



भारत सरकार  
Government of India  
विद्युत मंत्रालय  
Ministry of Power  
केन्द्रीय विद्युत प्राधिकरण  
Central Electricity Authority  
विद्युत संचार विकास प्रभाग  
Power Communication Development Division

|   |              |
|---|--------------|
| CEA Case No.: KER-338   | dt. 14.12.21 |
| PTCC proposal for 220 kV MC LILO line from East Malayamma to 220 kV GIS substation Kunnamangalam from existing 220 kV Arecode – Kaniyampetta line; 7.6 km |              |

| Reference: |  |            |
|------------|--|------------|
| S. No.     | Reference No.  | Dated      |
| (i)        | KSEBL: DCE(TS)/EEII/TA/PTCC/East Malayamma-Kunnamangalam 220 kV/2020-21/1755 | 03.03.2021 |
| (ii)       | BSNL: SR-PTCC/SKL3465/4  | 31.08.2021 |
| (iii)      | Southern Railway: W.384/3/4/582  | 15.03.2021 |
| (iv)       | Defense: B/46937/Sigs 7(b)/2407  | 02.06.2021 |

The PTCC proposal submitted vide reference (i) has been examined. The LF induction on telecom lines of BSNL with respect to details furnished vide above reference (ii) has been computed. The voltages likely to be induced on paralleling telecom lines of BSNL under Single Line to Ground fault condition are enclosed at Annexure-I. The screening factors, as applicable, have been considered. Southern Railway vide reference (iii), has intimated that no railway lines lie within 8 km boundary around the proposed power line and given their consent for the PTCC route approval of the proposed power line. The Defense Authority have accorded NOC vide above reference (iv) for the proposed power line (a copy enclosed as Annexure-II).

Taking above into consideration, necessary action regarding issuance of PTCC route approval may be taken.

Encl.: As above.

Signature Not Verified

Digitally signed by RAGHUVENDRA PRATAP SINGH  
Date: 2021.12.14 11:00:59+05'30'

Director

To,

|    |  |  |                      |
|----|--|--|----------------------|
| 1. | Divisional Engineer (PTCC), Southern Zone. | BSNL, Inspection Circle, 1st Floor, Raj Bavan Exchange No. 26, Sardar Patel Road, Guindy, Chennai-600032 |                      |
| 3. | Deputy Chief Engineer (Tech)               | KSEBL; O/o Chief Engineer (Transmission South), Vydyuthi Bhavanam, Pattom, Thiruvananthapuram-695004.    | Copy for information |

M/C

CEA Case No: KSR-338

Annex-I

| SKL 3465  |                               | SSA:Kozhikode |       |            |                       |
|---|-------------------------------|---------------|-------|------------|-----------------------|
| Name of the power line: 220 KV line from Malayamma to Kunnamangalam S/S |                               |               |       |            |                       |
| Length:   | 7.8 KM                        | Kms           | SR    | 15000 D-cm |                       |
| Type of BSNL cable: PIJF  |                               |               |       |            |                       |
| Sl.No.  | Name of Telecom line          | in KMs        | Ohm s | FC in Amps | IV in Volts           |
| 1   | Kunnamangalam Exchange Cabies |               |       |            |                       |
| 1   | Exge to Pillar 20             |               |       |            |                       |
| 2   | Exge to Pillar 21             |               |       |            |                       |
| 3   | Exge to Pillar 22             |               |       |            |                       |
| 4   | Exge to Pillar 23             |               |       |            |                       |
| 5   | Exge to Pillar 24             |               |       |            |                       |
| 6   | Exge to Pillar 25             |               |       |            |                       |
| 7   | Exge to Pillar 26             |               |       |            |                       |
| 8   | Exge to Pillar 27             |               |       |            |                       |
| 9   | Exge to Pillar 28             |               |       |            | IV less than<br>430 V |
| 10  | Exge to Pillar 30             |               |       |            |                       |
| 11  | Exge to Pillar 31             |               |       |            |                       |
| 12  | Exge to Pillar 32             |               |       |            |                       |
| 13  | Exge to Pillar 36             |               |       |            |                       |
| 14  | Exge to Pillar 37             |               |       |            |                       |
| 15  | Exge to Pillar 50             |               |       |            |                       |
| 16  | Exge to Pillar 51             |               |       |            |                       |
| 17  | Exge to Pillar 52             |               |       |            |                       |
| 18  | Exge to Pillar 53             |               |       |            |                       |
| 19  | Exge to Pillar 54             |               |       |            |                       |
| 20  | Exge to Pillar 55             |               |       |            |                       |
| 21  | Exge to Pillar 57             |               |       |            |                       |
| 22  | Exge to Pillar 58             |               |       |            |                       |
| 23  | Exge to Pillar 60             |               |       |            |                       |

Prateek  
 प्रतीक श्रीवास्तव / PRATEEK SRIVASTAVA  
 सहायक निदेशक-II / Asstt. Director-II  
 केन्द्रीय विद्युत प्राधिकरण / C.E.A.  
 Director General of Administration of BSNL

①

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| 24  | Exge to Pillar 61                                   |  |  |  |  |
| 25  | Exge to Pillar 62                                   |  |  |  |  |
| 26  | Exge to Pillar 66                                   |  |  |  |  |
| II  | <b>Kuruvattur Telephone Exchange Cables</b>         |  |  |  |  |
| 1   | Exge to Pillar 21                                   |  |  |  |  |
| 2   | Exge to Pillar 31                                   |  |  |  |  |
| 3   | Exge to Pillar 32                                   |  |  |  |  |
| 4   | Exge to Pillar 33                                   |  |  |  |  |
| 5   | Exge to Pillar 35                                   |  |  |  |  |
| 6   | Exge to Pillar 41                                   |  |  |  |  |
| 7   | Exge to Pillar 51                                   |  |  |  |  |
| 8   | Exge to Pillar 53                                   |  |  |  |  |
| 9   | Exge to Pillar 53A                                  |  |  |  |  |
| 10  | Exge to Pillar 61                                   |  |  |  |  |
| 11  | Exge to Pillar 71                                   |  |  |  |  |
| 12  | Exge to Pillar 75                                   |  |  |  |  |
| III | <b>REC CHATHAMANGALAM Telephone Exchange Cables</b> |  |  |  |  |
| 1   | Exge to Pillar 21                                   |  |  |  |  |
| 2   | Exge to Pillar 25                                   |  |  |  |  |
| 3   | Exge to Pillar 27                                   |  |  |  |  |
| 4   | Exge to Pillar 31                                   |  |  |  |  |
| 5   | Exge to Pillar 33                                   |  |  |  |  |
| 6   | Exge to Pillar 36                                   |  |  |  |  |
| 7   | Exge to Pillar 39                                   |  |  |  |  |
| 8   | Exge to Pillar 41                                   |  |  |  |  |
| 9   | Exge to Pillar 43                                   |  |  |  |  |
| 10  | Exge to Pillar 51                                   |  |  |  |  |
| 11  | Exge to Pillar 55                                   |  |  |  |  |
| 12  | Exge to Pillar 61                                   |  |  |  |  |
| 13  | Exge to Pillar 63                                   |  |  |  |  |
| 14  | Exge to Pillar 65                                   |  |  |  |  |

IV less than  
430V

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विद्युत विभाग / Ministry of Power  
New Delhi / India

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|-----|------------------------------------|--|--|--|--|
| 30  | Exge to Pillar 42                  |  |  |  |  |
| 31  | Exge to Pillar 24                  |  |  |  |  |
| 32  | Exge to Pillar 38                  |  |  |  |  |
| 33  | Exge to Pillar 36                  |  |  |  |  |
| 34  | Exge to Pillar 35                  |  |  |  |  |
| V   | Kuttikatoor Exge Cables            |  |  |  |  |
| 1   | Exge to Pillar 54                  |  |  |  |  |
| VI  | Mukkam Telephone Exchange Cables   |  |  |  |  |
| 1   | Exge to Pillar 20                  |  |  |  |  |
| 2   | Exge to Pillar 21                  |  |  |  |  |
| 3   | Exge to Pillar 22                  |  |  |  |  |
| 4   | Exge to Pillar 23                  |  |  |  |  |
| 5   | Exge to Pillar 24                  |  |  |  |  |
| 6   | Exge to Pillar 25                  |  |  |  |  |
| 7   | Exge to Pillar 31                  |  |  |  |  |
| 8   | Exge to Pillar 32                  |  |  |  |  |
| 9   | Exge to Pillar 33                  |  |  |  |  |
| 10  | Exge to Pillar 34                  |  |  |  |  |
| 11  | Exge to Pillar 35                  |  |  |  |  |
| 12  | Exge to Pillar 41                  |  |  |  |  |
| 13  | Exge to Pillar 43                  |  |  |  |  |
| 14  | Exge to Pillar 44                  |  |  |  |  |
| 15  | Exge to Pillar 45                  |  |  |  |  |
| 16  | Exge to Pillar 61                  |  |  |  |  |
| 17  | Exge to Pillar 62                  |  |  |  |  |
| 18  | Exge to Pillar 71                  |  |  |  |  |
| 19  | Exge to Pillar 72                  |  |  |  |  |
| VII | Omassery Telephone Exchange Cables |  |  |  |  |
| 1   | Exge to Pillar 41                  |  |  |  |  |
| 2   | Exge to Pillar 43                  |  |  |  |  |
| 3   | Exge to Pillar 42                  |  |  |  |  |

IV less than  
430 V

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सहायक निदेशक-II/Asst. Director-II  
केंद्रीय विद्युत प्राधिकरण/C.E.A.  
विद्युत मंत्रालय/Ministry of Power  
भारत सरकार/Govt. of India  
नई दिल्ली/New Delhi

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| 15        | Exge to Pillar 71               |  |  |              |  |
| <b>IV</b> | <b>Chevayur Exchange Cables</b> |  |  |              |  |
| 1         | Exge to Pillar 45               |  |  |              |  |
| 2         | Exge to Pillar 44               |  |  |              |  |
| 3         | Exge to Pillar 27               |  |  |              |  |
| 4         | Exge to Pillar 25               |  |  |              |  |
| 5         | Exge to Pillar 26               |  |  |              |  |
| 6         | Exge to Pillar 56               |  |  |              |  |
| 7         | Exge to Pillar 57               |  |  |              |  |
| 8         | Exge to Pillar 52               |  |  |              |  |
| 9         | Exge to Pillar 50               |  |  |              |  |
| 10        | Exge to Pillar 51               |  |  | IV less than |  |
| 11        | Exge to Pillar 41               |  |  | 430 V        |  |
| 12        | Exge to Pillar 46               |  |  |              |  |
| 13        | Exge to Pillar 49               |  |  |              |  |
| 14        | Exge to Pillar 40               |  |  |              |  |
| 15        | Exge to Pillar 29               |  |  |              |  |
| 16        | Exge to Pillar 30               |  |  |              |  |
| 17        | Exge to Pillar 43               |  |  |              |  |
| 18        | Exge to Pillar 23               |  |  |              |  |
| 19        | Exge to Pillar 28               |  |  |              |  |
| 20        | Exge to Pillar 39               |  |  |              |  |
| 21        | Exge to Pillar 37               |  |  |              |  |
| 22        | Exge to Pillar 22               |  |  |              |  |
| 23        | Exge to Pillar 55               |  |  |              |  |
| 24        | Exge to Pillar 30               |  |  |              |  |
| 25        | Exge to Pillar 53               |  |  |              |  |
| 26        | Exge to Pillar 48               |  |  |              |  |
| 27        | Exge to Pillar 54               |  |  |              |  |
| 28        | Exge to Pillar 47               |  |  |              |  |
| 29        | Exge to Pillar 62               |  |  |              |  |

*Prateek*

श्री जीवराज अग्रवाल/SHRI JIVRAJ AGRAWAL  
 सहायक निदेशक-II / Asstt. Director-II  
 क्षेत्रीय विद्युत प्राधिकरण/C.E.A.  
 विद्युत मंत्रालय/Ministry of Power  
 भारत सरकार/C Govt. of India  
 नई दिल्ली/New Delhi

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| 4           | Exge to Pillar 31                          |  |  |  |
| 5           | Exge to Pillar 51                          |  |  |  |
| 6           | Exge to Pillar 27                          |  |  |  |
| 7           | Exge to Pillar 22                          |  |  |  |
| 8           | Exge to Pillar 26                          |  |  |  |
| 9           | Exge to Pillar 23                          |  |  |  |
| 10          | Exge to Pillar 24                          |  |  |  |
| 11          | Exge to Pillar 25                          |  |  |  |
| 12          | Exge to Pillar 21                          |  |  |  |
| <b>VIII</b> | <b>Koduvally Telephone Exchange Cables</b> |  |  |  |
| 1           | Exge to Pillar 21                          |  |  |  |
| 2           | Exge to Pillar 22                          |  |  |  |
| 3           | Exge to Pillar 23                          |  |  |  |
| 4           | Exge to Pillar 24                          |  |  |  |
| 5           | Exge to Pillar 25                          |  |  |  |
| 6           | Exge to Pillar 26                          |  |  |  |
| 7           | Exge to Pillar 31                          |  |  |  |
| 8           | Exge to Pillar 32                          |  |  |  |
| 9           | Exge to Pillar 33                          |  |  |  |
| 10          | Exge to Pillar 34                          |  |  |  |
| 11          | Exge to Pillar 35                          |  |  |  |
| 12          | Exge to Pillar 36                          |  |  |  |
| 13          | Exge to Pillar 37                          |  |  |  |
| 14          | Exge to Pillar 41                          |  |  |  |
| 15          | Exge to Pillar 42                          |  |  |  |
| 16          | Exge to Pillar 43                          |  |  |  |
| 17          | Exge to Pillar 88                          |  |  |  |
| 18          | Exge to Pillar 51                          |  |  |  |
| 19          | Exge to Pillar 52                          |  |  |  |
| 20          | Exge to Pillar 53                          |  |  |  |
| 21          | Exge to Pillar 54                          |  |  |  |

IV less than  
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*Prateek*

प्रतीक श्रीवास्तव / PRAITEEK SHIVASTAVA  
सहायक निदेशक-II / Asstt. Director-II  
केन्द्रीय विद्युत प्राधिकरण / C.E.A.  
विद्युत मंत्रालय / Ministry of Power  
भारत सरकार / Govt. of India  
नई दिल्ली / New Delhi

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| 22 | Exge to Pillar 55 |  |  |  |              |
| 23 | Exge to Pillar 56 |  |  |  |              |
| 24 | Exge to Pillar 61 |  |  |  |              |
| 25 | Exge to Pillar 62 |  |  |  |              |
| 26 | Exge to Pillar 63 |  |  |  | IV less than |
| 27 | Exge to Pillar 64 |  |  |  | 430 V        |
| 28 | Exge to Pillar 65 |  |  |  |              |
| 29 | Exge to Pillar 66 |  |  |  |              |
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प्राईटेक श्रीवर्मा/PRAITEEK SRIVASTAWA  
सहायक निदेशक-II/Asstt. Director-II  
केन्द्रीय विद्युत प्राधिकरण/C.E.A.  
विद्युत मंत्रालय/Ministry of Power  
भारत सरकार/Govt. of India  
नई दिल्ली/New Delhi

Tele : 23019746

KER-338

Annex-II

Directorate General of Signals  
Signals 7  
General Staff Branch  
Integrated HQ of MoD, (Army)  
DHQ PO, New Delhi - 110011


B/46937/Sigs 7(b)/2407/

02 Jun 2021

Office of the Chief Engineer (Transmission South)  
Kerala State Electricity Board Limited  
Vidyuthi Bhavanam, Pattom  
Thiruvananthapuram-695 004, Kerala

**TRANSGRID 2.0-NMLP B-CONSTRUCTION OF 220/110KV MCMV LILO LINE  
FROM EAST MALAYAMMA TO 220KV GIS SUBSTATION, KUNNAMANGALAM  
FROM EXISTING 220KV AREACODE-KANIYAMPETTA LINE ALONG THE  
EXISTING ROW OF 110KV AGATHIAMOOZHI-KUNNAMANGALAM FEEDER IN  
KOZHIKKODE DISTRICT -PTCC CLEARANCE-REG.**

1. Refer your letter No DCE(TS)/EEII/TA/PTCC/ East Malayamma-Kunnamangalam 220KV/2020-21/1755 dt 03 Mar 2021 (copy att).
2. No Objection Certificate (NOC) is accorded based on inputs provided vide Map sheets received under your letter mentioned above.
3. Documents alongwith map sheets (in original) are returned herewith for your further necessary action.

  
(A Rawat)  
Lt Col  
GSO 1 (Comn)  
for SO-in-C

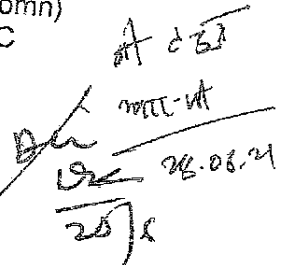
Enclosures : As above

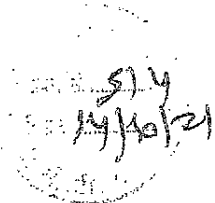
Copy to :-

✓ The Director (PTCC), CEA  
Power Communication Development Division  
NRPC Complex, 18-A Shaheed Jeet Singh Marg  
Katwaria Sarai, New Delhi - 110016

The DET (PTCC), Northern Zone  
O/o PGM (North), QA & Inspection Circle,  
D-Tax Building, Eastern Court, Janpath  
New Delhi-110001

for information

  
A d B  
MILL-IT  
26.06.21  
25/2

  
24/06/21