

Eastern Regional Power Committee, Kolkata

Minutes of Special Meeting on Preparation of Phasing out Plan in respect of non compliant thermal units of Eastern Region for implementation of new Environmental Norms, issued by MOEF&CC held on 24.03.2017 at 11:30 Hrs. at ERPC, Kolkata.

List of participants in the meeting is enclosed in **Annexure – I**.

Member Secretary, ERPC welcomed all the participants and thanked all the members for attending the meeting on short notice. He informed that New Environmental Norms issued by MoEF&CC are required to be implemented. Presently, in India there is about 72 GW capacity of thermal units, which are not in a position to install FGDs due to non-availability of space. Only for Eastern Region this figure is 15143 MW (73 nos. units). As these units would not be able to meet new SOx emission norms are required to be phased out.

In the meeting held on 14th March 2017, between Secretary (P) and Secretary (MoEF&CC), it was decided that CEA would prepare the plan for phasing out the aforesaid. Subsequently, a meeting was held at CEA for discussion on this issue on 17.03.2017 and it was decided that RPC secretariat would call an urgent meeting with constituents on this issue and prepare a phasing out plan in consultation with all utilities including RLDCs. The phasing out plan should consider grid operation issues like grid security, transmission constraints and local problems like radial loads. The focus of the whole exercise should be technical like maintaining load generation balance and grid security aspects, as commercial aspect would be looked after by appropriate commission.

GM, ERLDC gave a detailed presentation on Phasing out of non-compliant thermal units (the presentation is enclosed at **Annexure-II**). He highlighted the effect of phasing out of thermal units in ER, the power supply position of ER (State-wise), shortfall (state-wise) of availability from own source as well as from central sector, grid security aspects etc. It was informed that out of 15143 MW the in service capacity of 13878 MW will be phased out in ER; the rest are either not in service or decommissioned by the respective utilities. He suggested that the phasing out may be done in keeping the factors under the consideration like criterion of Grid security, Load Centre, Connectivity voltage level, Generation level etc.

JUSNL informed that Patratu TPS units are already out of operation and can be phased out.

As no TVNL representative was present, JUSNL representative was advised to coordinate with TVNL and submit the plan of TVNL units.

DVC informed that Durgapur TPS Unit # 3 and CTPS unit # 1 has been de-commissioned w.e.f. 10.03.2016 & 13.01.2017 respectively.

DTPS U#4 and BTPS-B U# 1 & 2 are at load centres and could not be phased out as it may create constraints and endanger grid security. Also confirmed that Sox is within the permissible limit for Bokaro-B units.

CTPS U#2 & 3 may be phased out in planned manner by June, 2018 after the commissioning of 132 kV Dhanbad-Patherdih line.

Regarding Mejia U # 1,2,3,4 & 5 there is no space for FGD installation; however the SOx and NOx levels are maintained within the limit.

GRIDCO informed that TTPS old units had been renovated in 2000 with the cost of Rs. 800 Cr. and in consultation with CEA. The life of TTPS units has been enhanced upto 2020-21. Presently the plant is one of the highest PLF plant in India. Further, these units are within the load centre of Odisha.

WBPDC informed that Bandel TPS and Kolaghat TPS are within the load centres of West Bengal. Further it was added that major R&M of Bandel U#5 has been carried out recently. So, the date of commissioning may be considered from the date of completion of R&M. Also one unit operation of the Bandel plant is not possible. Gradually 3 nos. smaller units may be decommissioned and the same space can be utilized for installation of FGD for 2 units. Also they mentioned that R&M project for the smaller units are in advance stage and also they plan to run the units in shift operation.

Regarding Kolaghta TPS, FGD space is available for U# 1, 2 & 3 and study will be carried out for availability of space for FGD of U# 4, 5 & 6.

Santaldih U# 1, 2, 3 \$ are already decommissioned.

For Sagardighi U# 1 & 2 and Santaldih U 5 & 6 space for FGD installation is available.

For Bakreswar units space availability has to be checked.

Member Secretary advised WBPDC to submit its complete plan for FGD installation along with the space availability documents.

CESC informed that Southern U# 1 & 2 are occasionally being used at present and Titagarh U#1, 2, 3 & 4 are presently not in operation. They will phase out both the plants gradually.

DPL informed that their U#6 will come on bar by 14.04.17. Members advised to phase out this unit as it was not in operation since more than last 4 years.

Regarding DPL U#7 & U#8, there is space available for installation of FGD.

NTPC informed that for FSTPS U 1,2,3,4 & 5 and KhSTPS U# 1,2, 3 & 4 units have no space for FGD installation and these units will be kept for shift operation for matching generation with the solar.

Regarding KhSTPS U# 5 & 6 space is available for FGD installation and it will be installed in 2023-24.

NTPC representative assure to communicate shortly their plan regarding BRBCL, Nabinagar unit.

As there was no representation from Bihar, decision on Barauni U# 6 & 7 which are not generating since long (2012 & 2006 respectively) and KBUNL U# 1 & 2, no decision could be taken up.

There was no representation from IBUEL, so the same could not be discussed.

After detail deliberation, it was decided that all generating utilities will submit their phasing out plan for thermal units where FGD installation is not possible by 29.03.2017 directly to CEA with a copy to ERPC positively.

Further, it was also decided that the utilities, which are facing difficulties in closing these units by December 2017, should clearly mentioned the reason with proper explanation from their respective STU/SLDC to enable CEA to took up the issue with MoP and MoEF.

Before concluding the meeting Member Secretary once again request all participants to furnish their detail plan along with proper justification to the Chief Engineer, GM Division in his email: **cegmcea1@gmail.com** positively by 29.03.2017 (Wednesday) with a copy to ERPC secretariat.

Meeting ended with vote of thanks to the chair.
