

MEMORANDUM FOR EMPOWERED STEERING COMMITTEE (ESC) ON THE PROPOSAL OF 'GANGA KNOWLEDGE CENTRE' UNDER NATIONAL GANGA RIVER BASIN AUTHORITY (NGRBA) PROGRAMME

1.0 STATEMENT OF PROPOSAL

- 1(a) The approval of the Empowered Steering Committee (ESC) is sought for the proposal of '**GANGA KNOWLEDGE CENTRE**' under the centrally sponsored scheme of National Ganga River Basin Authority (NGRBA) at an estimated cost of Rs. **71.6 crores**. The project cost will be fully met by the Govt. of India.
- 1(b) There is no other scheme with overlapping in other Ministry/Departments of the Central or the State Govt.
- 1(c) It is a new proposal under the NGRBA Programme.
- 1(d) The proposal is to set up a knowledge base centre in Delhi, as an integral part of the NMCG setup, given its key function in supporting NGRBA. Proposals for state level thematic sub-centres of the GKC, focusing on a specific research topic or a thematic idea may be sent by the states, in future.
- 1(e) CCEA has approved the NGRB project (World Bank assisted EAP component of the NGRBA Programme) for Rs. 7000 crores, of which Rs. 900 crore was allocated for Institutional development and project implementation support component including the CPCB proposal of "Strengthening of Environmental Regulators" under NGRBA. As per the mandate of the NGRBA it has to be ensured that by 2020 no untreated municipal sewage and industrial effluents flow into Ganga.
Rs. 512.50 crore was allocated in the Budget Outlay for 2012-13 for NGRBA programme, which includes outlay of Rs. 50.66 crores for the Institutional development component of the World Bank assisted NGRB project. The instant project proposal indicates tentative budget outlay of 7.00 crores for the financial year 2012-13 mentioned in the approved annual plan to be met out of the overall budget outlay of the programme.

1(f) The GKC will be supporting NGRBA, with its own management structure and functional autonomy.

For review of the implementation of the NGRBA projects, an Empowered Steering Committee under the Chairmanship of Secretary (Environment & Forests), Government of India has been set-up.

1(g) The proposal has not been presented before any other Committee.

1(h) The output and the outcomes of the GKC proposal shall be as follows:

- Digitization/ Integration of legacy records
- Comprehensive spatial database
- System water quality model
- E-flows model
- Water quality investment Decision Support System
- Prioritized research and innovation needs
- Research's supported by the Research Fund
- Support to innovation projects
- Designs support
- State of art Ganga website
- Online portal of Ganga basin monitoring data
- Crowd-sourcing interface for community monitoring
- Technical paper publications
- Newsletters publications

1.1 PRESENT STATUS

National Mission for Clean Ganga(NMCG) has been registered as a society and Ganga knowledge Centre will be integral part of NMCG. The CCEA approval indicates budget outlays under component –A for institutional development. One of the sub-components of Institutional Strengthening component of the project is, setting up of Ganga Knowledge Centre (GKC).

1.2 IMPLEMENTATION PERIOD

The implementation period of the proposal is 8 years. Implementation schedule is at Annexure-I .The project will commence within two months w.e.f date of sanction of project proposal.

1.3 PROPOSED WORKS

The main set of activities of the Ganga Knowledge Centre (GKC), in concrete terms, will be to create and maintain

- (a) A high-quality web portal for Ganga;
- (b) An integrated information base (MIS) on NGRBA projects;
- (c) A state-of-the-art e-library;
- (d) A comprehensive GIS-based mapping system of the Ganga basin;
- (e) Processes for supporting research, pilots and new ideas; and
- (f) Processes for engaging stakeholders through forums, events, publications, interactive models etc.

1.4 COST ESTIMATE

The total estimated cost of the GKC in Delhi is approx Rs. 71.6 crore as per the breakup. However cost for setting up of thematic sub-centres in states will be decided later but 30 crore may be earmarked for the five sub-centres. Break up of cost is at Annexure –II.

1.5 FUNDING PATTERN

The Central Govt. will bear the capital cost and the funds would be allotted to NMCG on financial year basis as per the Annexure-III.

2.0 WORK PROGRAMME SCHEDULE

- (a) The project proposal has been scrutinized in all its details.
- (b) The schedule of the project given in Annex.
- (c) The activity of the proposal to be implemented by NMCG/GKC

3.0 DIASTER MANAGEMENT

The activities proposed are knowledge and research based; therefore disaster management aspect is not very relevant for the proposal.

4.0 EXPENDITURE INVOLVED

- (a) The eight year budget estimation for the GKC is given as Annexure-II
- (b) There is no foreign exchange component in the cost estimate.
- (c) The scheme is proposed to be taken up against the approved outlay of NGRBA in the XI Plan and the subsequent XII Plan.

5.0 COST ESTIMATES

- 5.1 The cost estimates and the other parameters have been carried out in the proposal based on eight year perspective taking into consideration the operating cost, Goods and Consultancies.

6.0 OPERATIONAL CAPABILITY

The GKC shall be located in Delhi, as an integral part of the NMCG setup, given its key function in supporting NGRBA programme, with its own management structure and functional autonomy.

7.0 VIABILITY

- 7.1 The benefits accruable from the project cannot be quantified in physical terms. However, the principal objective of the project is to create and manage knowledge resources, design and foster research and innovation and facilitate stakeholder dialogue in the Ganga Basin.
- 7.2 The Ganga Knowledge Centre (GKC) will use, and help generate, state-of-the-art scientific and technical knowledge even while reflecting constantly on traditional and local knowledge, in order to remain focused on relevant issues and connected to the stakeholders. With a clear focus on these areas, the GKC will emerge as a premiere, and autonomous, knowledge institution for the Ganga basin in the long term.

8.0 REVIEW OF PROJECT

For review of the implementation of the NGRBA projects, an Empowered Steering Committee under the chairmanship of Secretary (Environment & Forests), Government of India has been set-up. NMCG shall review the progress on quarterly basis.

9.0 POINTS FOR DECISION AND / OR SANCTION

The Empowered Steering Committee is requested to consider for approval the proposal of “**GANGA KNOWLEDGE CENTRE**” under the centrally sponsored scheme of National Ganga River Basin Authority (NGRBA) programme at an estimated cost of Rs. 71.6 crores, the project cost will be fully met by the Govt. of India.

GKC will be headed by Director GKC and supported by team of experts, which shall ensure that:

- (a) Knowledge resources are properly managed, including the analysis and modelling of diverse data sets relevant to management of the Ganga basin.
- (b) Design and foster research and innovations in Ganga Basin, and
- (c) Facilitate stakeholder dialogue for better interaction of Ganga programme with the community.

The summary budget of the GKC for a period of eight years is given below:

Summary of Budget	
Item	Costs in INR crores
Operating Cost (GKC New Delhi)	46.74
Staffing + Travel + Support staff (New Delhi)	17.14
Rental (New Delhi)*	-
Transport, utilities & consumables (New Delhi)	2.40
Small grants for pilots and design ideas	13.50
Research Fund	9.00
Publication/Communication	2.00
Annual Ganga Knowledge Forum, Workshops	2.70
Goods	9.00
Refurbishing + Furniture/Furnishings	-
IT Hardware/Software	3.37
Remote Sensing Data	3.37
Books/Journals/Library/E-Resources	2.25
Consultancies	15.84
GKC Support Consultancy	11.19
Short Term Consultancies/ Internships	4.65
Total Cost	71.6
Thematic sub centres (Preliminary cost)*	30.0

**Note: GKC will be housed in NMCG office. Refurbishing cost will be included in NMCG office setup*

***Detailed proposal for GKC thematic sub centre will be developed by SPMGs in agreement with NMCG and will be submitted to the ESC for approval separately*