority for a period of one year for an amount assessed by the Authority as a security for making good the excavated trench by proper filling and compaction, clearing debris, loose earth produced due to excavation of trenching at least 50m away from the edge of the ROW.

42. Any disputes in interpretation of the terms and conditions of this Agreement or their implementation shall be referred to the redress mechanism prevailing in the Ministry and the decision of the redress mechanism shall be final and binding on all.



43. For PPP Projects, in case of any financial loss incurred by the respective project concessionaires due to such laying/shifting of utility services by the Licensee, compensation for the same shall be required to be borne by the Licensee in mutual agreement with the respective project concessionaires. MoRT&H/ NHAI/ implementing authorities for the project shall not be liable to the concessionaire in any way in this regard.

This agreement has been made in duplicate, each on a Stamp Paper, each party to this Agreement has retained one stamped copy each.




IN WITNESS WHEREOF THE PARTIES HERE TO HAVE CAUSED THIS AGREEMENT TO BE EXECUTED THROUGH THEIR RESPECTIVE AUTHORISED REPRESENTATIVES THE DAY AND THE YEAR FIRST ABOVE WRITTEN.

SIGNED SEALED AND DELIVERED FOR AND ON BEHALF OF AUTHORITY.

  <p>Project Manager- 400KV Transmission Line ReNew Urja Shachar Private Limited.</p>	<p>Project Director NHAI- PIU, UJJAIN</p>
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IN THE PRESENCE OF (WITNESSES):

Name in full (Signature) with Designation: -

<p>1.</p>  <p>Syed Araf - Deputy 453115</p>	<p>1.</p>
<p>2.</p>	<p>2.</p>

CHECK LIST

For Overhead Crossing by 400KV S/C (ON D/C TOWER) RUNIJA PSS – INDORE (PGCIL) Transmission line over Indore – Ujjain-Badnawar National Highway 752D, Noar Village Amla- Tehasil:Badnawar, Dist:Dhar,(M.P).

S. No	Items	Information / status	Remarks
1	General Information	400KV S/C (ON D/C TOWER) RUNIJA PSS– INDORE (PGCIL) Transmission Line	
1.1	Name and address of the applicant	RENEW URJA SHACHAR PRIVATE LIMITED VILL & TEHSIL: - DEPALPUR, DIST.: - INDORE, MP-453115	
1.2	National Highway No	NH- 752D (Ujjain-Badnawar)	
1.3	State	Madhya Pradesh	
1.4	Location	Near Village- Amla, Tehasil:Badnawar, Dist:Dhar M.P	
1.5	Type of electric including carrying voltage details and purpose	400KV S/C (ON D/C TOWER) RUNIJA PSS – INDORE (PGCIL) Transmission Line	
1.6	Number in kilometers stone	In Between 62&63 KMS	
1.7	Crossing Span Length in meter	250Mtr.	
1.8	Width of available ROW	60 Mtr.	
	a). Left side from Center Line towards increasing chainage / KM Direction	30 Mtr.	
	b). Right side from Center Line towards increasing chainage / KM Direction	30 Mtr.	
1.9	<u>Proposal to lay Overhead</u>		
	a). Left side from Center Line towards increasing chainage / KM Direction	AP 3B/0 DD+3 at a distance of 110mtr. from center of road.	
	b). Right side from Center Line towards increasing chainage / KM Direction	AP 3C/0 DD+3 at a distance of 140mtr. from center of Road.	
	c). Erection of Electrical line along the NH-752D		
1.10	Proposal to acquire land	N/A	
	a). Left side from center line	N/A	
	b). Right side from center line	N/A	
1.12	Details of Already laid services (overhead telecommunication line, overhead electric line etc.), if any, along the proposed route / proposed crossing	NIL	
1.13	No of lanes (2/4/6/8 lanes) existing	04 Lane.	
1.14	Proposed number of lanes (2 lanes with paved shoulder 4/6/8 lanes)	N/A	
1.15	Service Road existing or not	N/A	
	If yes, then which side	N/A	
	a) Left side from center line	N/A	
	b) Right side from center line	N/A	
1.16	Proposed Service Road	N/A	
	a) Left side from center line	N/A	

	b) Right side from center line	N/A	
1.17	Whether proposal to lay overhead electric line is after the service road or between the service road and main carriage way, crossing for approval / rejection based on the ministry circulars and relevant codes mentioned as above.	N/A	
1.18	<p>If crossing of the road involved</p> <p>a) Crossing angle for NH and provide length along the Highway.</p> <p>b) Structure (Tower, pole and for HT line only tension towers) for crossing shall not be too near the existing structures on the National Highway, the minimum distance being 23 meters.</p> <p>i) Type of Existing / proposed structure for National Highways.</p> <p>ii) What is the distance of tower, pole and tension lying from the existing / proposed structure for National Highways.</p>	<p>Yes</p> <p>a) 82°55'017", 250.000 Meters.</p> <p>b) Distance 110m. from Tower no. 3B/0 DD+3</p> <p>i) Tower Structure DD+3 & DD+3.</p> <p>ii) 110 Mtr. & 140 Mtr. from centre of the NH.</p>	
	c) The overhead lines and their supporting poles/ towers should ordinarily be placed at the extreme age of the road land boundary. In any case, these shall be at least 10 meters away for the age of the existing shoulders of extreme traffic lane. Where the existing roadway is narrower than the minimum according to standard or where the widening is proposed for any reason, the lateral clearance shall be reckoned with respect to ultimate road way. What is the horizontal clearance from the extreme edge of the road land boundary?	<p>N/A.</p> <p>Towers shall be constructed at a distance of 102.8 Mtr. (RS) & 74.5 Mtr. (LS) chainage direction from boundary of Road towards increasing Chainage direction.</p>	
	D) The overhead lines and their supporting poles/ tower should originally be placed at the minimum distance of 5.0 m from the nearest line of avenue trees. What is the horizontal clearance from the nearest line of avenue trees?	<p>N/A.</p> <p>Towers shall be constructed at a distance of 102.8 Mtr. (RS) & 74.5 Mtr. (LS) towards increasing Chainage direction from boundary of Road.</p>	
	e) In mountainous / hilly terrain the overhead lines should be erected preferably on the valley side as far away as practicable. In hilly reason, label of ground at a suitable distance below the outer conductor on either side from the central line is also to be noted and marked in profile so as to ensure required ground clearance underneath conductor and side clearances in swung conditions. Is the proposal in hilly area?	No	
	The horizontal clearance in respect of poles erected for the purpose of street lighting in urban situations shall be as under: -	N/A	
	i) For roads with Minimum 300mm from the Raised Krebs 300mm from the aged of nearest kerb preferably 600mm	N/A	
	ii) For roads with At least 1.5m from the edge of the carriage way, Raised kerbs Subject to minimum of 5.0 from the center line of the carriage way.	N/A	

	g) the pylons of HT lines along crossing the road shall be located outside the NH land	Yes	
	h) for crossing the line of same voltage or lower voltage, suspension / tension tower with suitable extension shall be used.	Yes. Tension towers with suitable extension used.	
	i) The vertical clearance of the overhead lines crossing the road shall be reckoned from the top of the crown of the road taking into account the anticipated final top level due to future raising of road level, strengthening of pavement etc. the actual ground clearance of high-tension line for voltage above 650 volts varies depending upon the voltage transmitted and these are stipulated in Indian standard. Codes is 56130 – 1976 part 1 to iv and Indian electricity Rules 1956 as under.	14.15 M as per latest IE rule (presently 16.24 Mtr. as per actual)	
2	Affidavit / Undertaking to be obtained from (to be furnished by the applicant).	N/A	
2.1	Not to damage to other utility, if damaged then to pay the losses either to NH Authority or to the concerned agency	Yes, User agency.	
2.2	Undertaking for renewal of Bank Guarantee if required.	Yes	
2.3	Shifting of overhead Electrical line at their own cost as a when required by (NH)	Yes	
2.4	Shifting of overhead Electrical line at their own cost as a when required due to 4/6 Lanning / widening of NH	Yes	
2.5	Indemnity against all damage and claims whatsoever kind that may be to NH or to any third party in the row during installation, operating and maintenance	Yes, as installation is outside the ROW of NH.	
2.6	Traffic movement during laying of OFC/ Cable to be managed by the applicant	Yes, Overhead crossing.	
2.7	If any claim is raised by the concessionaire, then the same has to be paid by the applicant.	Yes	
2.8	Prior approval of the NH shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the overhead electrical line located in the National Highway right of way.	Yes	
2.9	Expenditure, if any, incurred by electric department for repairing any damage caused to the National Highway by the laying, maintenance or shifting of the overhead electrical line located in the National Highway right of the way	Yes	
2.10	If the NH considers it necessary in future to move the utility line for any work of improvement or repairs to the road, it will be carried out as desired by the NH Authority at the cost of the electric department owing the utility line within a reasonable time (not exceeding 60 days) of the intimation given	Yes	



2.11	Certificate from the applicant in the following format: - i) Laying of overhead electrical will not have any deleterious effects on any of the bridge components and roadway safety for traffic. For 4/6 laning "we do undertake that I will relocate service road/ approach road, utilities at my own cost, notwithstanding the permission granted within such time as will be stipulated by NHI Authority" for future 6 laning or any other development.	Yes	
2.12	ii) The transmission line installation shall be carried out by trained and experienced personnel and supervised by technically qualified persons competent to undertake such work.	Yes	
2.13	The applicant ensures the safety of the National Highway traffic against the Hazards of the high voltage lines during installation, operation, and maintenance	Yes	
2.14	Undertaking the compliance with Indian electricity Rules and other authorities, regulations all over headlines shall comply with the requirement of the Indian electricity act and Rules made their under and the regulations or specification as laid down by NH.	Yes	
	Other documents and drawing to be furnished by the applicant	Yes	
3.1	Methodology for laying of overhead electric line.	As per Electricity rule 2003	
3.2	Draft license agreement	Yes	
3.3	Strip plan/ route plan showing overhead electrical line, chainage with of ROW, distance of proposed, structure (lower, pole and for HT line only tension towers) from the edge of ROW, important milestone, intersections, cross drainage works any other structure existing of proposed etc.	Yes	
4	If NH section proposed to be taken up by NH Authority on BOT basis -a-clause is to be inserted in the agreement "The permitted highway on which license has been granted the right to lay overhead electrical line has also been granted as a right of way to the concessionaire under the concession agreement for up gradation of. (Ujjain-Badnawar section from KM Stone no- 62 to KM stone no- 63NH-752D on build operate and transfer basis) and therefore the licensee shall honor the same.	Yes included.	
5	Who will supervise the work of laying of overhead electrical line.	ReNew Urja Shachar Pvt. Ltd. will supervise the work of lying of overhead electrical line.	
6	Who will the sign the agreement on behalf of a) overhead electrical line agency	RENEW URJA SHACHAR PRIVATE LIMITED VILL & TEHSIL: - DEPALPUR, DIST.: - INDORE, MP- 453115	
7	Who will ensure that the defect in pad portion	RENEW URJA SHACHAR	

	after laying of overhead electrical are corrected and if not corrected that what action will be taken.	PRIVATE LIMITED VILL & TEHSIL: - DEPALPUR, DIST.: - INDORE, MP- 453115	
8	Who will pay the claims for damages done / disruption in working of concessionaire, if asked by the concessionaire.	RENEW URJA SHACHAR PRIVATE LIMITED VILL & TEHSIL: - DEPALPUR, DIST.: - INDORE, MP- 453115	
9	A certificate from PD that he will enter the proposed permission in register of record of the permission in the prescribed Performa (copy enclosed)	Not Applicable	
10	If any previous approval for laying of overhead electrical line, then photocopy of register of records of permission accorded as maintained by PD may be enclosed.	Not Applicable	

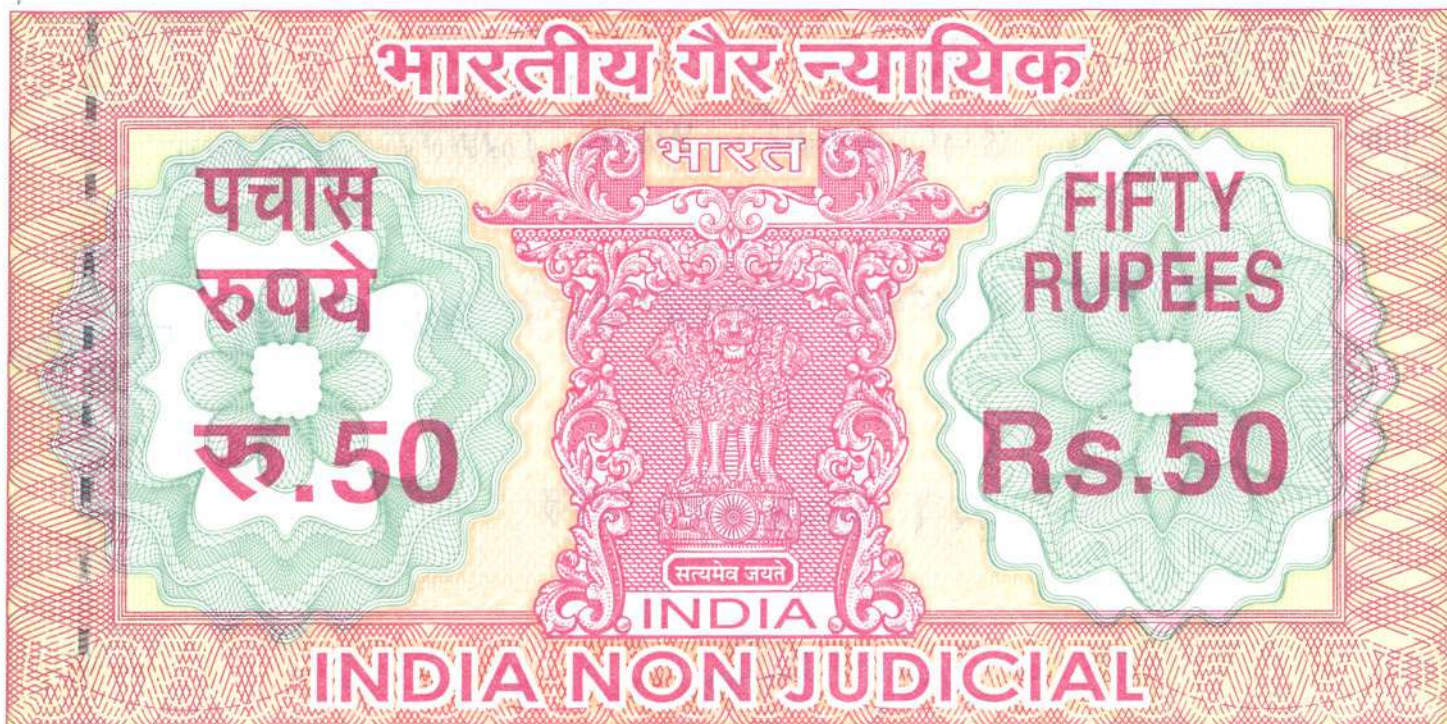


 For ReNew Urja Shachar Private Ltd.
 (Depalpur, Indore)




 For NHAJ Ltd.
Project Director
 (Ujjain)
 NHAJ, PIU- Ujjain (M.P.)


Manager (Tech.)
 NHAJ PIU Ujjain (M.P.)



मध्य प्रदेश MADHYA PRADESH

BW 125915

UNDERTAKING

Subject: - Issue of permission for stringing of overhead 400KV electrical conductor, Crossing Near Amla Village (Near Namaste Restaurant), in between Chainage 62 & 63 Kms in Badanagar Tehsil, Ujjain District.

1. **We M/s. ReNew Urja Shachar Private Ltd., Corporate Office-** ReNew Hub, Commercial Block-1, Zone-6, Golf Course Road, DLF City Phase-V, Gurugram-122009.
Registered Office- 138, Ansal Chambers-II, Bhikaji Cama Place, New Delhi-110066.
With
2. **The Project Director,** National Highway Authority of India, PIU- Implementation Unit, Plot No- 01, Prem Nagar, Dewas-Ujjain National Highway, Village – Ujjain (M.P)- 456664.

We here by undertake the standard conditions of NHAI Guidelines: -

1. **Not to Damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned agency:** Regarding the location of other cables, underground installation / utilities etc. **M/s. RENEW URJA SHACHAR PRIVATE LTD./GURUGRAM** shall be responsible to ascertain from the respective agency in coordination with NHAI. **M/s. RENEW URJA SHACHAR PRIVATE LTD./GURUGRAM** shall ensure the safety and security of already existing cables / underground installation / utilities facilities etc. before commencement of the excavation.

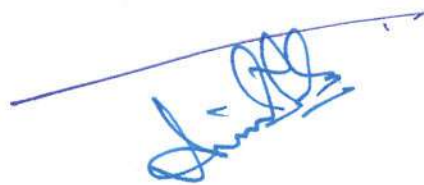



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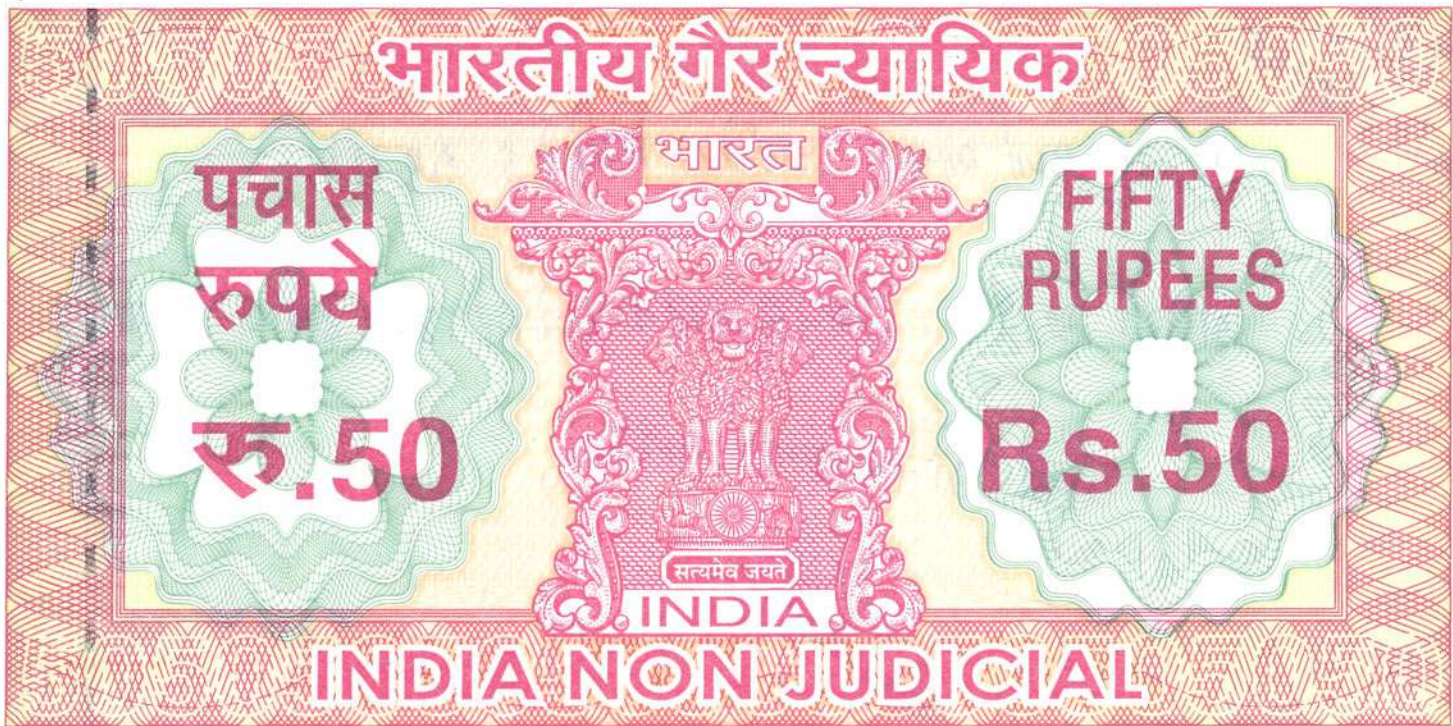
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~~प्रोजेक्ट डाइरेक्टर नेशनल हाइवे अथॉरिटी ऑफ इण्डिया उज्जैन~~

हस्ते अनिल कुमार यादव




अजयपुरी गास्वामी
(स्टाम्प वेण्डर)
दंपालपुर



मध्य प्रदेश MADHYA PRADESH UNDERTAKING

BW 125916

Subject: - Issue of permission for stringing of overhead 400KV electrical conductor, Crossing Near Amla Village (Near Namaste Restaurant), in between Chainage 62 & 63 Kms in Badanagar Tehsil, Ujjain District.

1. **We M/s. ReNew Urja Shachar Private Ltd., Corporate Office-** ReNew Hub, Commercial Block-1, Zone-6, Golf Course Road, DLF City Phase-V, Gurugram-122009.

Registered Office- 138, Ansal Chambers-II, Bhikaji Cama Place, New Delhi-110066.

With

2. **The Project Director,** National Highway Authority of India, PIU- Implementation Unit, Plot No- 01, Prem Nagar, Dewas-Ujjain National Highway, Village – Ujjain (M.P)- 456664.

We here by undertake the standard conditions of NHAI Guidelines: -

2. **Renewal of Bank Guarantee: M/s. RENEW URJA SHACHAR PRIVATE LTD./GURUGRAM** shall furnish a Bank Guarantee @ Rs. _____ per CROSSING to the NHAI for the period of one year initially (extendable if required till satisfactory completion of work) as a security for ensuring / making good the excavated trench for laying the cables / ducts by proper filling and compaction, clearing debris / loose earth produced due to execution of trenching at least 50m away from the edge of the right of way. No payment shall be payable by the NHAI to **M/s. RENEW URJA SHACHAR PRIVATE LTD./GURUGRAM** for clearing debris / loose earth. In case the work contemplated here with is not completed to the satisfaction of the NHAI, which has granted the permission, within a period of 11 months from the date of issue of the Bank guarantee. **M/s. RENEW URJA SHACHAR PRIVATE LTD./GURUGRAM** shall either furnish a fresh guarantee or extend the guarantee for a further period of one year. In case of **M/s. RENEW URJA SHACHAR PRIVATE LTD./GURUGRAM** failing to discharge the obligation of making good the excavation trench, the NHAI shall have a right to make good the damages caused by excavation, the cost of **M/s. RENEW URJA SHACHAR PRIVATE LTD./GURUGRAM** and recover the amount by invoking the bank guarantee furnished by **M/s. RENEW URJA SHACHAR PRIVATE LTD./GURUGRAM**.



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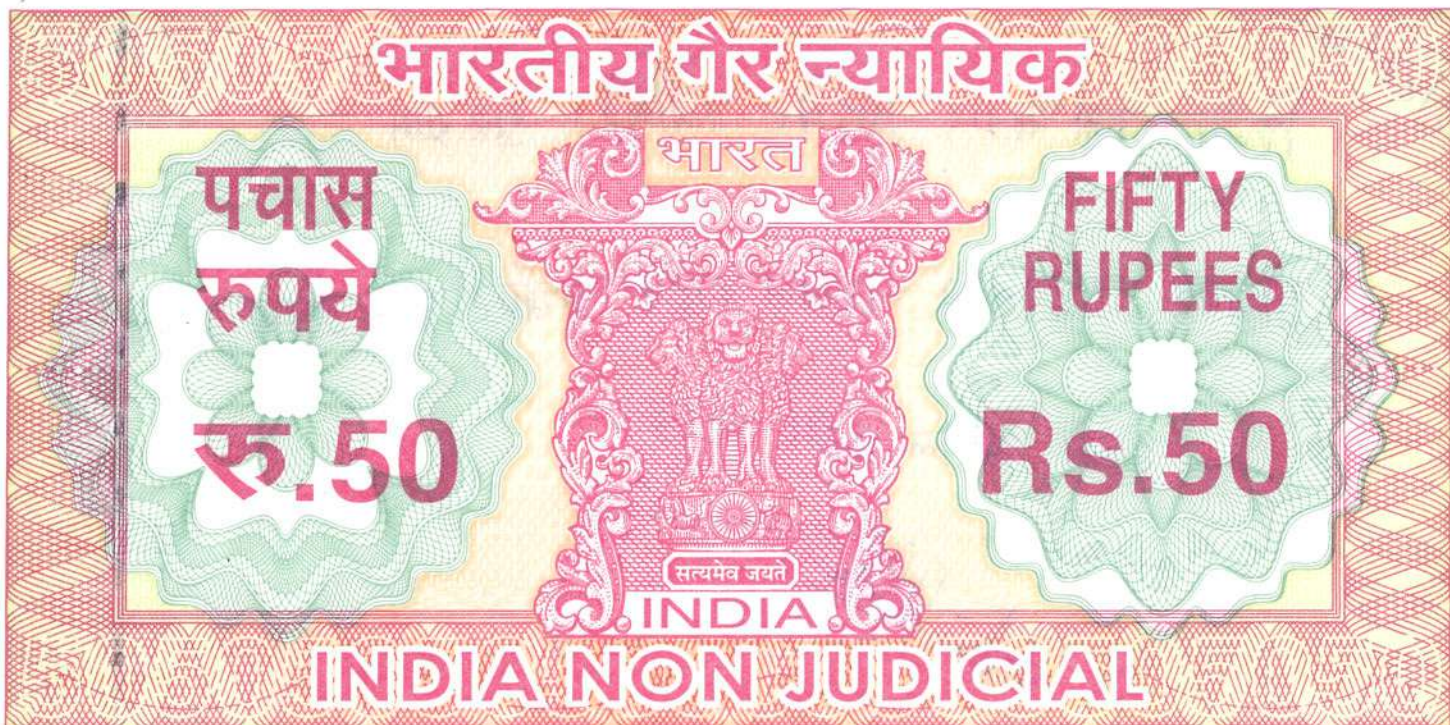
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अजयपुरी गोस्वामी
(स्टाम्प वेण्डर)
दंपालपुर



मध्य प्रदेश MADHYA PRADESH

BW 125917

UNDERTAKING

Subject: - Issue of permission for stringing of overhead 400KV electrical conductor, Crossing Near Amla Village (Near Namaste Restaurant), in between Chainage 62 & 63 Kms in Badanagar Tehsil, Ujjain District.

1. **We M/s. ReNew Urja Shachar Private Ltd., Corporate Office-** ReNew Hub, Commercial Block-1, Zone-6, Golf Course Road, DLF City Phase-V, Gurugram-122009.

Registered Office- 138, Ansal Chambers-II, Bhikaji Cama Place, New Delhi-110066.

With

2. **The Project Director,** National Highway Authority of India, PIU- Implementation Unit, Plot No- 01, Prem Nagar, Dewas-Ujjain National Highway, Village – Ujjain (M.P)- 456664.

We here by undertake the standard conditions of NHAI Guidelines: -

3. **Shifting of Overhead Electrical Line** as and when if required by NHAI will be done at the cost of **M/s. RENEW URJA SHACHAR PRIVATE LTD./GURUGRAM**



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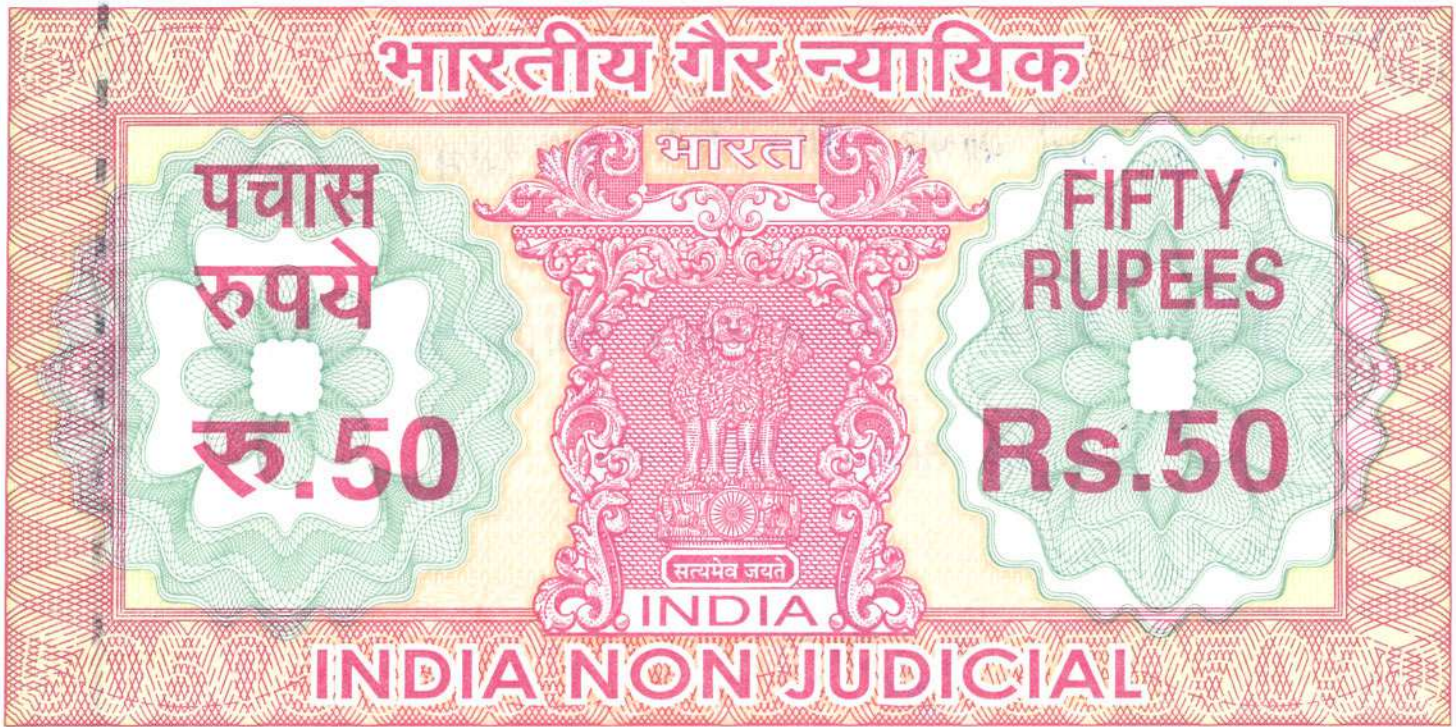
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~~प्रोजेक्ट डायरेक्टर नेशनल हाइवे अथॉरिटी ऑफ इंडिया उज्जैन~~

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अजयपुरी गोस्वामी
(स्टाम्प वेण्डर)
दंपालपुर



मध्य प्रदेश MADHYA PRADESH

BW 125918

UNDERTAKING

Subject: - Issue of permission for stringing of overhead 400KV electrical conductor, Crossing Near Amla Village (Near Namaste Restaurant), in between Chainage 62 & 63 Kms in Badanagar Tehsil, Ujjain District.

1. **We M/s. ReNew Urja Shachar Private Ltd., Corporate Office-** ReNew Hub, Commercial Block-1, Zone-6, Golf Course Road, DLF City Phase-V, Gurugram-122009.

Registered Office- 138, Ansal Chambers-II, Bhikaji Cama Place, New Delhi-110066.

With

2. **The Project Director,** National Highway Authority of India, PIU- Implementation Unit, Plot No- 01, Prem Nagar, Dewas-Ujjain National Highway, Village – Ujjain (M.P)- 456664.

We here by undertake the standard conditions of NHAI Guidelines: -

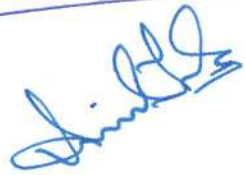
4. Shifting of Overhead Electrical Line if required due to 6 lanning / widening of NH shall be done at the cost of **M/s. RENEW URJA SHACHAR PRIVATE LTD./GURUGRAM,**



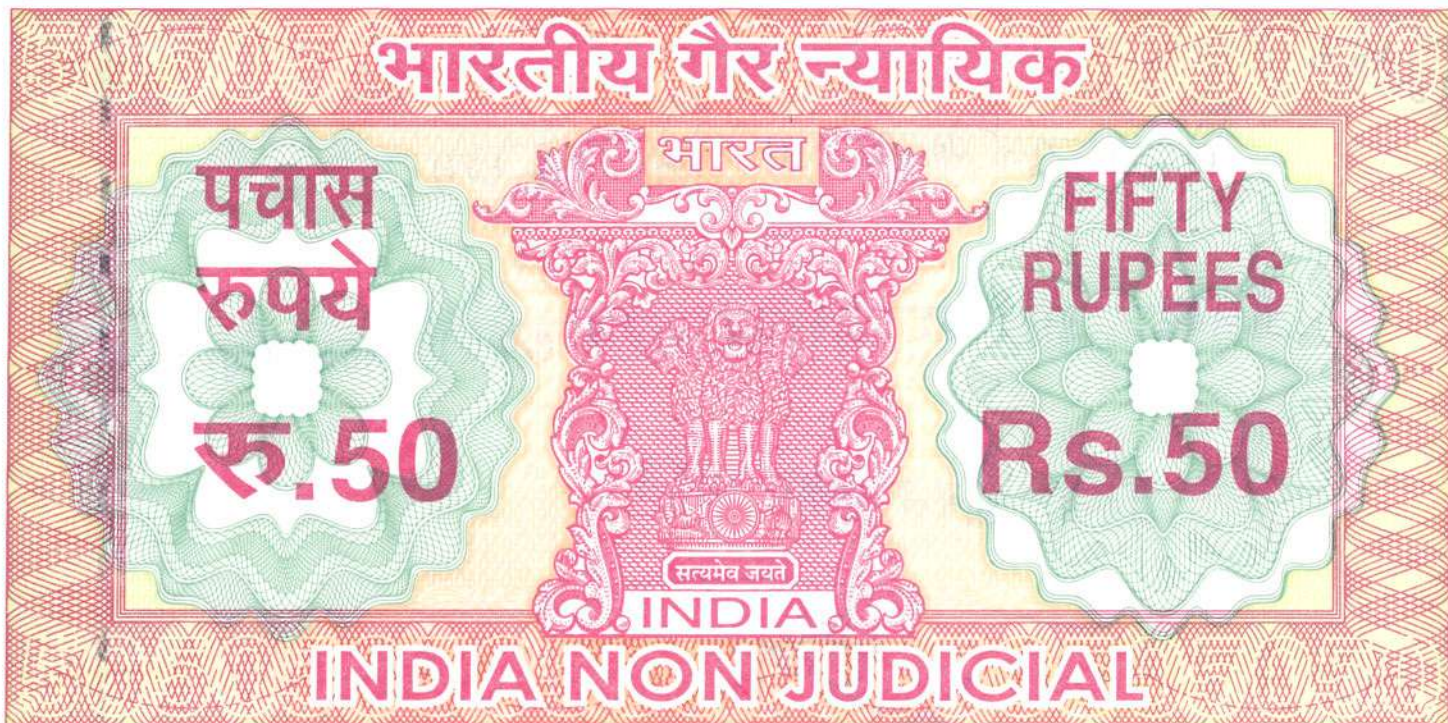
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(स्टाम्प वेण्डर)
दंपालपुर



मध्य प्रदेश MADHYA PRADESH

BW 125919

UNDERTAKING

Subject: - Issue of permission for stringing of overhead 400KV electrical conductor, Crossing Near Amla Village (Near Namaste Restaurant), in between Chainage 62 & 63 Kms in Badanagar Tehsil, Ujjain District.

1. **We M/s. ReNew Urja Shachar Private Ltd., Corporate Office-** ReNew Hub, Commercial Block-1, Zone-6, Golf Course Road, DLF City Phase-V, Gurugram-122009.

Registered Office- 138, Ansal Chambers-II, Bhikaji Cama Place, New Delhi-110066.

With

2. **The Project Director,** National Highway Authority of India, PIU- Implementation Unit, Plot No- 01, Prem Nagar, Dewas-Ujjain National Highway, Village – Ujjain (M.P)- 456664.

We here by undertake the standard conditions of NHAI Guidelines: -

5. Indemnity against all damage and claims whatsoever kind that may be to NH or to any kind third party in the ROW during installation, operating and maintenance if any shall be done at the cost of **M/s. RENEW URJA SHACHAR PRIVATE LTD./GURUGRAM**. (Note- Here, the installation is outside the ROW of NH).

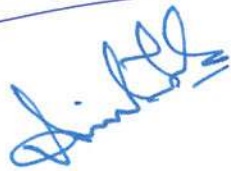


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हरने अनिल कुमार यादव




अजयपुरी गोस्वामी
(स्टाम्प वेण्डर)
देपालपुर



मध्य प्रदेश MADHYA PRADESH

BW 125920

UNDERTAKING

Subject: - Issue of permission for stringing of overhead 400KV electrical conductor, Crossing Near Amla Village (Near Namaste Restaurant), in between Chainage 62 & 63 Kms in Badanagar Tehsil, Ujjain District.

1. **We M/s. ReNew Urja Shachar Private Ltd., Corporate Office-** ReNew Hub, Commercial Block-1, Zone-6, Golf Course Road, DLF City Phase-V, Gurugram-122009.
Registered Office- 138, Ansal Chambers-II, Bhikaji Cama Place, New Delhi-110066.

With

2. **The Project Director,** National Highway Authority of India, PIU- Implementation Unit, Plot No- 01, Prem Nagar, Dewas-Ujjain National Highway, Village – Ujjain (M.P)- 456664.

We here by undertake the standard conditions of NHAI Guidelines: -

6. **Traffic movement during lying of Over Head 400 KV line to be managed by the applicant:** if any traffic diversion works are found necessary during the working period such diversion shall be provided at the cost of **M/s. RENEW URJA SHACHAR PRIVATE LTD./GURUGRAM.**

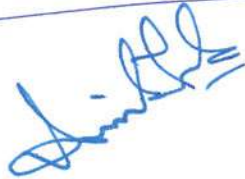


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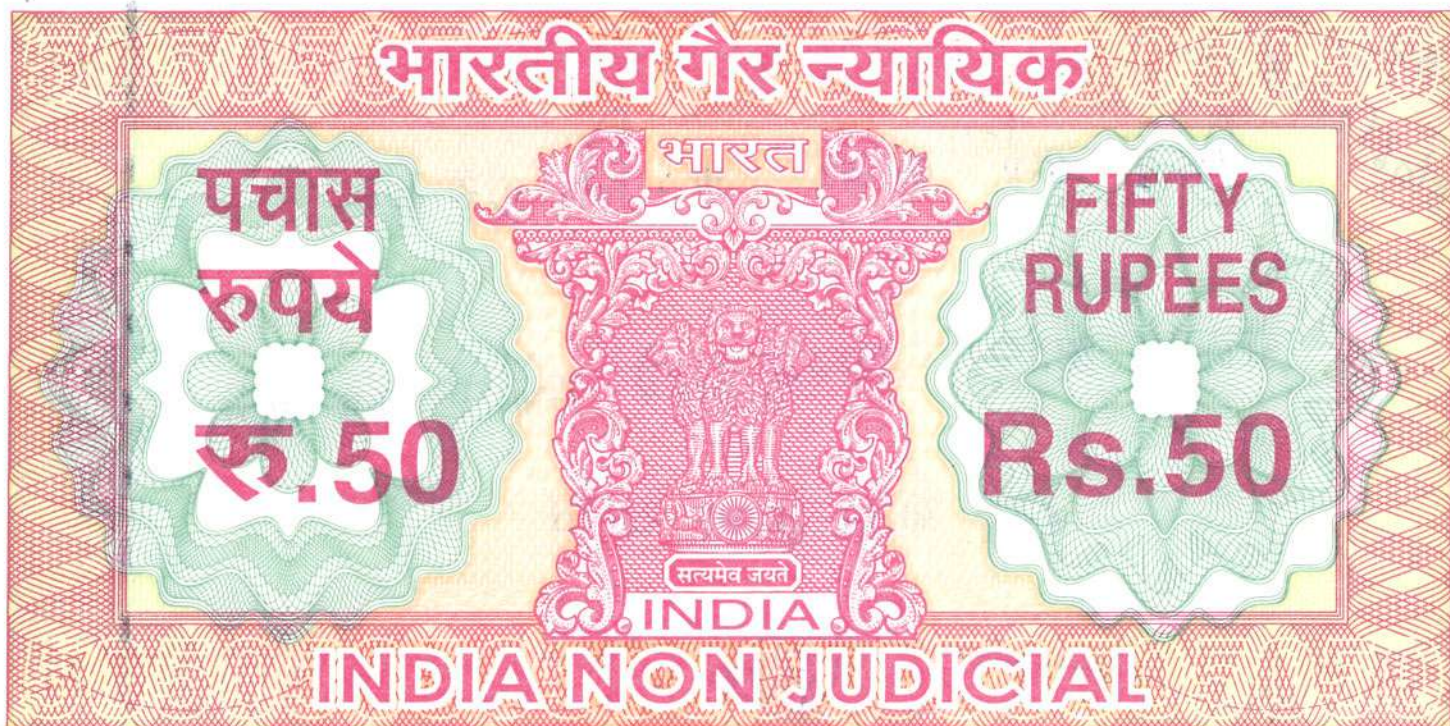
रिन्म उर्जा साचार पा. लि. गुरुग्राम

प्रोजेक्ट डायरेक्टर नेशनल हाइवे अथॉरिटी ऑफ इण्डिया, उज्जैन

हस्ते अनिल कुमार यादव




अजयपुरी गोस्वामी
(स्टाम्प वेण्डर)
दंपालपर



मध्य प्रदेश MADHYA PRADESH

BW 125921

UNDERTAKING

Subject: - Issue of permission for stringing of overhead 400KV electrical conductor, Crossing Near Amla Village (Near Namaste Restaurant), in between Chainage 62 & 63 Kms in Badanagar Tehsil, Ujjain District.

1. **We M/s. ReNew Urja Shachar Private Ltd., Corporate Office-** ReNew Hub, Commercial Block-1, Zone-6, Golf Course Road, DLF City Phase-V, Gurugram-122009.
Registered Office- 138, Ansal Chambers-II, Bhikaji Cama Place, New Delhi-110066.
With
2. **The Project Director,** National Highway Authority of India, PIU- Implementation Unit, Plot No- 01, Prem Nagar, Dewas-Ujjain National Highway, Village – Ujjain (M.P)- 456664.

We here by undertake the standard conditions of NHAI Guidelines: -

7. If any claim is raised by the concessionaire then the same has to be paid by the applicant **M/s. RENEW URJA SHACHAR PRIVATE LTD./GURUGRAM** shall be solely responsible / liable for full compensation / indemnification of concerned agency / aggrieved owner for any direct, indirect or consequential damage caused to them / claims or replacement sought for, at the cost and risk of **M/s. RENEW URJA SHACHAR PRIVATE LTD./GURUGRAM** The concerned agency in co-ordination with NHAI shall also have a right to make good such damages / recover the claims by way of invoking of Bank Guarantee furnished by **M/s. RENEW URJA SHACHAR PRIVATE LTD./GURUGRAM** if **M/s. RENEW URJA SHACHAR PRIVATE LTD./GURUGRAM** fails to comply with the condition 5 and 6 above to the satisfaction of the NHAI, the same shall be got executed by the NHAI at the risk and cost of the **M/s. RENEW URJA SHACHAR PRIVATE LTD./GURUGRAM**.

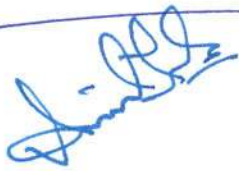


2490
25/06/2025

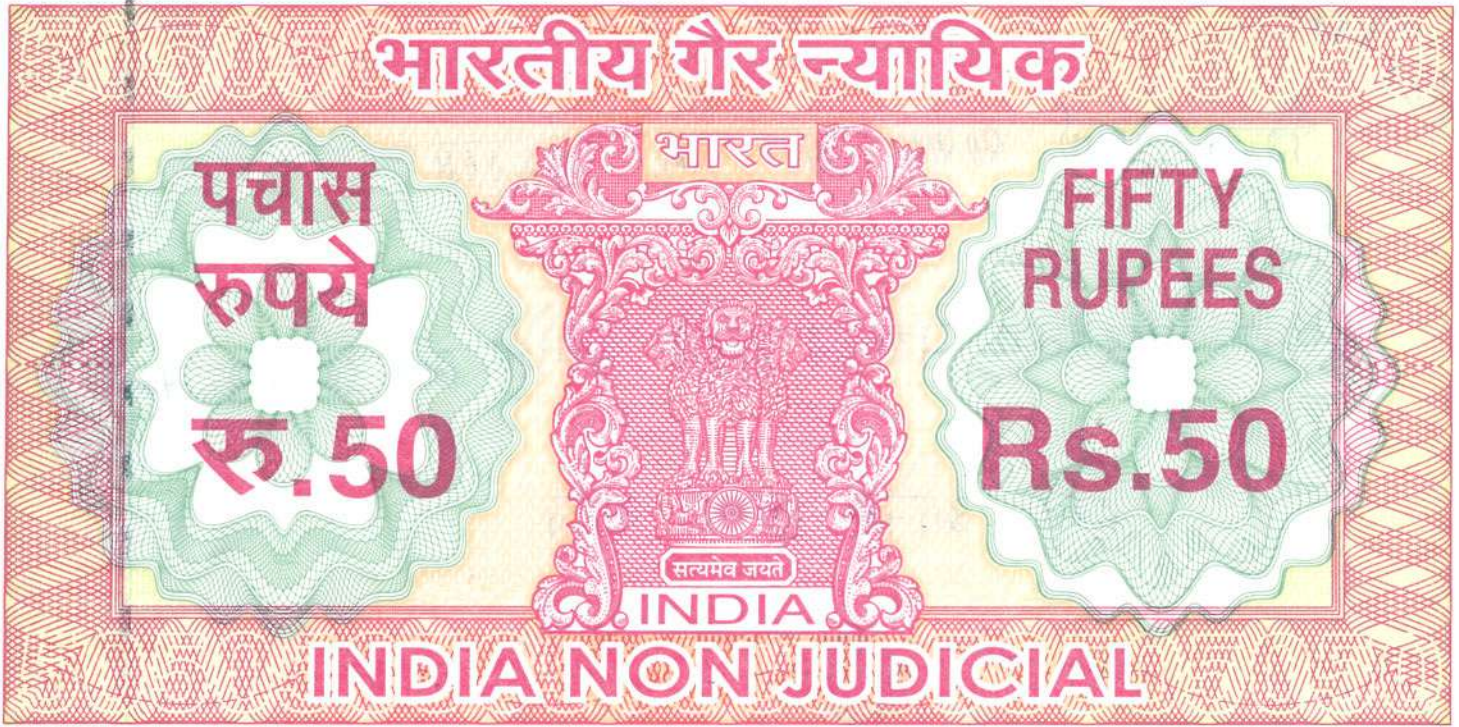
~~रिन्थ उर्जा - साधार प्र. लि. धारु ग्राम~~

~~प्रोजेक्ट डेवेलपमेंट नेशनल हाइवे अथोरिटी ऑफ इंडिया उज्जैन~~

हस्ते अनित कुमार थारुव



अजयपुरी गोस्वामी
(स्टाम्प वेण्डर)
दभोलपुर



मध्य प्रदेश MADHYA PRADESH

BW 125922

UNDERTAKING

Subject: - Issue of permission for stringing of overhead 400KV electrical conductor, Crossing Near Amla Village (Near Namaste Restaurant), in between Chainage 62 & 63 Kms in Badanagar Tehsil, Ujjain District.

1. **We M/s. ReNew Urja Shachar Private Ltd., Corporate Office-** ReNew Hub, Commercial Block-1, Zone-6, Golf Course Road, DLF City Phase-V, Gurugram-122009.
Registered Office- 138, Ansal Chambers-II, Bhikaji Cama Place, New Delhi-110066.
With
2. **The Project Director,** National Highway Authority of India, PIU- Implementation Unit, Plot No- 01, Prem Nagar, Dewas-Ujjain National Highway, Village – Ujjain (M.P)- 456664.

We here by undertake the standard conditions of NHAI Guidelines: -

8. **We M/s. RENEW URJA SHACHAR PRIVATE LTD./GURUGRAM** hereby do undertake that prior approval of the NH shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the overhead electrical line located in the National Highway right of way.

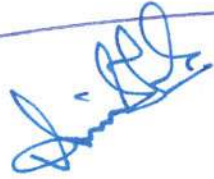


2471
25/06/2025

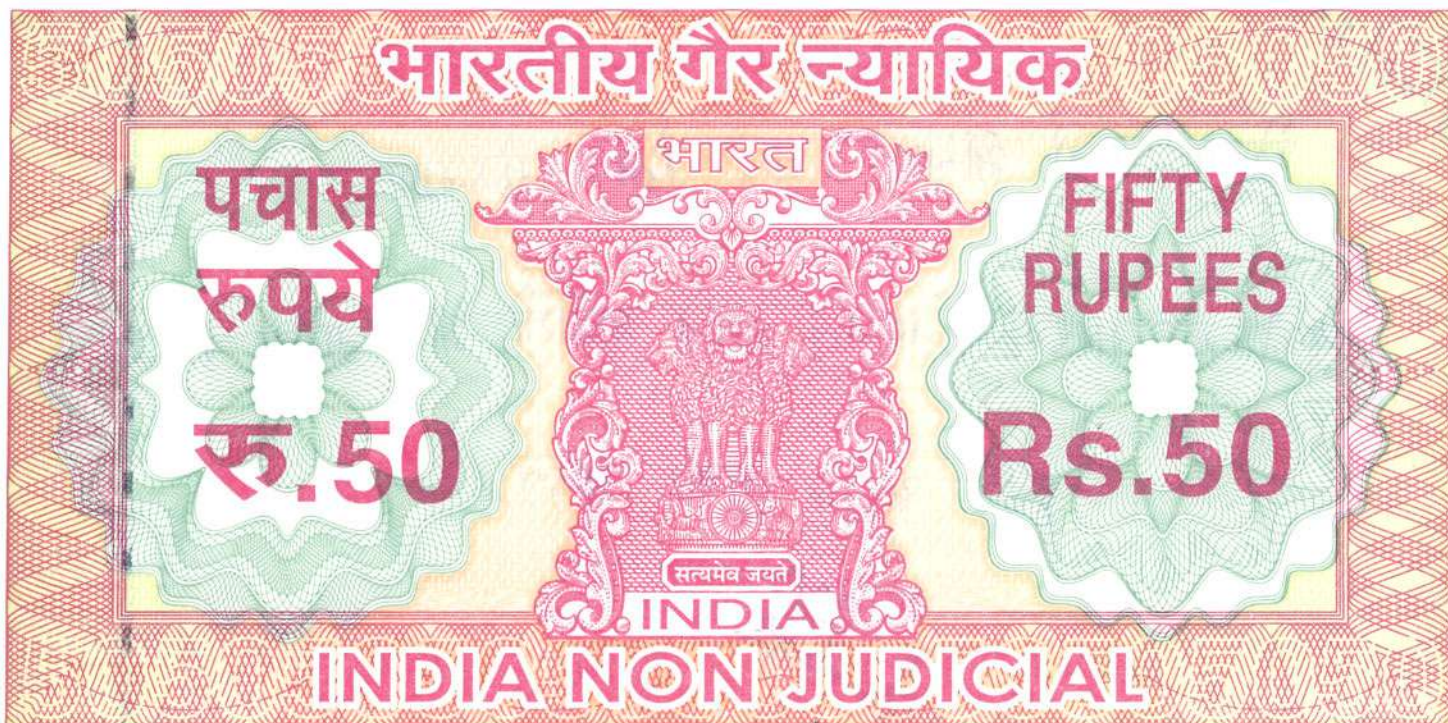
रिन्गु उर्जा सागर प्र. लि. गुरुग्राम

प्रोजेक्ट डाइरेक्टर नेशनल हाइवे अथॉरिटी ऑफ इण्डिया डिल्ली

हस्ते अनिल कुमार यादव



अजयपुरी गोस्वामी
(स्टाम्प वेण्डर)
दधौलपुर



मध्य प्रदेश MADHYA PRADESH

BW 125923

UNDERTAKING

Subject: - Issue of permission for stringing of overhead 400KV electrical conductor, Crossing Near Amla Village (Near Namaste Restaurant), in between Chainage 62 & 63 Kms in Badanagar Tehsil, Ujjain District.

3. **We M/s. ReNew Urja Shachar Private Ltd., Corporate Office-** ReNew Hub, Commercial Block-1, Zone-6, Golf Course Road, DLF City Phase-V, Gurugram-122009.

Registered Office- 138, Ansal Chambers-II, Bhikaji Cama Place, New Delhi-110066.

With

4. **The Project Director,** National Highway Authority of India, PIU- Implementation Unit, Plot No- 01, Prem Nagar, Dewas-Ujjain National Highway, Village – Ujjain (M.P)- 456664.

We here by undertake the standard conditions of NHAI Guidelines: -

9. **We M/s. RENEW URJA SHACHAR PRIVATE LTD./GURUGRAM** hereby do undertake that Expenditure, if any, incurred by electric department for repairing any damage caused to the National Highway by the laying, maintenance or shifting of the overhead electrical line located in the National Highway right of way, will be borne by us.



2492
25/06/2025

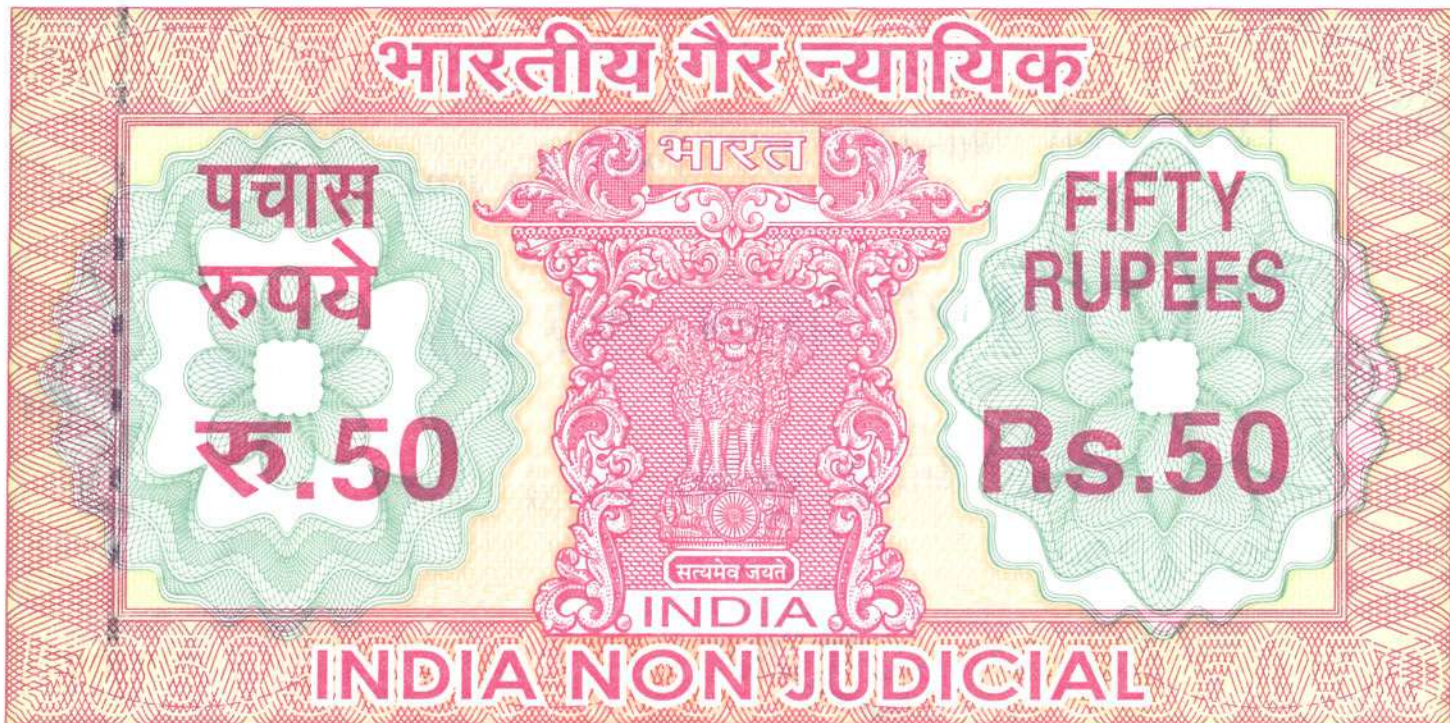
रिन्गु उर्जा माचार पा. लि. गुरुग्राम

प्रोजेक्ट डायरेक्टर नेशनल हाइवे अथोरिटी ऑफ इण्डिया उज्जैन

हस्ता अनिल कुमार भादव



अजयपुरी गोरवानी
(स्टाम्प वेण्डर)
दपोलपुर



मध्य प्रदेश MADHYA PRADESH

BW 125924

UNDERTAKING

Subject: - Issue of permission for stringing of overhead 400KV electrical conductor, Crossing Near Amla Village (Near Namaste Restaurant), in between Chainage 62 & 63 Kms in Badanagar Tehsil, Ujjain District.

1. **We M/s. ReNew Urja Shachar Private Ltd., Corporate Office-** ReNew Hub, Commercial Block-1, Zone-6, Golf Course Road, DLF City Phase-V, Gurugram-122009.
Registered Office- 138, Ansal Chambers-II, Bhikaji Cama Place, New Delhi-110066.
With
2. **The Project Director,** National Highway Authority of India, PIU- Implementation Unit, Plot No- 01, Prem Nagar, Dewas-Ujjain National Highway, Village – Ujjain (M.P)- 456664.

We here by undertake the standard conditions of NHAI Guidelines: -

10. We **M/s. RENEW URJA SHACHAR PRIVATE LTD./GURUGRAM** hereby do undertake that, if the NH considers it necessary in future to move the utility line for any work of improvement or repairs to the road, it will be carried out as desired by the NH Authority at the cost of the electric department owing the utility line within a reasonable time (not exceeding 60 days) of the intimation given.

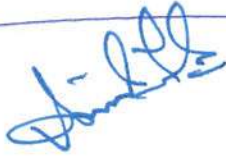


2493
25/06/2025

~~रिन्पू उर्जा आचार पी. लि. गुरुग्राम~~

~~प्रो जेकर डाइरेक्टर नेशनल हाइवे अथॉरिटी ऑफ इंडिया उज्जैन~~

हस्ता अनिल कुमार यादव



अजयपुरी गौस्वामी
(स्टाम्प वेण्डर)
(दुपेलपुर)



PIU Ujjain, NHAI <ujjainnhai@gmail.com>

Proposal for approval of overhead crossing of NH-752D in between milestone 62 & 63kms near village Alma Badnawar

1 message

PIU Ujjain, NHAI <ujjainnhai@gmail.com>
To: anil.yadav@renew.com

Tue, Jun 24, 2025 at 2:48 PM

Sir.

Vide your letter dated 27.05.2025, you are requested to approval of overhead crossing permission.

It is requested to submit above document:

1. Agreement signed Copy.
2. Undertaking as per MoRT&H guidelines.

It is requested to submit above document, so that proposal is further processed.

Regards 

Project Director

National Highways Authority of India

Project Implementation Unit-Ujjain

Ujjain, MP-456664



L.N. MALVIYA INFRA PROJECTS PVT. LTD.

Project Office: Plot No. H-2/3 Shipra Vihar, Colony, Ujjain (M.P.) - 456010

E-mail : lnmujainbadnawar2022@gmail.com

LNMIPL/PD/NHAI/Ujjain-Badnawar/2025-26/948

Date: 18.06.2025

To,
The Project Director,
Project Implementation Units Ujjain
National Highways Authority of India,
Prem Nagar, Ujjain-Dewas National Highway
Village Chandesari, Ujjain, (M.P) 456664
Email: piuujjain@nhai.org , ujjainnhai@gmail.com

Sub: Independent Engineer Services for 4- Laning Ujjain – Badnawar Section of NH-752 D,(spur) from km 26.900 to km 96.00 (length 69.10 km) in the state of Madhya Pradesh on HAM mode.
Reg: Overhead Crossing of electrical line at NH 752D - Ujjain Badnawar Project.

Ref.: NHAI/PIU/UJJAIN/UB/400 Kv line/2025/576 dated 11/06/2025

Dear Sir,


We conducted a joint verification with Er of Renew Urja Sanchar Private Limited and concessionaire representative for the proposed 400kV overhead crossing of NH 752D (between 62-63 km near Amla Badnawar). As per MoRTH circular dated 22/11/2016:

- No structures are within 230 Mtr. from the location of proposed crossing of electrical line.
- Available ROW is 60m.
- Proposed Crossing span length is 250 Mtr.
- Proposed Vertical clearance is 16.24 Mtr.

We recommend the proposal with the attached checklist.

Thanking you and assuring our best services also.

For L. N. Malviya Infra Projects Pvt. Ltd.


Pramod Kumar Shrivastava
Team Leader cum Sr. Highway Engineer
Ujjain – Badnawar (M.P)

Letter No/Date.....

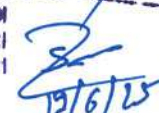
DGM (T.) 11/II

Mang. (T.) 11/II

Dist Mang. (T.) 11/II

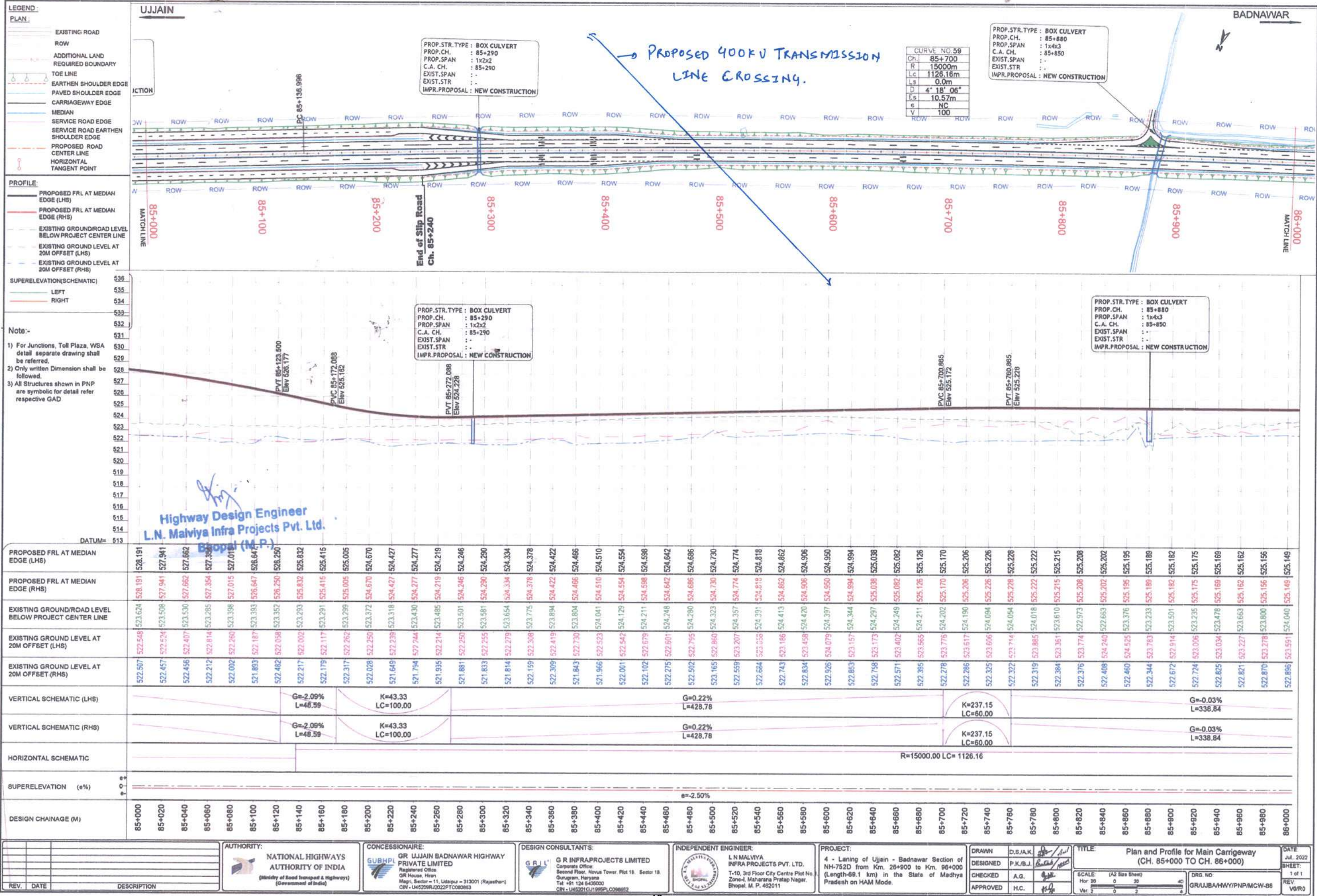
J. Secy.


Manish
DFA 9/25

1042 / 12/6/2025

12/6/25


PD/Ujjain

- Copy to:-** 1) M/s GR Ujjain Badnawar Highway Pvt. Ltd.
2) L.N. Malviya Infra Projects Pvt. Ltd.
3) Coordinator, M/s L.N. Malviya Infra Projects Pvt. Ltd. Bhopal.



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)
National Highways Authority of India
(Ministry of Road Transport & Highways)
परियोजना कार्यान्वयन इकाई/Project Implementation Unit
कार्यालय: ०१, प्रेम नगर, उज्जैन फ्लायाओवर के पास ग्राम चंदेसरी
उज्जैन (म.प्र.)-४५६६६४
Office: 01, Prem Nagar, Village Chandesar, N. Dewas-Ujjain Flyover, Ujjain (M.P.)-456664
ई-मेल / E-mail - ujjainnhai@gmail.com, piujain@nhai.org
www.nhai.gov.in, Ph: 0734-3551395



NHAI/PIU/UJJAIN/UB/400kv line/2025/ *576*

Date: 11.06.2025

To,

Team Leader,
Independent Engineer
M/s L.N. Malviya Infra Projects Pvt. Ltd.
Ujjain-Badnawar Project
Email: Inmujainbadnawar2022@gmail.com

Sub: 4-Lanning of Ujjain – Badnawar section of NH-752D (Spur) from Km 26+900 to Km 96+000 in state of Madhya Pradesh on Hybrid Annuity Mode - Construction of 400KV S/C (on DC towers) transmission line from Runija PSS (Wind switchyard) to Indore (PGCIL) substation- Proposal for approval of overhead crossing of NH-752D in between milestone 62 & 63kms near village Alma Badnawar-reg.

Ref: 1. Renew Urja Shachar Pvt Ltd letter no. 98 dated 27.05.2025 (Received on 09.06.2025).
2. MoRT&H circular no. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016 *Amendment dated 24.04.2023)

Sir,

Please refer letter under reference dated 27.05.2025 vide which Renew Urja Shachar Pvt Ltd, has requested for approval of overhead crossing in between their milestone 62 & 63kms near village Alma Badnawar under subject project.

2- In this regard, it is requested to examine the proposal as per MoRT&H circular dated 22.11.2016 and submit recommendation at the earliest, so that the proposal can be further processed. Also carry out the joint visit alongwith concessionair's representative of the project.

Encl: As above.

Yours Sincerely,

(M.L. Purbia)

Project Director,
NHAI, PIU, Ujjain

Copy to:

- Project Manager, M/s GR Ujjain Badnawar Highway Pvt. Ltd. for information & necessary action.
- M/s Renew Urja Shachar Pvt Ltd for information & necessary action.

Ref: RUSPL /TL/2025-26/NH/98

Date:27.05.2025

To,
The Project Director
National Highway Authority of India Ltd.
Project Implementation Unit, 01, Prem Nagar,
Dewas-Ujjain National Highway, Vill- Chandesari
Ujjain – 456664, Madhya Pradesh
Email: ujjainnhai@gmail.com, piuujain@nhai.org

Sub: Construction of 400 KV S/C (on D/C towers) Transmission line from Runija PSS (Wind Project switchyard) to Indore (PGCIL) Substation. – Proposal for approval of overhead crossing of NH-752D in between milestone 62 & 63 Kms near Village Amla, Badnawar.

Ref: - Prior approval of Government of India, Ministry of Power letter No. 25-171112024-PG Dated 19th January,2024 under section 68 (1) of The Indian Electricity Act, 2003.

Dear Sir,

ReNew Urja Shachar Private Limited (RUSPL) is developing 300 MW Wind power projects in the state of Madhya Pradesh.

ReNew Urja Shachar Private Limited (RUSPL) have applied and granted Connectivity at Indore PGCIL Substation by Central Transmission Utility of India Limited (CTUIL). Further, Central Electricity Authority (CEA), GOI has granted the approval of Government of India under Section 68 (I) of Indian Electricity Act 2003 vide letter dated 19.01.2024 for the Transmission System.

For evacuation of power from said Renewables energy plants, following transmission system is being constructed: -

- 400 KV S/C (on D/c towers) RUSPL (Generation Switchyard)- Indore (Sec-A: With Indore and Khandwa lines) PGCIL Sub-station transmission line.
- 33/400 KV Pooling Sub-station (Generation Switchyard of RUSPL)

We would like to draw your kind attention that, the above mentioned under construction 400 KV Single Circuit (on Double Circuit towers) from Runija PSS (Wind Project switchyard) to Indore (PGCIL) Substation Transmission Line, is overhead crossing, the NH-752D in between Milestone 62 & 63 Kms, at near village – Amla, Tehsil- Badnawar. The details of national highway-752D crossings is as per given below:

SL No.	NH-752D Crossing Tower No.	Span in Meter	Existing NH-752D to be Crossed Overhead	Proposed Clearance in Meter
1	AP-3B & AP-3C	250	NH-752D (Ujjain-Badnawar) crossing at near Village- Amla, Tehsil-Badnawar, Distt- Dhar MP in between milestone – 62 & 63 Kms	16.24 Mtrs

ReNew Urja Shachar Private Limited

CIN: U40100DL2022PTC394039

Corporate Office ReNew.Hub, Commercial Block-1, Zone-6, Golf Course Road, DLF City Phase-V, Gurugram-122009
Registered Office 138, Ansal Chambers-II, Bhikaji Cama Place, Delhi - 110066

File No. PROJ-12016(64)/7/2025-PIU Ujjain (Computer No. 288148)
Generated from eOffice by VINAKSHI BAHAT, RO Bhopal (MP West), DGM (TECH) - VD, DGM (TECH), RO Bhopal (MP West) on 21/07/2025 06:11 pm

WWW.RENEW.CO.IN T: 91 124 489 6670 F: 91 124 489 6699



The necessary clearance between the bottom conductor of our 400kV line and the top of center divider of National Highway being crossed have been ensured in the proposal.

All the necessary documents are herewith furnished for your kind perusal and needful please.

The following documents are as per below:

1. The crossing profile of 400kV Transmission Line.
2. The crossing key plan profile of 400KV Transmission Line.
3. Statement of Salient feature (Check List) of the crossing.
4. Tower schedule of proposed crossing of 400kV Transmission line.
5. Single Line Diagram of Tower.
6. Tower Spotting Data & Tower Test Report.
7. Google Earth Image of 400KV line crossing point at NH-752D
8. Applicable GOI Documents Regulating the Transmission Line Construction
9. Prior approval granted by GOI, MOP under section 68(1) of Electricity Act – 2003
10. Gazette Authorization under Section 164 of the Electricity Act - 2003

In the event, if your office intends to have a field visit for joint verification – kindly depute your representative for the same and let us know the date and time so that accordingly surveyor with TS machine can be made available.

Hence you are requested you to kindly look into the proposal and do the needful to process and provide the approval/NOC at the earliest for timely completion of this line.

Thanking you and looking forward for kind support to complete this fast – track project of national importance as per schedule timeline.

Yours Faithfully

For ReNew Urja Shachar Private Ltd.

(Authorized Signatory)

Anil Kumar Yadav

Project Manager

Mob+91-8989500800

Email: anil.yadav@renew.com



Encl: - as per above — 02 sets

Site Office: - 101, Nakshtra City, Depalpur-453115, Distt- Indore, Madhya Pradesh.









ReNew Urja Shachar Private Limited

CIN: U40100DL2022PTC394039

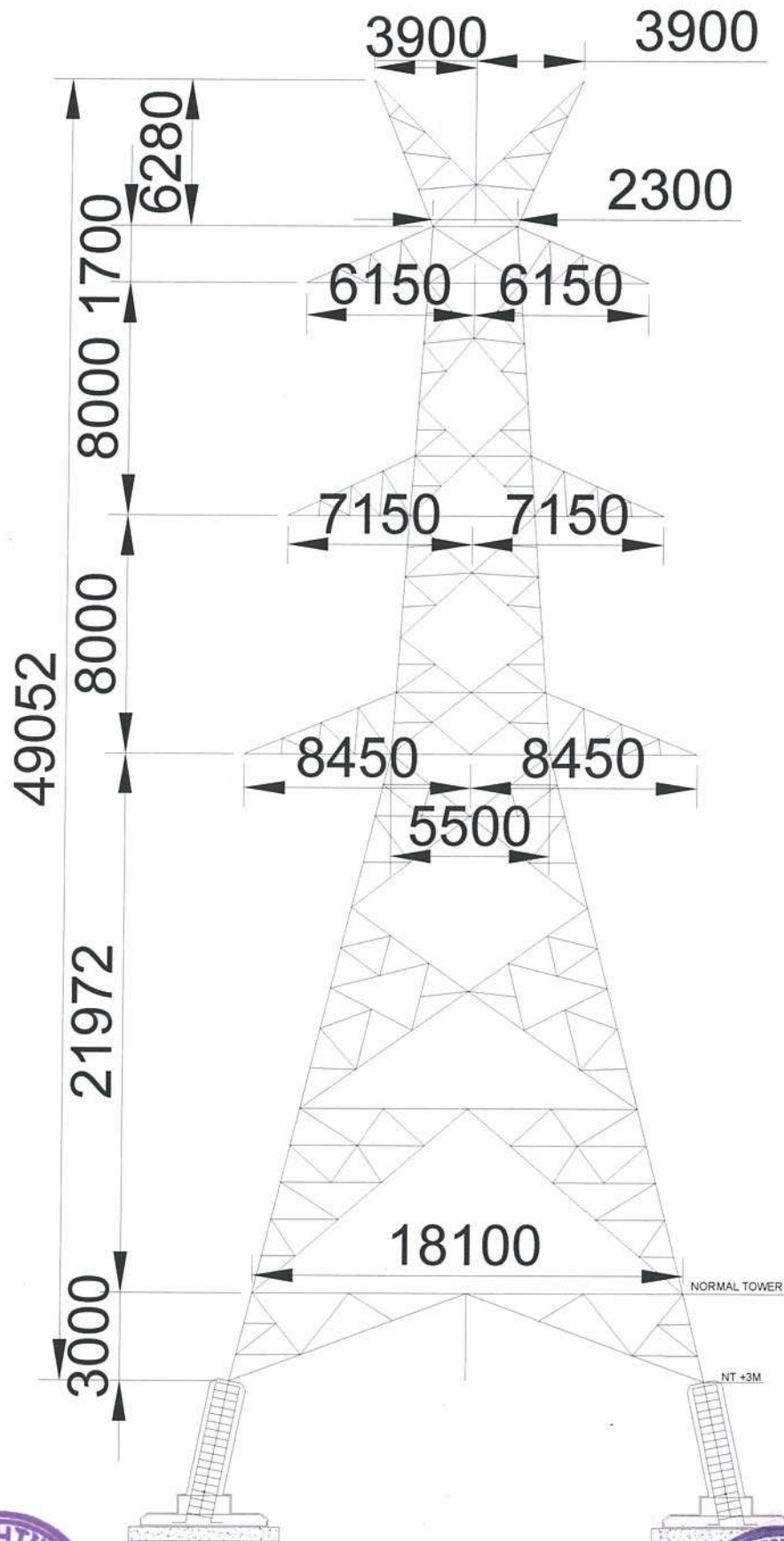
Corporate Office ReNew.Hub, Commercial Block-51, 1st Floor-6, Golf Course Road, DLF City Phase-V, Gurugram-122009
Registered Office 138, Ansal Chambers-II, Bhikaji Cama Place, Delhi - 110066

W www.renew.com T +91 124 489 6670 F +91 124 489 6699

400 Kv S/C line (on D/C tower) Runija PSS - Indore (PGCIL) transmission line for power evacuation from 1000 MW wind power project, Runija.																											
Executive Agency:- M/S Transrail lighting limited																											
Check Survey Report of 400 Kv S/C line (on D/C tower) Runija PSS - Indore (PGCIL) Transmission Line (Section LOC-3A/3 to LOC-3C/1 : 0.884 KM)																											
Sl. No.	As Per Detail survey				As Per Check Survey				Wind Span (m)				Wt. Span (Hot)				Wt. Span (Cold)				Adjacent Span			UTM Coordinate (Zone-43N)			Remarks
	AP,wise loc. No.	Angle of Deviation (Deg)	Type of Tower	Sectional Length (M.)	Span (m)	Cum. Span (m)	Left	Right	Total	Left	Right	Total	Left	Right	Total	Left	Right	Total	X - Coordinate	Y - Coordinate	Elevation						
1	3A/3	00°00'00"	DA+3	306		0	168	143	311	164	134	298	346	306	652				531869.244	2547765.519	492.961				11KV LINE		
2	AP-3B	6°56'20"RT	DD+3	250	306	306	163	117	280	172	106	278	306	250	556				532056.042	2547523.112	495.049				4 NOS 33KV LINE, 11KV LINE, LT LINE, NALA, NATIONAL HIGHWAY 752D (UJJAIN TO BADNARWAR SECTION)		
3	AP-3C	19°03'18"LT	DD+3	250		556	133	133	266	144	106	250	250	328	578				532183.593	2547308.110	496.700				11KV LINE		
4	3C/1	00°00'00"	DA+9	328	328	884	196	146	342	222	124	346	328	344	672				532433.738	2547096.224	498.203						

Transrail lighting limited				ReNew Urja Shachar Private Limited			
 Surveyed By:-	 Checked By:-	 Submitted By:-	 Checked By:-	 Recommended By:-	 Approved By:-		

DD+3 TOWER SLD



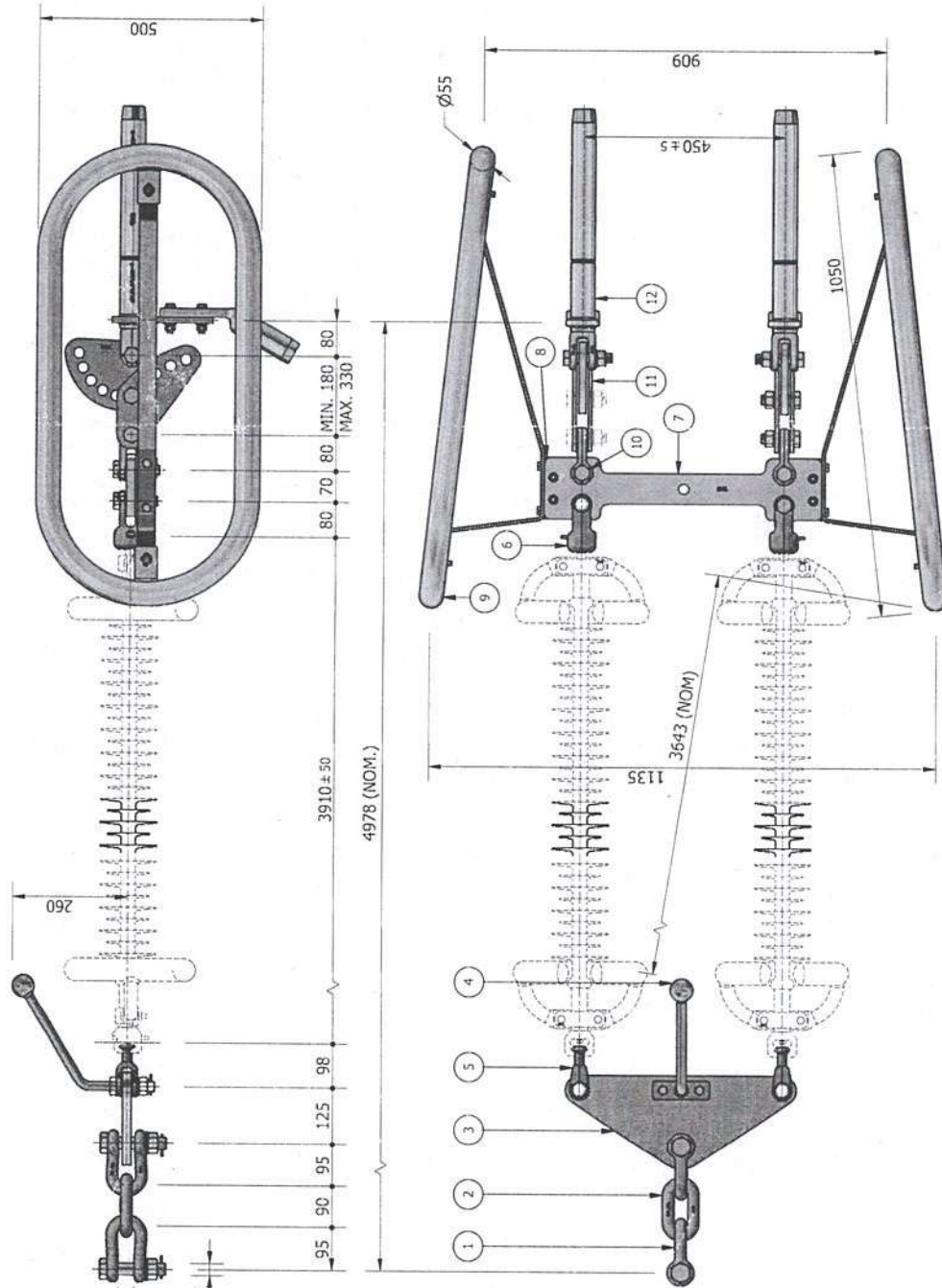
THIS DRAWING IS THE PROPERTY OF "TAG CORPORATION" AND SHOULD NOT BE COPIED OR REPRODUCED WITHOUT PROPER AUTHORIZATION.

ITEM CODE F00204183

TECHNICAL DATA

1. ASSEMBLY MINIMUM ULTIMATE TENSILE STRENGTH - 320 kN.
2. BALL & SOCKET DESIGNATION - 20mm AS PER IS:2486 (PART-II).
3. BALL & SOCKET LOCKING BY R-CLIP
MADE OF STAINLESS STEEL.
4. SPRING WASHER ELECTRO GALVANIZED AS PER SPECIFICATION.
5. ALL FERROUS PARTS HOT DIP GALVANIZED AS PER IS:2629.
6. TOLERANCE ON LENGTH OF HARDWARE IS $\pm 2\%$.
7. HARDWARE SUITABLE FOR
AL-59 MOOSE (031.7) CONDUCTOR.

ReNew		Renew Green Energy Solutions Private Limited	
CAT-1	<input checked="" type="checkbox"/>	APPROVED/RELEASED FOR FABRICATION/CONSTRUCTION	
CAT-2	<input type="checkbox"/>	APPROVED/RELEASED FOR FABRICATION/CONSTRUCTION SUBJECT TO INCORPORATION OF COMMENTS. SIGNATURES AS NOTED REVISED DRAWINGS REQUEST	
CAT-3	<input type="checkbox"/>	TO BE SUBMITTED FOR APPROVAL AFTER INCORPORATING THE COMMENTS	
CAT-4	<input type="checkbox"/>	FOR INFORMATION & RECORDS ONLY	
CAT-5	<input type="checkbox"/>	REJECTED & RETURNED WITHOUT REVIEW	
APPROVED BY: RAJAT TIWARI		SIGN: _____	
DATE: 10/07/2023		Ref: RNS/CL/4978/TL/LS-514503	
DRAWING DOCUMENTS ONLY GENERAL COMPLIANCE WITH SPECIFICATION AND DESIGN REQUIREMENTS OF ANS RESPONSIBILITY TOWARDS CORRECT DESIGN, CONTRACT, AND QUALITY FOR CONSTRUCTION WITHIN THE SCOPE OF THE DRAWING OF APPLICABLE STANDARDS.			



PROJECT NAME	M/s. ReNew Green Energy Solutions Private Limited		
PROJECT NAME	G-514 : 400Kv Twin Moose conductor Transmission Line for power evacuation from 600MW Hybrid Power Project, Solapur		
LOA No.	i) LOA/Solapur/RGESPL/TL/TL-Services/Tower Pkg/2023-24, dt.31-05-2023. ii) LOA/Solapur/RGESPL/TL/TL-Supply/Tower Pkg/2023-24, dt.31-05-2023.		
CONTRACTOR NAME	M/s. Transrail Lighting Limited, Nagpur		
MANUFACTURER	TAG CORPORATION, CHENNAI.		
INTERNAL PROJECT CODE	AGX01		
REV	DATE	DESCRIPTION	PREP. BY
REVISION HISTORY			
GENERAL NOTE: 1. ALL DIMENSION ARE IN mm. 2. GENERAL TOLERANCE UNLESS OTHERWISE SPECIFIED IS $\pm 1\%$.			
ITEM DESCRIPTION: 400 kV DOUBLE TENSION STRING FOR TWIN AL-59 MOOSE (031.7) CONDUCTOR			
DRG. NO: TAG/DT/14/047/AGX01			
DATE: 10/07/2023			
DRAWN BY: J.F.			
CHKD. BY: D.M			
APP. BY: R.M			
SCALE: 1:11			
CHENNAI-600044, TAMILNADU, INDIA.			
TAG			
PART. NO	ITEM DESCRIPTION	DRG. NO	MATERIAL
BILL OF MATERIAL			
12	DEAD END ASSEMBLY	DEA4002.1	GALVANIZED STEEL / AL. ALLOY
11	SAG ADJUSTMENT PLATE	SEP3200	M.S (IS:2062)
10	CLEVIS EYE	CE2000	F.S (CL - IV, IS: 2004)
9	CORONA RING	CR4110.1	AL. ALLOY (TYPE-63400, IS: 733)
8	ANGLE PLATE	AP4000	M.S (IS:2062)
7	RECTANGULAR YOKE PLATE	RYP4119	M.S (IS:2062)
6	SOCKET CLEVIS	SC4100	F.S (CL - IV, IS: 2004)
5	BALL CLEVIS	BC2001	F.S (CL - IV, IS: 2004)
4	BALL ARCING HORN	BAH5102.2	M.S (IS:2062)
3	TRIANGULAR YOKE PLATE	TPY4100B	M.S (IS:2062)
2	CHAIN LINK	CL4200	F.S (CL - IV, IS: 2004)
1	D-SHACKLE	DS4101	F.S (CL - IV, IS: 2004)
		UTS (KN)	QTY (NOS.)
		95% Cond. UTS	2
		160	2
		160	2
		-	2
		-	2
		320	1
		160	2
		160	2
		-	2
		320	1
		320	1
		320	2

W.O.:

DSN No.: NRSS/400/TSD-1
REV: 2

PAN INDIA INFRAPROJECTS PVT. LTD

New Delhi

Owner NRSS XXXVI TRANSMISSION LIMITED


Owner's Engineer SMEC (India) PVT. LIMITED, GURGAON

Design Consultant SRUSHTI ASSOCIATES, MUMBAI

Project: SYSTEM STRENGTHENING SCHEME IN NORTHERN REGION
(NRSS - XXXVI) ALONG WITH LILO OF SIKAR - NEEMRANA
400 kV LINE AT BABAI (RRVPNL)LINE BABAI (RRVPNL) -BHIWANI (PG) 400 kv D/C
(TWIN ACSR MOOSE) TRANSMISSION LINE

Description: TOWER SPOTTING DATA

APPROVAL:

Drawing No.	Date	Rev No.	Remarks if any	Prep by	Checked by	App by	Status
NRSS/400/TSD-1	21.09.2017	0	First Submission	ASD	SMEC	SDS	
NRSS/400/TSD-1	05.10.17	2	Revised as per client's comments	ASD	SMEC Project Review Stamp	SDS	
NRSS/400/TSD-1	17.10.2017	2	Revised as per client's comments	ASD	Approved	SDS	✓
					Approved subject to comments incorporate		
					Return for correction/resubmission		
					Cancelled / Not Approved		
					Accepted for information/Reference		
					Accepted for information subject to comments incorporate		
					SIGN: 		



PAN INDIA INFRA PROJECTS PVT. LIMITED NEW DELHI		TOWER SPOTTING DATA FOR 400 KV D/C LINE (WZ-4)		DRG NO NRSS/400/TSD-1 REV-02	
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CALCULATION OF INDIVIDUAL SPAN FROM VERTICAL SEPARATION POINT OF VIEW.

TOWER TYPE	DA	DB	DC	DD
MIN. VERT. SPACING (s) - M	8.000	8.000	8.000	8.000
LENGTH OF INSULATOR (L) - M	4.000	0.000	0.000	0.000
VOLTAGE (V)	400	400	400	400
NORMAL SPAN (M)	400	400	400	400
SAG FOR NORMAL SPAN (M)	13.257	13.257	13.257	13.257
Sam =	2.667	2.667	2.667	2.667
SAG FOR INDIVIDUAL SPAN =	46.568	50.568	50.568	50.568
PERMISSIBLE SINGLE SPAN	749.69	781.22	781.22	781.22
SAY IN M	749	781	781	781

CALCULATION OF SAG FOR INDIVIDUAL SPAN :

AS PER DIN VDE 0210, CL 11.1.1, THE CLEARANCE OF CONDUCTOR AT MID-SPAN

FOR TOWER TYPE - DA (SUSPENSION)	FOR TOWER TYPE - DB/DC/DD (TENSION TOWER)
$a = k(f+l)^{0.5} + Sam$ where $k = co-eff = 0.75$ $a = \text{min. clearance of conductor} = 8.000 \text{ m}$ $l = \text{length of suspension insulator} = 4.000 \text{ m}$ $Sam = 2.667$ Substituting the above values, $8.000 = 0.750 \times (f + 4.000)^{0.5} + 2.667$ Solving above Eqn. We get Maximum Sag = $f = 46.568 \text{ m}$ Sag for Normal Span of 400m at 85° C = 13.257 m MAX. INDIVIDUAL SPAN = $(46.568 / 13.257)^{0.5} \times 400$ = 749.69 m SAY 749 m	$a = k(f+l)^{0.5} + Sam$ where $k = co-eff = 0.75$ $a = \text{min vertical separation} = 8.000 \text{ m}$ $l = \text{length of suspension insulator} = 0$ $Sam = 2.667$ Substituting the above values, $8.000 = 0.750 \times (f + 0.000)^{0.5} + 2.667$ Solving above Eqn. We get Maximum Sag = $f = 50.568 \text{ m}$ Sag for Normal Span of 400m at 85° C = 13.257 m MAX. INDIVIDUAL SPAN = $(50.568 / 13.257)^{0.5} \times 400$ = 781.22 m SAY 781 m

PAN INDIA INFRAPROJECTS PVT LIMITED				TOWER SPOTTING DATA FOR				DRG NO NRSS /400/TSD-1			
NEW DELHI				400 KV D/C LINE (WZ-4)				REV - 02			
THESE ARE IMPORTANT INSTRUCTIONS FOR FIELD ENGINEERS:-											
IT WILL BE ABSOLUTELY ESSENTIAL TO ENSURE TOWER SPOTTING AS PER LIMITATIONS TABULATED BELOW AND TO SEE THAT DURING STRINGING OPERATIONS, THE DESIGN CRITERIA FOR EACH TOWER TYPE IS NOT EXCEEDED.											
TOWER SPOTTING REQUIREMENTS				NORMAL SPAN = 400 m							
TOWER TYPE	T.T. "DA"		T.T. "DB"		T.T. "DC"		T.T. "DD"		T.T. "DE"		
1. Deviation Angle	2°		0°-15°		15° - 30°		30° - 60°		0° - 15° Entry		
Weight span : (m)	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	
Conductor :											
Effect both span (NC)	600	200	600	0	600	0	600	0	600	0	
Effect one span (BWC)	360	100	360	-200	360	-200	360	-300	360	-300	
Groundwire :											
Effect both span (NC)	600	200	600	0	600	0	600	0	600	0	
Effect one span (BWC)	360	100	360	-200	360	-200	360	-300	360	-300	
4. Permissible sum of adjacent wind spans for various deviation angles (m)	Dev.	Span	Dev.	Span	Dev.	Span	Dev.	Span	Dev.	Span	
	2	800	15	800	30	800	60	800	15	480	
	1	849	14	847	29	842	59	819	14	525	
	0	899	13	895	28	884	58	839	13	569	
			12	943	27	926	57	860	12	613	
			11	990	26	968	56	881	11	659	
			10	1039	25	1011	55	903	10	703	
			9	1087	24	1053	54	926	9	748	
			8	1135	23	1096	53	949	8	781	
			7	1184	22	1139	52	974	& Below		
			6	1233	21	1183	51	998			
			5	1283	20	1226	50	1024			
			4	1332	19	1270	49	1049			
			3	1382	18	1314	48	1075			
			2	1432	17	1359	47	1103			
			1	1482	16	1403	46	1130			
			0	1533			45	1157			
							44	1186			
							43	1215			
							42	1244			
							41	1275			
							40	1305			
							39	1335			
							38	1367			
							37	1399			
							36	1430			
							35	1463			
							34	1495			
							33	1531			
							32	1562			
							& Below				
5. Min Ground Clr + Sag Error	8.990		8.990		8.990		8.990		8.990		
DESIGN CALCULATION NO.	NRSS/400/DES-1		NRSS/400/DES-2		NRSS/400/DES-3		NRSS/400/DES-4		NRSS/400/DES-4		



PAN INDIA INFRAPROJECTS PVT LIMITED	TOWER SPOTING DATA FOR	DRG NO NRSS/400/TDS-1
NEW DELHI	400 KV D/C LINE (WIND ZONE - IV)	REV-02

Table for EXTRA GROUND CLEARANCE TO BE PROVIDED FOR EQUIVALENT SPAN LESSER THAN = 400 M

Formula = $wtc/8 * \text{span}^2 * (1/T1 - 1/T2)$

S. No.	Eq. Span	Tension (T1) AS PER STRINGING CHART 85DEG NO WIND	Tension (T2) AS PER SAG TENSION CHART 85DEG NO WIND	EXTRA GROUND CLEARANCE
	(M)	(kg)	(kg)	(M)
1	400	3023.29	3023.29	0.000
2	390	3002.55	3023.29	0.087
3	380	2980.82	3023.29	0.170
4	370	2958.05	3023.29	0.250
5	360	2934.17	3023.29	0.326
6	350	2909.13	3023.29	0.398
7	340	2882.84	3023.29	0.467
8	330	2855.24	3023.29	0.531
9	320	2826.25	3023.29	0.592
10	310	2795.79	3023.29	0.648
11	300	2763.77	3023.29	0.700
12	290	2730.10	3023.29	0.748
13	280	2694.67	3023.29	0.792
14	270	2657.37	3023.29	0.832
15	260	2618.10	3023.29	0.867
16	250	2576.73	3023.29	0.897
17	240	2533.13	3023.29	0.923
18	230	2487.15	3023.29	0.945
19	220	2438.65	3023.29	0.961
20	210	2387.47	3023.29	0.973
21	200	2333.42	3023.29	0.980

NOTES:

1. ABOVE EXTRA SAG TO BE USED WHEN PROFILE IS DONE WITHOUT PLS CADD SOFTWARE.



PAN INDIA INFRAPROJECTS PVT LIMITED	TOWER SPOTING DATA FOR	DRG NO NRSS/400/TDS-1
NEW DELHI	400 KV D/C LINE (WIND ZONE - IV)	REV-02

Table for EXTRA GROUND CLEARANCE TO BE PROVIDED FOR EQUIVALENT SPAN LESSER THAN = 400 M
Formula = $wtc/8 * span^2 * (1/T1 - 1/T2)$

S. No.	Eq. Span	Tension (T1) AS PER STRINGING	Tension (T2) AS PER SAG TENSION	EXTRA GROUND
		CHART 85DEG NO WIND	CHART 85DEG NO WIND	CLEARANCE
	(M)	(kg)	(kg)	(M)
1	400	3023.29	3023.29	0.000
2	410	3021.17	3023.29	0.010
3	420	3019.18	3023.29	0.020
4	430	3017.32	3023.29	0.030
5	440	3015.57	3023.29	0.041
6	450	3013.92	3023.29	0.052
7	460	3012.37	3023.29	0.064
8	470	3010.91	3023.29	0.075
9	480	3009.53	3023.29	0.087
10	490	3008.23	3023.29	0.100
11	500	3007.00	3023.29	0.112
12	510	3005.84	3023.29	0.125
13	520	3004.73	3023.29	0.138
14	530	3003.69	3023.29	0.152
15	540	3002.70	3023.29	0.166
16	550	3001.76	3023.29	0.180
17	560	3000.86	3023.29	0.194
18	570	3000.01	3023.29	0.209
19	580	2999.20	3023.29	0.224
20	590	2998.43	3023.29	0.239
21	600	2997.70	3023.29	0.255

NOTES:

1. ABOVE EXTRA SAG TO BE USED WHEN PROFILE IS DONE WITHOUT PLS CADD SOFTWARE.



PAN INDIA INFRAPROJECTS PVT LTD
NEW DELHI

TOWER SPOTTING DATA FOR
400 KV D/C LINE (WZ-4)

DRG NO NRSS/400/TSD-1
SHEET NO 5 OF 5

I TOWER TYPES AND USES:

- (i) Tower type DA shall be used for suspension tower up to 2° Deviation angle
- (ii) Tower type DB shall be used as tension tower for 0° - 15° Deviation angle.
- (iii) Tower type DC shall be used as tension tower for 15° - 30° Deviation angle.
- (iv) Tower type DD shall be used as tension tower for 30° - 60° Deviation angle and Dead End tower up to 15° angle of entry on Line side.

II ELECTRICAL CLEARANCE FOR RAILWAY CROSSING:

- Prior approval of Railway Authority is to be obtained.
- For Electrified section: Minimum Clearance from rail level

(i) at OHE structures: 18.260m

(ii) at Mid OHE Span: 15.434m

- For non-Electrified section:

(i) Minimum Clearance from rail level: 18.260m

- Minimum Clearance between highest traction conductor & lowest conductor: 5.490m.
- The crossing span shall be limited to 300m.
- The crossing span shall normally be at right angle to the railway track.
- The crossing should be done with DD type tower.
- The minimum distance of the crossing tower shall be at least equal to height of tower plus 6m away measured from the nearest railway track.
- No crossing shall be located over a booster transformer, traction switching station, traction substation or a traction cabin location in an electrified area.

III MINIMUM CLEARANCE FOR POWER LINE CROSSING EACH OTHER

Voltage Level 400 kV (mm)

Voltage Level	400 kV (mm)
66 kV	5490
132 kV	5490
220 kV	5490
400 kV	5490

Power line crossing for 400kv shall be done with DD type tower.

Power line crossing for 220KV and 132KV line could be done with angle tower as per requirement.

Power line crossing for 66KV and below line could be done with any type of tower.

IV. TELECOMMUNICATION LINE CROSSING:

The angle of crossing shall be as near as 90° as possible. However deviation up to 60° may be permitted under extremely difficult situations. For crossing angle below 60°, Matter shall be referred to the authorities.

V. Number of consecutive spans between section towers shall be limited to 15 spans or 5 km for plain terrain and 10 spans or 3 km for hilly terrain. Section point shall be angle tower type DB/DC/DD.

VI. Intermediate spans of a Section shall be as near as possible to normal span.

VI. ROAD CROSSING : Minimum ground clearance of 8.840 m shall be maintained at 85° C and No wind condition. Angle tower shall be used for High way crossing.

VIII. RIGHT OF WAY (ROW) : Minimum width of Right of Way (ROW) is 46M.



**GOVERNMENT OF INDIA
MINISTRY OF POWER
CENTRAL ELECTRICITY BOARD**

**THE INDIAN ELECTRICITY RULES, 1956
(AS AMENDED UPTO 25TH NOV., 2000)**

**UNDER SECTION 37 OF THE INDIAN ELECTRICITY
ACT, 1910 (9 OF 1910)**

**REGULATING THE GENERATION, TRANSMISSION,
SUPPLY AND USE OF ELECTRICAL ENERGY AND
GENERALLY TO CARRY OUT THE PURPOSES AND
OBJECTS OF THE SAID ACT**

(5) In the absence of an agreement to the contrary between the parties concerned, the cost of such alteration of the overhead line laid down shall be estimated on the following basis, namely:-

- (a) the cost of additional material used on the alteration giving due credit for the depreciated cost of the material which would be available from the existing line;
- (b) the wages of Labour employed in affecting the alteration;
- (c) supervision charges to the extent of 15 per cent of the wages mentioned in clause (b); and
- (d) any charges incurred by the supplier in complying with the provisions of section 16 of the Act in respect of such alterations.

(6) Where the estimated cost of the alteration of the overhead line is not deposited the supplier shall be considered as an aggrieved party for the purpose of this rule.

[82A. Transporting and Storing of material near overhead lines.]-(1) No rods, pipes or similar materials shall be taken below or in the vicinity of any bare overhead conductors or lines if they are likely to infringe the provisions for clearances under rules 79 and 80, unless such materials are transported under the direct supervision of a competent person authorised in this behalf by the owner of such overhead conductors or lines.

(2) Under no circumstances rods, pipes or other similar materials shall be brought within the flash over distance of bare live conductors or lines; and

(3) No material or earth work or agricultural produce shall be dumped or stored or trees grown below or in the vicinity of bare overhead conductors / lines so as to reduce the requisite safety clearances specified under rules 79 and 80.]

83. Clearances: General.-For the purpose of computing the vertical clearance of an overhead line, the maximum sag of any conductor shall be calculated on the basis of the maximum sag in still air and the maximum temperature as specified by the State Government under rule 76(2)(d). Similarly, for the purpose of computing any horizontal clearance of an overhead line the maximum deflection of any conductor shall be calculated on the basis of the wind pressure specified by the State Government under rule 76(2)(a) or may be taken as 35⁰, whichever is greater.

84. Routes: Proximity to aerodromes.-Overhead lines shall not be erected in the vicinity of aerodromes until the aerodrome authorities have approved in writing the route of the proposed lines.

85. Maximum interval between supports.-All conductors shall be attached to supports at intervals not exceeding the safe limits based on the ultimate tensile strength of the conductor and the factor of safety prescribed in rule 76:

Provided that in the case of overhead lines carrying low or medium voltage conductors, when erected in, over, along or across any street, the interval shall not, without the consent in writing of the Inspector, exceed 65 metres.

86. Conditions to apply where telecommunication lines and power lines are carried on same supports.-(1) Every overhead telecommunication line erected on supports carrying a power line shall consist of conductors each having a breaking strength of not less than 270 kg.

1. Ins. vide G.S.R. 358, dated 9-5-1987.

(2) Every telephone used on a telecommunication line erected on supports carrying a power line shall be suitably guarded against lightning and shall be protected by cut-outs.

(3) Where a telecommunication line is erected on supports carrying a high or extra-high voltage power line, arrangement shall be made to safeguard any person using the telephone against injury resulting from contact, leakage or induction between such power and telecommunication lines.

✓ **87. Lines crossing or approaching each other:-** (1) Where an overhead line crosses or is in proximity to any telecommunication line, either the owner of the overhead line or the telecommunication line, whoever lays his line later, shall arrange to provide for protective devices or guarding arrangements, in a manner laid down in the Code of Practice or the guidelines prepared by the Power and Telecommunication Coordination Committee and subject to the provisions of the following sub-rules:-

(2) When it is intended to erect a telecommunication line or an overhead line which will cross or be in proximity to an overhead line or a telecommunication line, as the case may be, the person proposing to erect such line shall give one month's notice of his intention so to do along with the relevant details of protection and drawings to the owner of the existing line.

¹[(3) Where an overhead line crosses or is in proximity to another overhead line, guarding arrangements shall be provided so to guard against the possibility of their coming into contact with each other.

Where an overhead line crosses another overhead line, clearances shall be as under:-

²[Minimum clearances in metres between lines crossing each other,

Sl. No.	Nominal System Voltage	11-66 KV	110-132 KV	220 KV	400 KV	800 KV
1.	Low & Medium	2.44	3.05	4.58	5.49	7.94
2.	11-66KV	2.44	3.05	4.58	5.49	7.94
3.	110-132KV	3.05	3.05	4.58	5.49	7.94
4.	220KV	4.58	4.58	4.58	5.49	7.94
✓ 5.	400 KV	5.49	5.49	5.49	5.49	7.94
6.	800 KV	7.94	7.94	7.94	7.94	7.94]

Provided that no guardings are required when an extra high voltage line crosses over another extra-high voltage, high voltage, medium or low voltage line or a road or a tram subject to the condition that adequate clearances are provided between the lowest conductor of the extra-high voltage line and the top most conductor of the overhead line crossing underneath the extra-high voltage line and the clearances as stipulated in rule 77 from the topmost surface of the road is maintained]

(4) A person erecting or proposing to erect a line which may cross or be in proximity with an existing line, may normally provide guarding arrangements on his own line or require

1. Subs.vide G.S.R.256 dated 26-3-1983
2. Subs.vide G.S.R.466 dated 17-8-1991

No. 25-17/1/2024-PG
Government of India
Ministry of Power

Shram Shakti Bhawan, Rafi Marg
New Delhi -01, Dated 19th January, 2024

To,

Shri Mohit Jain, Authorized Signatory,
Renew Urja Shachar Private Limited,
ReNew.Hub, Commercial Block-1, Zone-6,
Golf Course Road, DLF Phase V, Gurugram,
Haryana, India- 122009
(Email: mohit.jain@renew.com).

Subject: Prior approval of the Government of India under Section 68 (1) of the Electricity Act, 2003 to M/s Renew Urja Shachar Private Limited (RUSPL) for installation of the dedicated overhead transmission line included in the transmission system for providing connectivity to M/s Renew Urja Shachar Private Limited for its proposed 300 MW Wind Power Project in District Ujjain, Madhya Pradesh- regarding.

Sir,

I am directed to refer to M/s Renew Urja Shachar Private Limited (RUSPL)'s online application on NSWS portal dated 20.12.2023, seeking prior approval of Government of India under Section 68 (1) of the Electricity Act 2003, in favor of M/s Renew Urja Shachar Private Limited for installation of the following dedicated overhead transmission line included in the transmission system for providing connectivity to M/s Renew Urja Shachar Private Limited for its proposed 300 MW Wind Power Project in District Ujjain, Madhya Pradesh:

- RUSPL-Indore (Sec-A: With Indore and Khandwa lines) 400 kV S/c line (on D/c tower) along with associated bay at Generation end (under the scope of applicant)
- 2. CTUIL vide letter with reference no. CTU/WR/CONN-INT-1A/2200000070 dated 09-11-2023 has granted connectivity for 300 MW to M/s Renew Urja Shachar Private Limited for its proposed 300 MW Wind Power Project in District Ujjain, Madhya Pradesh, through RUSPL-Indore (Sec A: With Indore and Khandwa lines) 400 kV S/c line (on D/c tower).
- 3. Based on the recommendation of Central Electricity Authority (CEA), Ministry of Power conveys the prior approval under Section 68 (1) of the Electricity Act, 2003 to M/s Renew Urja Shachar Private Limited (RUSPL) for installation of the following dedicated overhead transmission line included in the transmission system for providing connectivity to M/s Renew Urja Shachar Private Limited for its proposed 300 MW Wind Power Project in District Ujjain, Madhya Pradesh:

Cont/...

- RUSPL Generation Switchyard –Indore (PG) S/s (Sec-A: With Indore and Khandwa lines) 400 kV S/c line (on D/c tower)

(The generation switchyard is situated in Village Ajanda, Tehsil Badnagar, District Ujjain, Madhya Pradesh. The total line length is approx. 60 km, out of which approximately 500 m from Indore (PGCIL) Substation end would be implemented as S/c line on M/c towers and the remaining line would be implemented as S/c line on D/c towers)

4. The approval would be subject to compliance of:

- The relevant provisions of the Electricity Act 2003, as amended from time to time and the rules and regulations made there under, and
- CEA (Measures relating to Safety and Electrical Supply) Regulations 2023, and any subsequent amendments made thereto.

5. The approval would also be subject to the following conditions:

- The implementing agency will commence construction of the project within three years of grant of approval, unless this term is extended by the Ministry of Power.
- The Ministry of Power may withdraw the approval before the expiry of the period of three years after giving a one-month notice.
- The implementing agencies shall abide by the provisions of Works of Licensee Rules, 2006 notified by the Govt. of India, Ministry of Power in the Gazette of India, extra-ordinary Part-II, Section 3(i) dated 18-04-2006 (vide GSR 217 (E) dated 18-04-2006).

Yours faithfully,

M.V.N. Vara Prasad

(M.V.N. Vara Prasad)
Under Secretary to the Government of India
Tele: 011-23730264

Copy to:

The Chairperson, CEA
Sewa Bhawan, R.K. Puram Delhi



भारत का राजपत्र The Gazette of India

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CG-DL-E-26062024-254944

असाधारण
EXTRAORDINARY

भाग II—खण्ड 3—उप-खण्ड (ii)
PART II—Section 3—Sub-section (ii)

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं. 2334]

नई दिल्ली, बुधवार, जून 26, 2024/आषाढ 5, 1946

No. 2334]

NEW DELHI, WEDNESDAY, JUNE 26, 2024/ASHADHA 5, 1946

विद्युत मंत्रालय

आदेश

नई दिल्ली, 25 जून, 2024

का.आ. 2455(अ).—जबकि मेसर्स रिन्यू ऊर्जा शाचर प्राइवेट लिमिटेड, जिसका पंजीकृत कार्यालय 138, अंसल चैंबर्स-II, भीकाजी कामा प्लेस, दिल्ली – 110066, भारत में स्थित है, ने “उज्जैन, मध्य प्रदेश में 300 मेगावाट पवन ऊर्जा परियोजना के लिए रिन्यू ऊर्जा शाचर प्राइवेट लिमिटेड को कनेक्टिविटी प्रदान करने के लिए ट्रांसमिशन सिस्टम” में शामिल ओवरहेड ट्रांसमिशन लाइन की स्थापना के तहत ओवरहेड ट्रांसमिशन लाइन विछाने के लिए विद्युत अधिनियम, 2003 की धारा 164 के अंतर्गत प्राधिकृत करने हेतु आवेदन किया है।

और जबकि, विद्युत मंत्रालय, भारत सरकार ने अपने पत्र सं. 25-17/1/2024-PG दिनांकित 19.01.2024 के द्वारा “उज्जैन, मध्य प्रदेश में 300 मेगावाट पवन ऊर्जा परियोजना के लिए रिन्यू ऊर्जा शाचर प्राइवेट लिमिटेड को कनेक्टिविटी प्रदान करने के लिए ट्रांसमिशन सिस्टम” के अंतर्गत आने वाली ओवरहेड ट्रांसमिशन लाइन के लिए विद्युत अधिनियम की धारा 68(1) के अंतर्गत पूर्व अनुमोदन प्रदान किया था।

मेसर्स रिन्यू ऊर्जा शाचर प्राइवेट लिमिटेड ने स्थानीय समाचार पत्रों फ्री-प्रेस (अंग्रेजी में) दिनांक 25.01.2024, प्रभात सन्देश (हिंदी में) दिनांक 25.01.2024 और भारत के साप्ताहिक राजपत्र दिनांक 10.02.2024 में ट्रांसमिशन योजना के लिए प्रस्तावित ट्रांसमिशन मार्ग पर प्रकाशन की तारीख से 2 महीने के भीतर आम जनता की टिप्पणियों / अभ्यावेदन की मांग करते हुए नोटिस प्रकाशित किया था। इसके पश्चात, मेसर्स रिन्यू ऊर्जा शाचर प्राइवेट लिमिटेड ने 15.04.2024 दिनांकित एक हलफनामा प्रस्तुत किया, जिसमें घोषणा की गई है कि भारत सरकार के आधिकारिक राजपत्र एवं स्थानीय समाचार पत्रों में प्रकाशन की तारीख से 2 महीने के भीतर कोई टिप्पणी / अभ्यावेदन प्राप्त नहीं हुआ था।

और अब आवेदक ने विद्युत अधिनियम, 2003 की धारा 164 के अंतर्गत "उज्जैन, मध्य प्रदेश में 300 मेगावाट पवन ऊर्जा परियोजना के लिए रिन्यू ऊर्जा शाचर प्राइवेट लिमिटेड को कनेक्टिविटी प्रदान करने के लिए ट्रांसमिशन सिस्टम" के तहत ट्रांसमिशन लाइन बिछाने के लिए उसे वे सभी शक्तियां प्रदान करने का अनुरोध किया है, जो भारतीय टेलीग्राफ अधिनियम, 1885 के तहत टेलीग्राफ के प्रयोजन के लिए सरकार द्वारा स्थापित अथवा अनुरक्षित किये गए टेलीग्राफ लाइन एवं खम्भे या इस प्रकार की स्थापना और अनुरक्षण किये जाने के लिए, टेलीग्राफ प्राधिकरण को प्राप्त हैं। योजना के अंतर्गत निम्नलिखित ओवरहेड ट्रांसमिशन लाइन हैं:

1. रिन्यू ऊर्जा शाचर प्राइवेट लिमिटेड पवन ऊर्जा संयंत्र – इंदौर (पी जी) [एमईसी-ए: इंदौर और खंडवा लाइनों के साथ] 400 केवी एस/सी ओवरहेड लाइन (डी/सी टावर पर)।

उपरोक्त योजना के अंतर्गत ओवरहेड ट्रांसमिशन लाइन मध्य प्रदेश राज्य के निम्नांकित गाँवों, कस्बों और शहरों से होकर, उन पर से, उनके आसपास से और बीच से होकर गुजरेगी।

गाँवों के नाम	तालुक	जिला
कांकराज, बलौदा, डांगीखेड़ी	बदनावर	धार
आमला, अरंडिया, उबररिया, आजंदा, टुकीखेड़ी, लोहारिया, सारोला, भिरावद नया, भिरावद जूनी, धतुरिया, मुंडला, भोमलवास, लिखोदा, जलोदिया, सुरखंडवा, बागरेर, पिथौरा, उमरिया, असावता, देवारा, फत्तेपुर कुवाला, गुनावद, आकोलिया, टकरावदा, विसलखेड़ी	बड़नगर	उज्जैन
रलायता, नौगांवा खंजर, बछौरा, अत्याना, नौलाना, कुंधरा, सांतेर, गौतमपुरा, रूणजी, पालसोड़ा, चितौरा, मेंदकवास, फरकोदा, पिटावली, कारोदा, काई, काकवा, जलालपुरा, खेमीवदा, भीम बारोली, जामगोदा, गुरार, बरदाखेड़ी, सुनाला, कटकोडा, अटाहेड़ा, बनियाखेड़ी, करजोदा, देवराखेड़ी, रुद्रख्या, कनवासा, खरोतिया, उजलिया	देपालपुर	इंदौर
पिपली, खडान, खाखला, रंगकरगल्या(रंगरेज), खटेरिया, हरियाखेड़ी, बीबीखेड़ी, पिपल्या, पिपल्या कायस्थ, पाल काकरिया, कछलिया, अजनोद, मगरखेड़ी, बलगरा, सिन्नोद, मांडोत, दयाखेड़ा, नागपुर, ताकुन, बलौदा, धतुरिया, ब्राह्मणखेड़ी, कटकिया, कमाल्याखेड़ी, खामोद कमाल्या, बिसाखेड़ी, गवाला, मुकाता, लखमनखेड़ी, कजलाना, तराना, देवाली, दर्जी कराडला, सिलोदा बुजुर्ग, बालोदा, राजोदा, सोलसिंडा, धरमपुरी, जेतपुरा, सुरखेड़ी, गुरान, मालीखेड़ी, हतुनिया, पटवाखेड़ी, शाहना, कड़ावा, मुंडला हुसैन, ब्राह्मण पिपल्या	सांवेर	इंदौर

अब, सावधानीपूर्वक विचार करने के पश्चात, विद्युत मंत्रालय, भारत सरकार, मेसर्स रिन्यू ऊर्जा शाचर प्राइवेट लिमिटेड को उपरोक्त ओवरहेड ट्रांसमिशन लाइन को लगाने के लिए वे सभी शक्तियां निम्नलिखित निबंधनों एवं शर्तों के साथ प्रदान करता है, जो भारतीय टेलीग्राफ अधिनियम, 1885 के तहत टेलीग्राफ के प्रयोजन के लिए सरकार द्वारा स्थापित अथवा अनुरक्षित किये गए टेलीग्राफ लाइन एवं खम्भे या इस प्रकार की स्थापना और अनुरक्षण किये जाने के लिए, टेलीग्राफ प्राधिकरण को प्राप्त हैं-

- यह अनुमोदन 25 वर्षों के लिए प्रदान किया जाता है।
- आवेदक को प्रस्तावित लाइन की स्थापना से पूर्व संबंधित प्राधिकरणों अर्थात् स्थानीय निकायों, रेलवे, राष्ट्रीय राजमार्ग, राज्य राजमार्ग आदि की सहमति प्राप्त करनी होगी।
- आवेदक को विद्युत अधिनियम, 2003 के तहत समुचित आयोग के द्वारा तैयार किए गए ट्रांसमिशन, ओ एंड एम, ओपन एक्सेस आदि के विनियमों/संहिताओं का पालन करना होगा।
- आवेदक केंद्र सरकार के विद्युत निरीक्षक/मुख्य विद्युत निरीक्षक के अनुमोदन के पश्चात ही लाइन का प्रचालन करेगा।
- यह अनुमोदन आवेदक द्वारा विद्युत अधिनियम, 2003 के प्रावधानों और उसके तहत बनाए गए नियमों की अपेक्षाओं का अनुपालन किए जाने के अधीन है।
- मेसर्स रिन्यू ऊर्जा शाचर प्राइवेट लिमिटेड को विद्युत निरीक्षण के समय विमानन एवं रक्षा प्राधिकरणों इत्यादि, से अपेक्षित अनुमति को प्राप्त करने के बाद, इसे केंद्रीय विद्युत प्राधिकरण को विद्युत निरीक्षण के समय प्रस्तुत करना होगा।

- vii. यदि उपरोक्त ओवरहेड लाइन का मार्ग (या उपरोक्त ओवरहेड लाइन के मार्ग का कुछ भाग) ग्रेट इंडियन बस्टर्ड (जीआईबी) संभावित क्षेत्र (या प्राथमिकता क्षेत्र) में आता है तो आवेदक को ग्रेट इंडियन बस्टर्ड (जीआईबी) मामले के संबंध में 2019 की याचिका संख्या 838 पर माननीय उच्चतम न्यायालय के आदेशों का और माननीय उच्चतम न्यायालय द्वारा गठित तकनीकी/विशेषज्ञ समिति के निर्देशों का पालन करना होगा।

[फा. सं. 25-16/22/2024-पीजी]

एम.वी.एन. बरा प्रसाद, अवर सचिव (पीजी)

MINISTRY OF POWER

ORDER

New Delhi, the 25th June, 2024

S.O. 2455(E).—Whereas M/s Renew Urja Shachar Private Limited, the applicant, with its registered office at 138, Ansal Chambers- II, Bhikaji Cama Place, New Delhi -110066, India, has applied for authorization under Section 164 of the Electricity Act, 2003 for laying of overhead transmission line under the transmission scheme “Transmission System for providing connectivity to M/s Renew Urja Shachar Private Limited for its proposed 300 MW Wind Power Project in Ujjain, Madhya Pradesh”.

And whereas, Ministry of Power, Government of India vide its letter 25-17/1/2024-PG dated 19.01.2024 had granted prior approval under section 68(1) of the Electricity Act, 2003 for the overhead line covered under the transmission scheme “Transmission System for providing connectivity to M/s Renew Urja Shachar Private Limited for its proposed 300 MW Wind Power Project in Ujjain, Madhya Pradesh”.

M/s Renew Urja Shachar Private Limited had published notice for transmission scheme in local newspapers Free- Press (in English) dated 25.01.2024, Prabhat Sandesh (in Hindi) dated 25.01.2024, and in Weekly Gazette of India dated 10.02.2024 for the general public to make observations/representations on the proposed transmission route within 2 Months from the date of publication. Subsequently, M/s Renew Urja Shachar Private Limited has submitted an affidavit dated 15.04.2024 declaring that no observation/representation was received within 2 Months from the date of publication in the official gazette of Government of India and newspaper publication.

And now the applicant has requested to confer upon him, all the powers under section 164 of the Electricity Act, 2003, which the telegraph authority possess under the Indian Telegraph Act, 1885 with respect to the placing of telegraph lines and posts for the purpose of a telegraph established or maintained by Government or to be so established or maintained for laying of electric line under the transmission scheme “Transmission System for providing connectivity to M/s Renew Urja Shachar Private Limited for its proposed 300 MW Wind Power Project in Ujjain, Madhya Pradesh”. The following overhead line is covered under this scheme:

1. Renew Urja Shachar Private Limited Wind Power Plant – Indore (PG) [Sec-A: With Indore and Khandwa lines] 400 kV S/C line (on D/C tower).

The transmission line covered under the above scheme will pass through, over, around and between the following villages, towns and cities of Madhya Pradesh:

Name of Villages	Taluka	District
Kankraj, Baloda, Dangikheri	Badnawar	Dhaar
Amla, Arandiya, Ubrariya, Ajanda, Tukikheri, Lohariya, Sarola, Bhirawad Naya, Bhirawad Juni, Dhaturiya, Mundla, Bhomalwas, Likhoda, Jalodiya, Surakhandwa, Bagrer, Pithora, Umriya, Asawata, Dewara, Phatepur Kuwala, Gunawad, Akoliya, Takrawada, Bisalkheri	Badnagar	Ujjain
Ralayata, Nauganwan Khanjar, Bachhora, Atyana, Naulana, Kunghara, Santer, Gautampura, Runji, Palsoda, Chitora, Mendakwas, Pharkoda, Pitawali, Karoda,	Depalpur	Indore

Kai, Kakwa, Jalalpura, Khemievda, Bhim Baroli, Jamgoda, Gurar, Bardakheri, Sunala, Katkoda, Atahera, Baniyakheri, Karjoda, Devrakheri, Rudrakhya, Kanwasa, Kharotiya, Ujaliya		
Pipali, Khadan, Khakla, Rangkaraglya(Rangrej), Khateriya, Hariyakheri, Bibikheri, Piplya, Piplya Kayasth, Pal Kakriya, Kachhaliya, Ajnod, Magarkheri, Balgara, Sinnod, Mandot, Dayakhera, Nagpur, Takun, Balauda, Dhaturia, Brahmankheri, Katkia, Kamalyakheri, Khamod Kamalya, Bisakheri, Gawala, Mukata, Lakhmankheri, Kajlana, Tarana, Dewali, Darji Karadla, Siloda Buzurg, Baloda, Rajoda, Solsinda, Dharamपुरi, Jetpura, Surakheri, Guran, Malikheri, Hatunia, Patwakheri, Shahna, Kadawa, Mundla Husain, Brahman Piplya	Sanwer	Indore

Now, after careful consideration, Ministry of Power, Government of India, under section 164 of the Electricity Act, 2003, confers all the powers to M/s Renew Urja Shachar Private Limited for laying above overhead line, which telegraph authority possesses under the Indian Telegraph Act, 1885 with respect to placing of telegraph lines and posts for the purposes of a telegraph established or maintained, by Government or to be established or maintained subject to following terms and conditions for installing the above mentioned line, namely:

- The approval is granted for 25 years.
- The Applicant shall have to seek the consent of the concerned authorities i.e., local bodies, Railways, National Highways, State Highways etc. before erection of proposed line.
- The Applicant shall have to follow regulations/codes of the Appropriate Commission regarding transmission, O&M, open access, etc., framed under Electricity Act, 2003.
- The Applicant shall operate the line after approval of Electrical Inspector / Chief Electrical Inspector of Central Government.
- The approval is subject to compliance of the requirement of the provisions of the Electricity Act, 2003 and the rules made there under by the applicant.
- M/s Renew Urja Shachar Private Limited shall have to submit the requisite clearances to Central Electricity Authority after obtaining the same from concerned authorities like Civil Aviation, Defense etc., at the time of Electrical Inspection.
- In case, the route of above overhead lines (or some portion of the route of above overhead line) falls in the Great Indian Bustard (GIB) potential zone (or priority zone), the applicant has to comply with the orders of the Hon'ble Supreme Court in the petition No.838 of 2019 regarding Great Indian Bustard (GIB) case, and the directions of the technical/expert committee constituted by the Hon'ble Supreme Court in this regard.

[F. No. 25-16/22/2024-PG]

M.V.N. VARA PRASAD, Under Secy. (PG)



Transrail Testing Centre



TOWER TEST REPORT

W.O. No.	Type of Tower	Specification No.	Test Report No.
GTE30	"DD" (30°-60° Dev./D.E.) NT +9m B.E.	-	227/ 2017-18

Report on the Design Test carried out on a black Proto Type "DD" (30°-60°Dev./D.E.) NT +9m B.E. for 400 kV D/C Twin ACSR Moose Babai (RRVPL) – Bhiwani (PG) TL (Wind Zone – 4, Reliability Level-1, & Terrain Category – 2)

CUSTOMER / OWNER : NRSS XXXVI TRANSMISSION LTD.

EPC CONTRACTOR : PAN INDIA INFRAPROJECTS PVT. LTD.

OWNER'S ENGINEER : SMEC INDIA (PVT.) LTD. GURGAON.

DESIGNER CONSULTANT : SRUSHTI ASSOCIATES, MUMBAI.

MANUFACTURER : UNITECH POWER TRANSMISSION LTD. NAGPUR.

TOWER TESTED BY : TRANSRAIL TESTING CENTRE.

PLACE OF TESTING : TRANSRAIL TESTING CENTRE, (DEOLI) WARDHA, MAHARASHTRA, INDIA

DURATION OF TESTING : 25th JANUARY to 1st FEBRUARY 2018

PROJECT : 400 kV D/C TWIN ACSR MOOSE BABAI (RRVPL) – BHIWANI (PG) TL (WZ-4, RELIABILITY LEVEL -1 & TERRAIN CATEGORY-2)

TESTING WITNESSED BY

Mr. Mohd. Fahaduddin	SMEC India Pvt.Ltd.
Mr. Yuvraj Jain	Pan India Infraprojects Pvt. Ltd.
Mr. Subodh Sontakke	Srushti Associates, Mumbai.
Mr. J. K. Soni	Transrail Testing Centre, Wardha
Mr. Prasad Kothale	Transrail Testing Centre, Wardha

The tower testing was performed as per approved test data sheet and procedure GTE30/TDS-2 (Rev-0) Dtd. 22.01.18 at "Transrail Testing Center" Wardha, on a prototype tower type "DD" (30°-60°Dev./D.E.) NT +9m B.E Tower tested in line with IS – 802 (Part –III) & PIPL specification. The vertical assembly of test prototype was inspected and the tower was erected on the test bed according to the structural drawings as specified in test data & rigging arrangement.

01/02/18

01/02/18

Transrail Lighting Limited

B-1 /1, MIDC, Deoli, Wardha - 442101 (Maharashtra) Phone: +91-7158-254401-2

• Website: www.transrailttd.com





Transrail Testing Centre



TOWER TEST REPORT

W.O. No.	Type of Tower	Specification No.	Test Report No.
GTE30	"DD" (30°-60° Dev./D.E.) NT +9m B.E.	-	227/ 2017-18

The calibration of load cells was done on 25th January 2018. Representative of PIPL witnessed the calibration of load cells.

Testing commenced on 29th January 2018. Tower test successfully carried out for the following load cases as per approved test data & rigging arrangement.

Test No.	Load Case No.	Load Case Description	Remark
Date : 29.01.18			
1	LC-77	Bolt Slip under 50% of Safety Condition_60° Dev._TCL+MCL+BCL Broken / Moving_Vmax	Passed
6	LC-77	Safety Condition_60° Dev._TCL+MCL+BCL Broken / Moving_Vmax	Passed
2	LC-65	Security Condition_GWR+MCR+BCR Broken_60° Dev._32°C & 75% FW_Vmax.	Passed
3	LC-19	Security Condition_GWR+TCR+BCR Broken_30° Dev._32°C & 75% FW_Vmax.	Passed
Date : 30.01.18			
4	LC-153	Security Condition_GWR+TCR+MCR Broken_0° Dev._Complete Dead End_ 32°C & 75% FW_Vmax.	Passed
5	LC-159	Security Condition_TCR+MCR+BCR Broken_0° Dev._Complete Dead End_ 32°C & 75% FW_Vmax.	Passed
8	LC-137	Reliability Condition_NC_Trans_0° Dev._ Complete Dead End_32°C & Full Wind_Vmax	Up to 95%
While increasing load from 95% to 100% (load case LC-137) bending observed in bottom box X arm items no. 419H, 420H, 423, 424 and 176 (Plate)			
Design modifications were carried out on tower as suggested by M/s. Pan India Infraprojects Pvt. Ltd.			
<u>Drawing No NRSSXXXVI/400kV/WZ-IV/DD/STR-01 (Sheet 9/9) "Bottom X- arm"</u>			
Mark No. 419H & 420H – Section Revised HT L75X75X6 TO HT L80X80X6			
Mark No. 423 & 424 – Section Revised L100X100X6 TO L100X100X7			
Mark No. 173AH,173BH,173CH & 173DH (Cleat) –HT L110X110X10 – New added			

01/02/18

A JPB

Transrail Lighting Limited

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01.02.18





Transrail Testing Centre

TRANSRAIL
FORMAT NO. F/R&D/006

TOWER TEST REPORT

W.O. No.	Type of Tower	Specification No.	Test Report No.
GTE30	"DD" (30°-60° Dev./D.E.) NT +9m B.E.	-	227/ 2017-18

Drawing No NRSSXXXVI/400kV/WZ-IV/DD/STR-01 (Sheet 8/9) "Middle X- arm"

Mark No. 260AH, 260BH, 260CH & 260DH (Cleat) – HT L90X90X8 – New added

Drawing No NRSSXXXVI/400kV/WZ-IV/DD/STR-01 (Sheet 7/9) "Top X- arm"

Mark No. 353AH, 353BH (Cleat)) – HT L90X90X6 – New added

Mark No. 353CH, 353DH (Cleat)) – HT L100X100X7 – New added

After above modifications following tests were carried out successfully.

Date : 01.02.18

8	LC-137	Reliability Condition_NC_Trans_0° Dev._ Complete Dead End_32°C & Full Wind_Vmax	Passed
7	LC-45	Reliability Condition_NC_Trans_60° Dev._32°C & Full Wind_Vmax	Passed
9	LC-47	Reliability Condition_NC_60° Dev._ 32°C & 30° Oblique Wind_Max V.L.	Passed

Test Result: - Loading on tower in all the above load cases were applied in steps of 50%, 75%, 90%, 95% with waiting period of two minute in all intermediate steps and five minutes for 100% loads. Tower withstood all loads successfully as per all above loading cases up to 100%.

The tower test was declared successful after carrying out last loading Case no. C-47 "Reliability Condition_NC_60° Dev._ 32°C & 30° Oblique Wind_Max V.L." up to 100% with waiting period of five minutes & no visual deformation was observed.

Destruction Test:- Loads of last loading (Case no. C-47) "Reliability Condition_NC_60° Dev._ 32°C & 30° Oblique Wind_Max V.L." were increased in step of 5% over 100% loading for the destruction test. Tower withstood successfully all loads upto 105% load with waiting period of two minutes. While increasing loads from 105% to 110% loads, the main compression leg of +0m body extension item no 21H buckled under compression and subsequently tower was collapsed.

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TOWER TEST REPORT

W.O. No.	Type of Tower	Specification No.	Test Report No.
GTE30	"DD" (30°-60° Dev./D.E.) NT +9m B.E.	-	227/ 2017-18

Mechanical Test: - The following items were selected for mechanical test from tested tower.

Sr. No.	Mark No.	Section	Sr. No.	Mark No.	Section
1	U30DD 21H	HT L180X180X15	4	U30DD 173H	HT L110X110X10
2	U30DD 274H	HT L100X100X7	5	U30DD 423	L100X100X6
3	U30DD 626H	HT L100X100X7	6	U30DD 176H	HT Plate 12mm thick

Test results of these items will be enclosed herewith.

(Signature)
01.02.18
(Mr. Mohd. Fahaduddin)
Design Engineer
SMEC India Pvt. Ltd.

(Signature)
01/02/18
(Mr. Yuvraj Jain)
Manager
Pan India Infraprojects Pvt. Ltd.

(Signature)
(Subodh Sontakke)
Chief Design Engineer
Srushti Associates, Mumbai.

(Signature)
(J K Soni)
Technical Manager
Transrail Testing Centre.
Date : 1.02.2018

(Signature)
(Prasad Kothale)
Testing Engineer
Transrail Testing Centre

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145.6

No. NHIII/P/20/77

Dated the 8th April, 1982

To

All State Governments & Union Territories,
(Deptts. dealing with National Highways)

Subject : Accommodation of Overhead Electric Power lines on National Highway land

For laying electric power lines and/or erecting the electric poles, the standards have been brought out in the Indian Roads Congress Standard IRC: 32-1969, "Standard for vertical and horizontal clearance of overhead electric power and tele-communication lines as related to Roads". This covers the guidelines for the power lines transmitting 110 Volts. to 650 Volts. In respect of high tension power lines, the following are the instructions for guidance and adoption in the field.

2. *Lateral and vertical clearances of H.T. lines*

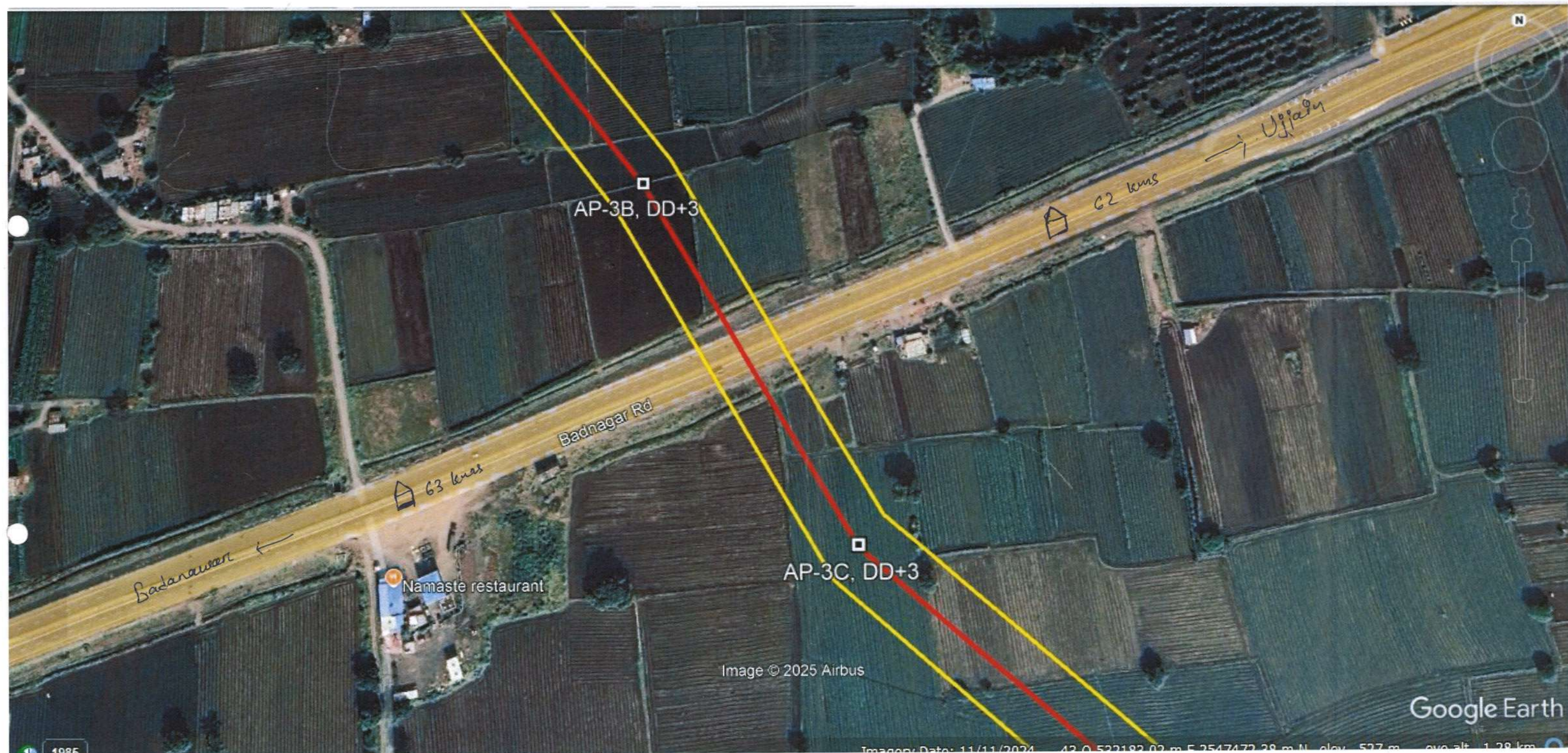
2.1. The overhead lines and their supporting poles/towers should ordinarily be placed at the extreme

edge of the road land boundary. In any case, these shall be atleast 10 to 12 metres away from the edge of the existing shoulders of the extreme traffic lane. Where the existing roadway is narrower than the minimum required according to standards or where the widening is proposed for any reason, the lateral clearance shall be reckoned with respect to ultimate road way. The pylons of H.T. lines along crossing the road shall be located outside the N.H. land.

- 2.2. In mountainous country the overhead lines should be erected preferably on the valley side and as far away as practicable.
- 2.3. The vertical clearance of the overhead lines crossing the road shall be reckoned from the top of the crown of the road taking into account the anticipated final top level due to future raising of road level, strengthening of pavement, etc. The actual ground clearance of high tension lines for voltage above 650 Volts varies depending upon the Voltage transmitted and these are stipulated in Indian Standard Codes is 5613-1976 Part I to IV and Indian Electricity Rules 1956 as under :

<i>Voltage</i>	<i>Vertical Clearance</i>
66 KV	6100 mm
132 KV	6100 mm
220 KV	7015 mm
✓ 400 KV	8840 mm

3. It is necessary that the Electricity Departments have proper pre-planning and prior consultation with the Highway authorities in locating the lines. This, apart from preventing disruption to the highway construction and maintenance works on hand, may avoid costly re-location/shifting of the lines in future when highway developmental works are taken up. It shall be the responsibility of the Electricity Departments to ensure the safety of the highway traffic against the hazards of the high voltage lines.
4. In this connection, the State Govt. authorities dealing with N.Hs. are requested to establish close liaison with the concerned electricity authorities, specially when the National Highway and Electricity authorities expansion and developmental programmes are under finalisation for settling the appropriate location of the lines keeping in view the likely developmental/improvements of the National Highways. This would obviate the need for shifting/relaying of utilities when the National Highway works are taken up in future. For actual laying of lines, the concerned highway engineers incharge shall ensure proper location as mentioned in para 2 of this letter.
5. The contents of this letter may be brought to the notice of all the field officers so that these instructions are strictly followed.



NH Crossing Point Coordinates

23° 02' 05.78" N

75° 18' 48.47" E

Village - Aonla, Tehsil - Badanawar



[Handwritten signature]

KEY PLAN

