

1. Implementation of 4th Phase AMR in Eastern Region:-

Already 249 Meters are integrated under 3rd Phase of AMR system across Eastern Region as per LOA placed upon M/S. TCS. Now certain new locations and few new feeders at existing locations, also came within this period which need to be integrated now. Accordingly ERLDC has provided the list of SEM's against location wise **(Attached as Annexure-AA)**. In total approx. 150 SEM's need to be integrated under 4th phase of integration.

Going by the previous LOA and standard escalation of component price on Year to Year basis a tentative cost estimate prepared which is attached as Annexure-BB for reference. Total cost estimate comes to **Rs. 93,56,948/- (Rs. Ninety three lacs fifty six thousand nine hundred forty eight only)**.

Considering the implementation of 4th phase AMR, it is proposed to finalize the contract with M/S. TCS on Single Tender basis, however, exact value will be intimated afterwards when negotiation will be completed with TCS.

In addition to above already discussion is going on with M/S. TCS regarding quantity variation of the existing contract for execution of atleast few meters immediately with same rate of existing LOA. On finalization of the issue exact quantities of SEM & cost implication for quantity variation will be intimated.

Members may discuss.

2. Antitheft charging of 400 KV Alipurduar-Phunatsangchu-D/C up to Indian Border (64.2 KM from Alipurduar SS):-

Under strengthening scheme for development of pooling station at Northern part of West Bengal for power evacuation from Bhutan to NR/WR, 400 KV Alipurduar-Phunatsanchu-D/C line is envisaged. Now POWERGRID has already constructed the line from Alipurduar S/S to India Border (Total: 64.2 KM, Quad Moose, Double Circuit

Line). However, Bhutan portion is yet to complete and in totality the power flow is expected in May'2018.

As POWERGRID portion is already completed and during construction itself the amount of problem faced in terms of ROW and based upon previous history, the border area is very much theft prone. Considering the delay in commissioning of Hydro projects at Bhutan side it is proposed to accommodate antitheft permission for the completed portion till complete commissioning of the line to avoid unnecessary loss/damage of assets.

The line will be kept antitheft charged from Alipurduar HVDC S/S as per CTU instruction considering present Grid conditions. Also, DOCO of the lines will be done as per prevailing regulations of CERC.

3. Shut down of 400 KV Rangpo-Teesta-III & 220 KV Rangpo-New Melli-I line for rectification of GIB by Hyosung.

400/220/132 KV Rangpo S/S is a GIS S/S constitute of separate voltage levels in different GIS Building. Every voltage level consists of inside GIB & outside GIB. Complete GIS system is supplied by M/S. Hyosung, South Korea.

In recent past it is observed that, SF₆ gas leakages developed in outside GIB of different feeders. Time and again the Gas is being replenished on SOS basis to avoid, unwanted tripping of connected feeders. However recent trend shows rise in SF₆ gas leakage, specifically for 02 feeders, namely, 400 KV Teesta-III and 220 KV New Melli-I.

As attending leakage in GIB, required special skill, M/S. Hyosung has been called upon for identification and providing necessary solutions for the same. After thorough investigation, M/S. Hyosung provided detailed rectification procedure involving replacement of GIB section also. However to carry out the rectification a standard procedure to be followed involving, Draining of SF₆ gas for particular section and following drying up procedure & replacement. In total to complete the

activity for both the feeders as per Hyosung, followings are the requirement of S/D:-

1. 400 KV Rangpo-Teesta-III: For 05 Days on Continuous basis.

2. 220 KV New Melli-I: For 03 Days on Continuous basis.

As total team will come from Korea itself, we need to provide them exact S/D dates for arranging documentation formalities. In view of above, it is requested to provide S/D approval for the above element as follows:-

Sl No	Name of Element	From	To	Nature
01.	400 KV RANGPO-TEESTA-III	10:00 Hrs. of 31.03.18	16:00 Hrs of 05.04.18	OCB
02.	220 KV Rangpo-New Melli-I	10:00 Hrs. of 06.04.18	16:00 Hrs of 08.04.18	OCB

Outage of the above elements may kindly be treated as per provisions of regulations.