

Agenda Points for Special Meeting with M/S Chemtrols on 04.05.2023 **at ERPC, Kolkata**

1. Agenda by Bihar

1.1 Replacement of 02 (Two) Nos. of obsolete external firewalls of SCADA of SLDC Patna:

Recently, BSPTCL has come across that the support of License of main and backup external firewall of SCADA has been over and both the firewalls have already reached to their EoL (End of Life) and now it is obsolete. As, the obsolescence of firewall makes the SCADA system highly vulnerable and they are under AMC of M/s Chemtrols Industries Pvt. Ltd, there is an urgent requirement to replace these firewalls with the updated and latest versions/ specifications of firewalls. Also, this is to mention that, the SMPS of backup external firewall has been burnt since long. This is also to bring to your kind attention that, in the reference (iii), it is mentioned that, "As per the recommendation by MoP in various meetings, end of support devices/ software should be either upgraded or replaced.

In the light of the above, the details of End of life of both the firewalls are listed below and it is kindly requested to replace with the latest version of firewalls at the earliest.

SI.No.	MAC ADDRESS	END OF LIFE (EoL)	SUPPORT EXPIRED
1.	00:1C:7F:37:A0:5 (Main External firewall)	30/June/2022	29/May/2018
2	00:1C:7F:37:AA:F5 (Backup External firewall)	30/June/2022	30/June/2015

M/s Chemtrols may update.

2. Agenda by DVC

2.1 Extension of AMC for 2 years

M/s Chemtrols is yet to accept our offer (DVC letter dtd. 21-04-2023) for extension of AMC at the rate approved by 46th ERPC board. Our earlier communications (DVC letter dtd. 28-03-2023 and Chemtrols letter dtd. 20-04-2023) in this regard are attached herewith. Minutes of special Meeting dtd 26-04-2022 regarding replacement of external firewall is also attached herewith. Regarding inclusion of RTU in the existing AMC contract, relevant pages of PGCIL contract documents- Volume-B are worth mentioning and hence attached herewith. Existing contract of DVC is expiring on 30-06-2023.

2.2 Non return of mandatory spares

Despite several requests and reminders, M/s Chemtrols has not returned faulty spares (List is attached)

M/s Chemtrols may update.

3. Agenda by JUSNL

3.1. Non-functioning of ADMS application:

The ADMS application is not operating properly. It has been observed that appropriate feeders do not cut off even when the implemented ADMS logic gets satisfied. Sometimes feeders associated with GSS reporting through GPRS operate but those reporting through OPGW do not operate or vice-versa. Furthermore, sometimes neither feeders associated with GSS reporting through GPRS nor those reporting through OPGW operate. In this regard proper support for fault removal in ADMS operation is not being provided by the concerned agency.

In a meeting held between JUSNL and M/s Chemtrols on 4th and 5th April'2023, it was agreed that M/s Chemtrols will demonstrate the ADMS operation once again to JUSNL after checking the manual operation of DO command for those particular feeders.

3.2. Unavailability of spare parts for rectification of fault:

Due to faulty SMPS, LDMS at most of the sites is not working. Even after the assurance of M/s Chemtrols regarding supply of spare materials by the end of November 2021, the said issues are still as it is and supply of spare material is still awaited.

In a meeting held between JUSNL and M/s Chemtrols on 4th and 5th April'2023, M/s Chemtrols has pointed out that RTU & LDMS maintenance was not included in the scope of original AMC contract. However, till date they (M/s Chemtrols) have been providing necessary support.

3.3. Replacement of UPS and Battery Bank:

Two nos. of UPS installed at SLDC was in non-working condition for last several months. Out of two UPSs, one has been replaced on rent basis but another is still in faulty condition. The same needs to be replaced along with associated battery bank without delay.

In a meeting held between JUSNL and M/s Chemtrols on 4th and 5th April'2023, M/s Chemtrols had conveyed that UPS issue shall be rectified by the end of May'2023. M/s Chemtrols has requested JUSNL to procure the new battery bank under the new proposed AMC renewal clauses.

3.4. Fault in one screen of VPS :

One no. screen of VPS is not working since 01.02.2023. M/s Chemtrols has been informed and requested for rectifying the issue urgently, but the same is yet to be rectified.

In a meeting held between JUSNL and M/s Chemtrols on 4th and 5th April'2023, M/s Chemtrols has conveyed that VPS issue will be attended by 15th April'2023 to rectify the issue.

3.5. Cyber Security Audit:

The report of cyber security Audit conducted during 14.06.2021 to 13.06.2022 has not been submitted to SCADA, SLDC till date. Requests for the same as well as intimation about the tentative date for next Audit to be conducted in 2022-23 has been made to M/s Chemtrols. Report/ Reply is awaiting.

In a meeting held between JUSNL and M/s Chemtrols on 4th and 5th April'2023, M/s Chemtrols will submit the last year (2022) audit report by 15th April' 2023 and new Audit schedule will be shared with JUSNL by the end of April'2023.

3.6. Up gradtion/ renewal of Firewall with license :

License of 02 nos. of internal firewall has been expired in last year and that of 02 nos. external firewall is going to be expired in July 2023. The expired license is to be renewed urgently. Further, all o4 nos. existing firewalls are to be up graded.

In a meeting held between JUSNL and M/s Chemtrols on 4th and 5th April'2023, M/s Chemtrols requested JUSNL to procure the Firewalls under the new proposed AMC renewal clause.

3.7. Extension of SCADA/ EMS AMC:

The existing SCADA/EMS maintenance contract is going to expire on 13.06.2023. The same is to be extended further for 02 years as discussed in 46th ERPC meeting held on 06.08.2022.

In a meeting held between JUSNL and M/s Chemtrols on 4th and 5th April'2023, It was discussed that AMC contract for two years period (14.06.2023 to 13.06.2025) shall be extended under the same rate, terms and conditions with the following extent:

- i) JUSNL will procure the new Firewalls (External & Internal) from M/s Chemtrols on cost-to-cost basis.
- ii) JUSNL will procure /replace the faulty battery bank with new battery bank.
- iii) As the complexity and depth of Cyber Security measures have been increased many folds compared to the time when the existing contract was awarded, since the earlier VAPT rate was very low compared to the present Cyber Security complexity. Thus M/s Chemtrols will provide new offer for Cyber Security Audit and compliance for new extended period.
- iv) JUSNL is to reduce the existing Performance Bank Guarantee Value to 3% of the proposed 02 years AMC contract value.
- v) As RTU & LDMS was not in the part of existing AMC contract, M/s Chemtrols given offer for two years comprehensive AMC for RTU & LDMS as under:

No. of RTU	Total RTU Comprehensive AMC price per Qtr. (excluding Tax)	Total RTU Comprehensive AMC price for two years (excluding Tax)
15	4,50,000.00	36,00,000.00

3.8. OS up-gradation of SCADA workstations:

An offer has been requested for OS up-gradation from M/s Chemtrols in line with the 13th TeST meeting. Reply from M/s Chemtrols is still awaited.

M/s Chemtrols may update.

4. Agenda by WBSETCL

4.1. Cyber security audit

Report of Cyber security audit which was conducted on February 2022 is still pending.

4.2. Return of all nodes

Return of all nodes which were collected from different RTU for repairing purposes is still pending. In Special meeting held on 26.04.2022, M/S Chemtrols representative informed that nodes taken by them would be returned by the end of June 2022 but still they had not returned them.

4.3. Battery Bank

Battery Bank-1 of UPS1 installed at Abhikshan Bhavan (BCC) has been defective since long.

4.4. Integration of new RTU

Integration of New RTU (50 nos) / Feeders (100 nos) with existing SCADA system during AMC period of ULDC Phase-II that was under scope of M/S Chemtrols that will be carried forward to the extension of the AMC period.

M/s Chemtrols may update.