

**SIX MONTHLY PROGRESS REPORTS OF UMIAM STAGE –I
H.E. PROJECT (4 X 9) MW, RI-BHOI DISTRICT, MEGHALAYA,
ENDING DEC, 2022**

NO. J-12011/13/96-IA.I DATED 21ST AUG, 1996

SPECIFICATION CONDITIONS	STATUS OF COMPLIANCE
i). Adequate fuel arrangements should be made for the labourers employed during construction/modernization work to avoid destruction of vegetation cover in the surrounding areas	i). The fuel arrangement was provided during the construction stage by the erstwhile ASEB and completed in 1965. The Renovation and Modernization (R&M), carried out in the year 2011, which mostly comprised of Electro-mechanical works, which were carried out by professionals, within the Power House premises. Hence, there is no loss of vegetation cover. Therefore, the condition is complied.
ii). Proper restoration of the area should be ensured after completion of the project	ii). Restoration of the area during construction period was taken up by the erstwhile ASEB which was completed in 1965. During the Renovation and Modernization work, no Civil works had been undertaken and as such, restoration of the area did not arise. However, in the vicinity of the Project area, plantation of trees has been taken up. Therefore, the condition is complied.
iii). The Project authorities should undertake periodic reservoir sedimentation monitoring studies (using hydrographic and remote sensing techniques) for estimating pattern and quantity of siltation in the reservoir along with the mitigative measures and financial support from the Project.	iii). The MeECL had undertaken the Hydrographic Surveys & Sedimentation Studies during the year 2004 using high tech equipments like DGPS, Digital Echo Sounder, Total Station with Auto Level to conduct hydrographic and topographic surveys in the water spread area of the reservoir up to FRL for estimating pattern and quantity of siltation. Accordingly, the MeECL has prepared the Reports for Mitigative measures and of Watershed Management measures. Central Water Commission in its letter vide No. 30/1/74-PA(S);1259 dt. 17.09.2007 has given its comments that the rate of sedimentation in Umiam reservoir is not alarming for the maintenance and preservation of the health of the reservoir for the time being or near future.
iv). The Project authorities should submit a note by October 1996 on reservoir storage on sedimentation/siltation and water requirement of the project, after renovation and modernization.	iv). The MeECL has submitted the Executive Summary of the Project reports to the Ministry on Reservoir Storage on sedimentation/siltation of Umiam reservoir vide No. CE/C/HP&SH/T-44/2007/20 dt. 20 th June, 2007. Sedimentation studies were carried out by Tojo Vikas International Pvt. Ltd. in the year 2004 and by WAPCOS in the year 2012. The storage of the reservoir during the initial year of operation is 183 MCM. Live storage is 143.60 MCM and Dead storage is 39.40 MCM. The rate of sedimentation as per studies carried out in 2004 is 23.76 Ha-m/100sqkm/year. The water requirement by Umiam Power Station (4x9)MW at full capacity is 28.12 cumecs.
v). Financial requirements for implementation of above conditions should be work out at the Project fund and detailed budget with action plan should be furnished by October, 1996 to the Ministry. The funds required should be kept in a separate account and should not be utilized for other purposes.	v). The work has been completed and a report on the financial requirements has been forwarded to the office of the Ministry of Environment, Forest and Climate Change vide letter no. EE/C/Env.Div/Misc-26/2015-16/75 dated 17 th June, 2019.
vi). Six monthly progress reports should be furnished to the Ministry and its Regional office at Shillong for review.	vi). The Six Monthly Progress Reports are being furnished to the Ministry and its Regional office at Shillong for review.