MAHARASHTRA POLLUTION CONTROL BOARD

No.   /MAPS/AST/B- |०|| /2014   Date: 12/03/2014

WORK ORDER

To,
M/s. Bhugol GIS Pvt. Ltd.,
A1, Sanjay Nivas, Jain Mandir Marg,
Powai, Mumbai - 400076

Sub: Preparation & Generation of "Maharashtra Taluka wise River map for rivers notified in RRZ policy, GoM, 2009" and perform the necessary tasks.

Ref: 1. Consent Committee Meeting held on 31st January 2014.
      2. Proposal submitted by Bhugol GIS Pvt. Ltd. dtd. 20.02.2014

With reference to the proposal Submitted by you vide refer.2 above for preparation of Maharashtra Taluka wise Basin Map Generation, it is to inform you that your proposal dated 20.02.2014 is accepted by MPCB for carrying the work of preparation & generation of "Maharashtra Taluka wise River map for rivers notified in RRZ policy, GoM 2009" as per terms and conditions mentioned here bellow:

1. **Aim:**

   To generate & prepare the "Maharashtra Taluka wise River Map for rivers notified in RRZ policy, GoM 2009" as per the Terms of References.

2. **Objectives:**

1. Acquire Maharashtra Taluka boundary map of census 2011.

2. Superimpose Basins and Rivers of Maharashtra as per RRZ policy, GoM, 2009 over Maharashtra Taluka boundary map

3. Extract Taluka wise Rivers and Basins as per RRZ policy, 2009 (355 Taluka * Rivers) and (355 taluka *Basins) and create individual layers in GRAM++ Vector file format

4. Prepare images for each of the layers prepared and print on A1 size paper

3. Methodology:

(i) Acquire Maharashtra Taluka boundary map.

The Taluka map as per Census 2011 for the state of Maharashtra will be procured from Census department. If the map is available in soft copy form it shall be acquired and the necessary charges as per actual will be borne by MPCB else the Hard copy map shall be taken and digitized by Bhugol GIS Pvt Ltd.

(ii) Superimpose Basins and Rivers of Maharashtra over Taluka boundary map Basin maps of Maharashtra in GRAM++ Vec file format and Census 2011 Taluka boundary map of Maharashtra will be superimposed using suitable GIS techniques such that the Basin the Maharashtra Taluka boundary superimpose accurately one over other (Necessary correction and adjustment will be applied while mosaicing various Basins and superimposing them over Taluka Boundary map.

(iii) Extract Taluka wise Rivers and Basins (355 Taluka * Rivers) and (355 taluka * Basins) and create individual layers Using GIS techniques Taluka wise Rivers and Basins of Maharashtra notified under RRZ Policy, GoM 2009, will be extracted and individual layers and files of Taluka with River and Basin layer will be prepared..

(iv) Prepare images for each of the layers prepared and print on A1 size paper Based on various layer and files prepared after extracting the Taluka wise River and Basins of Maharashtra, Maps for each layer appropriate as per the scale of the paper size A1 will be prepared. All necessary cartographic elements will be marked and will be printed to create as booklet of images of size A1. The map prepared will also be provided in the soft copy form along with the layers of Maharashtra Taluka wise Rivers and Basins as per RRZ Policy, 2009, GoM.

4. Project Duration:

Time period for completion of above task is **20 days** from date of issue of work order.

5. Cost of the Project:

Total Project Cost is Rs 7,97,756/- including service tax.

6. Terms of payment:

i)   Advance   - 50% of project cost

ii) After Extraction of Layers   - 30% of project cost

iii) After final submission   - 20% of project cost.

7. Report Submission:

i)   The Layers of Taluka wise River and Basins as per RRZ Policy, GOM 2009, in GRAM++ Vector file format.

ii) Cartographic Map layouts of layers of Rivers and Basins notified under RRZ Policy, GoM , 2009, of Maharashtra printedon A1 size paper

iii) A soft copy of the Maps prepared using extracted layers of Taluka wise Rivers

and Basins notified under RRZ Policy, GoM 2009, of Maharashtra
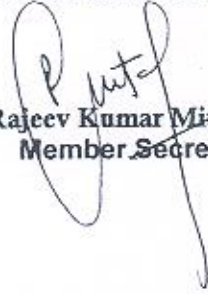
iv) 3 Licenses of GRAM++ GIS Software

8. Interpretation:

In the event of any inconsistency between the terms of this work order and any other document, non submission of report / deliverables the terms of this work order shall prevail.

9. Security & Confidentiality:

Necessary security and confidentiality measures will be taken for safe keeping and maintaining secrecy of the documents. The data acquired and generated during the assignment shall be handed over in total to MPCB on completion of study and agency shall not use the data in any form anywhere in future.

For and on behalf of MPCB, Mumbai

(Rajeev Kumar Mital, IAS)
Member Secretary

Copy submitted to:
1. The Chairman, MPCB, Sion Mumbai

Copy to:
1. Principal Scientific Officer, MPCB, Mumbai
2. Joint Director (WPC), MPCB, Mumbai
3. Joint Director (APC), MPCB, Mumbai

Copy to:
Chief Accounts Officer, MPCB, Mumbai – for information and release of payment as per clause no. 06 of TOR of the Work Order.

ACKNOWLEDGEMENT

"We agree herewith the Terms and Conditions of work order as referred above".

For and on behalf of

M/s. Bhugol GIS Pvt. Ltd.,
A1, Sanjay Nivas, Jain Mandir Marg,
Powai, Mumbai - 400076

Date :

Place :

Seal & Signature of authorized person

Witness:

    1)

    2)

    3)