

# **Eastern Regional Power Committee, Kolkata**

## **Minutes of 6<sup>th</sup> Project Review Meeting on Status of New ULDC scheme and up-gradation of ULDC scheme” held on 29.12.2015 at ERPC, Kolkata**

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List of participants is at **Annexure-A**.

### **PART – A**

#### **ITEM NO. A.1: Confirmation of minutes of 5<sup>th</sup> Project Review Meeting (PRM) held on 24<sup>th</sup> September, 2015 at ERPC, Kolkata**

The minutes of 5<sup>th</sup> Project Review Meeting (PRM) held on 24.09.2015 circulated vide letter dated 07.10.2015.

No comments have been received from any constituent.

The minutes of the above meetings may be confirmed.

#### **Deliberation in the meeting**

*Members confirmed the minutes of 5<sup>th</sup> PRM meeting.*

### **PART- B**

#### **FOLLOW-UP OF DECISIONS OF THE PREVIOUS PRM MEETING(S)**

In 5<sup>th</sup> PRM, General Manager, ERLDC stressed that the Installation and commissioning of DVC Maithon and Jharkhand CC should be done on priority and the reporting of Existing RTUs from these control centres should be achieved by October end. Normal functioning of all the CCs of the constituent systems i.e. DVC Maithon, Ranchi, WBSETCL Andul Road, BSPTCL Patna, Sikkim to be achieved by December'15 as the Alstom system is planned to be switched off in January'16.

Members agreed for the following schedule for completing the balance work of control centre:

#### **[A] DVC Maithon system I&C**

1. I&C work of APS commenced on 23.09.15
2. DVC APS and server installation to be completed by 15.10.15.
3. System configuration and upgradation of the system to be achieved by 30<sup>th</sup> Oct.
4. All existing RTUs reporting at DVC need to be tested on PDS by October 20, and dataflow from these RTUs to ERLDC should be achieved by 30<sup>th</sup> October.
5. Pre-SAT of DVC should be taken up wef 20.10.15

## **Deliberation in the meeting**

*Members updated the status as follows:*

- 1. I&C work of APS commenced on 23.09.15 - Completed*
- 2. DVC APS and server installation to be completed by 15.10.15 – Completed.*
- 3. System configuration and upgradation of the system to be achieved by 30<sup>th</sup> Oct – Completed.*
- 4. All existing RTUs reporting at DVC need to be tested on PDS by October 20, and dataflow from these RTUs to ERLDC should be achieved by 30<sup>th</sup> October – Parallel operation and SAVT to start from 01/Jan/2016.*
- 5. Pre-SAT of DVC should be taken up w.e.f: 20.10.15 – Completed*

## **[B] Jharkhand Ranchi System I&C**

- 1. WIPRO I&C Team for APS and Networking shall be deputed at Ranchi CC on 5<sup>th</sup> Oct 2015.*
- 2. Balance work of APS server installation at Ranchi to be completed by 15.10.15.*
- 3. Balance work of server/router/switches/fireball including their configuration etc to be completed by 30.10.15.*
- 4. System configuration and upgradation of the system to be achieved by 30<sup>th</sup> Oct.2015*
- 5. All existing RTUs reporting at Ranchi need to be tested on new system by 30.10.15.and dataflow from these RTUs to ERLDC should be achieved by a 5<sup>th</sup> November.*
- 6. Pre-SAT of Jharkhand systems should be taken up wef30.10.15.*

## **Deliberation in the meeting**

*Members updated the status as follows:*

- 1. WIPRO I&C Team for APS and Networking shall be deputed at Ranchi CC on 5<sup>th</sup> Oct 2015 - Completed*
- 2. Balance work of APS server installation at Ranchi to be completed by 15.10.15- Completed*
- 3. Balance work of server/router/switches/fireball including their configuration etc to be completed by 30.10.15- - Completed*
- 4. System configuration and upgradation of the system to be achieved by 30<sup>th</sup> Oct.2015- - Completed*
- 5. All existing RTUs reporting at Ranchi need to be tested on new system by 30.10.15.and dataflow from these RTUs to ERLDC should be achieved by a5th November- There is data mismatch and scaling problem which needs to be rectified by M/s Chemtrols.*
- 6. Pre-SAT of Jharkhand system should be taken up wef30.10.15 - Completed*

### **[C] DVC Andul Road (Main)**

1. DVC informed that the site will be ready by 30.09.15 and Chemtrols should take up the installation of the equipment accordingly.
2. Wipro/Chemtrols committed that balance equipment of DVC (Main) and WB (B/UP) i.e. ACDBs, UPS and Batteries etc shall be supplied by November end and then the I&C activity of the CC shall be taken up.

#### **Deliberation in the meeting**

*Members updated the status as follows:*

1. *DVC informed that the site will be ready by 30.09.15 and Chemtrols should take up the installation of the equipment accordingly – M/s Chemtrols conformed that installation of UPS & APS system will commence from 02.02.2016 and will be completed by 15.01.2016.*
2. *Wipro/Chemtrols committed that balance equipment of DVC (Main) and WB (B/UP) i.e. ACDBs, UPS and Batteries etc. shall be supplied by November end and then the I&C activity of the CC shall be taken up – For DVC Main M/s Chemtrols has assured that installation of UPS & APS system except battery system will be completed by 15.01.2016.*

### **[C] WB Backup Salt Lake**

1. WBSETCL informed that the site will be ready by 30.11.15 and Chemtrols should take up the installation of the equipment accordingly.
2. Wipro/Chemtrols committed that balance equipment of WB (B/UP) i.e. ACDBs, UPS and Batteries, VCS system etc shall be supplied by November end and then commissioning of CC will be taken up.

#### **Deliberation in the meeting**

*Members updated the status as follows:*

1. *WBSETCL informed that the site will be ready by 30.11.15 and Chemtrols should take up the installation of the equipment accordingly – WBSETCL has confirmed that the site will be ready by 31.03.2016. POWERGRID has stated that the same is not acceptable to POWERGRID and has requested WBSETCL for at least handing over of partial site for installation of APS system by 15.01.2016 and complete site by 15.02.2016 .WBSETCL has assured that all efforts will be taken for Handing over of the work front as requested by POWERGRID.*
2. *Wipro/Chemtrols committed that balance equipment of WB (B/UP) i.e. ACDBs, UPS and Batteries, VCS system etc shall be supplied by November end and then commissioning of CC will be taken up – Installation activities will commence after providing of work front by WBSETCL.*

### **[D] Retest of SAT variances and completion of balance work at BSPTCL**

1. Up-gradation Activity in progress. Re-test shall commence on 21.09.15 and to be completed by 15.10.15.

### **Deliberation in the meeting**

*Members updated the status as follows:*

1. *Up-gradation Activity in progress. Re-test shall commence on 21.09.15 and to be completed by 15.10.15 - Completed. Minor issues if any to be resolved by M/s Chemtrols .SAVT to be commenced from 01.01.2016.*

### **[E] WBSETCL Main Andul Road**

1. POWERGRID informed that they have zeroed down on the problem being faced in the FO communication of Velocis and will get it rectified.
2. Chemtrols/OSI to look into the ICCP problem and need to test it in coordination with CESC. The testing will take place wef 21.09.15. WBSETCL and CESC to facilitate the same.

### **Deliberation in the meeting**

*Members updated the status as follows:*

1. POWERGRID informed that they have zeroed down on the problem being faced in the FO communication of Vellocis and will get it rectified – *POWERGRID stated that issue has been resolved .However WBSETCL has stated that errors are still being observed in DPL, KLC Bantala and Newtown RTU's .POWERGRID/WBSETCL has requested for Joint testing on dated:30.12.2015.*
2. Chemtrols/OSI to look into the ICCP problem and need to test it in coordination with CESC. The testing will take place w.e.f 21.09.15. WBSETCL and CESC to facilitate the same- *No issue with Chemtrols system, CESC to resolve minor issues if any from their end.*

### **POWERGRID Points:-**

1. **UPS room for back-up Control centre SLDC-Maithon and air conditioning of UPS room: -**

DVC has confirmed that the work front is ready for installation at SLDC Maithon and M/s Chemtrols has been requested for installation team from 01.08.2015.

In 5<sup>th</sup> PRM, M/s Chemtrols has been requested for completion of APS and Power cabling work by 20<sup>th</sup> October, 2015.

### **Deliberation in the meeting**

*The work has been completed.*

2. **Building readiness for Control centres of backup SLDC of WBSETCL: -**

*In 5<sup>th</sup> PRM, WBSETCL has informed that they are in the process of awarding LOA for implementation of renovation work at backup SLDC. They have confirmed that work*

front for backup SLDC will be ready latest by November-2015. However, POWERGRID has requested WBSETCL for providing of work front/completion of renovation work on priority basis i.e. 1<sup>st</sup> for installation of Auxiliary Power supply equipment and thereafter control centre so that work can commence sequentially.

M/s WBSETCL confirmed that work order will be placed to the party in the 1<sup>st</sup> week of October and vendor will start the work thereafter and installation of UPS will be completed with in October

-2015 and data reporting to ERLDC through ICCP can be done by end of October-2015.

### **Deliberation in the meeting**

*WBSETCL has confirmed that the site will be ready by 31.03.2016. POWERGRID has stated that the same is not acceptable to POWERGRID and has requested WBSETCL for at least handing over of partial site for installation of APS system by 15.01.2016 and complete site by 15.02.2016 .WBSETCL has assured that all efforts will be taken for Handing over of the work front as requested by POWERGRID.*

### **3. Fibre connectivity between Howrah SLDC WBSETCL and Howrah DVC Sub-station:-**

Member secretary informed that a meeting with higher officials of DVC & WBSECTL will be arranged in the next week to discuss the issue.

*In 5<sup>th</sup> PRM, Member secretary informed that a meeting with higher officials of DVC & WBSECTL will be arranged by October-2015.*

### **Deliberation in the meeting**

*DVC has confirmed that they are in the process of hiring dark fiber from the third party and will provide the link by end of Feb-16. However POWERGRID has stated that Installation activities has already commenced and has requested DVC for provision of the link by 15.01.2016. DVC has assured that all efforts will be taken for provision of the link at the earliest.*

### **4. Air-conditioning at UPS room of JUSNL: -**

In 5<sup>th</sup> PRM, No representative of JUSNL was present in the meeting to appraise the status.

### **Deliberation in the meeting**

*JUSNL has confirmed that they are in the process of procuring Air conditioning system and all efforts will be taken for installation and commissioning of Air conditioning system by end of Feb-16.*

### **5. VDU in place of PDC for BSPTCL & JSEB Requirements under URTDSM Project:**

Under URTDSM project, full fledged PDC has been envisaged at SLDC's of Bihar and Jharkhand. '01' (One) PMU is to be installed at Muzaffarpur in Bihar and '02' (Two) PMUs at Tenughat & Patratu in Jharkhand. In view of the space constraints at respective SLDC's it was agreed that PMUs of these power plants may be directly connected with ERLDC PDC and providing of PDC facilities at SLDC's Bihar and Jharkhand may be deleted from the scope of Bihar and Jharkhand. It was also agreed to provide remote VDU for viewing of PMU data at SLDC Bihar and Jharkhand from ERLDC.

### **Deliberation in the meeting**

*It was informed that appropriate action is yet to be taken.*

## **ERTS-I, Powergrid Points:**

6. Provision of OPGW connectivity in 400 KV Bihashariff –Koderma T/L (111 Km) in lieu of 400 KV Gaya-Koderma T/L (124 Km) for providing redundancy for Koderma TPS of DVC under MWR package.

In 4<sup>th</sup> PRM, members agreed to the proposal in principle and recommended for ERPC approval.

In 5<sup>th</sup> PRM, POWERGRID requested for inclusion of additional OPGW installation in Barh –Gorakhpur (354 Km) and Rajarhat – Farakka (345 km).

Members agreed to the proposal of additional OPGW in principle and recommended for ERPC approval.

### **Deliberation in the meeting**

*POWERGRID requested for inclusion of additional OPGW installation in 400 KV Ranchi- Dhanbad – Maithon RB Link. Members in principle agreed and advised to place in next ERPC/TCC meeting for approval.*

7. SCADA/EMS Up-gradation package

(i) Issues of JUSNL:

- (a) Readiness of Air –Conditioning at control centre location for Installation & Commissioning of VPS system, SCADA servers etc
- (b) Confirmation to RTU Integration Schedule of Chemtrols for identification of CT/PT & DI/DO points by JUSNL.

In 5<sup>th</sup> PRM, No representative of JUSNL was present in the meeting to appraise the status.

Member secretary advised to arrange a meeting at Ranchi for resolving JUSNL issues along with the POWERGRID ER-I & ER-II, POSOCO and M/s Chemtrols representatives.

### **Deliberation in the meeting**

*M/s Chemtrols has agreed to provide the schedule for integration of RTU w.e.f 15.01.2016.*

(ii) Issues of BSPTCL:

- a) SAT report signing by BSPTCL for already commissioned RTU's (54 /73 RTU's commissioned /ready for data communication to SLDC Patna) .23 RTU's reporting at SLDC Patna :-

*In 5<sup>th</sup> PRM, BSPTCL agreed to check and sign the SAT reports with their comments if any.*

### **Deliberation in the meeting**

*M/s Chemtrols has agreed to check and sign the SAT reports by 04.01.2016*

## **Communication Package (MWR-BSPTCL)**

- a) **Air conditioning of BSPTCL sub-station communication rooms:** Commissioning of Commtel communication equipments are pending at Bodhgaya, Biharshariff, BTPS, Fatwa, Jakkanpur, Samastipur, MTPS Kanti & Hajipur for more than 08 months in want of Air conditioning environment in the communication room of BSPTCL sub-stations:–

BSPTCL agreed to rectify/ provide Air conditioning facility at respective stations of BSPTCL and confirm POWERGRID for further commissioning/ functioning of M/s Commtel equipments.

Commissioning of Commtel equipments has been done. However still Air conditioning at few of the locations needs to be recertified and improved by BSPTCL. BSPTCL to look in to the issue and rectify the Air Conditioning system at the earliest

### **Deliberation in the meeting**

*Commissioning of Commtel equipment's has been done. However still Air conditioning at few of the locations needs to be recertified and improved by BSPTCL. BSPTCL has agreed to rectify the AC and improve Air Conditioning system by Feb-2016.*

- b) **Shifting of FODP :** Shifting of FODP is required to be carried out by BSPTCL at Bodhgaya & Fatwa to enable Commtel for commissioning of wideband link between Biharsharif –Bodhgaya & Biharshariff –Fatwa- Jakkanpur link respectively :-

BSPTCL agreed to shift the FODP and confirm POWERGRID for commissioning of the link.

### **Deliberation in the meeting**

*Commtel equipment has been shifted and work has been completed*

- c) **Shifting of existing PDH Mux :** Shifting of existing PDH Mux is required to be carried out by BSPTCL at Bodhgaya, Fatwa & Hajipur to enable Commtel to commission the WIDEBAND link between Biharsharif –Bodhgaya & Biharshariff – Fatwa- Jakkanpur & Samastipur –Hajipur Link :-

*BSPTCL agreed to shift the PDH MuX and confirm POWERGRID for commissioning of the link.*

### **Deliberation in the meeting**

*Work has been completed*

## **BSPTCL Points:**

1. **Closure of variances of SAT of the Hardware & Software of BSPTCL portion:** SAT of H/w & SW (except DTS & EMS) has been conducted between 02-02-15 to 27-02-2015. Variances are still open. Customised application i.e. view of data in different aspect, load shedding schedule, report generation etc. has not been developed yet :-

### **Deliberation in the meeting**

*Work has been completed*

#### **2. Testing of DO Controls.**

On checking of the system, M/s Chemtrols failed to perform the remote operation of breaker despite of SAT completed successfully.

### **Deliberation in the meeting**

*Work has been completed. However M/s Chemtrols has assured to resolve the issue if any by 09.01.2016.*

#### **3. Erroneous data reporting on changes in database of OSI.**

SCADA application is not stable till now.

### **Deliberation in the meeting**

*Work has been completed*

#### **4. Development of customized application for BSPTCL portion as well as overall view.**

Customised application i.e. view of data in different form, load shedding schedule, report generation etc. has not been developed yet.

In 4<sup>th</sup> PRM, M/s Chemtrols informed that for the above referred points 1, 2, 3 & 4, they are presently testing the SCADA/EMS system at ERLDC. After successful completion of testing and closing of variances at ERLDC, the same will be implemented at all the Control Centers of SLDC's including BSPTCL.

In 5<sup>th</sup> PRM, M/s Chemtrols agreed to close the above referred points 1, 2, 3 & 4 by 15<sup>th</sup>/Oct/2015.

### **Deliberation in the meeting**

*Work has been completed*

#### **5. Out of 101 RTUs, 73 RTUs has been delivered yet. I&C activities of RTU are slow. Only two team has been deployed.**

It has been assured in different Project review Meeting by m/s Chemtrols to deploy additional team for BSPTCL but team has not been deployed.

M/s Chemtrols agreed to deploy '01' team for SAT and '02' more teams for I&C by 30.07.2015

### **Deliberation in the meeting**

*M/s Chemtrols agreed to deploy the teams and complete installation activities by 31.01.2016*

#### **6. Readiness of Communication Link :**

Communication link for 26 nos GSS are only available at present. While communication of rest of the 75 GSS depends on the implementation of OPGW & PLCC package by POWERGRID. Commissioning of 4 nos. Newly constructed/under-constructed GSS may be affected due to non- availability of communication link in this financial year.

In 4<sup>th</sup> PRM, POWERGRID informed that regarding OPGW package for PRIORITY links (212 Km), re-negotiation with the party is being done and the same will be expected to be awarded within Aug-2015.



Regarding OPGW package for (850 Kms), the same is under award approval and expected to be awarded with in Aug-2015.  
Regarding communication package retendering of package to be done, which is in progress.

In 5<sup>th</sup> PRM, POWERGRID informed the packages priority links (212 Kms) and 850 Kms is expected to be awarded within 2 months.

#### **Deliberation in the meeting**

*POWERGRID informed the packages priority links (212 Kms) and OPGW Package for 850 Kms including PLCC package has been awarded. Communication package is yet to be awarded.*

7. **Outage of ICCP Communication Link between ERLDC, Kolkata and SLDC, Patna**  
ICCP communication provided at the time of testing of exchange of data between ERLDC & BSPTCL is out of working.

In 4<sup>th</sup> PRM, POWERGRID informed that the ICCP link presently provided through Telecom is working. ICCP link through ULDC network can be provided after commissioning of wideband communication equipment/OPGW links between Biharsharif –Fatwa & Fatwa-Jakkanpur & UGOFC link between Jakkanpur- PATNA SLDC. M/s POWERGRID also informed that M/s KEC to deploy team and complete UGOFC work by end of Aug-2015.

*In 5<sup>th</sup> PRM, Underground work between Jakkanpur- PATNA SLDC is held up due to permission from concerned authorities due to elections. The work will be expedited and is expected to be completed by Dec-2015.*

#### **Deliberation in the meeting**

*POWERGRID informed that ICCP link has already been provided through Telecom Network and Hiring Dark Fiber through third party. Underground work between Jakkanpur- PATNA SLDC is held up due to permission from concerned authorities and to be expedited with support from BSPTCL.*

8. **Supply of RTU at Pusouli on priority :**  
M/s Chemtrols has assured to deliver the RTU at Pusouli by 30<sup>th</sup> June but not delivered till date.

In 4<sup>th</sup> PRM, M/s Chemtrols to expedite the issue and supply the RTU on priority.

In 5<sup>th</sup> PRM, it was informed that Work will be completed after arranging of shutdown by BSPTCL.

#### **Deliberation in the meeting**

*Work has been completed*

### **OPTCL Points:**

#### **1. Microwave Reframing work:**

- a. As per MOM of 3<sup>rd</sup> PRM held on 02.06.2015, the OPGW commissioning work in Mancheswar- OPTCL HQ was scheduled to be completed by July, 2015. Schedule may be updated.

In 4<sup>th</sup> PRM, POWERGRID informed that all the materials pertaining to the Link including Hardware is available and M/s KEC will deploy team from 03.08.2015 and OPGW installation will be completed by 15.08.2015.

In 5<sup>th</sup> PRM, POWERGRID stated that work is in progress and will be completed by 10/Oct/2015.

**Deliberation in the meeting**

*M/s POWERGRID / KEC has conformed for completion of work by 12.01.2016.*

- b. As per 3<sup>rd</sup> PRM, SAT schedule for the OPGW links was proposed to be started from 15<sup>th</sup> June, 2015 and completed by July, 2015. M/s KEC has not started any SAT so far. Schedule may be updated.

In 5<sup>th</sup> PRM, POWERGRID/M/s KEC informed that SAT of OPGW will be completed by 31/10/2015.

**Deliberation in the meeting**

*M/s POWERGRID / KEC has conformed for SAT of the OPGW links will done w.e.f 15.01.2016 and will be completed on or before 15.02.2016.*

**2. New RTU integration:**

- a. As per 3<sup>rd</sup> MOM Installation of DPLC to be completed by Aug-2015. Commissioning schedule of DPLC may be submitted.
- b. Installation/commissioning status of outdoor coupling equipment, Battery charger, Battery may be submitted by POWERGRID. Waybill has been issued by OPTCL.

In 4<sup>th</sup> PRM, POWERGRID informed that installation of Digital PLCC equipment has been completed at all sites where ever work front is available. POWERGRID informed that supply of balance outdoor equipment will be done by end of Aug-2015. POWERGRID informed that detail completion status of commissioning of PLCC & outdoor will be provided to OPTCL after having a meeting with M/s ALSTOM.

*In 5th PRM, POWERGRID / M/s Alstom stated that the all efforts will be taken for completion of all the works under the package by end of Dec-2015.*

**Deliberation in the meeting**

*M/s POWERGRID / M/s Alstom stated that in order to commission the links shutdown of the lines is required .OPTCL has requested to forwarding list of lines for which shutdown is required at least "04" days in advance . OPTCL has assured to provide shutdown of the lines and has requested POWERGRID to expedite completion of the work. POWERGRID / Alstom has assured that all efforts will be taken for completion of work on or before 31.03.2016.*

**3. SCADA interface to all 220kV s/s:**

**a) OPGW Installation in TL of OPTCL Sector:-**

As per MOM of 3<sup>RD</sup> PRM, OPGW installation on TL of OPTCL sector was to be completed by July, 2015

In 4<sup>th</sup> PRM, POWERGRID informed that '01' (One) gang is already working at site and 2<sup>nd</sup> Gang will be deputed by 26.07.2015. POWERGRID informed that all the OPGW works executed by M/s LS cable & system Ltd in OPTCL will be completed by end of Sep-2015.

*In 5<sup>th</sup> PRM, POWERGRID / M/s LS cable & system Ltd stated that the all efforts*

will be taken for completion of all the works under the package by end of Dec-2015.

#### **Deliberation in the meeting**

*POWERGRID has stated that OPGW installation work will be completed by end of Jan-16 .End mile connectivity works including splicing, laying of approach cable and commissioning of links will be completed by end of Feb-2015.*

#### **b) Supply of 5 new RTUs, one each at 4 sub-LDCs and one at Balasore :-**

In line with decision taken in last PRM, PGCIL should revert back to OPTCL after discussion with M/s Chemtrols. OPTCL has not received any confirmation in this regard so far. -PGCIL may update

In 4<sup>th</sup> PRM, M/s Chemtrols agreed to submit the offer by 27.07.2015. POWERGRID will take necessary action after receiving of offer from M/s Chemtrols and expedite for earliest supply of RTU's.

In 5<sup>th</sup> PRM, POWERGRID stated that there is no price break up for the RTU's in the contract and has requested OPTCL for procurement of RTU's from other contract .OPTCL has requested letter from POWERGRID regarding the same for which POWERGRID has agreed.

#### **Deliberation in the meeting**

*POWERGRID has stated that there is no price break up for the RTU's in the contract and the same is under finalization .POWERGRID has assured for issue of Amend to the contract by 07.01.2016.*

#### **c) Provision of VCS at SLDC,Bhubaneswar :**

In 4<sup>th</sup> PRM, POWERGRID informed that amend for supply of VCS at Bhubaneswar has already been issued. M/s Chemtrols has informed that they will expedite for supply of VCS at the earliest.

*In 5<sup>th</sup> PRM, M/s POWERGRID / Chemtrols stated that they will complete installation work by 15.11.2015.*

#### **Deliberation in the meeting**

*POWERGRID has stated that FAT of VCS has already been completed and will reach site by 1st week of Jan-2016.*

#### **d) ROW issue in Burla New-Bolangir New OPGW links:**

OPTCL has already intimated the matter to district administration and has got assurance form the authorities to get help during execution of the work.

In 4<sup>th</sup> PRM, POWERGRID requested OPTCL to resolve ROW issues and issue PTW as per the request of M/s LS cable & system Ltd. POWERGRID informed that all the OPGW works executed by M/s LS cable & system Ltd in OPTCL will be completed by end of Sep-2015.

In 5<sup>th</sup> PRM, POWERGRID requested OPTCL to resolve ROW issues and issue PTW as per the request of M/s LS cable & system Ltd. POWERGRID informed that all the OPGW works executed by M/s LS cable & system Ltd in OPTCL will be completed by end of Dec-2015.

### **Deliberation in the meeting**

*POWERGRID requested OPTCL to resolve ROW issues and issue PTW as per the request of M/s LS cable & system Ltd. POWERGRID informed that all the OPGW works executed by M/s LS cable & system Ltd in OPTCL will be completed by end of Feb-2016.*

#### **4. Restoration of OPGW link between Rourkela PG-Kaniha:**

ICCP link between SLDC, BBSR to ERLDC, Kolkata as well as data of Budhipadar sub-LDC are interrupted due to fibre loss between Rourkela PG to Kaniha OPGW link. Powegrid may be intimated to restore the said OPGW link.

In 4<sup>th</sup> PRM, POWERGRID informed OPTCL that OPGW link between Rourkela- Talcher has been rectified much earlier and presently there is no problem in the Link .However POWERGRID has agreed to test the link once again and submit the status of the link to OPTCL.

In 5<sup>th</sup> PRM, POWERGRID stated that the Link is presently stable and the communication equipment pertaining to Barkot repeater will be commissioned by Oct -2015 which will further improve performance of the link.

### **Deliberation in the meeting**

*Work has been completed*

### **WBSETCL Points:**

1. Sagar 2 i, e data pertaining to Analog & Digital value of Sagardighi- Behrampur line is not reporting since last 5 months :-

In 4<sup>th</sup> PRM, POWERGRID informed that they would look in to the issue and revert back

In 5<sup>th</sup> PRM, POWERGRID informed that they would look in to the issue and revert back.

### **Deliberation in the meeting**

*Work has been completed. Data mismatch if any needs to be done by M/s Chemtrols and WBSETCL.*

2. Ring protection to be implemented early by providing 6 no. protection KLM with management byte from Kasba to Durgapur commtel mux :-

In 4<sup>th</sup> PRM, POWERGRID informed that they will provide protection path through POWERGRID network by 24.07.2015.

In 5<sup>th</sup> PRM, POWERGRID stated that they have already provided the link. However testing of the link will be done by 30/sep/2015.

### **Deliberation in the meeting**

*Work has been completed.*

3. Final OPGW SAT for MW replacement project in WBESTCL area is not executed.

In 4<sup>th</sup> PRM, POWERGRID informed that SAT of the OPGW links will be completed within Sep- 2015

In 5<sup>th</sup> PRM, POWERGRID informed that SAT of the OPGW links will be completed within Dec-2015

#### **Deliberation in the meeting**

*M/s POWERGRID /KEC has stated that SAT of 10/15 links has been Completed. They have assured that SAT of balance links will be completed by end of Jan-2016.*

4. North Bengal traffic particularly 2w &4w voice channels are not healthy. As per velocis engineer this happens due to 'cas' failure. Hence North Bengal traffic should on spare fiber not on electrical E1 patching.

In 4<sup>th</sup> PRM, POWERGRID informed that the issue will be attended by maintenance engineer of M/s LS Cable & system Ltd (M/s Vellocis).

In 5<sup>th</sup> PRM, It was informed that the issue has been resolved.

#### **Deliberation in the meeting**

*Work has been completed.*

5. Orange engineers could not establish E&M trunk with existing exchange.

In 4<sup>th</sup> PRM, POWERGRID informed that the existing exchange of WBSETCL is of Type-5 which is of lower and very old version and the exchange installed by Orange is of Type-1 (new version). Integration of the same is not possible due to compatibility issue. However POWERGRID has informed that they will once again discuss the issue with M/s Orange and revert back.

In 5<sup>th</sup> PRM, POWERGRID stated that integration of BPL exchange with Orange Exchange is not possible due to compatible issues. However WBSETCL has requested for integration with their CGL exchange. POWERGRID has agreed for the same and has requested for arranging CGL engineer and confirm the same to POWERGRID for integration.

#### **Deliberation in the meeting**

*POWERGRID stated that integration of BPL exchange with Orange Exchange is not possible due to compatible issues. However, WBSETCL has requested for integration with their CGL exchange. POWERGRID has agreed for the same and has requested for arranging CGL engineer and conform the same to POWERGRID for taking efforts for joint testing/integration.*

#### **DVC Points:**

- 1) Fibre connectivity between Howrah, DVC and ERLDC to be worked out

Member secretary informed that a meeting with higher officials of DVC & WBSECTL will be arranged in the next week to discuss the issue.

In 5<sup>th</sup> PRM, Member secretary informed that a meeting with higher officials of DVC &

WBSECTL will be arranged by October-2015

### **Deliberation in the meeting**

*DVC has confirmed that they are in the process of hiring dark fiber from the third party and will provide the link by end of Feb-16. However, POWERGRID has stated that Installation activities has already commenced and has requested DVC for provision of the link by 15.01.2016. DVC has assured that all efforts will be taken for provision of the link at the earliest.*

- 2) DVC has finished civil/electrical works at Maithon. Chemtrols to start I/c of CC equipments from 01/08/2015 as agreed by them earlier.

In 5<sup>th</sup> PRM, M/s Chemtrols agreed to deploy team from 01.10.2015

### **Deliberation in the meeting**

*Work has been completed.*

- 3) Chemtrols to give timeline for completion of all RTU activities.

In 4<sup>th</sup> PRM, M/s Chemtrols to submit action plan for completion of RTU activities with in week.

### **Deliberation in the meeting**

*M/s Chemtrols to complete action plan for completion of RTU activities.*

### **SIKKIM Points:**

- 1) DG foundation

In 4<sup>th</sup> PRM, Sikkim informed that DG set available at Sikkim Monitoring centre (SMC) is not required at Sikkim and to be transported and installed at Melli sub-station. POWERGRID informed that request from Sikkim in this regard is required. More over POWERGRID has informed that transportation of DG set needs to be done by Sikkim. After transportation conformation and readiness of foundation and termination details to be confirmed by Sikkim for commissioning of DG set by M/s Chemtrols.

In 5<sup>th</sup> PRM, It was informed that the work is yet to get it done by PED, Sikkim.

### **Deliberation in the meeting**

*It was informed that the work is yet to get it done by PED, Sikkim.*

- 2) DCPS & Communication requirement at RTU Locations

In 4<sup>th</sup> PRM, POWERGRID informed that necessary provision for supply of DCPS and associated battery bank and communication equipment where ever OPGW connectivity is available has been incorporated in M/s Commtel package and suitable amendment in this regard will be issued by July -15.

In 5<sup>th</sup> PRM, it was informed that the same be supplied and commissioned by 31/Oct/2015.

### **Deliberation in the meeting**

*M/s POWERGRID /CommTel has stated that they have already supplied the DCPS and will commission the same on or before 31.01.2016.*

### **ERLDC Agenda**

#### **1) Commencement of functioning of New Control Centre (OSI/Chemtrols):**

Please refer to the Minutes of SCADA/EMS up-gradation project meeting in Eastern Region held at ERLDC Kolkata on 15th July 2015 where in it was deliberated in detail for readiness of all OSI / Chemtrols system before December 2015 because of expiration of AMC of present Alstom system on 17th January 2016. Every constituent agreed for readiness of new system before December 2015.

Members may update the status.

### **Deliberation in the meeting**

*ERLDC stated that AMC of Alstom system will expire in Mid of Jan-2016 and no extension of AMC will be done further. ERLDC requested for shifting all the constituents to M/s Chemtrols system.*

#### **2) Video Conferencing System (VCS) Connectivity:**

It is learnt from Chemtrols that VCS In most of the control center is already commissioned. ERLDC tried to get all VCS tested before recent workshop on REC mechanism on 11th December 2015 and faced certain difficulties so it is requested to provide the coordinators names from all constituents so that VCS could be utilized properly.

### **Deliberation in the meeting**

*All the constituents agreed.*

#### **3) Hotline Voice Communication System (M/s Orange):**

Hotline Voice Communication System is already installed at all ER Constituents, RLDCs and NLDC. It is observed that in some of the Load Despatch centre, Orange system is kept in switch off condition. Shifting of old analog phone, installation of new phone with Orange System for all Central sector S/s, MPP, IPP etc is under progress.

It is therefore requested to all constituents to utilize the new voice communication system to maximum extent possible.

### **Deliberation in the meeting**

*Constituents agreed for full-fledged utilization of Orange communication system.*

#### **4) Protection path between ERLDC & Kasba :**

Protection path between ERLDC & Kasba is not available; causing outage of important links i.e. all new ICCP communication links between SLDCs to ERLDC & PMU data etc in case of link break down. Necessary provision may be provided for data / link redundancy.

### **Deliberation in the meeting**

*POWERGRID has stated that work is progress and all efforts will be taken for completion of UGOFCC work on or before Feb, 2016.*



**Participants in 6<sup>th</sup> PRM Meeting of ERPC**

Venue: ERPC Conference Room, Kolkata

Time: 11:00 hrs

Date: 29.12.2015 (Tuesday)

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"Coming together is a beginning, staying together is progress, and working together is success." -Henry Ford



### Participants in 6<sup>th</sup> PRM Meeting of ERPC

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