

# North Eastern Regional Power Committee

## Agenda

### For

### 21<sup>st</sup> NETeST Sub-Committee Meeting

Time of meeting : 10:30 Hrs.

Date of meeting : 25<sup>th</sup> November, 2021 (Thursday)

Venue : "Hotel Nandan", Guwahati.

#### **A. CONFIRMATION OF MINUTES**

##### **CONFIRMATION OF MINUTES OF 20<sup>th</sup> NETeST Meeting held on 20.04.2021.**

The minutes of 20<sup>th</sup> NETeST Meeting held on 20<sup>th</sup> April, 2021 at Shillong were circulated by NERPC vide letter No. NERPC/SE(O)/TeST/2021/1041-1077 dated 17<sup>th</sup> May, 2021.

*The Sub-committee may confirm the minutes of 20<sup>th</sup> NETeST meeting of NERPC as no comments/observations were received from the constituents.*

#### **ITEMS FOR DISCUSSION**

##### **A.1 Status of FO works under different projects:**

Latest status of various FO Project in NER:

Project		No. of Links/Nodes	Status
ULDC Upgradation		17	All nodes completed.
MW Vacation		12	All links completed.
NER FO Expansion	Central Sector	16	12 Completed. 4 Pending.
	Manipur	11	10 Completed. 1 Pending
	Meghalaya	4	3 Completed. 1 Pending
	Mizoram	1	1 Completed.
	Nagaland	3	3 Completed.
	Tripura	12	10 Completed. 2 Pending

The status of NER FO Expansion project as given in 20<sup>th</sup> NETeST meeting:

States	Current Status	Comments/ Issues
Central Sector	400kV Bongaigaon (PG) - 220kV Salakati - 220kV BTPS	Work started along Silchar-Pilatana Line. Work was halted due to ROW issue at location 234/1, 237/0 and 238/1. Target completion is <b>June, 2021</b> for Silchar –Palatana and Pare- Chimpu line.  For rest target completion is <b>July, 2021</b> .
	400kV Mirza (Azara) – Byrnihat	
	400kV Silchar – Palatana	
	132kV Pare – Chimpu	
Manipur	132kV Imphal (State) – Karong	MSPCL representative informed that line will be completed within three (03) months.  NERTS informed the forum that 20kms. of link is already completed. The line is still under construction/diversion by MSPCL-Transmission. NERTS informed that if MSPCL can complete the line within three (03) months of period, then only M/s TCIL will be able to work on the link else NERTS may have to short-close the project (as the project is getting completed).  <b>MSPCL has raised objection against short-closing of project.</b> If the project is short closed OPGW connectivity will not be able to come up in those lines.
Mizoram	Aizawl – Zemabawk I	<b>Completed.</b>
Meghalaya	132kV Nehu - Neigreims	TCIL to start work after completion of work at Pare-Chimpu line. <b>Target: June 2021.</b>
Nagaland	132kV Doyang- Sanis Target: Feb/March 2021.	Completed on 10.04.2021.
Tripura	132kV Rokhia - Surjamani Nagar	Tripura informed the forum that the line is under construction and will be completed by August-2021.  NERTS informed that if TSECL can complete the line within three (03) months of period, then only M/s TCIL will be able to work on the link else NERTS may have to short-close the project (as the project is getting completed).  <b>TSECL has raised objection against short-closing of</b>
	132kV Surjamani Nagar - Monarchak (NEEPCO)	

		<b>project.</b> If the project is short closed OPGW connectivity will not be able to come up in those lines.
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***Members may please discuss.***

#### **A.2 Status and details of Fiber Optic projects approved in 17th TCC/RPC meeting:**

Status as per 20<sup>th</sup> NETeST meeting

- a) **Additional Communication Scheme:** NERTS informed the forum that stringing works of 400kV Balipara–Kameng link has been completed. There is delay of supply of material by M/s SDGI (China-based Company) due to COVID-19 and other reasons. **Target: December, 2021** (All links).
- b) **Reliable Communication Scheme:** NERTS informed the forum that due to no bids received in initial tendering, the re-tendering was done. The technical evaluation is under progress. LOA will be placed by June-2021.

***NERTS may please intimate the status.***

#### **A.3 Status of implementation of U-NMS in NER:**

In the 20<sup>th</sup> NETeST meeting, NERTS informed the forum that technical evaluation of the bid is in progress which will be completed by June-2021 due to complexity of the contract involving integration of different systems. The award of works can be expected by end of July-2021.

***NERTS may please intimate the latest status.***

#### **A.4 Status of URTDSM**

The status on various issues related to URTDSM and other PMU related matters needs to be updated to the forum as listed below:

**ASSAM:** Agia PMU is not reporting correct value.

**NERTS :**

NERTS informed the forum that the development of the pending analytical application software has been completed by IIT-Bombay recently but due to prevailing COVID-19 pandemic conditions, the same has not been deployed at WRLDC, Mumbai.

The prototype of application will be deployed at WRLDC, Mumbai as and when pandemic conditions get normalized. Completion by June-2021.

***AEGCL and NERTS may please intimate the latest status.***

#### **A.5 Automatic Generation Control (AGC) in Indian Grid:**

NERLDC informed the forum that as per the CERC order on AGC, all the ISTS stations need to get connected with NLDC for receiving AGC signals. The status is as follows:

Sl. No.	Station Name	Status as in 20 <sup>th</sup> NETeST
1.	BgTPP (Unit #2)	Letter of Award has been issued to M/s Siemens but material is yet to be delivered at site.
2.	AGBPP	NEEPCO informed the forum that OEM (Joint-Venture of GE and BHEL) has quoted very huge amount for necessary modifications in the plant's controllers. Thus, NEEPCO is planning for negotiation with OEM and will be able to update in next NETeST meeting regarding it.

*All Constituents may please intimate the status.*

#### **A.6 Status of RGMO to the Load Dispatch Centers:**

The status is as follows:

	Station Name	RGMO / FGMO Status
1.	<b>Khandong (2 units)</b>	Completed.
2.	<b>Kopili Extension (1 unit)</b>	Target date: <b>March, 2021.</b>
3.	<b>Ranganadi (3 units)</b>	NEEPCO is requesting GE for site survey for implementation but GE is not able to visit due to COVID-19 pandemic situations. The Forum suggested exploring the possibility to expedite the work remotely as done in Kameng station.
4.	<b>DHEP</b>	Letter of Award has been placed but OEM is not able to visit site due to COVID-19 pandemic situations.
6.	<b>OTPC (4 units)</b>	Target date: <b>October, 2021.</b> (Delay due to COVID-19)
7.	<b>BgTPP (3 units)</b>	For unit 1 & 3 status is going to NLDC. NTPC informed that FGMO/RGMO status will be provided in next SCADA system upgradation project. Will update in Next NETeST meeting.

The NERLDC will share Input-Output (I/O) list related to RGMO and FGMO points to all power as and when the utilities are ready to provide the status.

*Members may please discuss.*

#### **A.7 Project status of NERPSIP and Arunachal Pradesh Comprehensive Scheme being implemented by PGCIL.**

POWERGRID is implementing two numbers of projects namely:

- a. **Northeastern Region Power System Improvement Project (NERPSIP)** for Six (6) States (Assam, Manipur, Meghalaya, Mizoram, Tripura, and Nagaland) for strengthening of the Intra-State Transmission and Distribution Systems
- b. **Comprehensive Scheme for strengthening of Transmission & Distribution in Arunachal Pradesh**

***POWERGRID may please present the detailed status of the projects.***

#### **A.8 Telemetry status of Fixed Series Compensators (FSC) equipment in stations of NER**

Two number of FSCs are installed at 400 kV Balipara substation, the telemetry data of the same are not available at NERLDC. Thus, NERLDC grid operators are not able to monitor operation status of FSCs. POWERGRID may update the progress on the providing respective telemetry.

***NERTS may please intimate the status.***

### **B. NEW ITEMS**

#### **B.1 Upgradation Activities of SCADA-EMS systems at Regional/State level in North Eastern Region:**

A MoU related to free-of-cost consultancy with a detailed responsibility matrix was circulated in 19th and 20th NETeST meeting under which it was proposed that all SLDCs and NERLDC can upgrade in a unified manner to get benefits of seamless integration, joint capacity building and economies of scale in terms of cost implications.

It was agreed in-principle to sign the draft MoU and corresponding funding through PSDF by routing the DPR through TCC/NERPC meeting. As present the status of signing of MoUs is mentioned in table below.

<b>S N</b>	<b>States</b>	<b>Remarks</b>
1.	Arunachal Pradesh	Under administrative approval process in Secretariat office.
2.	Assam	Under administrative approval process in MD office.
3.	Manipur	Under internal discussion between SLDC and Senior Management.
4.	Meghalaya	Signed on 28th October 2021. Draft technical specifications submitted by CC-Engg. Dept of POSOCO for suggestions/ inputs.
5.	Mizoram	Signed on 01st November 2021. Draft technical specifications submitted by CC-Engg. Dept of POSOCO for suggestions/ inputs.
6.	Nagaland	Under internal discussion between SLDC and Senior Management.
7.	Tripura	Under administrative approval process in MD office.

All SLDCs are requested to put up the matter of MoU signing on priority so that other technical

activities can be started at the earliest. A draft DPR prepared for PSDF funding is attached as **Annexure-B.1** for placing it in next TCC/NERPC meeting for approval

*Members may please discuss.*

### **B.2 Establishment of VSAT Communication in selected remote locations for state-utilities in North-Eastern region:**

As per deliberations against Agenda Item B.6 in MoM of 17th NETeST meeting it was mentioned that NERPC and NERLDC will sit together for cost analysis and explore the possibility of PSDF funding. After successful pilot projects in Tezu (Arunachal Pradesh) and Killing (Meghalaya), it was proved that the VSAT will function in extreme climatic conditions and hilly terrain areas of NER if Extended-C band is used.

In view of above, a draft Detailed Project Report (DPR) was prepared and circulated amongst all state-utilities and necessary inputs were taken and incorporated in it; subsequently a budgetary quotation was collected for 129 nos. of remote locations in NER and 7 SLDCs. The DPR along with budgetary quotation is attached as **Annexure-B.2** for kind consideration of NERPC.

No. of locations on state-wise basis are mentioned below.

- **Meghalaya:** 6 stations.
- **Manipur:** 8 stations
- **Mizoram:** 17 stations
- **Arunachal Pradesh:** 14 stations.
- **Nagaland:** 51 stations.
- **Assam:** 18 stations.
- **Tripura:** 15 stations.

*Members may please discuss.*

### **B.3 Deployment of new Remote Terminal Units (RTUs) in selected substations of NER.**

On request of state-utilities related to RTUs, a draft DPR (**Annexure B.3**) with technical specifications has been prepared by NERLDC which may be put up for PSDF funding (after taking inputs from SLDCs). A total of 112 locations have been identified by state-utilities for it with break-up as mentioned below:

- **Meghalaya:** 5 stations (incl. 2 spares).
- **Manipur:** 3 stations
- **Mizoram:** 14 stations
- **Arunachal Pradesh:** 15 stations.
- **Nagaland:** 42 stations.
- **Assam:** 33 stations.
- **Tripura:** Nil.

SLDCs are requested to provide inputs such as requirements of MDEM, OLTC Transducers, Analog/Digital Cards, Multifunction transducers, Time Synchronization Units, DC to AC Convertors, etc. so that the quantity in BoQ can be finalized and budgetary quotation can be taken on the basis of it.

*Members may please discuss.*

#### **B.4 Strengthening of PLCC System by NER States:**

The summary of discussion is mentioned below:

<b>S N</b>	<b>States</b>	<b>Status as per 20<sup>th</sup> NETeST meeting</b>
1.	Meghalaya	Commissioning activities are in progress except for Umiam Stage 2, Leshka and Khleriat. Meghalaya informed that FSX card are not part of project, thus voice integration between stations and SLDC is not possible. However, MePTCL will discuss with higher management for the amendment of project to procure FSX card.
2.	Tripura	NERPC conveyed that TSECL has not submitted any DPR for PSDF funding yet as requested in earlier NETeST meetings also. TSECL was requested again for submitting the DPR at the earliest. TSECL agreed to submit the DPR before next NETeST meeting.
3.	Manipur	MSPCL stated that it will discuss with higher authorities of MSPCL in their upcoming meeting scheduled on 26th April 2021 and will update the forum.
4.	Nagaland	Nagaland informed the forum that PLCC projects of all 132 kV sub-stations in Nagaland are completed on 12th April 2021. Nagaland further informed that it is proposing for fiber optics in 66kV sub-stations also for which details may be shared in next NETeST meeting. Necessary modification can be suggested to DoP, Nagaland.

***Members may please discuss.***

#### **B.5 Testing of Primary Frequency Response of generators as per IEGC Clause 5.2(g):**

Please find the copy of communication from Executive Director(NLDC)-POSOCO to Hon'ble Commission on subject " Testing of Primary Frequency Response of generators as per IEGC Clause 5.2(g)" dated 12th Nov 2021 in **Annexure B.5**.

***Members may please discuss.***

#### **B.6 Length of OPGW in transmission system in NER:**

NITI Aayog has requested to provide list of Indian companies using Optical ground wire (OPGW) network for transmission & communication and their OPGW network in KM in India on urgent basis.

<b>Name of the Utility</b>	<b>Length of OPGW commissioned (ckt length in km)</b>	<b>Length of OPGW under laying (ckt length in km)</b>
PGCIL		
NEEPCO		

NHPC		
Indigrd		
NETC		
OTPC		
NTPC		
Arunachal Pradesh		
Assam		
Manipur		
Meghalaya		
Mizoram		
Nagaland		
Tripura		

*Members may please discuss.*

#### **B.7 Allocation of ULDC Fiber for State Utilities Protection Scheme:**

In the 20<sup>th</sup> NETeST meeting, State-utilities requested that apart from six (06) fibers under ULDC scheme, around four (04) fibers i.e. two (02) pairs may be given to implement protection related schemes of states. NERPC conveyed that feasibility of the same may be explored jointly by NERTS and respective state-utilities and updated in the next NETeST meeting.

*Members may please discuss.*

#### **B.8 Cyber Security aspects in SCADA/IT systems at Load Despatch Centres in North-Eastern region:**

State-Utilities may update the status with respect to CII Status by NCIIPC, ISO 27001:2013 implementation, VA-PT twice a year, Cyber Crisis Management Plan (CCMP), Cyber Management Team (CMT), patching of vulnerabilities and virus alerts from CERT-In/CERT-GO, etc, participation in various trainings and workshops on Cyber Security being conducted by CEA, Ministry of Power and POSOCO, etc.

A summary of the present status of each SLDC is attached in as **Annexure–B.8**.

*Members may please discuss.*

#### **B.9 GPRS connectivity for substations in SLDC:**

Many stations which are still working on GPRS for real-time data transfer are –

**Tripura:** Dharmanagar, Gamitilla, Rabindranagar, Satchand, Belonia, Bogafa and Amarpur.

**Nagaland:** Nagarjan and Powerhouse

**Mizoram:** Luangmual

As per the Technical Standards for Communication System released in 2020 by CEA, the following major points need to be followed –

- Cellular communication may be used for data acquisition system, where feasibility of access to wideband network is not possible.
- Cellular communication shall be adopted after ensuring the available signal level up to the required strength and dual or more Subscriber Identification Module (SIM) with different service

provider with automatic changeover to ensure 99.5 per cent link availability for interruption free operation of the communication system.

- Router shall be capable of handling Virtual Private Network (VPN) based security by assuming a fixed IP issued by the Multi Wide Area Network Virtual Private Network (WAN VPN) concentrator at the supervisory control and data acquisition (SCADA) end.
- Device shall have capability to decide and act according to the best available link in redundant mode configuration with automatic switch over.
- Design shall be for satisfactory and continuous operation in open environment with operating temperature range of -10 deg. C to 55 deg. C and humidity up to 95 per cent noncondensing.
- Other technical and cyber security compliances

NERLDC request all the SLDCs using GPRS or other cellular communication technologies to submit the compliance report of GPRS technology as per the Communication Standards before 20<sup>th</sup> NETeST meeting.

In the 20<sup>th</sup> NETeST meeting, TSECL submitted to the forum that NERTS was implementing agency of the GPRS projects through M/s PMAS and hence the compliance report may be provided by NERTS itself.

NERTS informed that it will investigate and update the status to the forum in next NETeST meeting.

***All SLDCs and NERTS may please intimate the status.***

**B.10 Selected cases of sub-stations for rectification of corresponding data/communication related issues:**

Utility	Station	Latest Status/ Issues
NEEPCO	Ranganadi-2 <sup>nd</sup> channel	It was decided that second channel for Ranganadi will be provided once 132kV Pare-Chimpu Fiber-Optic link is completed. Also Unit side (LV of GT) data needs to be telemetered from site.
NEEPCO	Doyang	NERLDC submitted to forum that CT upgradation and corresponding changes in RTU should have been carried out simultaneously. Also Unit side (LV of GT) data needs to be telemetered from site.  NEEPCO informed that LOA for correction of RTU and MFTs database has been placed but OEM is not able to visit due to COVID-19 pandemic situations.
OTPC	Palatana	Unit side (LV of GT) data needs to be telemetered. Was to be done in sync with RGMO/FGMO target deadline of October 2021.

***NEEPCO and OTPC may please intimate the status.***

**B.11 VSAT For Roing Tezu Namsai:**

The present status of data availability from above mentioned stations is stated in table below.

Sl. No.	Name of Station	Communication link	Telemetry status
1	Roing	Not healthy, highly intermittent. (only 20% availability of link)	Intermittent due to link issue.
2	Tezu	Healthy	Healthy
3	Namsai	Healthy	Intermittent due to SCADA Gateway software issues at site.

***NERTS may please intimate the status.***

### **B.12 Pending issues of State Utilities of NER:**

The presentation on telemetry status for the month of October-2021 is attached as **Annexure-B.12**. The utility-wise discussion is tabulated below:

SN	Utility	Stations Not Reporting	Latest Status/ Issues
1	Assam	SAS upgradation	AEGCL informed that the project is hampered as OEMs are not showing up at site for commissioning related activities. Assam-SLDC was requested to get prepared on this matter and update in next NETeST meeting.
2	Tripura	Dhalabil,	FO link completed. The RTU data is not reporting.
		Ambassa	PLCC link completed. The RTU data is not reporting. A joint checking will be carried out by TSECL and Indigrd for rectification of the issue.
		Sabroom, Satchand	Island FO link. Needs PLCC to bring data to WB location Udaipur. Satchand is reporting over GPRS.
		13 station not covered by NERFO expansion project	TSECL to submit action plan for remaining 13 stations, as NERPSIP project will take a longer duration to complete.  TSECL submitted to the forum that they will submit their proposed PLCC scheme and other modalities of making remaining stations by 29th January 2021 to NERPC with a copy to NERLDC but the same was not updated.
3	Meghalaya	Procurement of DI card from PSDF.	MePTCL informed the forum that it is waiting for reply form PSDF committee for approval.
5	Manipur	Churachandpur, Kongba and Kakching	After integration of 400kV Thoubal S/s, the SCADA database of the mentioned stations are not reporting to SLDC and NERLDC
		Elangkokpki, 132kV Thoubal,	MSPCL informed the forum that NIT drafting is in progress for procurement of RTUs.

		Thanlon	
		400kV Thoubal	Due to unavailability of UPS supply to SCADA gateway at the site, the real-time data of 400kV Thoubal is not reporting consistently and interrupts in case of failure of main power supply.
6	<b>Nagaland</b>	Melrui	DoP-Nagaland will propose procurement of RTU under PSDF fund.
7	<b>Mizoram</b>	Zuangtui	FO link has been completed, however RTU data is reporting partially.
		Luangmual	GPRS established but not functional.
		Kolasib	RTU is reporting partially.
		Saitual, Khawzawl, Champai, Serchhip, Lunglei	No communication link and RTU available for stations.
8	<b>Ar. Pradesh</b>	VSAT installation	In all eight (08) stations installation is completed, however commissioning is pending. NERLDC submitted to the forum that necessary RTU works should be taken care by DoP-Arunachal with the help of GE for reporting of the data.

***Members may please discuss.***

**B.13 Feasibility to connect Lekhi substation over Fiber-Optic network:**

In the 20th NETeST meeting, NERTS informed that there is delay in supply of material from M/s SDGI and suggested to shift material of Tripura sector links to Lekhi as lines of 132kV SM Nagar–Monarchak and 132kV Rokhia–SM Nagar are still under construction.

***NERTS may please intimate the status.***

**B.14 Wrong status of Isolators and CB status at 132 kV SM Nagar S/s:**

TSECL requested NERTS to rectify the issue of CMR for the 132 kV SM Nagar – Comilla Line 1 and 2; 132 kV Palatana – SM Nagar line in SM Nagar station as the above lines are maintained by NERTS itself. TSECL will rectify the issue of all other bays in coordination with GE. A summary is tabulated below:

Sl. No.	Name of the bay	Status
1.	Comilla Bay - 1	Line Isolator status is wrong.
2.	Comilla Bay - 2	Line Isolator status is wrong.
3.	Palatana Line	Line Isolator status is wrong.
4.	Bus Coupler	CB and Isolator status is reporting wrong value.

5.	SM Nagar (Indigrid) Line	CB and Isolator status is reporting wrong value.
6.	BJ Nagar Line	CB and Isolator status is reporting wrong value.
7.	Agartala Line-1	CB and Isolator status is reporting wrong value.
8.	Agartala Line-2	CB and Isolator status is reporting wrong value.
9.	132/33 kV ICT - 1	CB and Isolator status is not reporting.
10.	132/33 kV ICT - 1	CB and Isolator status is not reporting.

***TSECL and NERTS may update the status.***

#### **B.15 Feasibility to connect Sterlite owned OPGW with ULDC network:**

Under NER Strengthening scheme, Sterlite has constructed following lines along with OPGW:

1. 132 kV R C Nagar – PK Bari (TSECL) D/c: Will provide additional path between Agaratala and PK Bari
2. 400 kV Silchar – Misa D/c: Will provide additional link between south NER and North NER.

Feasibility to connect the above links with existing ULDC network may be explored.

In the 20<sup>th</sup> NETeST meeting, the forum agreed and requested NERTS and Indigrid to explore the possibility of utilization of the link as alternate path.

***NERTS and Indigrid may update the status.***

#### **B.16 Non-reporting of telemetry data of APGCL owned generating stations**

The status of telemetry data of generating stations owned by Assam Power Generation Corporation Limited is summarised in the table given below:

Sl. No.	Name of Generating Station	Status of Telemetry data
1.	LRPP (Lakwa Replacement Power Project)	All digital and analog data associated with units are not reporting.
2.	LTPS (Lakwa Thermal Power Station)	All digital and analog data associated with units are not reporting.
3.	NRPP (Namrup Replacement Power Project)	All digital and analog data associated with GTG are not reporting.
4.	NTPS (Namrup Thermal Power Station)	All digital and analog data associated with units are not reporting.
5.	Langi Hydro Station	All digital data associated with units are not reporting.

APGCL is requested to kindly update on the action plan for restoration of the aforesaid mentioned data.

Further, NERLDC has written letters to APGCL dated 06th July 2021 (**Annexure B.16**) and 30th January 2020 for compliance of MoM between NERDC, APGCL and AEGCL dated 06th September and 07th September 2019.

***APGCL may please intimate the status.***

#### **B.17 OPGW link from RHEP to Pare via state line:**

In view of the straightening of 132kV RHEP-Pare-Lekhi-Nirjuli link the presently established OPGW communication (under MW vacation) between RHEP and Pare will be discontinued. As line differential portion for 132kV RHEP- Pare-2 is established via this link, separate link (State line) has to be provided 132kV RHEP and Pare via state link. So, POWERGRID is requested to de- string OPGW from present 132kV RHEP-Pare-1 (AP-10 to Pare HEP) and string the same for 132kV RHEP -Pare-2. As the terminal equipment are already present same shall continue to be used for new configuration(link). Any additional OPGW and RTU gateway configuration works to be included under NERFO project.

***Members may please discuss.***

**B.18 Diversion of existing PLCC panels at Pare for NDTL line to Lekhi:**

Presently NDTL line is LILO'ed at 132kV Lekhi Sub-station of Arunachal Pradesh. In view of straightening of the line and re-configuration as 132kV Ranganadi-Lekhi-Nirjuli it is recommended that the PLCC panels at Pare HEP be shifted to Lekhi for established of voice,data and speech communication. This is to be included under PGCIL scope as existing line as well as communication is under PGCIL scope.

***Members may please discuss.***

**B.19 Integration of Dikshi HEP real time data and pending Voice communication:**

M/s Devi Energies informed that due to bandwidth and some technical limitations in VSAT link availed by it, the alternate arrangement for PLCC system has been made which will have provision for speech/data/protection. It was mentioned that installation and commissioning of PLCC will be completed by May 2021.

***DoP, AP and M/s Devi Energies Pvt. may please intimate the status.***

**Any other item:**

**Date and Venue of next NETeST:**

It is proposed to hold the 22<sup>nd</sup> NETeST meeting of NERPC on second week of January 2022. The date & exact venue will be intimated in due course.

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