

Target of the collaborative programme.

The collaborative project was approved by the Board.

(Action : GSI, ER & DMMWB)

b) **Seismic Hazard Assessment in Areas of Asansol - Durgapur Urban Agglomeration, Bardhaman District, West Bengal :**

Proper understanding and assessment of geological and geophysical conditions vis-à-vis seismic hazard probability is highly essential for planning of zonal level strategic disaster preparedness and mitigation in the Asansol-Durgapur Urban Agglomeration Areas, experiencing rapid urbanisation and industrialization. An airport is being developed in the locality. The area around Asansol is prone to seismic activity as per NDMA (National Disaster Management Authority) guidelines (it falls under Zone III Seismic Activity) and the area under ADDA (Asansol - Durgapur Development Authority) has the proximity to Basement faults and liniments. Further to this, an earthquake of 4.3 Richter Scale was occurred in the recent past (6/2/2008).

In such a seismic vulnerability, it is being strongly felt that considering it as a strong Societal Issue, a study on Seismic Hazard Assessment in the ADDA / Urban Agglomeration area is to be carried to delineate zones vulnerable to experience fatal tremors during passing of seismic waves generated by near source earthquake.

Thus, DMM proposes GSI to take up the issue as an item of collaborative study with DMM for F.S.2015-16 and 2016-17 and suggest preventive measures.

Both GSI and Disaster Management Department shown keen interest in participating in the collaborative project in terms of sharing of database and providing skilled manpower. Regarding personnel knowledgeable in LINUX OS, Dept. of Disaster Management agreed to lend support. DMMWB will support by providing one drilling rig available with it for making some short (-50m) boreholes required for SPT logging. GSI Training Institute would be organizing training programme in this regard where participating officers will attend. It was decided that GSI (ER), Dept. of Disaster Management, WB and DMMWB will enter into a MoU to set the Quantum & Magnitude of Target and the terms of sharing of technical and financial responsibilities.

The Board approved the collaborative project.

(Action : GSI, ER, DDM, GoWB & DMMWB)