

**Tapas Kumar Ghatak,  
Geophysicist**

Tapas Kumar Ghatak completed his university education from IIT Kharagpur in 1969 in Exploration Geophysics and joined the Geological Survey of India. He served at GSI in various capacities across Sectors which included water management both surface and groundwater and subsurface mapping of the Earth.

He then went on to join the Kolkata Metropolitan Development authority, Urban Development Department GOWB in 1996 as the Head of Environment and Information Management Cell with primary task of preparing a digital data bank for both spatial (Geographical Information System, GIS) and various attributes for all urban local bodies with a focus on environmental and social priority. He initiated, planned and executed these assignments. Additionally, he was worked with the Integrated Solid Waste Management Project for Six ULBS in west bank of KMDA under JBIC/JICA funded Municipal Solid Waste Management project where he was also the Project Director.

Mr. Ghatak was the functional head of the environment management in the Urban West Bengal and GIS based implementation of e- governance and IT in the strategic areas of Urban Local bodies of the State in collaboration with UNICEF. H also mapped the disaster prone areas of the hills of Darjeeling District with digital analysis of the entire area with community participation from UNICEF.

After he superannuated from KMDA in 2009 he was engaged as an Advisor to KUSP, a project of DFID with Gov. of West Bengal till 2011.

Additionally, Mr. Ghatak has been given the responsibility of handling several international funded projects (2009-till date) which include:

1. World Bank assignment for Risk and Vulnerability Assessment of KMA under Climate Change project as a leader of data management team,
2. Slum Improvement and Heath monitoring through GIS with UNICEF for Urban Disaster Management and Child Behaviour Monitoring through GIS.

For an interim period he also worked as a GIS Consultant for, ADB, UHRC, USAID and. PHFI. Mr. Ghatak is also associated with various International and national premier Institutes as a visiting and Guest faculty on application of GIS based management in Urban and Environment Sectors. As a member of Board of Director and Technical Advisor (Environment) of one of the leading real estate company, he initiated, planned regulated and executed a System of Zero waste generation system of the entire Project for a population of about 50,000 people with Entrepreneurship Mode.

Mr. Ghatak was also involved with CBUD(Community Based Urban Development Project )of GOI and executed CDP{9 City Development Plan of Aizal (Mizoram), Siliguri (WB), Dehradun ( Uttarakhand), Benaras ( UP)

He executed GIS mapping of entire SWM of KMC with quantitative analysis of waste and Deficiency in its collection system, transportation, route optimization and LFS management. The report included all the analytics and suggestive alternative of SWM management of Kolkata Municipal Corporation under DFID.

Mr. Ghatak is also associated with various post graduate and under graduate institutes as a faculty member for urban planning with spatial management of data analysis with a focus on waste

management with community participation. He is also member of syllabus committees as well as advisory boards.

Mr. Ghatak is also associated with the following Institutions at present:-

1. Member Sustainability Group CII Eastern Region.
2. Member of the Committee of Academic course of CENTRE FOR URBAN ENVIRONMENT STUDIES, Dept. Of Economics, Calcutta University as a faculty and also in the Syllabus committee.
3. Member, Internal Quality Assurance Cell' (IQAC) of Om Dayal group of Institutions, West Bengal.
4. Advisor and Consultant of Hilnad Group, Kolkata West Bengal