

I/26882/2023



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. : TRI-05		
PTCC approval for additional section of 400 kV D/C Palatana-Surajmaninagar (ISTS) Transmission Line [Length- 11.948 km] -Regd.		
S. No	Reference No.	Dated
(i)	PGCIL: NEAGT/TLC/LILO/PTCC/2022-23/72	08.07.2022
(ii)	PGCIL: e-mail	22.02.2023 & 01.03.2023
(iii)	PGCIL: NERAGT/TLC/LILO/400kVPALA-SMN/	21.03.2023
(iv)	BSNL: DET/PTCC/ER/EML220720224133/01	01.02.2023
(v)	North East Frontier Railway: N/146/2/10Pt.VI(TC)	25.07.2022
(vi)	Defense: B/46937/Sigs7(b)/2958	06.09.2022

The PTCC proposal submitted vide reference (i), (ii) and (iii) has been examined. The original proposal submitted by POWERGRID was for LILO of 400 kV D/C Palatana – Surajmaninagar (ISTS) at Surajmaninagar (TSECL) substation. However, vide reference (iii) (copy enclosed) above PGCIL has intimated that as Surajmaninagar (TSECL) substation is not ready yet, POWERGRID has been allowed by NERPC to capitalize the tariff for upgradation work (undertaken in NERSS XIV) of 132 kV Palatana – Surajmaninagar to 400 kV and termination at Surajmaninagar (ISTS) as an interim measure. Due to the above modification an additional 11.94 km section would be included in the existing 400 kV D/C Palatana – Surajmaninagar (ISTS) transmission line. In the above letter POWERGRID has also mentioned that they shall apply fresh application for PTCC clearance when LILO connectivity will be done with Surajmaninagar (TSECL) substation after its successful completion.

The LF induction on Block and Telecom circuits of North East Frontier Railway with respect to details furnished vide above reference (v) has been computed. The voltage likely to be induced on paralleling Block and Telecom circuits of North East Frontier Railway under Single Line to Ground fault condition are enclosed at Annexure-I. The screening factors as applicable have been considered. DET (PTCC), ER, BSNL and DG Signals, MoD have issued No Objection Certificate (NOC) vide reference (iv) & (vi) respectively.

Taking above into consideration, necessary action regarding issuance of PTCC approval for the subject cited transmission line might be taken under intimation to this office.

Encl.: As above

Digitally Signed by Upendra
Kumar
Date: 22-03-2023 16:33:49
Reason: Approved

Chief Engineer

I/26882/2023

To,

1.	Divisional Engineer (PTCC), Eastern Zone	BSNL, O/o QA & Inspection Circle QA Bhawan, EP-GP Block Sector-V, Salt lake, Kolkata	
2.	GM (S&T)	North East Frontier Railway Maligaon, Guwahati	Annexure-I
3.	Chief Engineer PGCIL	Agartala TLM office Kunjaban, West Tripura	Copy for information.

I/26882/2023

ANNEXURE-I

CEA Case No.: TRI-05		Map Scale : 1 cm = 500 m			
Name of the Power line: Additional section of 400 kV D/C Palatana-Surajmaninagar (ISTS) Transmission Line [Length-11.94 km].		Total Length 11.94 km		S.R. Value : 1,00,000 Ohm-cm	
S.No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	I.V in Volts.
North East Frontier Railway Letter No: N/146/2/10Pt.VI(TC) Dated 25.07.2022					
<u>Affected Blocks & Telecom Circuits Details</u>					
1	Jirania R/s to Agartala R/s	-Out of Parallelism-			
2	Agartala R/s to Bishalgarh R/s	2.5	0	22400	0
3	Bishalgarh R/s to Bishramgaj R/s	-Out of Parallelism-			

Note: Mutual coupling is zero as Power flow is in opposite direction in the two circuits on same tower.

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

TRF-05

B/469377Sigs 7(o)/2958/

06 Sep 2022

Chief Manager
Power Grid Corporation of India Limited
Site Office: Agartala TLM Office
Opposite to AG Office, Kuniaban
West Tripura-799005

**PTCC CLEARANCE FOR LILO OF 400KV DIC PALATANA-SURAJMANINAGAR
(ISTS) TRANSMISSION LINE AT SURAJMANINAGAR (TSECL) SUB-STATION,
TRIPURA UNDER NERSS-XIV**

1. Refer your letter No NEAG/TLA/LILO/PTCC/2022-23/72 dt 08 Jul 2022 (copy att)
2. No Objection Certificate (NOC) is accorded based on inputs provided as per Map sheet received vide your letter mentioned above
3. Documents alongwith map sheets (in original) are returned herewith for your further necessary action

(PS Samyal)

Col
GSO 1 (Comn)
for ADG T

Enclosures : As above

Copy to -

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

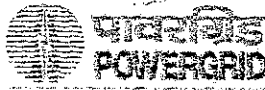
The DET (PTCC), Northern Zone
O/b PGM (North), QA & Inspection Circle,
D-Tax Building, Eastern Court, Janpath
New Delhi 110001

DET (PTCC), Eastern Region
Inspection & QA Circle, BSNL
Q.A. Bhawan, EP-GP Block
Sector-V, Salt Lake
Kolkata-700091

for information

sh. brateek
28/9





पावर ग्रीड कॉर्पोरेशन ऑफ इंडिया लिमिटेड
(एन सी ई आर कंपनी)
POWER GRID CORPORATION OF INDIA LIMITED
(A Government of India Enterprise)

Ref: NERAGT/ TLC/LILO/400KV-PALA-SMN/

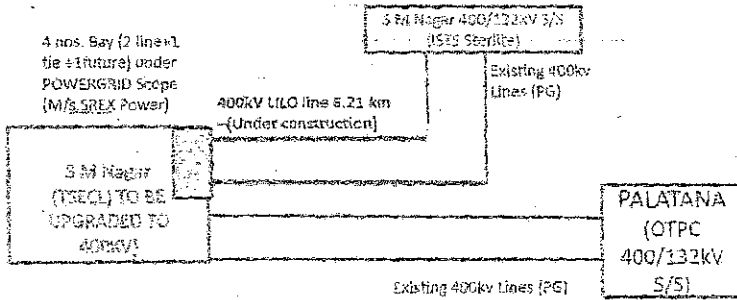
Date: 21.03.2023

To,
Director (PTCC),
Central Electricity Authority,
18A Shaheed Jeet Singh, Sansanwall Mark,
Katwaria Sara (NRPC Building), New Delhi 110016

Subject: Issue of PTCC route approval certificate for LILO of 400KV D/C Palatana-Surajmaninagar (ISTS) Transmission line, Tripura under NERSS-XIV.

Dear Sir,

- 01. You may kindly be aware that Power Grid Corporation of India Ltd. (A Govt. of India Enterprise, under Ministry of Power) has undertaken construction of LILO of 400KV D/C Palatana-Surajmaninagar (ISTS) transmission line at Surajmaninagar (TSECL) Sub-station. This power project is associated with inter state strengthening scheme namely "NER System Strengthening Scheme-XIV".
- 02. Under NERSS-IX, the existing 132KV Surajmaninagar (SMNagar) SS of TSECL to be upgraded to 400KV level and there shall be LILO of 400KV D/C Palatana- SMNagar (ISTS) line at SMNagar (TSECL). The sketch is shown below:



Accordingly, we have applied for issue of PTCC clearance of new LILO line.

- 03. Due to delay in Surajmaninagar S/S, both circuit of 400KV Palatana-Surajmaninagar (ISTS) line could not be upgraded to 400KV level as proposed in NERSS-V. At present, one circuit of Palatana-SMNagar(ISTS) line is charged at 400KV level and another circuit Palatana-SMNagar(TSECL) line is charged at 132KV level through 3 nos. ERS towers. Copies enclosed at Annex-A.

Central Electricity Authority
PCD Division

Diary No.
Date: 21/03/2023

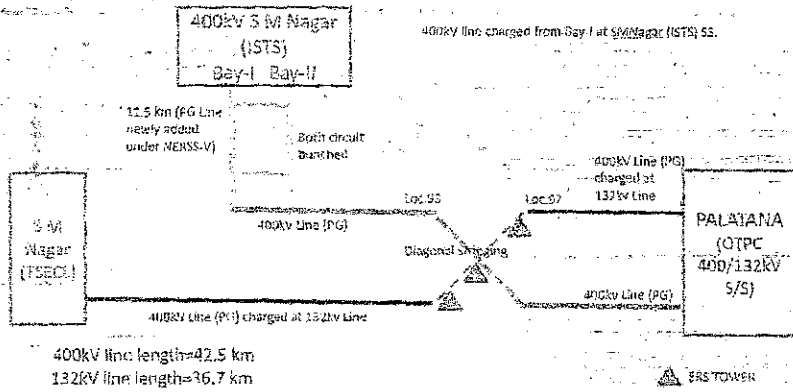
साइट ऑफिस : अमरसहायनी नगर कार्यालय, एन सी ई आर कम्प्लेक्स, कुंजबन, पश्चिम त्रिपुरा-799005, त्रिपुरा - 0381-2315096
Site Office: Agarata TLM Office, Opposite to AG Office, Kunjaban, West Tripura-799005, Tripura: 0381-2315096
केन्द्रीय कार्यालय (संयोजित) : कोटनगर-2, सेक्टर-29, गुरुग्राम-122001, हरियाणा-दूरभाष (0124-2571700-719)
Corporate Office: "Saulamini", Plot No. 2, Sector-29, Gurugram-122001, (Haryana) Tel. 0124-2571700-719

परीक्षण कार्यालय-9, कृष्ण संशोधन परिसर, अटल बिहारी वाजपेयी, नई दिल्ली (110 015) दूरभाष: 011-26580112, 26560121, 26564812, 26564892, FAX: 011-26580120, 26580123, 26580124
Registered Office: B-9, Qutub Institutional Area, Katwaria Sara, New Delhi-110 016. Tel: 011 26560112, 26560121, 26564812, 26564892, FAX: 011-26580120, 26580123, 26580124
Web-site: www.powergridindia.com

BB028270023PCD



शक्ति विद्युत आपूर्ति निगम लिमिटेड
(सर्वोत्तम का उत्तर)
POWER GRID CORPORATION OF INDIA LIMITED
(A Government of India Company)



04. As per the approved scheme under NERSS-XIV, POWERGRID has constructed additional 5.974 km of 400kV transmission line for making ULO of Palatana-Surajmaninagar (STS) line at Surajmaninagar (TSECL) Sub-Station. But, upgradation work of Surajmaninagar (TSECL) sub-station from 132kV to 400kV level not yet started by TSECL.
05. Considering delay in construction of SMNAGAR TSECL SS, it is proposed that newly constructed 400kV LULO line, total=11.948 km (i.e. 5.974kmx2) to be charged at rated voltage so that power can be flown in the line in the absence of associated bays. On addition, the 400kV Palatana-SMNagar(STS) line shall be 54.574km/161 tower locations. The earlier 400kV line length was 42.5km/136 tower locations. The matter for charging of LULO line was deliberated in the 22nd NERPC meeting dtd.28.03.2022. In the meeting, quote-*Member Secretary, NERPC stated that the scope of LULO of 400kV Palatana - Surajmaninagar(STS) at Surajmaninagar(TSECL) by POWERGRID under RTM to be dropped for the time being, however, the tariff for upgradation work (undertaken in NERSS XIV) of 132kV Palatana - Surajmaninagar to 400kV and termination at Surajmaninagar(STS) shall be allowed to POWERGRID as admissible.* unquote Copy of minutes of meeting enclosed.

[Handwritten signature]

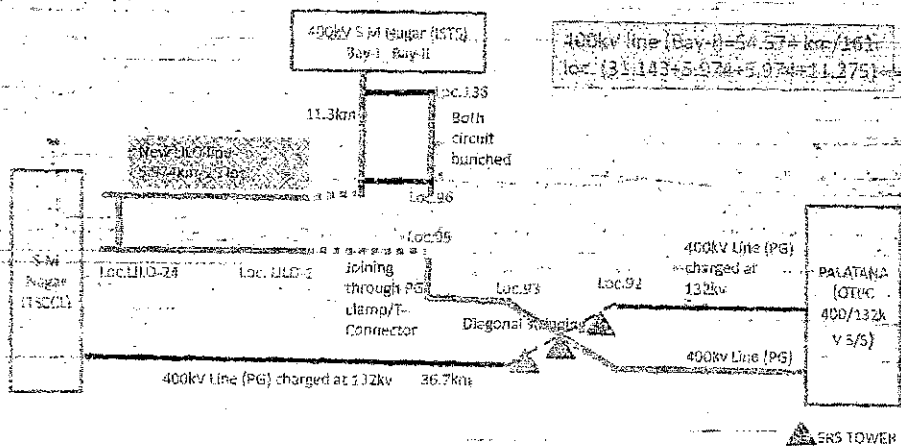
साइट ऑफिस - आरिहताटीलिनकार्यालय, एपीओफिनकेविपरीत, कुजपान, पश्चिम त्रिपुरा-799005, तूर फोन - 0381-2315096
Site Office: Agirtala TLM Office, Opposite to AG Office, Kujaban, West Tripura-799005, Tel: 0381-2315096
केन्द्रीय कार्यालय 'सौदामिनी', एटिनेबरद, सेक्टर-29, गुवागाम-122001, (हरियाणा) दूरभाष 0124-2571700-719
Corporate Office: "Soudamini", Plot No. 2, Sector-29, Gurgaon-122001, (Haryana) Tel.: 0124-2571700-719

पंजीकृत कार्यालय-9, कुतुबवादी, गुवागाम, नई दिल्ली-110 016 दूरभाष 011-26569112, 26569121, 26569113, 26564892, CN-41010102989001628121
Registered Office: 9, Qutab Institutional Area, Katwara Sarai, New Delhi-110 016, Tel: 011-26569112, 26569121, 26564892, 26564892, CN-41010102989001628121
Website: www.powergridindia.com

0002622002/PCD



भारत विद्युत् प्राधिकरण लिमिटेड
 POWER GRID CORPORATION OF INDIA LIMITED
 (Government of India Enterprise)



- 06. Therefore, it is requested to issue PTCC clearance for additional 11.94 km (i.e. 5.97km-5.97 km) line.
- 07. It is to mention here that POWERGRID shall apply fresh application for PTCC clearance when LILO connectivity will be done with SMNagar (TSECL) S/S after its successful completion.
- 08. This is for your kind information and needful action please.

Thanking You

Yours Faithfully

 (Soumitra Goswami)
 Chief Manager,
 Agartala, Tripura

Copy to:

DET (PTCC) Eastern Region, Inspection and QA Circle, BSNL, Q.A. Bhawan, EP-GP Block, Sector - V, Salt Lake, Kolkata - 700 091

साइट ऑफिस : अगर्ताला टीएम ऑफिस, एजीआर ऑफिस के विपरीत, कुलिया, पश्चिम बंगाल-799005, दूरभाष :- 0381-2315096
 Site Office: Agartala TLM Office, Opposite to AG Office, Kuliaban, West Tripura-799005, Tel: 0381-2315096
 केन्द्रीय कार्यालय 'सौदामिनी', प्लॉट नं. 2, सेक्टर-29, गुरुग्राम-122001, (हरियाणा) दूरभाष (0124-2571700-719)
 Corporate Office: "Saudamini", Plot No. 2, Sector-29, Gurugram-122001, (Haryana) Tel.: 0124-2571700-719
 पंजीकृत कार्यालय सी-9, कुमुद संवर्धन क्षेत्र, कटवा रियल एस्टेट, नई दिल्ली-110 026, दूरभाष: 011-26590112, 26560121, 26561812, 26564992, CIN L40101DL2809002008123
 Registered Office: C-9, Kumbh Sanvahan Area, Katwa Real Estate, New Delhi-110 026, Tel: 011 26590112, 26560121, 26564812, 26564992, CIN-L40101DL2809002008123
 Website: www.powergridindia.com



NERPC Complex, Durgam Chattri, Laxmi Nagar, New Delhi - 110024

Phone No. 011-26102000
Fax No. 011-26102001
Website: www.nerpc.nic.in

No. NERPC/OP/Committee/2022/497-571

Date: April 12, 2023

To,

1. Hon'ble Dy. Chief Minister & In-charge of Power, Govt. of Arunachal Pradesh, Itanagar - 791 111
2. Hon'ble Dy. Chief Minister & In-charge of Power, Govt. of Meghalaya, Shillong - 793001
3. Hon'ble Dy. Chief Minister & In-charge of Power, Govt. of Tripura, Agartala - 792001
4. Hon'ble Minister of Power, Govt. of Assam, Dispur - 781006
5. Hon'ble Minister of Power, Govt. of Manipur, Imphal - 795001
6. Hon'ble Minister of Power, Govt. of Mizoram, Aizawl - 796001
7. Member (CO&D), CEA, Seva Bhawan, R. K. Puram, New Delhi - 110 066
8. Commissioner (Power), Govt. of Arunachal Pradesh, Itanagar - 791 111
9. Principal Secretary (Power), Govt. of Assam, Dispur, Gauhati - 781 006
10. Commissioner & Secretary (Power), Govt. of Manipur, Imphal - 795001
11. Principal Secretary (Power), Govt. of Meghalaya, Shillong - 793001
12. Commissioner & Secretary (Power), Govt. of Mizoram, Aizawl - 796001
13. Principal Secretary (Power), Govt. of Nagaland, Kohima - 797001
14. Secretary (Power), Govt. of Tripura, Agartala - 799001
15. Chairman, APDCL/AECL/APDCL, Biju Bhawan, Patna Bazar, Guwahati - 781 001
16. Chairman & Managing Director, MeeCL, Laxmi Bhabha, S. K. Road, Shillong - 793 001
17. Chairman & Managing Director, TSECL, Agartala - 799001
18. Chairman & Managing Director, NERPCO Ltd., Lower New Colony, Shillong - 793 003
19. Director (Finance), NTPC Ltd., NTPC Bhawan, Scope Complex, Sector-53, Faridabad - 121 003
20. Director (Cont.), NTPC Ltd., NTPC Bhawan, Scope Complex, Institutional Area, Lodhi Road - 03
21. Managing Director, OTPC, 6th Floor, A-Wing, IFCI Tower - 61, Nehru Place, New Delhi - 110019
22. Director (Operation), POWERGRID, Sandamini, Plot No 2, Sector-29, Gurgaon, Haryana - 122 001
23. CEO, NVVNL, Core 5, 3rd Floor, Scope Complex, 7 Institutional Area, Lodhi Road, New Delhi - 03
24. Director (Marketing & BD), PFC, NBCC Tower, 15 Bhikaji Cama, Place, New Delhi - 110066
25. Managing Director, APDCL, Biju Bhawan, Patna Bazar, Guwahati - 781 001
26. Managing Director, AECL, Biju Bhawan, Patna Bazar, Guwahati - 781 001
27. Managing Director, AECCL, Biju Bhawan, Patna Bazar, Guwahati - 781 001
28. COO, UTHL, Plot No.2, sector-29, Gurgaon, Haryana - 122001
29. CMD, NLDC, B/9, Qutab Institutional Area, Katyaria Sarai, New Delhi - 16
30. ED, NERLDC, Durgach-Lower Nongrah, Laxmi Nagar, Shillong - 793006

Snb: Minutes of 22nd TCC & 22nd NER Power Committee Meetings held at Guwahati

Sir/Madam,

Please find enclosed herewith the minutes of 22nd TCC Meeting held at "Hotel Radisson Blu", Guwahati on 29th March, 2022 and the 22nd NERPC Meeting held at "Hotel Vivanta", Guwahati, 28th March, 2022 for your kind information and necessary action. The minute is also available on the website of NERPC, www.nerpc.nic.in.

Encl: As above

(Signature)

श्री. सिंगहाई / B. Singhai
उपस्थ सचिव / Member Secretary

Copy to:

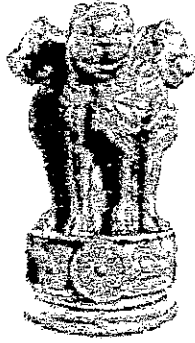
1. PS to Chairman, NERPC and Hon'ble Chief Minister & In-charge of Power, Govt. of Nagaland, Kohima - (1)
2. PS to TCC Chairman and Chief Engineer (T&A), Dept. of Power, Government of Nagaland, Kohima - (1)

Minutes of 22nd TCC & 22nd NERPC Meeting held on 26th & 28th March, 2022 at Guwahati.

भारत सरकार Government of India

विद्युत मंत्रालय Ministry of Power

उत्तर पूर्वी क्षेत्रीय विद्युत समिति North Eastern Regional Power Committee



RECORD NOTE OF DISCUSSION

OF

22ND TCC MEETING

&

22ND NERPC MEETING

(UNDER THE AEGIS OF NEEPCO LTD)

-- Venue: Hotel Radisson Blu, Guwahati

Date (TCC): 26th March, 2022

Venue: Hotel Vivanta, Guwahati

Date (NERPC): 28th March, 2022

Minutes of 22nd TCC & 22nd NERPC Meeting held on 26th & 28th March, 2022 at Guwahati.

**RECORD NOTES OF DISCUSSION
OF
22ND TCC & 22ND NERPC MEETINGS**

III CONFIRMATION OF THE MINUTES OF 21ST TCC MEETING & 21ST NERPC MEETING

The minutes of the 21st TCC & 21st North Eastern Regional Power Committee (NER Power Committee) meetings held on 4th February, 2021 at Kohima were circulated vide letter no. NERPC/OP/Committee/2021/5346-5419 dated 15th March, 2021.

TSECL vide letter dated. 07th April 2021 has submitted comments/observations as follows:

ITEM NO. B.06: APPROVAL OF SCHEMES APPROVED IN THE 1ST AND 2ND NERPC TFC - NERTS

A. By POWERGRID under RTM

- (iv) North Eastern Region Strengthening Scheme - XIV (NERSS-XIV)
- i. LILO of Palatana - Surajmaninagar (ISTS) 400kV D/c line at 400/132kV Surajmaninagar (TSECL) S/S
 - ii. 4 no. of 400kV line bays at Surajmaninagar (TSECL) S/S for termination of above LILO

Deliberation of TCC

"The proposals have not been agreed by TSECL and hence referred back by TCC to NERPC -TP for deliberation."

Comments of TSECL

- i) Up-gradation work of Surajmaninagar 400 KV sub-station (TSECL) has already been awarded by TSECL on 11th January, 2021 with completion period of 12 months. PowerGrid may expedite 400 KV LILO line work of Palatana - Surajmaninagar (ISTS) 400kV D/c line at 400/132kV Surajmaninagar Sub-station (TSECL).
- ii) In line with letter No. 12/18/2017-Trans, dated 19.08.19 of Ministry of Power, Govt. of India communicated to the Ministry of DoNER, Govt. of India, 2 (two)

B002020023PCD

Minutes of 22nd TCC & 22nd NERPC Meeting held on 26th & 28th March, 2022 at Guwahati

No. 400-KV line bays at Surjamaninagar sub-station (TSECL) and 2 (two) No. 400 KV line bays at Surjamaninagar (ISTS) sub-station are envisaged under the scope of ISTS.

TSECL will be constructing 2(two) no. 400 KV line bays within the Up-gradation Scope under NESIDS for Palatana Loop-in at Surjamaninagar 400 KV sub-station (TSECL). Scope of Up-gradation of Surjamaninagar sub-station (TSECL) has already been communicated by TSECL to CEA and PowerGrid (CTU) on dated 10th December, 2019.

For Palatana Loop-out, only 2(two) no. 400 KV line bays will be required under ISTS scope at Surjamaninagar 400 KV sub-station (TSECL). Requirement of 4(four) nos. 400 KV line bays at Surjamaninagar 400 KV sub-station (TSECL) under ISTS scope may be reviewed.

2. ITEM NO. B.06: APPROVAL OF SCHEMES APPROVED IN THE 1ST AND 2ND NERPCTP - NERTS

B. TECE

- i) Following ISTS schemes were approved in the 2nd meeting of North Eastern Regional Power Committee (Transmission Planning) held on 25.09.2020 through Video Conference. Such schemes requiring approval of TCC & NERPC are given below:
 - ii) Shifting of Surajmaninagar (TSECL) - Comilla (Bangladesh) 400kV cross border link to Surajmaninagar (ISTS)
 - i) Shifting of Surajmaninagar (TSECL) - Comilla (Bangladesh) 400kV D/c (operated at 132kV) line to Surajmaninagar (ISTS) and operation as Surajmaninagar (ISTS) - Comilla (Bangladesh) 400kV D/c (operated at 132kV) line.
 - ii) 2 no. 132kV line bays at Surajmaninagar (ISTS) 400/132kV S/s for termination of Surajmaninagar (ISTS) - Comilla (Bangladesh) 400kV D/c (operated at 132kV) line.

Deliberation of TCC:

The proposals have not been agreed by TSECL and hence referred back by TCC to NERPC -TP for deliberation.

0602620023PCD

*Minutes of 22nd TCC & 22nd NERPC Meeting held on 26th & 28th March, 2022 at Guwahati***Comments of TSECL**

Bangladesh has affirmed to draw power only at 132 KV and the extension of link between Comilla and Surjamaninagar sub-station (TSECL) to Surjamaninagar 400/132 KV substation (ISTS) will entail an additional cost which can be saved by retaining the present transmission configuration between Surjamaninagar sub-station (TSECL) and Comilla. Government of Tripura has already taken up the above issue with the Ministry of Power, Govt. of India, which is awaiting decision.

Surjamaninagar 400 KV sub-station (TSECL) will be connected with 400 KV transmission line from Palatana for both drawal and dispatch of power. Moreover, major Generating plants in the State periphery will be all connected at Surjamaninagar 400 KV sub-station (TSECL). As such, cross border power supply to Bangladesh can be maintained reliably and more efficiently from Surjamaninagar 400 KV sub-station (TSECL) rather than from Surjamaninagar sub-station (ISTS).

From operational point of view, power supply to Bangladesh is always being maintained by TSECL in co-ordination with NERLDC.

Bangladesh power supply from Tripura was made through strong persuasions and initiations by the State Government. Thus, future power supply to Bangladesh cannot be considered exclusively on commercial venture, rather, it has to be managed with common understanding on account of technical, economic and social relation with Bangladesh.

Moreover, Tripura has always maintained its commitment of power supply to Bangladesh. Government of Tripura has already proposed to the Ministry of Power, Govt. of India to extend Power Supply Agreement for sale of power to Bangladesh for a further period of five years, which is under active consideration by Ministry of Power, Govt. of India.

Ministry of Power, GoI has already taken a meeting on 22nd Dec, 2020 on the issue where Tripura has given all justifications in support of retention of Surajmaninagar (TSECL) - Comilla line at Surjamaninagar sub-station (TSECL).

Tripura is therefore urging again for consideration of retention of Surajmaninagar (TSECL) - Comilla line at Surjamaninagar sub-station (TSECL).

Minutes of 22nd TCC & 22nd NERPC Meeting held on 25th & 28th March, 2022 at Guwahati

3. ITEM NO. B.07: APPROVAL OF SCHEMES APPROVED IN THE 1ST NERPCTP - NERPC

- i) N. Shifting of Palatana - Surjamaninagar (TSECL) 400kV D/c-line (operated at 132kV) to the 400/132kV ISTS S/s at Surjamaninagar - implementation by POWERGRID (by NORTH EASTERN REGIONAL POWER COMMITTEE 30 July 2020) as already allocated to them by MoP, -Goi was approved in the 1st NERPCTP meeting. The same is put up for TCC/RPC approval.

Deliberation of TCC:

TCC noted and recommended for approval of RPC.

Deliberation of RPC:

RPC noted and approved the recommendation of TCC.

Comments of TSECL:

There will be a time-lag between the commissioning of Surjamaninagar 400 KV sub-station (ISTS) and Surjamaninagar 400 KV sub-station (TSECL). During this interim period, on disconnection of Palatana Surjamaninagar (TSECL) link (presently charged at 132 KV), Tripura system stability will be highly affected.

It was proposed by Tripura that single circuit 400 KV link of Palatana - Surjamaninagar (charged at 132 KV) should be continued till the completion of Surjamaninagar 400 KV substation (TSECL). The second circuit of double circuit Palatana - Surjamaninagar line may be extended to Surjamaninagar (ISTS) 400 KV sub-station. In this arrangement, power from Palatana can be evacuated both through Surjamaninagar (TSECL) and Surjamaninagar (ISTS) sub-stations until completion of up-gradation works of Surjamaninagar sub-station (TSECL) into 400 KV.

NERLDC, POSOCO has conducted system study considering normal loading pattern and with N-1 and N - 2 contingency conditions during the interim period with disconnection of Palatana - Surjamaninagar 400 KV double circuit from Surjamaninagar 132 KV sub-station (TSECL) and the study also suggests that the disconnection of Palatana - Surjamaninagar 400 KV double circuit line (presently operated at 132 KV) from Surjamaninagar 132 KV substation (TSECL) will lead Tripura system to be vulnerable and highly insecure to run.

Minutes of 22nd TCC & 22nd NERPC Meeting held on 26th & 28th March, 2022 at Guwahati

Government of Tripura has already taken up with Ministry of Power, Govt. of India for Palatana to remain connected with Surjamaninagar sub-station (TSECL), Tripura during the interim period between the commissioning of Surjamaninagar 400 KV sub-station (ISTS) and Surjamaninagar 400 KV sub-station (TSECL) to avoid vulnerability of Tripura Power System.

MoP, GoI has already taken a meeting on 22nd Dec, 2020 on the issue where Tripura has requested for retention of Palatana with Surjamaninagar (TSECL) sub-station during interim period of commissioning of Surjamaninagar 400 KV sub-station (ISTS) and Surjamaninagar 400 KV sub-station (TSECL) which will affect Tripura Power System severely.

It may kindly be noted that the State Government has been intimated by the Ministry of Power, Govt. of India vide letter dated 22nd February, 2021 that the proposal of TSECL has been referred to the National Committee on Transmission (NCT) for consideration and giving its recommendation to the Ministry of Power, Govt. of India.

Tripura is therefore urging again for consideration of Palatana 132 KV connectivity retention at Surjamaninagar sub-station (TSECL) until its up-gradation to 400 KV.

Deliberation of the TCC

GM, TSECL informed the forum that Status of Surjamaninagar (TSECL) 400/132 KV sub-station is that Board of Directors (BOD) of TSECL has decided to drop the proposal for Up-gradation of 132 KV Surjamaninagar sub-station into 400 KV. It was also decided by the BOD, TSECL that the said work can be taken up by the proposed JV company between TSECL/ Govt. of Tripura and PowerGrid in any case based on the operational requirement.

JV formation will take around 6-8 months.

CGM(AM), NERTS informed that for Upgradation of 132kV Palatana - Surjamaninagar to 400kV and termination at Surjamaninagar(ISTS) 21 out of 25 foundation, 19 out of 25 erection, 3 ERS used, the entire scope of work i.e. Upgradation to 400kV and L.L.O. of D/C line at 400kV Surjamaninagar(TSECL) has to be completed at the earliest.

Minutes of 22nd TCC & 22nd NERPC Meeting held on 26th & 28th March, 2022 at Guwahati

Sr.GM(SO-II), NERLDC informed that due to the present arrangement during peak hours flow in 132kV Surjamaninagar(ISTS) - Surjamaninagar(TSECL) exceeds 95MW during peak hours while the line capacity is 75MW.

Dy. COO, CTU opined that the delay in completion of 400kV Surjamaninagar(TSECL) has resulted in non-completion of upgradation of 132kV Palatana - Surjamaninagar to 400kV. He suggested the following alternatives:

Alternative 1:

- Complete upgradation of 132kV Palatana - Surjamaninagar to 400kV and termination at Surjamaninagar(ISTS) with removal of scope of LILO at 400kV Surjamaninagar(TSECL)
- HTLS upgradation of 132kV Surjamaninagar(ISTS) - Surjamaninagar(TSECL)
- For N-1 of 132kV Surjamaninagar - Surjamaninagar construction of second circuit of 132kV Surjamaninagar - Surjamaninagar with HTLS by TSECL

Alternative 2:

- Complete upgradation of 132kV Palatana - Surjamaninagar to 400kV and termination at Surjamaninagar(ISTS) with removal of scope of LILO at 400kV Surjamaninagar
- HTLS upgradation of 132kV Surjamaninagar(ISTS) - Surjamaninagar(TSECL)
- For N-1 of 132kV Surjamaninagar - Surjamaninagar, LILO of 132kV (2nd) Surjamaninagar(TSECL) - Bodhjungnagar(TSECL) at Surjamaninagar(ISTS) with HTLS upgradation of Surjamaninagar(ISTS) - Surjamaninagar(TSECL)

After detailed deliberation the forum decided the following:

- a. (The scope of LILO of 400kV Palatana - Surjamaninagar(ISTS) at Surjamaninagar(TSECL) by POWERGRID under RTM to be deleted upon confirmation of dropping of 400kV upgradation of Surjamaninagar(TSECL) by Tripura. However, tariff for this work as admissible shall be provided to POWERGRID.
- b. HTLS upgradation of 132kV Surjamaninagar(ISTS) - Surjamaninagar(TSECL) to be expedited by TSECL.
- c. TSECL to select one of the suggested alternatives i.e. additional circuit of 132kV Surjamaninagar - Surjamaninagar OR LILO of 132kV (2nd)

Minutes of 22nd TCC & 22nd NERPC Meeting held on 26th & 28th March, 2022 at Guwahati

Surjamaninagar(TSECL) - Bodhjungnagar(TSECL) at Surjamaninagar(ISTS) with HTLS upgradation of Surjamaninagar(ISTS) - Surjamaninagar(TSECL) and revert back at the earliest to NERPC.

Regarding diversion of Bangladesh power supply to Surjamaninagar(ISTS) the forum noted that as power supply from Tripura to Bangladesh has been extended upto 2026, Bangladesh interconnection will remain connected from Surajmaninagar (TSECL) and shifting proposal may be dropped.

TCC noted and referred to RPC.

Deliberation of the RPC

Hon'ble Dy. Chief Minister, Tripura stated that the Upgradation of 132kV Surjamaninagar(TSECL) to 400kV will be awarded by JV company being set up with POWERGRID and JV formation will take around 6-8 months. He requested the forum to allow Tripura for the same.

Member Secretary, NERPC stated that the scope of LILO of 400kV Palatana - Surjamaninagar(ISTS) at Surjamaninagar(TSECL) by POWERGRID under RTM to be dropped for the time being, however, the tariff for upgradation work (undertaken in NERSS XIV) of 132kV Palatana - Surjamaninagar to 400kV and termination at Surjamaninagar(ISTS) shall be allowed to POWERGRID as admissible. Further, he mentioned that power supply to Bangladesh may be continued from Surjamaninagar(TSECL) till 2026 as decided in the 22nd TCC Meeting. Regarding upgradation of 400kV Surajmaninagar(TSECL) by Tripura, he sought the view of the forum.

After detailed deliberation, Hon'ble Chairman, NERPC stated that since Tripura will upgrade the existing 132kV Surjamaninagar S/S to 400kV after JV formation, the same may be kept in abeyance and review in next TCC/NERPC Meeting.

The RPC confirmed the minutes of 21st NERPC meeting with above modifications as no other comments or observations were received from any constituents.



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

Case No.: TRI-04 :	dt-25/03/21
PTCC proposal of 400 kV Double Circuit ACSR Moose Conductor Palatana to Surajmaninagar (ISTS) transmission line.	

Reference:		
S. No.	Reference No.	Dated
(i)	PGCIL: NEAGT/TL O&M/Conc./PTCC/2020-21/245	04.02.2021
(ii)	BSNL: DE/PTCC/EML060120212880/02	15.03.2021
(iii)	Northeast Frontier Railway: N/146/2/10/Pt. V(TC)	15.03.2021
(iv)	PGCIL: NEAGT/TL O&M/Conc./PTCC/2020-21/307	15.03.2021

The PTCC proposal submitted vide reference (i) has been examined. BSNL vide reference (ii) has conveyed NOC as no parallel UG cables lies within 8 km of the proposed power line. Northeast Frontier Railway vide above reference (iii) has issued No objection as no crossing/parallelism with Railway Communication line within 8 km on either side of the proposed power line. Hence, IV calculation for BSNL and Northeast Frontier Railway is not required.

Telecommunication details from the Defense Authority are pending. Vide reference (iv) above, the power authority has shown urgency for the charging of the proposed power line. Taking above into consideration, necessary action regarding issuance of provisional PTCC route approval for 400 kV Double Circuit ACSR Moose Conductor Palatana to Surajmaninagar (ISTS) transmission line may be taken.

Digitally signed by RAGJENDRA PRATAP
SINGH
Date: 2021.03.25 12:42:18 IST

Director

To,

1.	Divisional Engineer (PTCC), Eastern Region, Inspection & QA	BSNL, Q.A. Bhawan, EP-GP Block, Sector-V, Salt Lake, Kolkata - 700091.	
2.	Chief Manager, Agartala	PGCIL, Prantik (Ground Floor) T/L O&M Office, Rear of Raj Bhawan, P.O. Abhoy Nagar, Agartala-799005.	Copy for information

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