

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सडक परिवहन एवं राजमार्ग मंत्रालय, भारत सरकार)

National Highways Authority of India

(Ministry of Road, Transport and Highways, Government of India) परियोजना कार्यान्वयन, इकाई. सोलापूर (महाराष्ट्र)

Project Implementation Unit. Solapur (Maharashtra) कार्यालय: पुणे–सोलापूर राजमार्ग के निकट, मौजे बाले, जिला सोलापूर–४१३२५५, महाराष्ट्र Office: Adjacent to Pune-Solapur Highway, Mauje Bale, Dist. Solapur-413255 Maharashtra

Ph.No. 0217-2303379 * ई-मेल/Email : solapur@nhai.org * वेब /Web : https://nhai.gov.in

No.: NHAI/PIU/SLP/AKSO/NH-150E/Gen.(Tech.)/2025/ 26 0

Date: 1/10/2024.

INVITATION OF PUBLIC COMMENTS

Sub: Four laning of Akkalkot - Solapur NH-150E with paved shoulders from Design Ch. 99/400 to Ch. 138/352 (design length 38.952 Km.) including Akkalkot Bypass (design length 7.350 Km.) in the state of Maharashtra on HAM basis - Demand for obtaining permission for laying of 33 kv overhead electrical transmission line crossing at Km 104+525 on Akkalkot Solapur NH-150E, (Akkalkot Bypass), Tal. Akkalkot, Dist. Solapur - Reg.

Ref .:-

i. Authorized Signatory, M/s. Enrich Energy Pvt. Ltd. letter no. EEPL/NHAI/Akkalkot/01 dated 07.10.2025.

Sir,

Authorized Signatory, M/s. Enrich Energy Pvt. Ltd. has submitted proposal for obtaining permission for laying of 33 kv overhead electrical transmission line crossing at Km 104+525 on Akkalkot Solapur NH-150E, (Akkalkot Bypass), Tal. Akkalkot, Dist. Solapur vide ref. at (i) above.

- 2. As per the guidelines, issued by the Ministry vide OM No. RW/NH-33044/29/2015/ S&R(R) dated 22.11.2016, the application shall be put out in the public domain for 30 days for seeking claims and objections (on grounds of public inconvenience, safety and general public interest).
- 3. In view of the above, comments of the public on the above application is invited to the below mentioned address, which should reach to this office within 30 days from the date of publication beyond which no comments shall be entertained.

The DGM (Tech.) & Project Director, National Highways Authority of India Project Implementation Unit, Solapur Plot No. E-2, Jalaram Nagar, Solapur, Maharashtra, Pin - 413004.

धन्यवाद!

(स्वप्निल कासार),

उपमहाप्रबंधक (त) तथा परियोजना निदेशक,

भा.रा.रा.प्रा., इकाई. सोलापूर

संलग्नः उपरोक्तः

Copy to:-

i. CGM (Tech) RO Mumbai - for information please.

ii. Authorized Signatory, M/s. Enrich Energy Pvt. Ltd.

iii. Authorized Signatory, M/s. DCSL, Solapur for information.

iv. Authorized Signatory, M/s. GASHPL for information & consent.

v. Master file.

Ref: EEPL/NHAI/AKKALKOT/01

Date: 07/10/2025

To, The Project Director,

National Highways Authority of India (NHAI) Project Implementation Unit Solapur Adjacent to Pune Solapur NH-65 Highway, Behind Hyundai Showroom, Near MIT College, Bale, Tal. North Solapur, Dist Solapur – 413255 Maharashtra

Subject: Permission for laying of 33KV overhead Electrical Transmission line crossing km.104+525,From RHS to LHS on Akkalkot-Solapur NH-150E at (Akkalkot bypass) Tal Akkalkot,District Solapur, Maharashtra

Ref: 1. GRID CONNECTIVITY letter - MSETCL/CO/STU/SOLAR/5823 dt.26 JUN 2025

Dear Sir/Madam,

With reference to above subject and reference letters, for permission of 33KV overhead line crossing at at Akkalkot Dist – Solapur of NH-150 (Akkalkot bypass) for approval.

Detailed in sketch enclosed here with this letter.

Line and NH details are as under:

- 1. Name of Line: 33KV overhead electrical transmission line
- 2. Method of Construction: 33KV Overhead line
- 3. Road details: Akkalkot Solapur(Bypass)
- 4. Distance of KM (Chainage details): 104 105 km

You are kindly requested to scrutinize our proposal and accord an approval with necessary information to concern national highway department officers for joint site inspection for the said approval.

Thanking you.

For Enrich Energy Pvt. Ltd.

(Authorized Signatory)

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०२ ०४ द्वांग्रथ ।
०२ ८०१५



The Following Document are emclosed herewith along with proposal

- 1. Permission request letter
- 2. The check list of NHAI
- 3. Drawing showing Crossing details of 33kv electrical transmission line
- 4. Undertaking on stamp paper of Rs. 100/.
- 5. Agreement Regarding granting of ROW permission of RS 100/.
- 6. Grid connectivity letter for 25 MW Solar Power Project.
- 7. Undertaking certificat€



Annexure 2.1

<u>UNDERTAKING</u>

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To,
The Project Director,
National Highways Authority of India,
Project Implementation Unit-Solapur,
Adjacent to Pune-Solapur Highway,
Mauje bale, Dist. Solapur-413255,
Maharashtra.

पत्ता:-माळी गल्ली,अक्कलकोट

WeM/s. Enrich Energy Pvt. Ltd,302, The Orion Building, 11/1C,Koregaon Park Road, Pune - 411 001,Maharashtra,Indiado hereby undertake that in connection with laying a 33KV Electrical Transmission line crossing at Km. 104+525, from RHS to LHS on Akkalkot-Solapur NH-150E (Akkalkot bypass),Tal. Akkalkot, District Solapur, Maharashtra.

We Shall not damage to other utility, if it is damaged then the losses will be paid to NHAI or the concerned owning agency as per direction by NHAI.

Sachin Pawar, (Project Manager) M/s Enrich Energy Pvt. Ltd.



महाराष्ट्र MAHARASHTRA

किलकोट अ.नं. पुट्ट दिनांक है। किल प्रिया कार्यालय अवस्थित विश्व कार्यालय विश्व कार्यालय कार्यालय विश्व कार्यालय क

Annexure 2.2

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We M/s. Enrich Energy Pvt. Ltd,302, The Orion Building, 11/1C, Koregaon Park Road, Pune - 411 001, Maharashtra, Indiado hereby undertake that in connection with laying a 33KV Electrical Transmission line crossing at Km. 104+525, from RHS to LHS on Akkalkot-Solapur NH-150E (Akkalkot bypass), Tal. Akkalkot, District Solapur, Maharashtra.

We Shall furnish Bank Guarantee as per NHAI Norms before execution of

work and renew timely required.

Sachia Pawar, (Project Manager) M/s Enrich Energy Pvt. Ltd.



महाराष्ट्र MAHARASHTRA

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, श्री. एस. एस. दणुरे मुद्रांक विक्रेता अ.कोट परवाना क्र.164/2024 पत्ता:-माळी गल्ली,अक्कलकोट

Annexure 2.3

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UNDERTAKING

We M/s. Enrich Energy Pvt. Ltd,302, The Orion Building, 11/1C, Koregaon Park Road, Pune - 411 001, Maharashtra, Indiado hereby undertake that in connection with laying a 33KV Electrical Transmission line crossing at Km. 104+525, from RHS to LHS on Akkalkot-Solapur NH-150E (Akkalkot bypass), Tal. Akkalkot, District Solapur, Maharashtra.

We Shall follow and abide by confirming all standard conditions of MoRT&H and NHAI guidelines regarding laying of the said Overhead line project.

Sachin Pawar, (Project Manager) Ws Enrich Energy Pvt. Ltd.



महाराष्ट्र MAHARASHTRA

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Annexure 2.4

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UNDERTAKING

We M/s. Enrich Energy Pvt. Ltd, 302, The Orion Building, 11/1C, Koregaon Park Road, Pune - 411 001, Maharashtra, Indiado hereby undertake that in connection with laying a 33KV Electrical Transmission line crossing at Km. 104+525, from RHS to LHS on Akkalkot-Solapur NH-150E (Akkalkot bypass), Tal. Akkalkot, District Solapur, Maharashtra.

We M/sEnrich Energy Pvt. Ltd.Has to shift the above Overhead Powerline as and when required by NHAI and shall be carried out at own cost and responsibility

Sachin Pawar, (Project Manager) Ws Enrich Energy Pvt. Ltd.



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मुद्रांक विक्रेता अ.कोट परवाना क्र.164/2024 पत्ता:-माळी गल्ली,अक्कलकोट

Annexure 2.5

UNDERTAKING

We M/s. Enrich Energy Pvt. Ltd,302, The Orion Building, 11/1C, Koregaon Park Road, Pune - 411 001, Maharashtra, Indiado hereby undertake that in connection with laying a 33KV Electrical Transmission line crossing at Km. 104+525, from RHS to LHS on Akkalkot-Solapur NH-150E (Akkalkot bypass), Tal. Akkalkot, District Solapur, Maharashtra.

M/s. Enrich Energy Pvt. LtdHas to shift the above Overhead Power lineat our cost and responsibility (If required), in future due to 6/8 Laning/widening is in process of NH.

Sachin Pawar, (Project Manager) M/s Enrich Energy Pvt. Ltd.



महाराष्ट्र MAHARASHTRA

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विकास अभिन्ती: अभिन्ती: अनिर्म प्रानिक प्रानिक पुर्व विवास कार्यालय, अन्यापिक क

Annexure 2.6

मुद्रांक विक्रेता अ.कोट परवाना क्र. 164/2024

UNDERTAKING

We M/s. Enrich Energy Pvt. Ltd,302, The Orion Building, 11/1C, Koregaon Park Road, Pune - 411 001, Maharashtra, Indiado hereby undertake that in connection with laying a 33KV Electrical Transmission line crossing at Km. 104+525, from RHS to LHS on Akkalkot-Solapur NH-150E (Akkalkot bypass), Tal. Akkalkot, District Solapur, Maharashtra.

We M/s. Enrich Energy Pvt. Ltd. hereby do undertake for Indemnity against all damage and claims clues (xxiv) during installation & Operation & Maintenance.

Sachin Pawar, (Project Manager) M/s Enrich Energy Pvt. Ltd.



महाराष्ट्रं MAHARASHTRA

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कलकोट अ.नं. ५००५ हिना ३ / १० / २००५ श्री / श्रीमृती : इनरिय प्रान्त जी मा कि पुण यांनी जनुरल एटम्प रुपये चा रूपने - श्नीने त मागीतले वरुन हा इपये चा रविद्र प्रा

जनरल क्टॅम्य भरतीस रुपयेचा स्टॅम्प दिला.

श्री.एस.एक्ट्र देगुरे

मुद्धांक विक्रेता अ.कोट पर 5.164/2024

र्विद्र पर

Annexure 2.7

UNDERTAKING

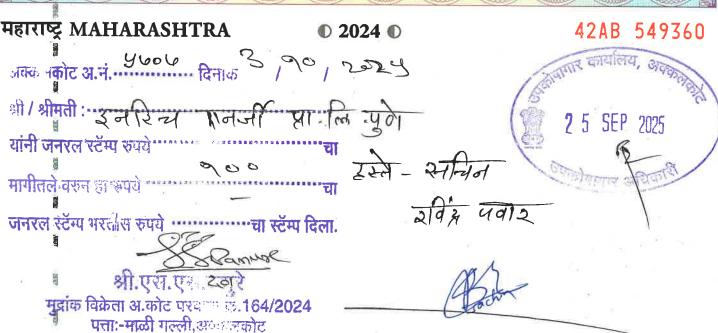
We M/s. Enrich Energy Pvt. Ltd,302, The Orion Building, 11/1C, Koregaon Park Road, Pune - 411 001, Maharashtra, Indiado hereby undertake that in connection with laying a 33KV Electrical Transmission line crossing at Km. 104+525, from RHS to LHS on Akkalkot-Solapur NH-150E (Akkalkot bypass), Tal. Akkalkot, District Solapur, Maharashtra.

We M/s. Enrich Energy Pvt. Ltd. hereby do undertake about the Traffic movement during laying of power line to be managed by us.

(Project Manager)

M/s Enrich Energy Pvt. Ltd.





Annexure 2.8

UNDERTAKING

We M/s. Enrich Energy Pvt. Ltd,302, The Orion Building, 11/1C, Koregaon Park Road, Pune - 411 001, Maharashtra, Indiado hereby undertake that in connection with laying a 33KV Electrical Transmission line crossing at Km. 104+525, from RHS to LHS on Akkalkot-Solapur NH-150E (Akkalkot bypass), Tal. Akkalkot, District Solapur, Maharashtra.

We M/s. Enrich Energy Pvt. Ltd. hereby do undertake that, if any claims are raised by concessionaire, then the same has to be paid by us.

(Project Manager)
M/s Enrich Energy Pvt. Ltd.



महाराष्ट्र MAHARASHTRA

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Annexure 2.9

UNDERTAKING

We M/s. Enrich Energy Pvt. Ltd,302, The Orion Building, 11/1C, Koregaon Park Road, Pune - 411 001, Maharashtra, Indiado hereby undertake that in connection with laying a 33KV Electrical Transmission line crossing at Km. 104+525, from RHS to LHS on Akkalkot-Solapur NH-150E (Akkalkot bypass), Tal. Akkalkot, District Solapur, Maharashtra.

We M/s. Enrich Energy Pvt. Ltd. hereby do undertake about prior approval of NHAI shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the showing of EHV power line located in the National Highway Right of

(Project Manager)

M/s Enrich Energy Pvt. Ltd.



तार कार्यालय, अवन

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महाराष्ट्र MAHARASHTRA

कलकोट अ.नं. १९९२ दिनांक १००० प्रा क्ल. पुका
पानी जनरल स्टॅम्प रुपये

मागीतले वरुन हा अपये

जनरल स्टॅम्प भरतीस रुपये

मुद्रांक विक्रेला अ.कोट परवाना क्र. 164/2024

पत्ता:-माळी गल्ली, अक्कलकोट

Annexure 2.10

UNDERTAKING

We M/s. Enrich Energy Pvt. Ltd,302, The Orion Building, 11/1C, Koregaon Park Road, Pune - 411 001, Maharashtra, Indiado hereby undertake that in connection with laying a 33KV Electrical Transmission line crossing at Km. 104+525, from RHS to LHS on Akkalkot-Solapur NH-150E (Akkalkot bypass), Tal. Akkalkot, District Solapur, Maharashtra.

We M/s. Enrich Energy Pvt. Ltd. hereby do undertake about the Expenditure, if any incurred by NHAI for repairing any damage caused to the National Highway by the laying, maintenance or shifting of the EHV Power line located in the National Highway Right and was will be borne by the agency owing the line.

(Project Manager)

M/s Enrich Energy Pvt. Ltd.



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विनाक १८०२०

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चा स्टॅम्प दिला.

श्री.एस.एस.दे पुरे मुद्रांक विकेता अ.कोट परवाना क.164/2024 पत्ता:-माळी गल्ली,अक्कलकोट

Annexure 2.11

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UNDERTAKING

We M/s. Enrich Energy Pvt. Ltd,302, The Orion Building, 11/1C, Koregaon Park Road, Pune - 411 001, Maharashtra, Indiado hereby undertake that in connection with laying a 33KV Electrical Transmission line crossing at Km. 104+525, from RHS to LHS on Akkalkot-Solapur NH-150E (Akkalkot bypass), Tal. Akkalkot, District Solapur, Maharashtra.

We M/s. Enrich Energy Pvt. Ltd.hereby do undertake that, If NHAI considers it necessary in future to move the EHV Power line for any work of improvement or repairs to the road, it will be carried out as desired by NHAI at the cost of agency owing the utility line within a reasonable time (not exceeding 60 days) of the intimation given.

SachinPawar, (Project Manager) M/s Enrich Energy Pvt. Ltd.



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Annexure 2.12

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UNDERTAKING

We M/s. Enrich Energy Pvt. Ltd,302, The Orion Building, 11/1C, Koregaon Park Road, Pune - 411 001, Maharashtra, Indiado hereby undertake that in connection with laying a 33KV Electrical Transmission line crossing at Km. 104+525, from RHS to LHS on Akkalkot-Solapur NH-150E (Akkalkot bypass), Tal. Akkalkot, District Solapur, Maharashtra.

We M/s. Enrich Energy Pvt. Ltd. hereby do undertake that; the laying of EHV power line will not have any deleterious effects on any of bridge components and roadways safety for traffic.

(Project Manager)
M/s Enrich Energy Pvt. Ltd.



महाराष्ट्र MAHARASHTRA 549371 कार्यालय, अवन SEP 2025 यांनी जनरल एटॅम्प रुपये मागीतले वरुन हा अपये जनरल स्टॅम्प भरतीस रुपये ····•चा स्टॅम्प दिला. मुद्रांक विक्रेता अ.कोट परवाना क्र.164/2024 पत्ता:-माळी गल्ली,अक्कलकोट

Annexure 2.13

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UNDERTAKING

To,

- The Project Director, National Highways Authority of India, Project Implementation Unit-Solapur,
- Adjacent to Pune-Solapur Highway, Mauje bale, Dist. Solapur-413255, Maharashtra.

We M/s. Enrich Energy Pvt. Ltd,302, The Orion Building, 11/1C,Koregaon Park Road, Pune - 411 001,Maharashtra,Indiado hereby undertake that in connection with laying a 33KV Electrical Transmission line crossing at Km. 104+525, from RHS to LHS on Akkalkot-Solapur NH-150E (Akkalkot bypass), Tal. Akkalkot, District Solapur, Maharashtra.

We M/s. Enrich Energy Pvt. Ltd. hereby do undertake that; the Transmission line installation shall be carried out by trained & experienced personal & supervision by technically qualified persons Competent to undertake such works.

(Project Manager)
M/s Enrich Energy Pvt. Ltd.



महाराष्ट्र MAHARASHTRA

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तकलकोद अ.नं ... प्रथा विनाक 3 / १०/२०२५ भी / श्रीमती : इनश्चिम प्रान जी प्रा . लि पुर्ण यांनी जनरल स्टॅम्प रुपये चा रूपने - सम्बित मागीतले वरून हा रूपये चा स्टॅम्प दिला.

श्री:एस.एस.चर्डि मुद्रांक विकेता अ.कोट परवरण क.164/2024 पत्ता:-माळी गल्ली,अवकलकोट

Annexure 2.14

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UNDERTAKING

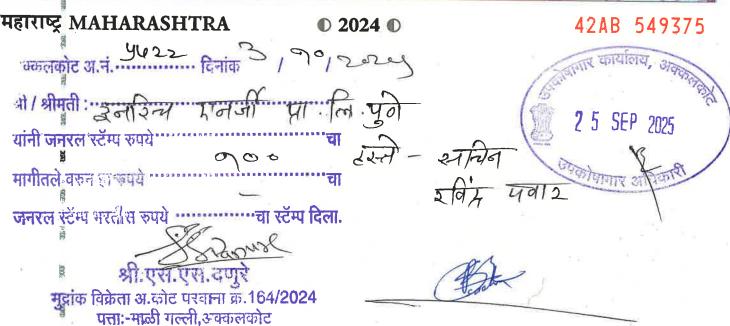
We M/s. Enrich Energy Pvt. Ltd,302, The Orion Building, 11/1C, Koregaon Park Road, Pune - 411 001, Maharashtra, Indiado hereby undertake that in connection with laying a 33KV Electrical Transmission line crossing at Km. 104+525, from RHS to LHS on Akkalkot-Solapur NH-150E (Akkalkot bypass), Tal. Akkalkot, District Solapur, Maharashtra.

We M/s. Enrich Energy Pvt. Ltd. hereby do undertake that; we will ensure the safety of the highway traffic against the hazard of the high voltage lines during installation operations & Maintenance.

(Project Manager)

M/s Enrich Energy Pvt. Ltd.





Annexure 2.15

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UNDERTAKING

We M/s. Enrich Energy Pvt. Ltd,302, The Orion Building, 11/1C, Koregaon Park Road, Pune - 411 001, Maharashtra, Indiado hereby undertake that in connection with laying a 33KV Electrical Transmission line crossing at Km. 104+525, from RHS to LHS on Akkalkot-Solapur NH-150E (Akkalkot bypass), Tal. Akkalkot, District Solapur, Maharashtra.

We M/s. Enrich Energy Pvt. Ltd. hereby do undertake that; we will compliance with Indian electricity rules and other authorities' regulations all overhead lines shall comply with the requirement of the Indian electricity act and rules made they're under and regulation or specification laid down by NHAI.

Sachin Pawar, (Project Manager) M/s Enrich Energy Pvt. Ltd.



महाराष्ट्र MAHARASHTRA

कलकोट अ.नं. पुटि दिनंक । १००० प्रा. ति. पुठ वानी जनरल स्टॅम्प रुपये चा स्ट्रेंस प्रतीस रुपये पता:-माळी गल्ली, अक्कलकोट

AGREEMENT REGARDING GRANTING OF RIGHT OF WAY

PERMISSIONS

FOR LAYING UTILITY SERVICES ON NATIONAL HIGHWAYS

Agree	ment t	o lay Telecom Cable/OFC cable / Electric cab	le/pipe line/du	ets	
Etc.	At	Km	and	at	Kın.
		of			_ land

This agreement this (month) or
(year) between
Acting in his executive capacity
through(herein after 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 M/s.
a company registered under the
Companies Act, 1956 and having its registered office at
(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 responsible, inter-alia, for the development and maintenance
of lands in Km to
NH no. of ROW.
Whereas the Licensee proposes to lay Telecom cable/OFC cable/Electrical cable/pipe
line/ducts etc referred to as utility services in subsequent paras.
Whereas the Licensee has applied to the Authority for permission to lay utility services
at Km & at Km of road/route
respectively.
And whereas the Authority has agreed to grant permission for way of leave on the NH
ROW as per terms and conditions hereinafter mentioned.
Now this agreement witnessed 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 lay utility services as per namely.

- 1. ROW permissions are only 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.
- 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 being fulfilled. Decision of the Authority in relation to fulfilment of 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.

- The Licensee shall pay license fees @ Rs/sq m/month to the Authority. The License fee shall become payable from the date of handing over of Row land to the Licensee, for laying of utilities/cables/conduits/pipelines for infrastructure/ service provider. 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 @15% per annum compounded annually.
- 6. Present policy of the MoRT&H is to provide a 2.00 m 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 Administration. Additional cost on account of fixing and supporting arrangement as assessed by the Authority shall be payable by the Licensee.
- 9. In exceptional cases, where Row is restricted the utility services 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.
- 10. 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;



- 11. 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.
- 12. Existing drainage structures shall not be allowed to carry the lines across.
- 13. 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 lease 0.3m below the drain inverts. A typical sketch showing the clearances is given in Attachment-I
- 14. The utility services shall cross the National Highway preferable on a line normal to it or as nearly so as practicable.
- 15. 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.
- 16. 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.
 - a. 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.
 - b. 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.
 - c. The side fill shall consist of granular material laid in 15 cm. Layers each consolidated by mechanical tamping and controlled addition of moisture to 95% of the Proctor's Density. Overfill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or ponding will not be permitted.
 - d. 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.
- 17. 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;
- 18. All required restoration work 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.



- 19. Prior to commencement of any work on the ground, a performance Bank Guarantee @ Rs. per route metre / Rs per sq m 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.
- 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 11 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;
- 21. 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.
- 22. The Licensee shall be responsible to ascertain from the respective agency in coordination 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/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.
- 23. 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.
- 24. 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.
- 25. 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.

- 26. The Licensee shall inform/give a notice to the concerned agency designated by the Authority at least 15 day 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.
- 27. Each day, the extent of digging the trenches should be strictly regulated so that utility services is 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.
- 28. 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.
- 29. 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.
- 30. 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.
- 31. 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 coordination with the Authority.
- 32. 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.
- 33. 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.



- 34. The Licensee shall bear the Stamp Duty charged on this Agreement.
- 35. 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.
- 36. The Licensee shall allow free access to the Site at all times to the authorized representatives of Authority to inspect the Project Facilities and to investigate anymatter within their Authority, and upon reasonable notice, shall provide reasonable assistance necessary to carry out their respective duties and functions.
- 37. 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 not shall it be absolved from any liability already incurred.
- 38. 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 any financial loss incurred by the respective project Concessionaries 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 concessionaries. MoRT&H/NHAI/implementing authorities for thr project shall not be liable to the concessionaire in any way in his 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 HERETOHAVE CAUSED THIS AGREEMENT TO BE EXECUTED THROUGH THEIR RESPECTIVE AUTHORISED REPRESENTATIVES THE DAY AND THE YEAR FIRST ABOVE WRITTEN.

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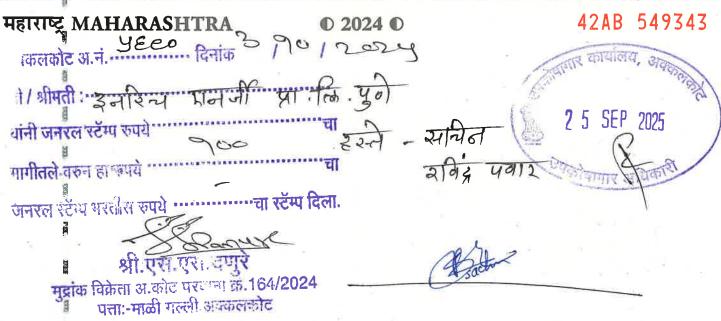
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Permission for laying a 33 kv Overhed Electrical Transmission Line Crossing at km. 104+525, From RHS to LHS on Akkalkot - Solapur HN- 150E (Akkalkot by pass) Tal. Akkalkot, District- Solapur, Maharashtra.

Sr. noDetails of NH -150E1i) Tower no2Ground Elevation (Tower no.01 Tower no.02)ii) M+12 Tyl3iii) 90°4Crossing Distance NH-150E to Tower no. 01 & Tower no 02ii) Centre of 100 mtr5Way Leave Clearanceii) Centre of 100 mtr6Ground Clearance + Sag error14 mtr7Crossing Span Required100 mtr8Crossing Span Available100 mtr9100 mtr	
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GPS CO-ordinate of Tower no.01 & Tower no.02	lower no.U1. E-627325, N-1939375
	Tower no. 02 E- 627331, n- 1939313
10 Tower Height Tower no.01 & Tower no.02	Tower no.01= 23.50 mtr & Tower no. 02 = 23.50 mtr







UNDERTAKING CERTIFICATE

Subject: Permission for laying of 33KV Overhead Electrical Transmission line crossing at K Im. 104+525, from RHS to LHS on Akkalkot-Solapur NH-150E (Akkalkot bypass), Tal. Akkalkot, District Solapur, Maharashtra.

1) We M/s. Enrich Energy Pvt. Ltd. hereby do undertake, that if any necessary alteration Including complete removal shifting of the overhead Cables and Tower poles crossing on the Solapur - Akkalkot NH-150Eat Km. 104+525, from RHS to LHS on Akkalkot-Solapur NH-150E (Akkalkot bypass), Tal. Akkalkot, District Solapur, Maharashtra. If so, required by Ministry for the development of National Highway of India interest of Safety in This Section at our own Cost.

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- 2) We M/s. Enrich Energy Pvt. Ltdhereby also undertake to pay the necessary rent for laying of overhead cable cross the National Highway whenever the national authorities ask rents in future.
- 3) We M/s. Enrich Energy Pvt. Ltdhereby undertake that is respect to part -1 and 2 are shall not violate any condition and that we would not enter into any litigation in any manner.
- 4) We also further undertake to ensure conformity as per the norms of National Highway.
- 5) We have understood the complete picture of four lane project of National Highway NH-150E. i.e., Akkalkot-Solapur.
- 6) We understood that no laying of overhead cables or construction of tower poles shall be done till the permission is granted by the MoRT&H New Delhi,
- 7) We declare that we will not display any advertisement / hoarding along the national highway no. 150E without prior approval of the National Highway Authority of India.
- 8) WeM/s. Enrich Energy Pvt. Ltd hereby undertake to bear the entire cost of construction & maintenance of laying of overhead cables & tower poles and its signs as necessary and other traffic control devices at our own cost.
- 9) We hereby undertake to lay overhead cables including tower poles, as per the norms specified by govt, of India ministry of road transport and highway, New Delhi from time to time.
- 10) If in future, by Ws. Enrich Energy Pvt. Ltd, 33 KV cable line by any reason, any accident or death caused, then only the Ws. Enrich Energy Pvt. Ltd, company will be held responsible for it.andthe claims will be settled by Ws. Enrich Energy Pvt. Ltdonly. The State P.W.D./ National Highway Authority of India department will not be involved in any case so fund/claims in any. The periodical maintenance of road crossing will be the responsibility of M/s Solapur Transmission Ltd.
- 11) All legal matters in future regarding this work should be cleared by Ws. Enrich Energy Pvt. Ltd. Company on its own expenses and responsibility National Highway Authority of India department will not be responsible in any way for any legal matter.
- 12) The rules and regulation altered or updated time to time by National Highway Authority of India department will be obligatory for this work, weM/s. Enrich Energy Pvt. Ltdwill follow all the rules and regulation here in future. It is understood that the department reserves the right to alter or update any regulation time to time without informing the M/s. Enrich Energy Pvt. Ltd. WeM/s. Enrich Energy Pvt. Ltdhereby undertake all responsibilities during the laying overhead cables any damage to the road or to any other structure of the road will be made good by us at our own cost.
- 13) WeWs. Enrich Energy Pvt. Ltdhereby undertake the responsibility that the overhead cable will be shifted in case it is requested at a later stage at our own cost.





MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO. LTD.

CIN No.: U40109MH2005SGC153646

Name of Office: Chief Engineer (State Transmission Utility)

Office Address : 4th floor, 'A' wing, Prakashganga, MSETCL,

Plot C -19, E - Block, BKC, Bandra (E), Mumbai - 400051

Contact No. : (O) 022 - 26595176, (P) 26595175

Email Id: cestu@mahatransco.in **Website**: www.mahatransco.in

Ref: MSETCL/CO/STU/Solar/

Nu = 5823 Date:

26 JUN 2025.

GRID CONNECTIVITY

To,

M/s Enrich Energy Pvt. Ltd.

302, The Orion Building, 11/C Koregaon Park Road,

Pune, 411001

E-Mail: shivanand.phutane@enrichenergy.com

Sub.: Approval for Grid Connectivity to 25MW Solar Power Park proposed by M/s Enrich Energy Pvt. Ltd. at Site: NA Dodyal, Tal.: Akkalkot, Dist.: Solapur.

Ref.: 1) GoM's methodology for establishment of RE Projects Dt. 11/05/2022

2) MEDA's Project ID No. PSLP2024461362

3) M/s. Enrich's Online Grid Connectivity Application No. 21800250000771

4) C. E., Pune's Technical Feasibility Report No. 2071, Dt. 03/12/2024

5) Revised Procedure for grant of Grid Connectivity to Renewable Energy Projects Dt. 06/01/2025

- 6) T. O. Lt. No. 154 Dt. 07/01/2025 seeking consent to convert the existing RE application as an application made under Revised Procedure for grant of Grid Connectivity to RE projects.
- 7) Your reply vide Lt. Dt. 20/01/2025 submitting consent & undertaking
- 8) Your Lt. Dt. 07/04/2025 submitting Land Documents
- 9) M/s. Enrich's Undertaking Dt. 09/05/2025 towards S/C Interconnection
- 10) T. O. Lt. No. 4714 Dt. 27/05/2025 towards Demand Note & submission of Consent for FGC Terms and Conditions.
- 11) M/s. Enrich's Lt. Dt. 03/06/2025 towards consent for FGC Terms and Conditions.
- 12) Payment Receipt with Transaction No. BEF7FS00NY15L2 Dt. 19/06/2025 towards payment of commitment fee

Dear Sirs,

In context to the above subject, you have applied for Grid Connectivity to 25MW Solar Power Park proposed at Site: NA Dodyal, Tal.: Akkalkot, Dist.: Solapur through MEDA's Single Window Portal for Grid Connectivity through Online Application cited u/r. 4. C. E., Pune vide Lt. cited u/r. 5 has submitted the Technical Feasibility Report for the said project.

Meanwhile, Revised Procedure for grant of Grid Connectivity to projects based on Renewable Energy sources to Intra-State Transmission System came into effect from 07/01/2025. Your present application was received before implementation of Revised GC procedure.

Thus, as per Clause No. 2.2 of Revised Procedure for grant of Grid Connectivity to RE projects, vide letter cited u/r. (6), you were requested to submit consent to convert the existing application as an application made under Revised Procedure for grant of Grid Connectivity to projects based on Renewable Energy sources to Intra-State Transmission System. In response vide letter cited u/r. (7) you have submitted the consent and selected Entry Route as Land Route for Grid Connectivity to your 25MW Solar Power Park proposed at Site: NA Dodyal, Tal.: Akkalkot, Dist.: Solapur. Further, vide letter cited u/r. (8), you have submitted Land Lease Documents which are found to be generally in order.

Following system strengthening scheme is considered in Load Flow Study Report, for said 25MW Solar Power Project proposed by M/s. Enrich at 33kV level of 132/33kV Akkalkot Substation.

Sr. No.	Details of Line / ICT/Substation	Proposed under
Sign	Second circuit stringing of 132kV Akkalkot – Karajgi S/c line	STU Plan: 2026-27

M/s. Enrich is not liable to pay the Grid Connectivity Bank Guarantee against above elements. However, Final Grid Connectivity to said 25MW Solar Project in PART or FULL will be granted subject to completion of schemes as mentioned above OR based on the Load Flow Study results as per prevailing system conditions at the time of FGC request.

Accordingly, above-mentioned FGC conditions were informed to you vide T. O. Lt. cited u/r. 10 and you have submitted your consent in this regard vide your Lt. cited u/r. 11₁₁

Further, the commitment fee of Rs. 25 Lakhs (Rs.1.0 Lakh per MW) has been received against said Online Grid Connectivity Application through Single Window Portal with Transaction No. BEF7FS00NY15L2 Dt. 19/06/2025.

In view of above, as approved by competent authority, in-principle Grid Connectivity for your 25MW Solar Power Park proposed at Site: NA Dodyal, Tal.: Akkalkot, Dist.: Solapur is hereby granted at 33kV level of 132/33kV Akkalkot Substation.

This Grid connectivity will be governed by the Part A & B and other terms & conditions as mentioned below in this letter.

PART: A

The Grid Connectivity for the said Solar Power Park shall be governed by:

- CEA (Technical Standard for Connectivity to the Grid) Regulations, 2007, (Amendment, 2019) and amendments thereof
- CEA Manual on Transmission Planning Criteria, 2023 and amendments 2) thereof
- CEA (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations, 2022 and amendments thereof
- CERC (Indian Electricity Grid Code) Regulations, 2023 4)
- CERC (Connectivity and General Network Access) Regulations, 2022 and 5) amendments thereof
- Indian Electricity Act 2003 6)
- MERC (State Grid Code) Regulations, 2020 and amendments thereof 7)
- MERC (Transmission Open Access) Regulations, 2016 and amendments thereof
- MERC (Forecasting, Scheduling & Deviation settlement) Regulations, 2018 9) and amendments thereof
- 10) MERC approved Metering Code, 2019 for Intra-State Transmission System of Maharashtra
- 11) Government of Maharashtra Renewable Energy Policy, 2020 & Methodology Dt. 11/05/2022 and amendments thereof

- 12) STU Revised Procedure for grant of Grid Connectivity to Renewable Energy Power Projects Dt. 06/01/2025
- 13) Amendments in Regulations, Policies, Methodologies/Orders/Regulations issued by the appropriate Commission/Government/GoM from time to time

Chief Engineer (STU) shall review the progress of your Solar Power Park after **SIX** months from the date of this letter as per Clause No. 9 of the Revised Procedure for grant of Grid Connectivity to RE projects. You will be responsible to submit the required documents as per Clause No. 9 of the Revised Procedure for grant of Grid Connectivity to RE projects to the Chief Engineer (STU) within **SIX** months.

In case the progress of project is not found satisfactory based on the progress report submitted by you & prerequisite milestones are not achieved OR if the progress report is not submitted, the said Grid Connectivity will be CANCELLED and Commitment fee for the same will be FORFEITED. No further correspondence will be made in this regards. In such case, if required, you will have to apply afresh for Grid Connectivity and you will not have any precedence over other interested applicants in same area.

PART: B

To fulfil the N-1 criteria for the transmission line to interconnect the said project, 33kV Double Circuit (D/C) line is to be erected. However, M/s. Enrich has requested Grid Connectivity through 220kV Single Circuit (S/C) line only. M/s. Enrich has also submitted an undertaking Dt. 09/05/2025 stating that, in case of tripping or outage on 33kV Line/bay, they shall not claim towards loss of generation from MSETCL. As per CEA's Transmission Planning Criterion Manual Clause No. 16.2 and MEGC - 2020 clause No. 13.4.2, 'N-1' may not be made applicable to the immediate radially connected evacuation arrangement for Wind/Solar Power Projects.

Thus, for inter-connecting the said 25MW Solar Power Park you will have to complete the following Scope of works at your own cost as per the technical standards and under the supervision of MSETCL (as per Section 10 of the Indian Electricity Act - 2003):

- a) Construction of 33kV S/C line with suitable conductor from 33kV Solar Power Park to MSETCL's 132/33kV Akkalkot S/s. with bays Approx. 6 Kms.
- **b)** Extension of 33kV Bus at MSETCL's 132/33kV Akkalkot Substation alongwith construction of all allied Civil & Electrical works as per site requirement.

- c) Modification in existing control room to accommodate new 33kV C & R panel, alongwith construction of all allied Civil & Electrical works and modification in existing wall compound as per site requirement.
- d) Suitable ABT metering arrangement at MSETCL's 132/33kV Akkalkot Substation approved by the Chief Engineer (MSLDC), Airoli, Navi Mumbai and S. E. PAC, Pune. ABT metering arrangement should be alongwith the AMR facility with integration to control center at MSLDC Airoli as per MSLDC's requirements and in line with MERC's Metering Code 2019.
- e) Visibility of generation to MSLDC for real time monitoring using SCADA/RTU-DC etc., as per the requirements of the Chief Engineer (MSLDC), Airoli, Navi Mumbai.

Please note that, the ownership of the assets upto interconnection point including metering arrangement needs to be handed over to MSETCL without any cost implication to MSETCL. The evacuation network beyond interconnection point shall be owned, operated and maintained by developer.

It should be noted that, you have to take approval of the scheme for above scope of work from the Chief Engineer (Project-Scheme)/ Zonal Chief Engineer, MSETCL (as applicable) prior to execution of work who shall also issue Demand Note for applicable charges.

Also, please note that:

- i) As Load Flow Study Report, system strengthening schemes as mentioned above on Page No. 2 of this Letter are required to be completed for evacuation of power from said 25MW Solar Power Project. Thus, Final Grid Connectivity to said project in PART or FULL will be granted subject to completion of said schemes or based on the Load Flow Study as per prevailing system conditions at the time of FGC request. This Condition has been confirmed by you vide your Lt. cited u/r. 11.
- *ii)* The supervision charges on evacuation arrangement will be applicable as per the RE Policy 2020 and methodology there under.
- Being Solar Power Park Developer, it will be the responsibility of M/s Enrich Energy Pvt. Ltd. to provide metering arrangements for individual Solar Project Developers being erected in the Solar Project and furnish apportioned meter readings at the Inter-Connection Point i.e. at 132/33kV Akkalkot Substation, to the concerned authorities such as MNRE, MSLDC, MSEDCL, MSETCL etc. as per the requirement.
- *iv)* As per CEA Technical standards for connectivity to the Grid (Amendment) Regulation 2019, measurement of Harmonics, Direct Current (DC) injection &

Flicker is to be carried by RE generators at Point of Common Coupling (PCC) at least once in a year. Thus, after synchronization of project, you will have to submit the said parameter measurement results to Chief Engineer (MSLDC), Airoli, Navi Mumbai at least once in a year.

- As per CEA Regulations "Technical Standards for Connectivity to the Grid (Amendment) Regulations, 2019", your said Solar Project should be equipped with Power Plant Controller.
- vi) As per CEA Regulations "Technical Standards for Connectivity to the Grid (Amendment) Regulations, 2019" Dt. 06.02.2019, Section 11, the user or the requester shall get its generating unit or station having capacity of 0.5MW or above registered on e-portal https://egen.cea.gov.in and get online generated unique registration number for grant of grid connectivity. Hence, you shall get your generating unit registered as above and submit the document quoting the unique registration number while seeking Final Grid Connectivity.
- vii) As per MERC (Forecasting, scheduling & Deviation settlement for Solar & Wind Generation) Regulation 2018, appointment of QCA, payment of Corpus amount to MSLDC through QCA etc. are required to be carried out before synchronization of the generation. You are requested to take note of this and coordinate the required activities with MSLDC before synchronization of generation.

Before synchronization of the Project, you will have to submit the following documents to this office and seek Final Grid Connectivity for the said Solar Power Park. Please note that, the Final Grid Connectivity will be granted after evaluation of prevailing system conditions. Documents to be submitted to this office before synchronization for seeking Final Grid Connectivity to the Solar Power Park are:

- **1.** Application for connection to Intra-State transmission system (Form: A-III). (Available at Website : www.mahatransco.in)
- 2. Work Completion Report (along with ABT Meters, SCADA/RTU-DC installation & commissioning report), as per the Scope of Works mentioned above from concerned Superintending Engineer.
- 3. Connection Agreement to be executed with the Chief Engineer EHV PC O&M Zone, MSETCL, Pune.
- **4.** Site Responsibility Schedule along with equipment details executed with MSETCL.
- 5. Approved Copy of Single Line Diagram and layout from the Chief Engineer (MSLDC), Airoli, Navi Mumbai and Chief Engineer, EHV PC O&M Zone, MSETCL, Pune.
- **6.** Certificate from the Chief Engineer (MSLDC), Airoli, Navi Mumbai, towards confirmation of AMR facility integration control center at MSLDC.

- 7. Certificate from the Chief Engineer (MSLDC), Airoli, Navi Mumbai, towards visibility of Generation to MSLDC for real time monitoring.
- **8.** Consent from the concerned Distribution Licensee for drawal of power required for Start-up and auxiliary consumption from the network.
- 9. Document showing unique registration number generated after registering the above generating unit with CEA online registration portal.

The Grid Connectivity is valid for 12 MONTHS from the date of this letter.

You are required to commission the Project within the stipulated time frame. If you are unable to complete the Project within this period, you must apply for a time extension along with the applicable processing fee, within 30 (thirty) days prior to the expiry of the validity period. The application must include valid reasons for the delay and supporting documentary evidence demonstrating the progress of the Project.

Please note that a maximum of two time extensions, each of six months, may be granted based on an assessment of work progress. If project is not completed within time period of 2nd time extension, the Grid Connectivity will be CANCELLED and Commitment Fee for the same will be FORFEITED.

If you fail to apply for a time extension within the specified period, it will be presumed that you are no longer interested in pursuing the development of the Project. In such case the Grid Connectivity shall be treated as *CANCELLED* & Commitment Fee will be forfeited. No further correspondence will be entertained in this regard. If required, you will have to apply afresh for grid connectivity and you will not have any precedence over other interested applicants in that area.

Further, the grid connectivity shall be governed by the following clauses of the MERC (Transmission Open Access) Regulations – 2016 and amendments thereunder:

- a. Clause No. 6.5: The grant of Connectivity shall not by itself entitle an Applicant to interchange any power through Open Access unless it obtains approval for Open Access.
- **b. Clause No. 6.6:** A Generator shall be permitted by MSLDC, subject to grid security considerations, to undertake testing, including full load testing, by injecting infirm power in to the grid before its commercial operation and prior to availing Open Access.
- c. Clause No. 8.11: The Nodal Agency shall grant Medium Term Open Access or Short Term Open Access if the resultant power flow can be accommodated in the existing Transmission System or the Transmission System under execution.
- d. Clause No. 9.1: The Specific source of supply or destination of off-take, as the

case may be, shall be intimated to the Nodal Agency at least three years prior to the intended date of availing Long-term Open Access, or such other period estimated by the Nodal Agency as required for augmentation of the Transmission System, whichever is lesser.

Provided also that, where there is any change in the location of either the drawal point or the injection or an increase of more than ten percent in the quantum of power for Open Access using the InSTS, a fresh Application shall be made.

In case of any contingencies and System Constraints, you and your investors will have to back down the generation as per system conditions as per the directives from the State Load Dispatch Centre and MSETCL will not be responsible for the said generation loss and you and your investors shall not claim for the said loss of generation from MSETCL.

Thanking you.

Yours Faithfully,

(Peeyush Sharma) Chief Engineer (STU)

Copy s.w.r.s. to:

- 1) The Chairman and Managing Director, C. O., MSETCL, Mumbai
- 2) The Director General, MEDA, Aundh Road, Opposite Spicer College, Near Commissionerate of Animal Husbandry, Aundh, Pune – 411007
- 3) The Director (Operations) C. O., MSETCL, Mumbai

Copy f.w.c. to:

- 1) The Chief Engineer, MSLDC, Airoli
- 2) The Chief Engineer (Project-Schemes) C. O., MSETCL, Mumbai
- 3) The Chief Engineer, EHV PC O&M Zone, MSETCL: Pune
- 4) The Chief Engineer (Renewable Energy), MSEDCL, Prakashgad, Mumbai
- 5) The Chief Engineer, Zone: Pune, MSEDCL

Check list

Project directors for processing the proposal overhead 3 3 KV Electrical Transmission line crossing National Highways vested with NHAI Circulars/Codes: -

- 1. Ministry Circular no. NH-III/P/20/77 dated 08.04.1982
- 2. Indian Electricity Act 1910
- 3. Indian Electricity Rule 1956
- 4. IRC:32-1969
- 5. IS:5613-1976 Part I to IV

For getting approval for laying of overhead 3.3 KV electrical line along the National Highway NH 150E vested with NHAI

Sr. No.	Item	Information/Status	Remarks
1	General Information	33KV Overhead electrical transmission line crossing At Km 104+525, from RHS to LHS, on Akkalkot-Solapur NH-150E	
1.1	Name and Address of the applicant	M/s. Enrich Energy Pvt. Ltd, 302, The Orion Building, 11/1C, Koregaon Park Road, Pune - 411 001, Maharashtra, India.	
1.2	National Highway Number	NH 150E	
1.3	State	Maharashtra	
1.4	Location	At Km 104+525, from RHS to LHS, on Akkalkot-Solapur NH-150E.	
1.5	(Chainage in Km)	At Km 104+525, from RHS to LHS, on Akkalkot-Solapur NH-150E.	*
1.6	Length in Meters	Span 100 M	
1.7	Width of available ROW	60 Mtrs.	
	A) Left side from center line towards increasing chainage/Km direction.	30 Mtrs.	
	B) Right side from center line towards increasing chainage/Km direction.	30 Mtrs.	
1.8	Proposal of crossing Power Line		
	A) Left side from center line towards increasing chainage/Km direction.	As above	
	B) Right side from center line towards increasing chainage/Km direction.	As above	*
1.9	Proposal to acquire land	Not Applicable	
	A) Left side from center line.	Not Applicable	HENE

		VA.	
В	3) Right side from center line.	Not Applicable	
	Whether proposal is in the same side where Land is not to be acquired.	Not Applicable	
	If not, then where to lay the overhead power line.	Not Applicable	
1,11	Details of already laid services, if	Not Applicable	
1.12	any, along the proposed route Number of lanes (2/4/6/8 Lanes)	4 Lane with paved shoulders	
1.13	Proposed number of lanes (2 Lane with Paved shoulders 4/6/8 Lanes)	Already 4 Lane with paved shoulders	
1.14	Service road existing or not of yes then which	Yes, On RHS of the project	20
	A) Left side from center line.	50 Mtr (Tower Distance)	
	B) Right side from center line.	50 Mtr (Tower Distance)	
1.15	Proposed service road A) Left side from center line.	Not Applicable	
	B) Right side from center line.	Not Applicable	
1.16	Whether proposal to lay crossing power cable is after the service road or between the service road & main carriageway	Overhead crossing Proposed tower Beyond ROW	
1.17	Whether carrying of crossing power cable has been proposed on Highway Bridge. If yes, then me tion the me hodology proposed for the same	Not Applicable	¥.
1.18	Minitry circulars and relevant codes mentioned above.		
1.19	A) Crossing of road involved A) Crossing angle for NH and provide length along the highway	Yes 90°00'00'' & span-100 Mtr	
	B) Structure (Tower, pole and to HT line only tension tower) for crossing shall not be too near the existing structure on the National Highway. The minimum distance being 50 mt.	e e al g	
	I) Type of existing / proposed structure of NH. II) What is the distance of tower pole and tension tower laying from the existing/ proposed structure for NH?	Null Distance from center of NH is 50 Mtr on RHS & 50 Mtr on LHS for 33KV	6.



C) The overhead lines and their supporting poles/ towers should ordinarily be paced at the extreme edge of the road land boundary. In any case these shall be at least 10 meters away from edge of existing shoulder of extreme traffic lane. Where the existing road away is narrower than the minimum according or 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? D) Overhead lines and their supporting poles / towers 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 tree. What is the horizontal clearance from the nearest line of avenue tree. E) In mountain/ hilly terrain the overhead line should be erected preferably only the valley side as far as practicable. In hilly region level of ground at the 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 site clearance is swing conditions. Is the proposal in hilly area? F) The horizontal clearance in respect of poles erected from the purpose of street lightning in urban situation shall be as under.	5		
What is the horizontal clearance from the extreme edge of the road and boundary? D) Overhead lines and their supporting poles / towers 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 tree E) In mountain/ hilly terrain the overhead line should be erected preferably only the valley side as far as practicable. In hilly region level of ground at the 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 site clearance is swing conditions. Is the proposal in hilly area? F) The horizontal clearance in respect of poles erected from the purpose of street lightning in urban situation	supporting poles/ towers should ordinarily be paced at the extreme edge of the road land boundary. In any case these shall be at least 10 meters away from edge of existing shoulder of extreme traffic lane. Where the existing road away is narrower than the minimum according or standard or where the widening is proposed for any reason the lateral clearance shall be reckoned with respect to ultimate	Not Applicable	
D) Overhead lines and their supporting poles / towers 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 tree E) In mountain/ hilly terrain the overhead line should be erected preferably only the valley side as far as practicable. In hilly region level of ground at the 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 site clearance is swing conditions. Is the proposal in hilly area? F) The horizontal clearance in respect of poles erected from the purpose of street lightning in urban situation	What is the horizontal clearance from the extreme edge of the road	Horizontal Clearance from center of NH is 50 Mtr on RHS & 50 Mtr on LHS	22
E) In mountain/ hilly terrain the overhead line should be erected preferably only the valley side as far as practicable. In hilly region level of ground at the 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 site clearance is swing conditions. Is the proposal in hilly area? F) The horizontal clearance in respect of poles erected from the purpose of street lightning in urban situation	D) Overhead lines and their supporting poles / towers 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	(Over Head Transmission Line Crossing)	
F) The horizontal clearance in respect of poles erected from the purpose of street lightning in urban situation	E) In mountain/ hilly terrain the overhead line should be erected preferably only the valley side as far as practicable. In hilly region level of ground at the 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 site clearance is swing conditions. Is the proposal in hilly area?	Proposed is in Plain terrain	
Silati be as ander:	F) The horizontal clearance in respect of poles erected from the purpose of street lightning in urban situation shall be as under.	Not Applicable	
1) For road with Minimum 300mm from Raised kerbs 300 from the aged of nearest kerb preferably 600mm	from Raised kerbs 300 from the aged of nearest kerb preferably	Not Applicable	ENEA

	2) For road with at least 1.5m from the edge of carriage way Raised kerbs subject to minimum 5.0 from the central line of carriage Way	Not Applicable	
	G) The pylons of HT lines along crossing the road shall be located outside the NH land.	Not Applicable	
	H) For crossing the line of same voltage or low voltage, suspension/tension tower with suitable extension shall be used.	Not Applicable	
	I) The vertical clearance of the overhead lines crossing the road shall be reckoned from the top of crown of the road taking into account the anticipated final top level due to figure raising of road level strengthening of pavement, etc. The actual ground clearance of high-tension line for voltage above 650 V varies depending upon the voltage transmitted and these are stipulated in Indian Standard codes IS 56130-1976 Part I to IV and Indian electricity rules 1956 as under	The vertical clearance between the top surface of the existing National Highway and the lowest point of the conductor at maximum sag is 14.00 meters (Drawing Enclosed)	
2	Affidavit / undertaking to be obtained (to be furnished by the applicant)	Yes Enclosed	
.,1	Not to Damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned agency.	Yes Enclosed	
2	Undertaking for Renewal of Bank Guarantee	Yes Enclosed	
2.3	Confirming all standard condition laid down in ministry circular no NH-III/P/20/77 dated 08.04.1982 Indian Electricity Act 1910 of Indian Electricity rules 1956 IRC: 32-1969, IS: 5613-1976 part I to IV of NHAI.	Yes Enclosed	Ŀ
.4	Shifting of overhead power line at their own cost as and when required by (NHAI).	Yes Enclosed	
.5	Shifting of overhead power line at their own cost as and when required due	Yes Enclosed	

	to 4/6 Laning/ widening of NH.		~
2.6	Indemnity against all damages and		
	claims whatsoever kind that may to be NHAI or to any third party in the ROW during installation operation and maintenance.	Yes Enclosed	
2.7	Traffic movement during laying of power line to be managed by the applicant.	Yes Enclosed	
8	If any claim is raised by the Concessionaire, then the same has to be paid by the applicant.	Yes Enclosed	
.9			
	obtained before undertaking any work of installation shifting or repairs or alteration to the showing of EHV power line located in the National Highway right of way.	Yes Enclosed	
.10	Expenditure, if any, incurred by / electric department of repairing any damage caused to the National Highway by the laying, maintenance or shifting of the EHV power line located in the National Highway right of way.	Yes Enclosed	
.11	If NHAI considers it necessary in future to move The EHV power line for any work of improvement or repairs to the road, it will be carried out as desired by NHAI at the cost of the agency owing the power line within reasonable time (not exceeding 60 days) of the intimation given.	Yes Enclosed	
.12	Certificate from the applicant in the following format. 1) Laying of EHV power line will not have any deleterious effects on any of bridge components & roadway safety for traffic. 2) For 6 Laning "We do undertake that we will relocate service road/approach road/utilities at our own cost notwithstanding the permission granted with in such time as well as stipulated by NHAI" for future 6 Laning	Yes Enclosed	

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2.13	or any other development. The transmission line installation		
	shall be carried out by trained and experienced personal and supervised	Yes Enclosed	
	by technically qualified persons		
	competent		
2.14	to undertake such works.		
2.14	The same strong and saidly of		
	the highway traffic against the hazard of the high voltage lines	Yes Enclosed	
	during installation		
	operations and maintenance.		
2.15	Undertake the compliance with		
	Indian Electricity rules and other		
	authorities' regulations all overhead	Yes Enclosed	
	lines shall comply with the		
	requirement of the Indian Electricity act and rules made their		
	under and regulation or		
	specification laid down by NHAI.		
.0	Other documents and drawing to	Yes Enclosed	
	be furnished by the applicants.		
3,1	Methodology for laying	Yes Enclosed	
	of Overhead electric		
.2	Draft license agreement.	Van Frales I	
.3	Performance Bank Guarantee in	Yes Enclosed	
	favor of		
	NHAI has to be obtained @ Rs. 100/-		
	per running meter (parallel to NH)		
	and Rs. 1, 00,000/- per crossing of		
	NH, for a period of one year	Yes Enclosed	
	initially (extendable if required till satisfactory completion of work) as a		
	security for ensuring making good the		
	area, clearing debris/loose earth,		
	etc. Produced in the right -of - way.		
	No payment shall be payable by the		
	NHAI to the license for clearing		
	debris /loose		
.4	Strip plan/route plan showing power		
'	line, chainage, width of ROW,		
	Distance of proposed structure		
	(tower pole and for HT line only	Yes	
	tension towers) from the edge of	103	
	ROW, important milestone,		
	intersections, cross drainage work,		
	any		
	other structures existing or proposed etc.		
-	Certificate from Project Director	Not Applicable	
	ceremente from Project bilector	Mot Applicable	III EA

4.1	Certificate for confirming that the		W.
	proposal has been examined with respect to the structures and development work considered at this location and compliance of the standard conditions issued vide ministry circular no NS-III/P/20/77 dated 08.04.1982 Indian Electricity Act 1910 of Indian Electricity rules 1956 IRC:32-5613- 1976 part I to IV of (NHAI) and NHAI's guidelines.	Not Applicable See	
4.2	Certificate from PD in the following		
Д	(i) "It is certified that any other location of the EHV power line would be extremely difficult and unreasonable costly and the installation of EHV power line within ROW will not adversely affects the design, stability and traffic safety of the highway nor the likely future improvement such as widening of the carriageway, easing of kerb etc." (ii) For 6- Lanning: - a) Where feasibility is available "I do certify that there will be no hindrance to proposed six -Laning based on the feasibility report considering proposed structures at the said location." b) In case Feasibility report is not available "I do certify that sufficient ROW is available at site for accommodation of six - Laning."	Not Applicable	
5.	If NH section proposed to be taken up by NHAI on BOT basis a clause is		
	inserted in the agreement. "The permitted Highway on which licenses has been granted the right to lay EHV power line has also been granted as a right of way to the concessionaire under the concession agreement for up gradation of	Not Applicable	
).	Who will supervise the work of laying of EHV power line?	M/s Enrich Energy Pvt. Ltd.	
7	Who will sign the agreement on behalf of the overhead electric power line agency?	M/s Enrich Energy Pvt. Ltd.	
	* *		CHENE

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8.	Who will ensure that the defects in	M/s Enrich Energy Pvt. Ltd.	
	road portion after laying of EHV	3,	
	power line are corrected and if not		
	corrected then what		
0	action will be taken?		
9.	Who will pay the claims for damages	M/s Enrich Energy Pvt. Ltd.	
	done/ disruption in working of		
	concessionaire if asked by the		
	concessionaire?		
10.	A certificate from PD that he will		
	enter the proposed permission in the		
	register of records of the	NHAI	
	permissions in the	MIA	
	prescribed proforma (copy enclosed).		
11.	If any previous approval for laying of		
	overhead EHV line, then photocopy of		
	register of records of permissions	NA	
	accord	IVA	
	as Maintained by PD		

