

Proceedings of the Review Meeting taken by Member (RM) on 03.12.2019 to discuss various issues pertaining to Telemetry

1.1 Background: Member (RM) conducted a Review Meeting on 3rd December 2019 at 1600 hrs in his chamber to review various issues concerning Telemetry System such as Status of Installation of Telemetry in field organization, Issues of payment, Working of Telemetry Stations in correct and real-time basis, Use of data transmitted by telemetry stations and Conversion of telemetry from PRBS to TDMA.

In the review meeting, officers above DD level from FMO, P&DO and YBO participated along with Director (RMCD). The proceedings of the meeting are as given below along with actionable points:

2.0 Proceedings: Member (RM) while welcoming the officers initiated the proceedings and desired that the Telemetry Data should be used properly in the flood forecast formulation and enquired about the bottlenecks in using the data on real –time basis and directed the officers to give their views on the status of the use of telemetry data.

2.1 Executive Engineer, UYD, CWC, New Delhi informed that the data is not being used because of validation issues. He informed that many of the water level stations are not tallying with the manual readings and informed that the error are also not systematic but random because of which the data cannot be utilized for real-time forecast. He showed that comparison graph of radar reading of a dam which showed significant variations from the data received manually. After detailed discussions, Member (RM) directed that **all field offices should validate the data for their correctness both through graphical form in the modeling centre and by comparing the displayed value in the DCU and the actual gauge levels while inspecting the stations as given in SOP for Upkeep and Maintenance of Telemetry System. He also suggested that validation should be done separately for each category of Radar and Bubbler Stations. He further desired that the validation should be done on a daily basis by all Divisions and graphical results sent to all concerned including headquarters as well as to concerned vendor for taking up necessary corrective measures.**

(Action: All field CEs/ Modelling Centres)

2.2 Member (RM) further directed that the graphical **validation of telemetry data with manual readings for stations having radar sensors and bubbler sensors separately should be presented by those who have been nominated for the Training on Telemetry in the presence of Member (RM) to be held from 10th to 12th December 2019 at New Delhi. If there is variation in manual readings and telemetry readings of the stations, the reason for variation for each station may also be presented.**

(Action: All field CEs/ All nominated Trainees from various Divisions)

2.3 It was informed that radar based telemetry data from sites under UGBO are being utilized on real –time basis. Member (RM) desired that **feedback on such data utilization and validation of those data with manual readings and the performance accuracy of the flood forecast for those stations is to be documented and sent to Director (FFM) for appraising Member (RM).**

(Action: CE (UGBO))

2.4 It was also felt that in order to use the data, the telemetry data has to be made available in usable format so that these can be directly injected into the models. Director (FCA-2) also informed regarding the network stability/ sensitivity which reduces the usability of these data. It was also informed that WIMS is trying to make a usable platform for utilizing the telemetry data in models. **CE (P&D) informed that the consultants for eSWIS is available for making any customizations required for getting usable data and the concerned modeling Directorates should utilize these consultants effectively so that proper data sets can be utilized for injecting in the models. He further informed that the consultant will be available only for limited period and hence the concerned Directorates should utilize their services in consultation with Director (RDC-2) at the earliest for all customizations/corrections/modifications etc.**

(Action: CE (P&D)/CE (FM)/ Director (FFM)/ (FCA-1)/ (FCA-2)/(RDC-2))

2.5 Member (RM) directed that **all out effort should be made to utilize the Telemetry Data in all models which are being used for formulation of forecast. He further directed that since DWRIS scheme is likely to be evaluated by NITI Ayog shortly, every effort should be made to use the telemetry data after due validation (this matter has been reported many times by Member (RM) to all the field formation of CWC) so that the infrastructures created are utilized at optimum level.**

(Action: CE (FM)/CE (P&D) and ALL field CEs)

The meeting ended with thanks to the Chair.