

**MINUTES OF THE 7<sup>th</sup> MEETING OF RECONSTITUTED WEST BENGAL STATE COASTAL ZONE MANAGEMENT AUTHORITY (WBSCZMA) HELD ON 28<sup>th</sup> APRIL, 2017 IN THE CONFERENCE ROOM OF WEST BENGAL POLLUTION CONTROL BOARD**

**The following members/officials attended the meeting :**

1. Shri Arnab Roy, IAS, Principal Secretary, Deptt. of Environment & **Chairman**, WBSCZMA
2. Sri Ravi Kant Sinha, IFS, Addl. PCCF & Director, Sundarban Biosphere Reserve.
3. Smt. Suktisita Bhattacharya, Joint Secretary, Fisheries Deptt. – Representative of Principal Secretary, Deptt. of Fisheries
4. Prof. Amalesh Chowdhury, Ex-Head of the Deptt., Marine Science, Calcutta University
5. Shri Sandip Chatterjee, Ex-Engineer-in-Chief, Deptt. of Public Health Engineering
6. Dr. Parthasarathi Chakrabarti, Former Chief Scientist, Geo-informatics and RS Cell, Deptt. of Science & Technology, GoWB
7. Shri Sandipan Mukherjee, IFS, Chief Environment Officer & **Member Secretary**, WBSCZMA

**The following officials attended the meeting as invitees:**

1. Dr. S. Mukherjee, IFS, Member Secretary, West Bengal Pollution Control Board
2. Smt. Barnali Biswas, IAS, Director, Institute of Environmental Studies and Wetland Management
3. Shri Siddhartha Roy, IFS, Senior Environment Officer of the Department

*The officials/Consultants/Representatives of the Bengal Shipyard Limited attended the meeting*

**PROCEEDINGS**

The Chairman welcomed everybody and initiated the discussion. The following issues were discussed after brief introduction between the Members and the Project Proponents:

**CRZ recommendation for Proposed Marine Industrial Cluster at Kulpi, South 24 Parganas - by Bengal Shipyard Limited**

In the previous meeting (6<sup>th</sup> meeting of WBSCZMA) the aforesaid project was discussed in details by the Project Proponent (PP) through Power Point presentation along with maps and during the discussion certain queries came up which could not be clarified from the Detailed Project Report (DPR) submitted by the Project Proponent (PP), therefore, they were requested to come up with a fresh DPR incorporating the points raised in the 6<sup>th</sup> meeting. The PP agreed to the same and hence in the 7<sup>th</sup> Meeting they have clarified the following points and promised to incorporate the same in their DPR after being agreed upon by the Hon'ble Members.

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Sl.	Queries	Answer
1.	As the area is erosion prone, effect of natural hazards such as tsunami, tidal surge, cyclone etc. on shifting of bank needs to be taken into account and only the works which need river front should be properly designed and rest work & residential areas should be beyond CRZ area of 100 mts.	<ul style="list-style-type: none"> <li>•The Shore line near the project site for the years 1925,1975,1990,2006 and 2015 have been studied. Shoreline shifting of the study area from 1925 to 1975 and from 1975 to 1990 are significant. Shoreline changes map from 1990,2006 and 2015 shows that erosion occurred in the southern portion of the study area, which is outside the proposed project site.</li> <li>•Flood protection measures, in the form of embankment was constructed along the river bank. The flood protection measures restrict the bank erosion in the study area. The southern portion of the proposed project site has special bank protection measures; i.e. embankment with spur. Strengthening of embankments with concrete block pitching is presently being undertaken on the northern side of the proposed project site by Irrigation Department.</li> <li>•7.5 mtr. height embankment will be constructed in the entire stretch of the proposed project site. Before construction of embankment in the project site, BSL will conduct detailed shoreline study as per Kolkata Port Trust Guideline and implement the study recommendation. If recommended, further strengthening of embankments on the northern and southern side of the project would be undertaken by BSL.</li> <li>•Residential area is placed beyond 100 mtr. Of the CRZ area.</li> </ul>
2.	Clearance from Ground Water Board / State Water Investigation Directorate is needed for ground water tapping. –	<ul style="list-style-type: none"> <li>• <b>Construction phase water requirement</b> - Approx. 50 KLD (to be extracted from ground water sources)</li> </ul> <p><b>Permission Status</b></p> <p>The proposed bore-well location is outside the CRZ zone. However, application process has been initiated with the SWID for water abstraction inspite of boring area being outside CRZ.</p>
3.	Treatment and recycling of waste water to be included to economise on water use.	<ul style="list-style-type: none"> <li>• <b>Operational phase water requirement</b> – Approx. 450 KLD (from Hooghly River 300 KLD and ETP treated water – 150 KLD)</li> <li>- Industrial use (350 KLD) – 200 KLD fresh water from Hooghly River and 150 KLD ETP Treated Water.</li> <li>- <b>Domestic use</b> – 100 KLD</li> </ul>

		<ul style="list-style-type: none"> <li>• Waste water generated from Industrial use is 160 KLD; it will be treated in ETP and 150 KLD treated water will be recycled/reused in industrial process.</li> <li>• Waste water generated from domestic use will be 80 KLD, this will be treated through STP and treated water will be reused.</li> <li>• No waste water will be discharged into the river or Manteshwar Channel</li> </ul>
4.	The Manteshwar Channel free flow should be maintained & not closed and mangrove plantation done with buffer	<ul style="list-style-type: none"> <li>• Manteshwar Channel is flowing through the Project site</li> <li>• The channel and the hydrological flow will be maintained</li> <li>• 100 mtr. buffer along the channel will be maintained and no development is proposed in this area.</li> <li>• Existing mangrove vegetation along with Manteshwar Channel and other area within the proposed project site will be preserved</li> <li>• Mangrove plantation will be carried out along the channel and also the riverfront with the help of Forest Department wherever necessary.</li> </ul>
5.	Layout of works of foreshore areas, repairing & maintenance areas, dry docking areas, residential areas etc. to be superimposed on the map in 1:4000 scale for giving a proper idea about the setting up of the project.	The PP has placed the map after thorough revision showing all the details asked for .
6.	Compensatory water body of 124 acre to be created prior to filling up of aquaculture ponds in the same mouza.	<p>The PP has stated that the land records of the project site shows the presence of only 17 acres of water bodies. Furthermore, it was also stated that the study of land cover change reveals that the waterbodies were not present during 2006 and were subsequently created by providing embankments on the agricultural land for prawn and other brackish water pisciculture.</p> <p>- But the Member from the Fisheries Deptt. opined that the PP has to create a compensatory waterbody of equal area and depth prior to filling up of aquaculture ponds as per West Bengal Inland Fisheries Act, 1984 (alongwith latest amendments) and West Bengal Land Reforms Act, 1955 (alongwith latest amendments).</p>

		- Therefore, the Authority is of the opinion that the waterbody should be retained as far as practicable and in case of necessity the filling up should be preceded by creation of equal quantum of waterbody.
7.	Management of solid waste such as metal scrap generated as well as hazardous waste during repairing of ships to be discussed in details in the Environment Management Plan.	The PP has submitted detailed report reg. the management of solid waste and has assured to store the wastes in designated and impervious waste storage area onsite and dispose through West Bengal Pollution Control Board's Authorised hazardous waste handlers
8.	Piers of jetties should not obstruct free flow of the river.	The PP has assured that they will not go for construction of any jetty. However, no construction would impede the free flow of the river.

After detailed discussion, the Authority unanimously agreed to recommend the said project to the Ministry of Environment, Forests and Climate Change (MoEF&CC), Government of India.

The meeting then ended with thanks to and from the Chair.

  
**(Arnab Roy)**  
 Principal Secretary  
 Department of Environment  
 &  
 Chairman, WBSCZMA

No. 1005/EN/T-II-4/013/2015/1(9)

Date: 16. May, 2017

1. The Principal Secretary, Department of Sundarban Affairs, GoWB
2. The Principal Secretary, Department of Fisheries, GoWB.
3. The Secretary, Urban Development & Municipal Affairs Department GowB.
4. The Addl. Principal Chief Conservator of Forests & Director, Sundarban Biosphere Reserve, Directorate of Forests, GoWB
5. Prof. Amalesh Chowdhury, Ex-Head of the Deptt., Marine Science, Calcutta University
6. Shri Sandip Chatterjee, Ex-Engineer-in-Chief, Deptt. of Public Health Engineering, GoWB-
7. Dr. Parthasarathi Chakrabarti, Former Chief Scientist, Geoinformatics and RS Cell, Deptt. Of Science & Technology, GoWB
8. Prof. Sugata Hazra, Director, School of Oceanographic Studies, Jadavpur University
9. Sr. P.S. to the Principal Secretary, Department of Environment



Member Secretary  
WBSCZMA

No. 1005/EN/T-II-4/013/2015/2(1)

Date: 16. May, 2017

Copy forwarded to :

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Member Secretary  
WBSCZMA