

North Eastern Regional Power Committee

Agenda For

175th OCC Sub-Committee Meeting

Time of meeting : 10:30 Hrs.

Date of meeting : 18th February, 2021 (Thursday)

Venue : "Hotel Nandan", Guwahati.

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| A. CONFIRMATION OF MINUTES |
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CONFIRMATION OF MINUTES OF 174th MEETING OF OPERATION SUB-COMMITTEE OF NERPC.

The minutes of 174th meeting of Operation Sub-committee held on 19th January, 2021 at Shillong were circulated vide letter No. NERPC/SE (O)/OCC/2020/3052-3089 dated 08th February, 2021.

OTPC vide mail dated. 10th February'2021 has requested for the following modifications:

As recorded in item No. C.8

"The forum noted that the shutdown of thermal units is supposed to be in peak hydro periods i.e. August-September as agreed previously in OCC forum. AGM, SLDC, Assam and EE, SLDC, Meghalaya stated load shedding would be required to accommodate the shutdown and the same is not desired at all. Further EE, SLDC, Meghalaya stated that OTPC supplies the base load of Meghalaya in the lean hydro season, whose absence would severely impact power supply to the state.

Sr. Manager, OTPC informed the following:

- a. Shutdown of plants necessitated to maintain safety during pigging activities by ONGC.
- b. The rotor for Block-2 shall be replaced and the existing one shall be sent for testing.
- c. The shutdown shall not be required for another 5 years.

CGM, NERLDC stated that presently power is available aplenty in the market and ATC-TTC is no constraint. After detailed deliberation the forum decided to take up the matter in the next OCC meeting for approval."

Modification sought by OTPC

OTPC shutdown was planned in low demand period declared by NERLDC. SD planning in high demand period will cost OTPC on Loss of availability as per tariff regulation 2019-24.OTPC requested forum High hydro period can declare as low demand period for SD planning of OTPC units.

OTPC Informed the forum major overhaul is not every year phenomena, so long SD of units is come approximately once in five year (year of SD can be deferent for deferent units)

Proposed SD was approved by forum after detailed deliberation.

The Sub-committee may confirm the minutes of 173rd OCCM of NERPC with suitable amendments as no other comments/observations were received from the constituents.

ACTION TAKEN -ITEMS

B.1. ACTION TAKEN:

1. IMPLEMENTATION OF PROJECTS FUNDED FROM PSDF:

The status as informed in 174th OCC:

| State | R&U scheme | ADMS | Capacitor Installation | SAMAST** | Line Differential Protection |
|-------------|--|--|-------------------------------|------------------------|--|
| Ar. Pradesh | Package-I (Diagnostic tools) Utilization certificate to be sent immediately alongwith final 10% requisition. P-II (for PLCC & communication) LOA issued. Requisition for 30% to be sent immediately. P-III (Substation equipment) NIT by Jan'20 Station-wise status to be updated | Work completed. SAT pending. 90% disbursement completed. | - | TESG approval awaited | - |
| Nagaland | All completed except for PLCC package. Delayed due to COVID situation Station-wise status to be updated. | 90% payment disbursed. Requisition to be sent for final 10%. | - | TESG approval awaited | Lines identified. Under DPR preparation stage. |
| Mizoram | Completed. 10% remaining claim to be submitted ASAP. | Final 10% requisition submitted. | To reply to TESG queries. | TESG approval awaited. | Lines identified for installation of DPR viz. 132kV Aizawl - Luangmual and 132kV Kawmzawl - Khawiva. |
| Manipur | Package-II: completed Package-I: WIP | 90% disbursed. Final 10% requisition | LOA issued. Requisition to be | TESG approval awaited. | Lines identified. LDP for 132kV |

Agenda for 175th OCC Meeting to be held on 18th February, 2021

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| | Delayed due to COVID situation Station-wise status to be updated. | to be sent immediately. | sent for first tranche. | | Imphal-Imphal and 132kV Jiribm-Jiribam proposed. Under DPR preparation stage. |
| | 33kV System Integration with SLDC | In tendering stage | | | |
| | Reliable Communications for grid connectivity | In tendering stage | | | |
| Tripura | Work completed. 10% remaining claim to be sent ASAP. Station wise status to be updated. | Requisition to be sent for 20% & 60% immediately | Study results to be submitted alongwith DPR | TESG approval awaited. | Only single line 132kV 79Tilla to Budhjangn agar. DPR to be prepared. |
| Assam | LOA issued. WIP, delayed due to COVID situation Station-wise status to be submitted. | 60% amount to be disbursed. | - | LoA issued | Lines identified. Under DPR preparation stage. |
| Meghalaya | MePTCL Completed in all respects. MePGCL – completed in all respects. | Project complete in all respects. | - | LoA issued. | WIP. Delayed due to COVID situation |

All state utilities are requested to furnish latest status station-wise as per format by first week of every month on regular basis to Member Convener, PSDF Project Monitoring Group (AGM, NLDC, POSOCO) with a copy to NPC & NERPC. The LOAs of R&M Scheme are to be furnished to NERLDC/NERPC regularly.

States may please intimate the latest status.

B.2. OPERATIONAL PERFORMANCE AND GRID DISCIPLINE DURING JANUARY, 2020

NERLDC shall present the operational performance for the month of January,2020.

C. ITEMS FOR DISCUSSION

C.1 Generation Planning (ongoing and planned outages)

- a. Present per day MU and projected number of days of operation.

| Plants | Reservoirs level in meter | MU content | Present DC (in MU) | No of days as per current generation |
|--------------------------|---------------------------|------------|--------------------|---------------------------------------|
| Khandong + Kopili stg II | | | 1.16 | |
| Kopili | | | 0 | Will be “0” until further intimation. |
| Doyang | | | 0.55 | |
| Loktak | | | 2.48 | |

The outage of other generating stations may be approved considering the present water levels in reservoirs and long term outage of Kopili HEP.

The Committee may discuss and approve the proposed shutdown by Generating Stations as given in Annexure – D.2 which is available in NERPC website.

C.2 Outage Planning Transmission elements

It was agreed in the 99th OCC meeting that shutdown will be availed only after approval is given by the OCC forum. It was also agreed that deferment/revision of outages elements other than already approved in OCC will be henceforth put/displayed in the website of NERPC (**under Operational Activities/OCC Approved shutdown**) as per CERC regulations/ CEA guidelines etc for ensuring smooth & secure grid operation.

Furnishing request of shut down of the element, which was approved by NERPC, by Indenting Agency (ISTS licensees/STUs/Generating Companies) to NERLDC:

Planned shutdown approved by NERPC shall be considered for implementation by NERLDC on D-3 basis. If an outage is to be availed on say 10th of the month, the shutdown availing agency would reconfirm to NERLDC on 7th of the month by 10:00 Hr. This practice is necessary to ensure optimal capacity utilization and the time required for associated system study/coordination by/amongst RLDC/NLDC.

It was decided in the previous OCCM that shutdown would be granted from the 1st day of the following calendar month to the 30th/31st day of the same month.

The sub-Committee may kindly discuss and approve the transmission line outages proposed by Constituents for 01st March, 2021 to 31st March, 2021 which is available in the website of NERPC.

C.3 Estimated Transmission Availability Certificate (TAC) for the month of January,2020:

NETC and POWERGRID have submitted the outage data for the month of January, 2020. So the attributability of outage of the said elements may please be finalized.

Members may please discuss.

C.4 Restoration of Assets damaged at Kopili HEP due to failure of Penstock:

As per decisions in previous meeting(s):

(i) Detailed ownership and scope of work finalized in the 168th OCC meeting.

(ii) For permanent restoration NERLDC, NEEPCO, NERTS and NERPC would discuss and send common agenda for deliberation of NERPCTP.

(iii) NEEPCO to submit DPR to CEA.

NERPC may please inform the status.

C.5 Charging of 132kV Sihhmui S/S and related issues:

Decisions as per deliberation in previous meeting(s):

- Present condition of idle charging from Melriat end as anti-theft measure to remain in place.
- Charging of 132kV Sihhmui is essential and this would also enable utilization of 132kV Melriat-Sihhmui D/C. For this both NERTS and P&ED Mizoram to apply for charging clearance from NERLDC for a mutually convenient date at the earliest.
- By Jan'21 both NERTS and P&ED Mizoram would apply for FTC of 132kV Melriat-Sihhmui D/C and 132kV Bus & ICT at Sihhmui respectively
- NERTS to assist P&ED Mizoram for appeal process so that no burden is passed onto the state.

Members may please discuss.

C.6 RGMO analysis for events dated 11th June, 2020

Decisions as per discussions in previous meetings:

- OTPC- Discussions ongoing with OEM for anomaly in unit response.
- NTPC – All three units tuned in July'20.

Members may please discuss.

C.7 Charging of 33kV Khupi-Kimi line at 132kV:

Deliberation of the 173rd OCC meeting:

For 33kV Khupi-Kimi line Joint Inspection comprising of members from NERLDC, NEEPCO, DoP Ar. Pradesh and NERPC would be carried out in Feb'20.

Members may please discuss.

C.8 Review of Automatic Under Frequency Load Shedding Relay Settings in NER:

In the 19th NERPC Meeting held on 28th& 29th Nov'18, it was approved to revise the stages of the operation of UFR from existing frequency band of 49.2 – 48.6 Hz (100MW) to 49.4 – 48.8Hz (170MW) in four stages viz., 49.4 Hz, 49.2 Hz, 49.0 Hz, 48.8 Hz. Also, the issue was deliberated, and constituents agreed for implementation of revised band of frequency and quantum of load shedding during the 148th OCC Meeting. Constituents are requested to update the latest status on the same.

In 174th OCC meeting Director(O&P), NERPC stated that during protection audit in Arunachal Pradesh the feeders can be identified for installation of UFR. He further stated that following actions need to be taken by the states i.r.o. implementation of UFR as per 19th NERPC meeting:

1. Identification of feeders for additional installation of UFRs
2. Review the existing locations of UFR installation w.r.t. loading and connectivity.

The forum requested all the state utilities viz. SLDC, STU to plan and inform the detailed plan in the next OCC meeting.

Members may please discuss.

C.9 Proposal to design islanding schemes for Capital loads of NER states:

Continuous power supply in the capital areas of the respective states is of utmost importance for its normal functioning. Any incident of power supply failure in the capital cities causes severe disturbance to the economic activities and disrupts the life of its citizens. One such case occurred in the capital city of Maharashtra, Mumbai on the 13th of Oct'20 where power supply was disturbed for long hours.

All the SLDCs are requested to look into the designing of appropriate islanding schemes for their respective capital loads and coordinate with NERLDC along with providing all necessary information required to design the same. NERLDC is presently working towards developing islanding schemes for the capital cities. As first attempt, Islanding Scheme of Guwahati city considering Generation from BgTPP(NTPC) & Capital loads of Kahilipara, Dispur, Kamakhya, Sisugram, Sarusajai, Narengi, Jawaharnagar, Azara, Boko areas is under designing stage.

In 174th OCC meeting it was decided that NERLDC would design the islanding scheme and place in the next OCC meeting for ratification. GM, NERLDC informed the forum that the same will be done with the co-operation of States and ISGSs, starting from capital of Assam.

Members may please discuss.

C.10 Mobile Substation for Emergency Restoration of EHV system in NER:

In NER, it has been experienced that there are outages of substation/Generating Station/EHV element /s due to natural calamities. Recent such example is outage of generating station namely Kopili HEP, NEEPCO due to fresh flood/failure of penstock.

Further, for restoration of EHV systems in time, insurmountable constraints are faced by utilities like tough terrain, poor response from vendors for supply & services in NER especially in remote locations within stipulated period.

Hence it is suggested that mobile substation may be kept as regional spare for critical central sector stations where the affected station (suffering outage) in part can be bypassed under urgency and Incoming & Outgoing TLs be directly connected/terminated to TL Towers through the mobile station solution) till the main station is restored to its shape. The Mobile substation with bay modules will have the following facilities for emergency restoration of bays:

- a) 1 no. 220kV Bay with all EHV equipment & protection system
- b) 1no. 132kV Bay with all EHV equipment & protection system

Agenda for 175th OCC Meeting to be held on 18th February, 2021

Tentative Cost estimate is Rs.8.42 Crore (apx) excluding taxes & duties and F&I. The matter was discussed in 168th OCC where POWERGRID gave a presentation.

NERLDC & NERPC also stressed the need for mobile substation

The 21st TCC/RPC approved the mobile bays. NERTS may please present DPR in the meeting.

Members may please discuss.

AGENDA ITEMS FROM NERLDC:

C.10 Planned day time shutdown of 132kV Silchar-Melriat D/C:

The S/D was approved from 19.01.2021 to 29.01.2021 hrs on a daily basis. On daily basis, the S/D return time was delayed which caused severe low voltage in Mizoram system and high loading of 132kV Silchar-Badarpur D/C during peak hours. The daytime shutdown was not withdrawn on 29.01.2021. Due to outage of 132 KV Silchar - Melriat D/C other planned shutdowns were deferred. The Shutdown was later returned on 18:22 Hrs of 01.02.2021. Such delay and extension of S/D without prior approval caused serious problems in reliable operation of grid.

NERLDC may please deliberate.

C.11 Palatana Units MVAR absorption/injection:

On 03.02.2021, Tap position of UAT-1 was increased from 3 to 4 on 03.02.2021 after the issue of high MVAR injection was informed by NERLDC. The same could not be done for UAT-2 as diverter switch for the same is not operational (as informed by OTPC via email dated 01.02.2021). Presently, GTG-1, STG-1 and STG-2 are seen to be absorbing MVAR in high voltage scenarios. However, GTG-2 is seen to be injecting MVAR most of the time (even in high voltage scenarios). A plot of the same is attached as in **Annexure-C.11**. Appropriate setting change of UAT-2 is to be done expeditiously. Also, till the rectification of UAT-2 diverter switch, OTPC is requested to take necessary corrective action so that net MVAR injection by OTPC plant becomes zero when bus voltage at Palatana is 400 kV.

NERLDC may please deliberate.

C.12 Intimation regarding reason for change of declared energy/Emergency shutdown of hydro generators:

In the scheduling process, hydro generation are normally providing daily energy and peak MW; and the same can be revised by the generator as per stipulated timeline. During the day, if there is any change in energy punched in WBES, reason for the same along with change in energy punched in WBES, reason of the same along with change in MW/unit commitment (if any) need to be intimated to NERLDC.

Moreover, if there is any emergency unit outage/non-availability due to the same reason for a particular period (even without affecting daily energy) same needs to be intimated to NERLDC for incorporation in schedule appropriately.

NERLDC may please deliberate.

C.13 Planned continuous shutdown of 125MVAR Bus Reactor at Bongaigaon:

The P/S/D of 125 MVAR Bus Reactor at Bongaigaon was approved from 16.01.2021 to 25.01.2021. However, the S/D was not returned by NERTS as of 10.02.2021. Due to the outage of the Bus Reactor, high voltage is observed in the nearby nodes of Bongaigaon.

NERLDC may please deliberate.

C.14 Khandong Bus Coupler and Bus shutdown:

The P/S/D of 125 MVAR Bus Reactor at Bongaigaon was approved from 16.01.2021 to 25.01.2021. However, the S/D was not returned by NERTS as of 10.02.2021. Due to the outage of the Bus Reactor, high voltage is observed in the nearby nodes of Bongaigaon.

NERLDC may please deliberate.

C.15 Requirement of approval for keeping Auto-reclosure in Off mode during OPGW works:

It is observed that NERTS, POWERGRID has been seeking approval from NERLDC for keeping A/R in off condition during OPGW works which should be ideally obtained from OCC forum. But in case of any exigencies, the same may be allowed by obtaining real time code from NERLDC, which shall be provided based on real time grid conditions.

NERLDC may please deliberate.

C.16 Opening of One phase of Jumper at Tower No.2 of 132 kV PK Bari-PK bari line on 04th Feb'21

Joints were observed in all three phases of jumpers as per pictures shared by SLDC, Tripura. It is generally advised to avoid joints, as joints are the weak points and leads to formation of hotspots in due course of time. In view of importance of the mentioned line, proper checking and tightening of jumpers needs to be expedited at the earliest for safe & reliable operation of NER grid.

NERLDC may please deliberate.

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| D. ITEMS FOR STATUS REVIEW |
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D.1 Status update of important grid elements under prolonged outage impacting system operation:

| Sl. No | Element | Owner | Status as informed in the 174 th OCCM | Latest status |
|--------|--|-------|--|---------------|
| 1 | 63MVAR L/R for 400kV Palatana-SilcharCkt-I | OTPC | Put in service on 08-01-2021 | |
| 2 | 132kV Jiribam – Rengpang | MSPCL | Charged upto Rengpang S/Sn on Jan'21 | |
| 3 | 132kV Rangia-Rowta | AEGCL | by Feb'21 | |

Agenda for 175th OCC Meeting to be held on 18th February, 2021

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| 4 | 132kV Mariani – Mokokchung(out since April'2008) | AEGCL | Proposal put up for approval. | |
| 5 | FSC of 400kV Balipara – Bongaigaon-4(out since 02 nd Sep'20) | NERTS | Procurement involved. Tentatively by Mar'21 | |
| 6 | 132kV Roing-Pasighat (charged through ERS tower) | NERTS | Pile by Apr'21 | |
| 7 | 220kV Mariani-Mokokchung - I | NERTS | B/R bay used to charge the line. By 31 st March | |

Concerned utilities may please inform the status.

D.2 Status of commissioning for Upcoming projects:

| Sl. No | Name of the element | Utility | Status as informed in 174 th OCC meeting | Latest status |
|--------|--|---------|--|---------------|
| 1 | LILO of 132kV Surjamaningar-Budhjungnagar-I at Surjamaninagar(ISTS) | TSECL | Completed and charged on 28-12-2020 | |
| 2 | LILO of 132kV P.K.Bari-Ambassa at P.K.Bari(ISTS) | TSECL | FTC on 29-01-2021 | |
| 3 | 400kV Palatana-Surjamaninagar D/C | NERTS | By Mar'21 | |
| 4 | 400kV Silchar – P.K.Bari D/C | NERTS | By Feb'21 | |
| 5 | 132kV Monarchak-Surjamaninagar | TSECL | 3 tower RoW issue persisting. Stringing for 21km completed. By March'21. | |
| 6 | PLCC for 132kV Loktak-Ningthoukong and 132kV Loktak-Rengpang | MSPCL | Included in R&U. By Mar'21 | |
| 7 | Construction of 2 nd bay at Balipara for 220kV Balipara-Sonabil-2 | AEGCL | LOA by Jan'21 | |
| 8 | Bay at 132kV Agia S/Sn for 132kV Agia-Nangalbibra-II | AEGCL | MePTCL clearance awaited to charge the line. | |
| 9 | Upgradation of 132kV Lumshnong – Panchgram line | MePTCL | PSDF approval awaited. | |

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|----|--|-----------|-----------------|--|
| 10 | Diversion of 132kV Bawktlang-Sihmui | NERTS | By Mar'21 | |
| 11 | PLCC for 132kV Karong-Kohima | MSPCL | To be updated | |
| 12 | 400/220kV 500MVA ICT at Mariani | NERTS | Jan'21 | |
| 13 | 132kV Loktak-Ningthoukong-II | MSPCL | Mar'21 | |
| 14 | 132kV Roing-Chapakhowa | NERTS | Tendering stage | |
| 15 | 132kV Rupai-Chapakhowa & Chapakhowa S/Sn | POWERGRID | Dec'21 | |
| 16 | Re-conductoring 220kV BTPS-Salakati D/C | NERTS | Tendering stage | |

Concerned utilities may please inform the status.

D.4 Utilization of Transfer Bus and Bus Coupler Breaker during rectification of Main Circuit Breaker for 132 kV Dimapur-Doyang line 2:

Works - wiring of Selector Switch to the BC is yet to be done and also Trip Transfer scheme has to be completed. Further LBB has to be commissioned for all the feeders. In 174th OCCM NEEPCO informed that shutdown programme for the above works has been planned in Feb'21.

NEEPCO may please intimate the status.

D.5 Testing of Primary Governor response of NER Generating units as per IEGC Cl.5.2(g):

Schedule as agreed in the 174th OCC meeting

| Region | Station | No. of generators | Schedule | Duration (days) |
|--------|---------------------|-------------------|--|-----------------|
| NER | NEEPCO Ranganadi | 3 | 26th Dec'20 to 30th Dec'20 | 5 |
| NER | NEEPCO Tuirial | 2 | To be decided later | 4 |
| NER | NEEPCO-Monarchak | 2 | 23 rd Mar'21 to 30 th Mar'21 | 8 |
| NER | NEEPCO-Kopili | 1 | Under long shutdown | 2 |
| NER | NEEPCO-Khandong | 2 | 1st Dec'20 to 4 th Dec'20 | 4 |
| NER | NEEPCO- Pare | 2 | 21st Dec'20 to 24 th Dec'20 | 4 |
| NER | OTPCL- Palatana | 2 | In May'21 | 4 |
| NER | NTPC Bangaigaon TPP | 3 | Last week of Apr'21 or May'21 | 6 |
| NER | NHPC Loktak | 3 | 22 nd Feb'21 to 27 th Feb'21 | 6 |

NERLDC may please intimate the latest status.

AGENDA ITEMS FROM NERLDC:

D.6 Status of commissioning of 400 kV Silchar – PK Bari D/C and 400 kV Palatana – Surajamaninagar(ISTS) D/C.

A voltage change of about 40-45 kV during charging/tripping of any of the bus reactors at PK Bari & Surajmaninagar has been observed during simulation studies due to non-availability of 400 kV Silchar – PK Bari D/C and 400 kV Palatana – Surajamaninagar(ISTS) D/C resulting in compromised security and reliability of the Grid. Hence, First Time Charging of Bus Reactors at PK Bari & Surajmaninagar could not be accorded.

NERTS is requested to expedite the commissioning of the mentioned projects and also share the latest update.

NERLDC may please deliberate.

D.7 Status of commissioning of 132kV AGTCCPP-PKBari D/C:

It has been observed that after commissioning of 132 kV PK Bari(ISTS)-Ambassa (TSECL) and 132 kV PK Bari(ISTS)-PK Bari(TSECL) line, overloading of 132 kV PK Bari-PK Bari line was observed w.e.f 01st Feb'21.

Commissioning of 132 kV AGTCCPP-PK Bari D/C will reduce the loading of 132 kV PK Bari-PK Bari line by about 15-20 MW. Sterlite Power is requested to share the latest status of commissioning of 132 kV AGTCCPP-PK Bari D/C and expedite the same.

NERLDC may please deliberate.

D.8 Long outage of Mariani-1 bay at Mokokchung S/s:

220kV Mariani-I bay at Mokokchung S/S is under outage since 21st Nov'19. Temporary arrangement of charging 220 kV New Mariani – Mokokchung 1 line by using 31.5 MVAR Bus Reactor bay at Mokokchung S/S was made and this temporary arrangement is still in service although validity of RIO permission has expired on 11.07.2020.

It is requested to kindly intimate plan of action for restoration of original configuration and its tentative schedule.

NERLDC may please deliberate.

Metering Agenda:

D.9 Faulty SEM replacement and SEM installation at new locations:

100 SEMs and 20 DCDs had been procured. List for replacement of faulty SEMs and location for new SEM installation had been submitted by NERLDC vide earlier OCCMs. All locations as per the list could not be considered due to the requirement of SEMs for the Sterlite & KMTL on-going projects and hence some priority basis locations were decided, and work is under progress.

List for locations for distribution of DCD was also submitted vide earlier OCCMs and most of them had already been distributed.

In MoM of 40th CCM, NERTS provided the status of completion of SEM replacement/installation and DCD distribution. List attached at **Annexure-D.9**

NERTS may please intimate the status.

D.10 SEMs to be procured for STERLITE and KMTL on-going projects:

It was decided that additional 50 nos. of SEMs needed to be procured before completion of Sterlite & KMTL projects. However, that couldn't be done and SEMs required for those projects handed over from earlier procured 100 SEMs on need basis.

NERTS placed quantity variation order for procurement of 50nos. of SEMs and 10 nos. of DCDs based on the decision of the Forum. In 40th CCM, NERTS intimated that this procurement is expected to be completed by Feb 2021.

NERTS is also requested to provide the details of SEM & DCD diverted to Sterlite & KMTL projects.

NERTS may please intimate the status.

D.11 Procurement of SEM/DCD laptop for future requirements:

In 170th OCCM NERLDC presented the estimation 125 nos. SEMs and 15 nos. CMRIs shall be required for future projects and maintaining spare. List of SEMs and CMRIs was presented by NERLDC. The forum also decided that procurement will be done on single tender basis from L&T to synchronize with the existing metering system

NERTS may please intimate the status.

D.12 SEM time drift:

Time drift more than 5mins observed in Biswanath Chariali Substation, SEM no. NP-9678-A, NP-8801-A, NP-7601-A (Pole-1), NP-5798-A (Pole-2) and other meters also having time drift. Requested to take necessary action as these SEMs are very important for accounting of Inter-regional exchanges.

NERTS may please intimate the status.

D.13 Collection of SEM data:

Budhjungnagar(TSECL) end of 132kv Budhjungnagar (TSECL)-SM Nagar(Sterlite) line, SM Nagar(TSECL) end of 132kv SM Nagar(TSECL)-SM Nagar(Sterlite), PK Bari(TSECL) end of 132kv PK Bari(TSECL)-PK Bari(Sterlite) line, Ambassa (TSECL) end of 132kv Ambassa(TSECL)-PK Bari(Sterlite) line Data of the above mentioned newly charged lines not received from TSECL (SLDC, Agartala).

As per regulations SLDC, Agartala should take necessary action for sending the data to NERLDC. However, due to non-availability of DCDs in most of the Substations of Tripura SEM data is being sent to NERLDC by NERTS. Forum may find out suitable solutions for sending SEM data to NERLDC of the above-mentioned lines.

NERLDC may please deliberate.

Any other item:

Date and Venue of next OCC

The status of SEM distribution list is attached herewith.

| Sl. No. | SUBSTATION | Name of Substation responsible | Meter No. | Feeder Name | Meter Type | Remarks | Status |
|---------|---------------|--------------------------------|-----------|---|------------|---------------------------|---|
| 1 | AZARA | Bongaigaon SS | NP-9456-A | AZARA END OF 400 KV BONGAIGAON | LNT | Approx 7 mins retard | Completed |
| 2 | AZARA | Bongaigaon SS | NP-9457-A | AZARA END OF 400 KV SILCHAR | LNT | Approx 6 mins retard | Completed |
| 3 | SARUSAJAI | Misa SS | NP-8489-A | 132kv SARUSAJAI-UMTRU FEEDER | LNT | Approx 8 mins retard | |
| 4 | SARUSAJAI | Misa SS | NP-8492-A | S'SAJAI END OF 132kv UMTRU FDR-2 | LNT | Defective meter | |
| 5 | DULLAVCHER-RA | Badarpur SS | NP-9438-A | DULLAVCHERRA END OF DHARMANAGAR FDR | LNT | Approx 6 mins retard | Completed |
| 6 | MISA | Misa SS | NP-8605-A | MISA END OF 220kv MARIANI(AS) FDR | ELSTER | | |
| 7 | MISA | Misa SS | NP-8641-A | MISA END OF 220kv KOPILI FDR -1 | ELSTER | | The feeders are out of service. Shall be connected once the feeders come in service |
| 8 | MISA | Misa SS | NP-8603-A | MISA END OF 220kv KOPILI FDR -3 | ELSTER | | |
| 9 | MISA | Misa SS | NP-8636-A | MISA END OF 220kv KOPILI FDR -2 | ELSTER | | |
| 10 | HAFLONG | Haflong SS | NP-8656-A | HAFLONG(PG) END OF JIRIBAM FDR | ELSTER | | Completed |
| 11 | MARIANI | Mariani SS | NP-8596-A | MARIANI(PG) END OF 220kv KATHALGURI FDR | ELSTER | Raw Data does not convert | |
| 12 | SILCHAR | Silchar SS | NP-8664-A | SILCHAR (PG) END OF 132kv SRIKONA (ASEB) FDR -1 | ELSTER | | Completed |
| 13 | SILCHAR | Silchar SS | NP-8665-A | SILCHAR (PG) END OF 132kv SRIKONA (ASEB) FDR-2 | ELSTER | | Completed |
| 14 | SILCHAR | Silchar SS | NP-8666-A | SILCHAR (PG) END OF 132kv HAILAKANDI-11 (D'CHERA) FDR | ELSTER | | Completed |
| 15 | SILCHAR | Silchar SS | NP-8667-A | SILCHAR (PG) END OF 132kv HAILAKANDI-1(P'GRAM) FDR | ELSTER | | Completed |

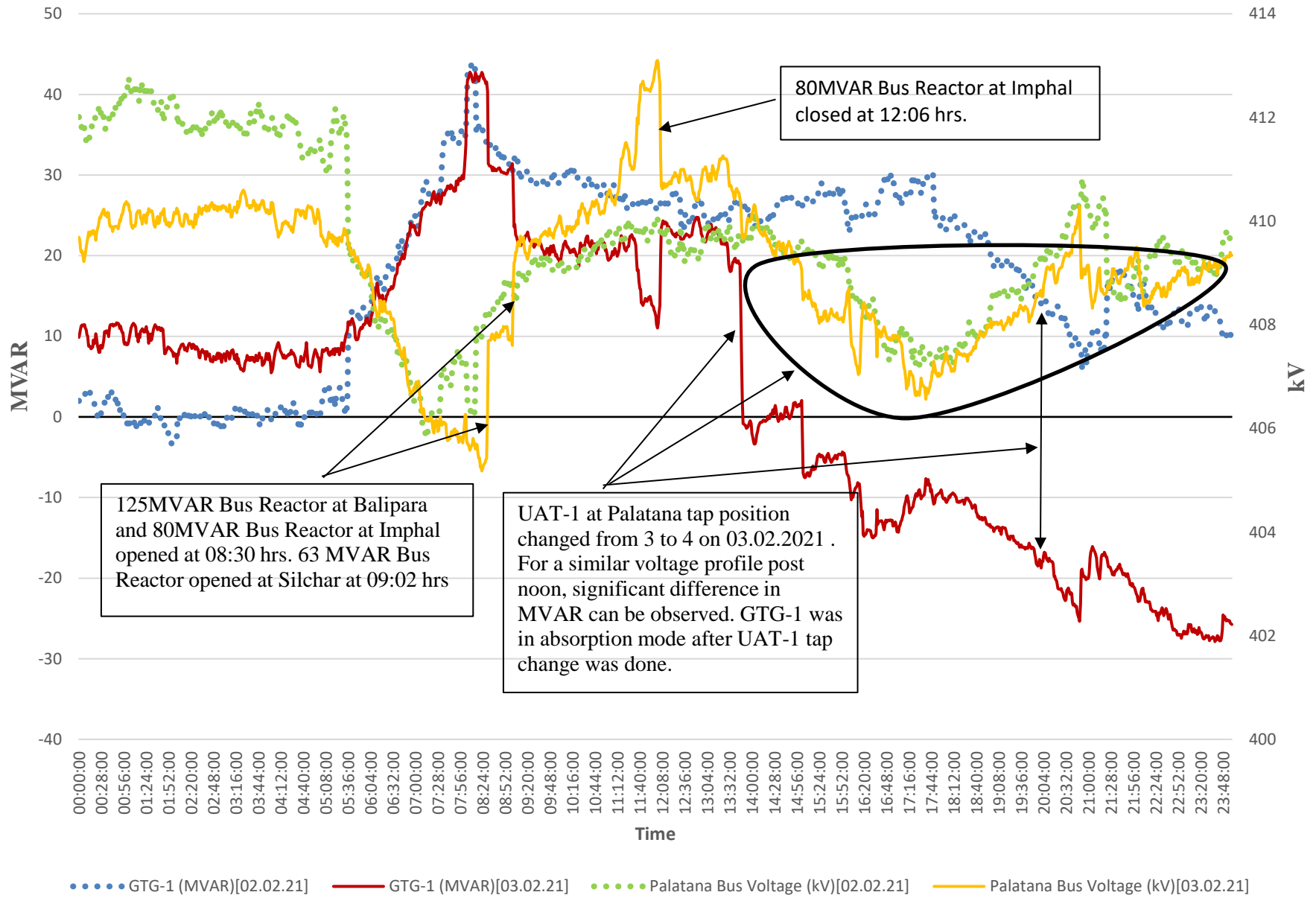
| | | | | | | | |
|----|----------|---------------|-----------|---------------------------------------|--------|------------------------|-----------|
| 16 | SILCHAR | Silchar SS | NP-8563-A | SILCHAR END OF 132 KV PK'BARI-2 | ELSTER | | |
| 17 | KOHIMA | Dimnapur SS | NP-9703-A | KOHIMA END OF KARONG FDR | LNT | Erratic Reading | Completed |
| 18 | JIRIBAM | Jiribam SS | NP-8645-A | JIRIBAM(MAN) END OF JIRIBAM(PG)FDR | ELSTER | 21 mins retard | Completed |
| 19 | JIRIBAM | Jiribam SS | NP-8623-A | JIRIBAM(PG) END OF BADARPUR FDR | ELSTER | 12 mins retard | Completed |
| 20 | YUREMBAM | Imphal SS | NP-6951-A | YUREMBAM-KARONG FDR | LNT | Approx 10 mins advance | Completed |
| 21 | IMPHAL | Imphal SS | NP-8672-A | IMPHAL(PG) END OF LOKTAK-2 IMPHAL(PG) | LNT | Approx 9 mins retard | Completed |
| 22 | BGTPP | Bongaigaon SS | NP 9646-A | NTPC ICT-1 HV SIDE CHECK | LNT | Approx 16 mins retard | |
| 23 | LEKHI | Nirjuli SS | NP-9652-A | LEKHI END OF 132KV PARE FDR | LNT | Heavy Error | Completed |

The status of DCD distribution list is attached herewith.

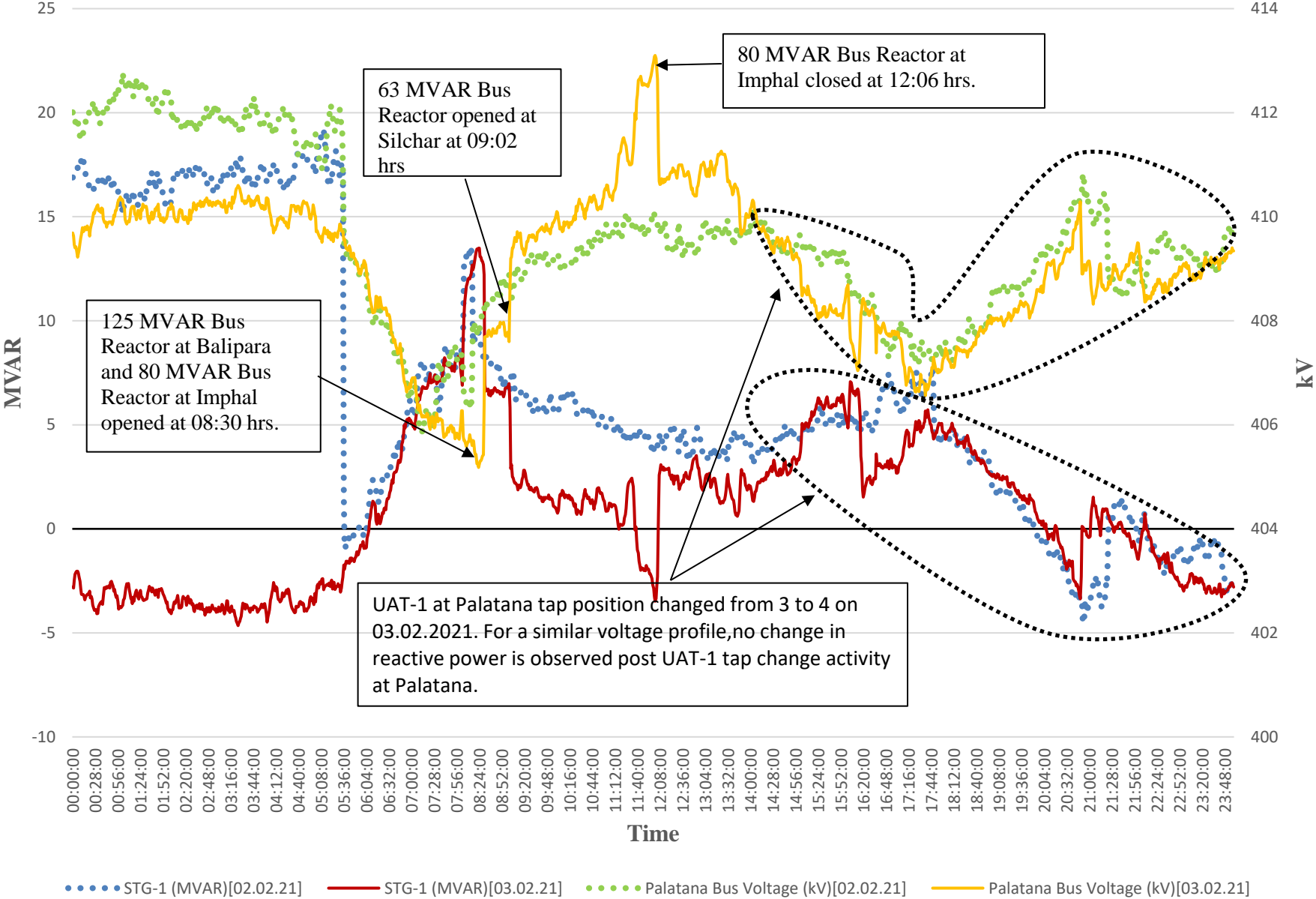
| Sl.No. | Substation | State | Status |
|--------|---------------------|-------------------|-----------|
| 1 | LEKHI | ARUNACHAL PRADESH | |
| 2 | AGIA | ASSAM | |
| 3 | AZARA | ASSAM | |
| 4 | BTPS | ASSAM | |
| 5 | SARUSAJAI | ASSAM | |
| 6 | TINSUKIA | ASSAM | |
| 7 | DULLAVCHERA | ASSAM | |
| 8 | KAHILIPARA | ASSAM | |
| 9 | YUREMBAM | MANIPUR | |
| 10 | UMTRU | MEGHALAYA | Completed |
| 11 | MENDIPATHAR | MEGHALAYA | Completed |
| 12 | BYRNIHAT | MEGHALAYA | |
| 13 | JIRIBAM | POWERGRID | Completed |
| 14 | DIMAPUR | POWERGRID | Completed |
| 15 | Agartala (79 Tilla) | TRIPURA | |
| 16 | Udaipur | TRIPURA | |
| 17 | Dharmanagar | TRIPURA | |

NERTS intimated that the balance distribution shall be completed within Feb 2021.

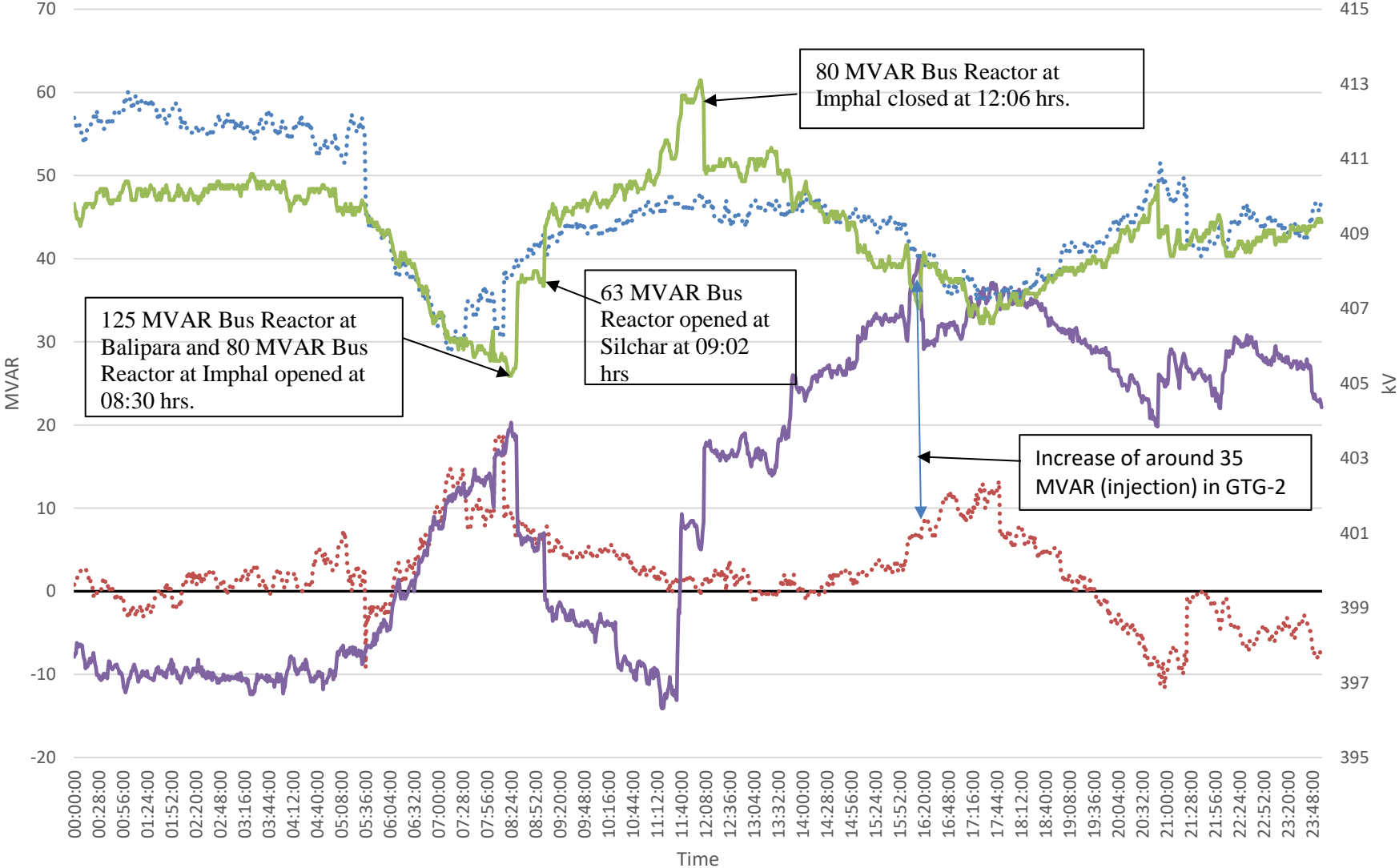
GTG-1 MVAR Vs Palatana Bus Voltage



STG-1 MVAR Vs Palatana Bus Voltage



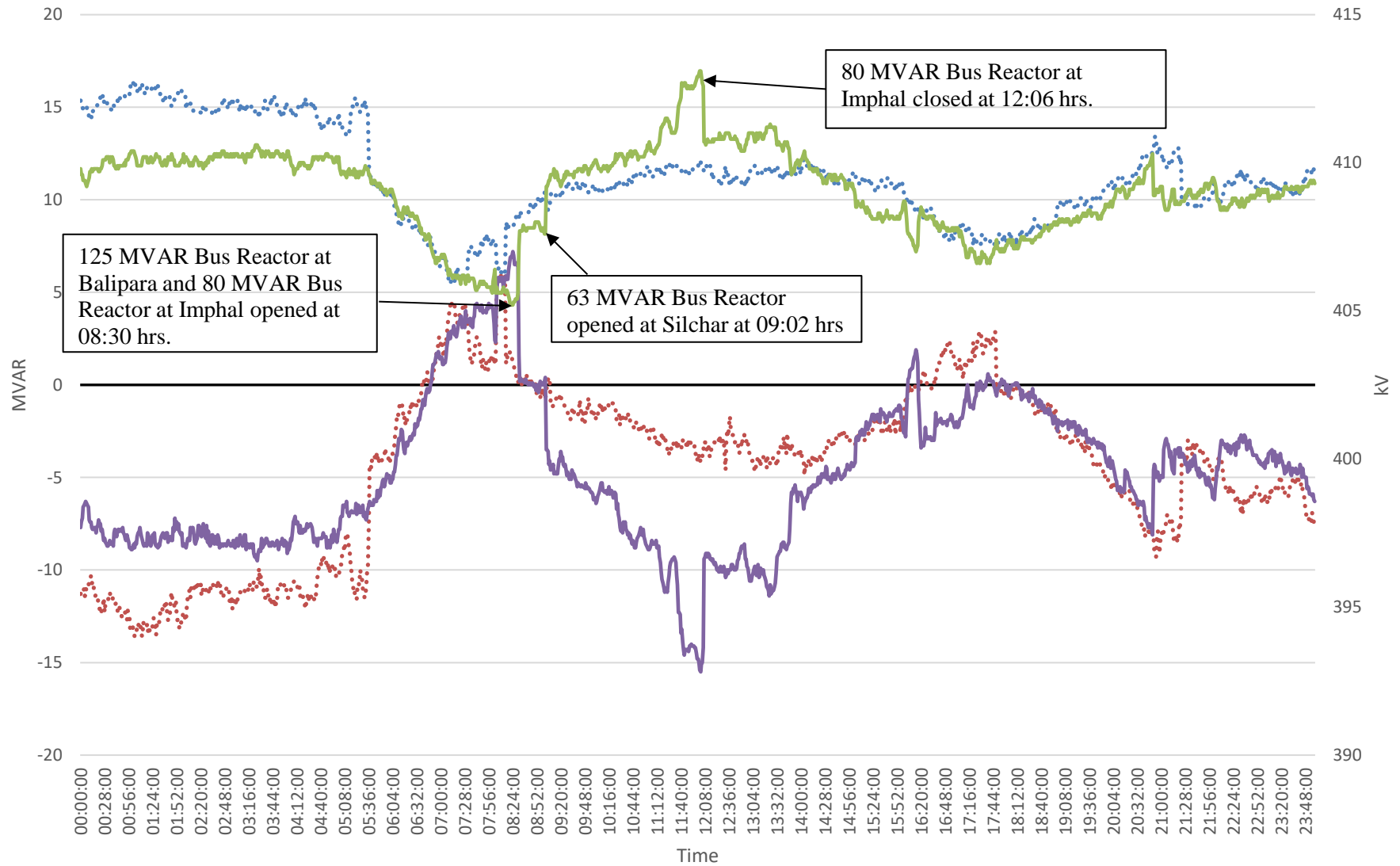
GTG-2 MVAR vs Palatana Bus Voltage



..... Palatana GTG-2 MVAR 02-02-2021
..... Palatana Bus Voltage (kV) 02-02-2021

———— Palatana GTG-2 MVAR 03-02-2021
———— Palatana Bus Voltage (kV) 03-02-2021

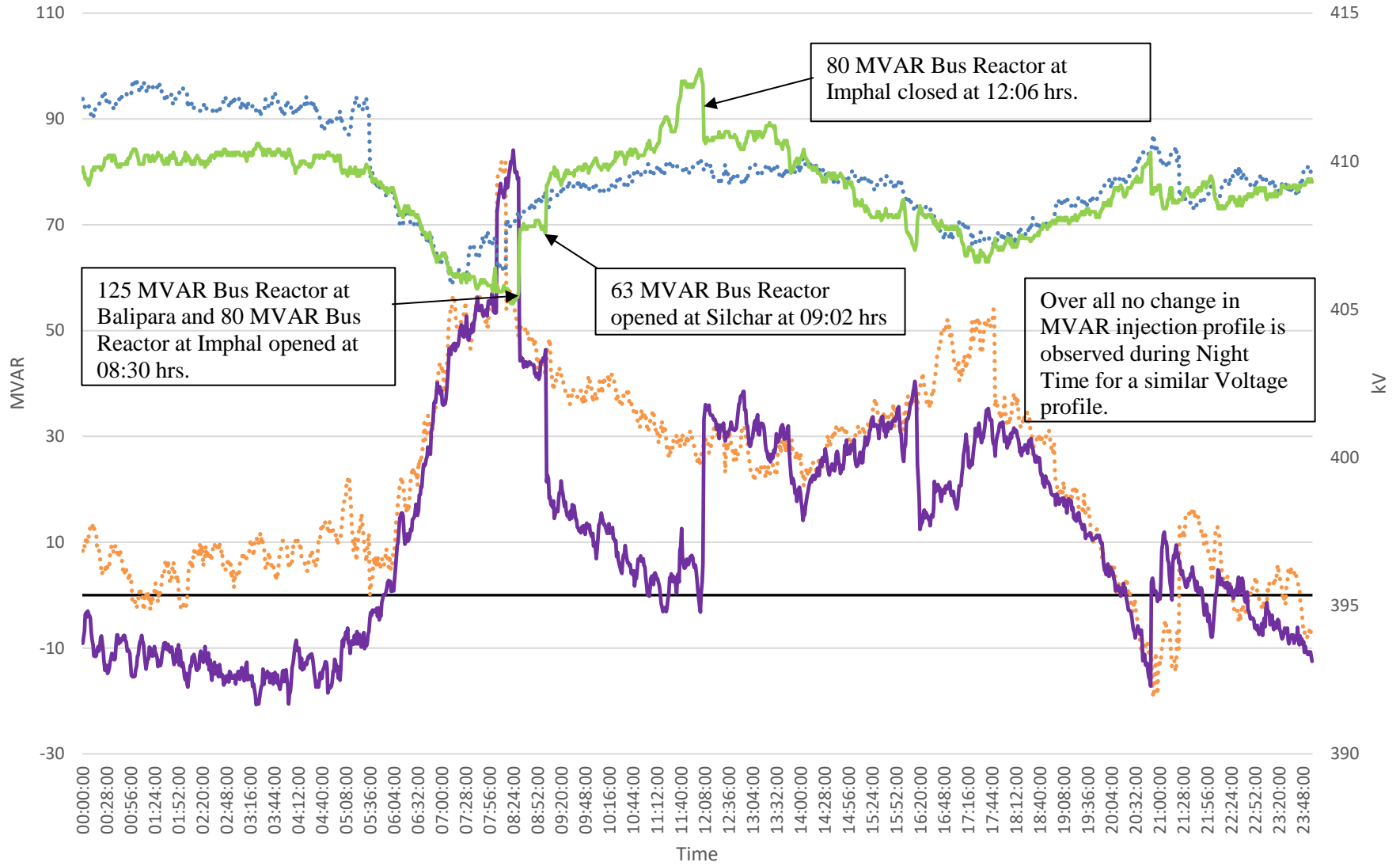
STG-2 MVAR vs Palatana Bus Voltage



..... Palatana STG-2 MVAR 02-02-2021
..... Palatana Bus Voltage (kV) 02-02-2021

——— Palatana STG-2 MVAR 03-02-2021
——— Palatana Bus Voltage (kV) 03-02-2021

Palatana Total MVAR V/S Voltage



●●●● Palatana Total MVAR 02-02-2021
 — Palatana Total MVAR 03-02-2021
 ●●●● Palatana Bus Voltage (kV) 02-02-2021
 — Palatana Bus Voltage (kV) 03-02-2021