


MOST IMMEDIATE

A-12011/1/2010-NRCD-II
Government of India
Ministry of Environment & Forests
(National River Conservation Directorate)

New Delhi, dated the 1st March, 2011

Sub: Minutes of the third meeting of the Empowered Steering Committee (ESC) of the National Ganga River Basin Authority (NGRBA) held on 28th February, 2011.

A copy of the Minutes of the third meeting of the Empowered Steering Committee (ESC) of the National Ganga River Basin Authority (NGRBA) held on 28th February, 2011 under the chairmanship of Secretary (Environment & Forests) is forwarded herewith for information/ necessary action.


(S.K. Agrawal),
Director(A), NRCD 27/3/11
24368442(Off.)
24362206(Fax)

Encl: As above

To

ESC:

1. Secretary, Ministry of Environment and Forests, Paryavaran Bhawan, New Delhi.
2. Secretary, Dept of Expenditure, Ministry of Finance, North Block, New Delhi.
3. Secretary, Ministry of Urban Development, Nirman Bhawan, New Delhi.
4. Secretary, Ministry of Water Resources, Shram Shakti Bhawan, New Delhi.
5. Secretary, Ministry of Power, Shram Shakti Bhawan, New Delhi.
6. Secretary, Department of Science and Technology, Technology Bhawan, New Delhi.
7. Secretary, Planning Commission, Yojna Bhawan, New Delhi.
8. Chief Secretary, Uttrakhand Secretariat Dehradun, Uttarakhand.
9. Chief Secretary, Shastri Bhawan, Lucknow, Uttar Pradesh.
10. Chief Secretary, Main Secretariat, Patna, Bihar.
11. Chief Secretary, Project Bhawan, Ranchi, Jharkhand.
12. Chief Secretary, Writers Building, Kolkata, West Bengal.
13. AS&PD, MoEF, Paryavaran Bhawan, New Delhi.
14. AS&FA, MoEF, Paryavaran Bhawan, New Delhi.
15. Chairman, Central Pollution Control Board, Arjun Nagar, New Delhi.
16. Chairman, Central Water Commission, Sewa Bhawan, New Delhi.

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For West Bengal

1. Shri Debashis Sen, Principal Secretary, Department of Urban Development
2. Shri Chuner De, DGO, GAP sector, KMDA
3. Dr. P.K.Sur, Chairman, Kalyani Municipality.

Internal Distribution

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Minutes of the 3rd meeting of the Empowered Steering Committee (ESC) of NGRBA held on 28th February, 2011 in Paryavaran Bhawan, New Delhi

The 3rd meeting of the Empowered Steering Committee (ESC) of NGRBA was held on 28th February, 2011 at 4.00 pm in Paryavaran Bhawan, New Delhi under the chairmanship of Secretary, Ministry of Environment & Forests (MoEF). The following project proposals were taken up for consideration:

- (i) Sewerage System and Sewage Treatment Plant (STP) works at Bhatpara , West Bengal-Rs. 228.52 crore
- (ii) Sewerage System & Sewage Treatment Plant (STP) works at Kalyani , West Bengal – Rs. 57.87 crore
- (ii) Proposal for setting up of NGRBA cell at CPCB- Rs. 43.60 crore

List of participants is annexed.

2.0 The chairperson asked the Principal Secretary UD, Govt. of West Bengal to explain the projects at Sl. No. (i) & (ii) above. Principal Secretary, WB made a detailed presentation, as summed up below:

i) **Bhatpara:**

It is a partly sewerred town. Under GAP-I, works of I&D, pumping stations etc. were sanctioned along with 2 STPs of 10 mld capacity each. A STP of 10 mld capacity was built prior to GAP. The works proposed in the present proposal include laying of 124.7 km of comprehensive sewer network, 20 lifting stations, 2 STPs (one each of 21 mld and 10 mld capacity) and two main pumping stations.

Dovetailing with GAP-I works have been ensured. CPHEEO manual and NRCD guidelines have been followed for design purposes. A water supply rate of 135 lpcd has been adopted as per the water supply project approved under JnNURM programme. The project has been aligned with new guidelines of NRCD for DPR preparation. Land for all the pumping stations and STPs belongs to ULB and is available. Public consultation is being held and the City Sanitation Plan is under preparation. The proposed works will form part of the CSP. The project has been appraised by the Bengal Engineering and Science University (BESU), Howrah. They have recommended approval of the project.

The State Government will make all efforts for recycling and reusing of treated effluent such as irrigation, industrial use etc. The State Government/ULB will ensure 100% house connection to sewer and impose sewage tax to enhance the revenue generation for sustainability of O&M of the assets to be created. Solid waste

management scheme has been sanctioned under the JnNURM and efforts will be made to implement it following PPP model.

ii) **Kalyani:**

It is also a partly sewer town and sewer network exists in the core area. The town has presently two STPs, one each of 11 mld capacity and 6 mld capacity built in 1954. As a result, they have outlived their utility due to wear and tear and quite often develop operational faults. The works proposed in the present proposal include laying of 75.7 km of comprehensive sewer network, 8 lifting stations, renovation of the 11 mld capacity STP and upgradation of 6 mld capacity STP to 10 mld capacity, desilting of old sewer etc.

CPHEEO manual and NRCD guidelines have been followed for design purposes. A water supply rate of 135 lpcd has been adopted as per the water supply project approved and commissioned under JnNURM programme. The project has been aligned with new guidelines of NRCD for DPR preparation. Land for all the pumping stations and STPs belong to ULB and is available. Public consultation is being held and the City Sanitation Plan is under preparation. The proposed works will form part of the CSP. The project has been appraised by the Jadavpur University (JU), Kolkata. They have recommended approval of the project.

The State Government will make all efforts for recycling and reusing of treated effluent such as irrigation, industrial use etc. The State Government/ULB will ensure 100% house connection to sewer and impose sewage tax to enhance the revenue generation for sustainability of O&M of the assets to be created. A solid waste management scheme has been sanctioned under the JnNURM and being implemented following PPP model. The Chairman, Kalyani ULB informed that the PPP agency will share the profit with the ULB. The Chairman also informed that the maturation pond of the WSP based STP would be used for pisciculture and will give very high returns. In addition, sewage tax is being collected from the sewer area and under the Municipal by-laws sewer connection by the residents is compulsory. New connections in the proposed area of sewer network will also be brought under the ambit of sewage tax thereby increasing the revenue generation. This will ensure sustainable O&M of the assets to be created.

Regarding both the projects, the Principal Secretary, WB informed that the State PMG has been formed and the State Government has applied for its registration. The process for setting up of a JV is also underway. As decided in the second meeting of ESC on 7th February, 2011, the appraisal institution has been requested for accepting the assignment of Third Party Inspection (TPI).

3.0 Additional Secretary & Financial Adviser, MoEF observed that the State Government of West Bengal may also ensure compliance of the following;

- i. The independent agencies while appraising the projects, have made suggestions. These need to be addressed by States during implementation.
- ii. Need to establish synergy between NGRBA projects and other Central State sponsored schemes in the town to avoid any overlap/duplication.
- iii. Sewage works now proposed under the project will form part of City Sanitation Plan to be prepared by the State Government.
- iv. Service level benchmarking will be ensured by the States/ULBs to ensure highest level of quality for treated sewage / industrial effluents.
- v. The baseline data for characteristic of river water would be obtained. The likely improvement of river water quality would be indicated and regularly monitored.
- vi. Monitoring of project deliverables by the PIA is the integral part of responsibility of PIA. State Government is to regularly respond to MIS or NRCd for regular monitoring.
- vii. DBO (Design, Build Operate) model will be followed for the STPs proposed to be constructed.
- viii. Treated effluents parameters from the STPs will be regularly monitored ensuring that they meet the discharge standards. The data of STP monitoring would be made available online.
- ix. State will ensure effective control of industrial pollution. It would be ensured that the Industries treat their effluents to prescribed standards before discharge into the sewerage system.
- x. State will ensure effective control of Municipal solid Waste of the town.
- xi. A plan of-action for giving 100% connections to sewer network year wise during the implementation period of work shall be prepared and a suitable provision will have to be made in the byelaws to enforce compulsory sewer connection and user charges on the beneficiaries in the project area.
- xii. State Govt / PIA to ensure Stakeholder consultation during implementation. The suggestions made are to be taken care of during implementation stage.
- xiii. Treated waste water should be reused for irrigation, industrial and other purposes.
- xiv. Commitments by State Govt./ULBs along with the timelines for suitable O&M of assets with specific reference to commitments on User Charges given by the State Govt under JnNURM to be fulfilled.
- xv. Commitments by State Govt to ensure water supply as per MoUD guidelines so that water flow attains self cleansing velocity.

The following may also be fulfilled by the State Government/ULB;

- Reforms & outcomes
- Provision for TPI-to ensure quality of work & scheduled progress of work
- Countersigning of UCs by State authorities.
- On O&M and revenue generation
- Commitments given to MoUD
- Continuous treated wastewater monitoring at the outlet of STP
- Rate of water supply

AS&FA also mentioned that the issue of provision of centages needs to be examined separately.

4.0 It was confirmed by the Government of West Bengal that the two project proposals broadly conform to the revised guidelines issued by the Ministry for DPR preparation and these projects are necessary for abatement of pollution of the river Ganga. In this regard, a detailed check list of action taken/ being taken has been furnished. A written statement indicating conformance to the revised guidelines has also been submitted. The State Government confirmed that synergy between NGRBA and other Central/State Sponsored Schemes in the towns has been ensured to avoid any overlapping/duplication. The process of preparation of City Sanitation Plans and appointment of TPis is under way. Public consultations are being held and it will be ensured that this is an integral part of implementation at required stages. For attaining sustainability of O&M of the assets being created, Revenue Generation Plan has been prepared for each town and DBO model will be followed for the proposed STPs. Thus, the State Government assured that they are making all efforts to comply with the above requirements.

5.0 Secretary (E&F) complimented the State Government for the detailed presentation and satisfactory explanations on the issues raised. He also commended the proactive role being played by the elected Chairman of the Kalyani Municipality. Regarding the points raised by IFD, many of them are covered in the checklist submitted by the State Government and the compliance statement regarding alignment of the projects with the revised guidelines. The other observations would be addressed in the Administrative approval and Expenditure sanction (AA&ES) appropriately and during implementation. Regarding centages, the issue may be examined separately. Meanwhile, projects may be approved as proposed and implemented expeditiously.

6.0 Based on the deliberations elaborated above, the two project proposals of West Bengal were approved by the ESC. It was also decided that 25% of GoI share of the respective capital cost of the two sewerage projects in West Bengal will be released as the 1st installment of central grants, as indicated below:

- (i) Sewerage System and Sewage Treatment Plant (STP) works at Bhatpara, West Bengal- Total project cost approved is Rs. 228.52 crore and release of central grant towards first installment is Rs. 36.42 crore
- (ii) Sewerage System & Sewage Treatment Plant (STP) works at Kalyani, West Bengal - Total project cost approved is Rs. 57.87 crore and release of central grant towards first installment is Rs. 8.45 crore.

6.0. The CPCB in their presentation mentioned that the existing institutional strength to undertake intensive surveillance and monitoring of industries particularly in the critically polluted stretches in the river Ganga, is inadequate. Therefore, a dedicated cell for the purpose of monitoring of industrial pollution being discharged into Ganga is essential. This cell will be housed in the NGRBA project office and function exclusively for NGRBA and under its supervision. CPCB explained that the number and level of various proposed posts have been worked out based on a proper due diligence. This would ensure effective industrial pollution monitoring and thus, aid in accomplishing the objective of mission clean Ganga. The need for associated infrastructure such as mobile laboratory including modern equipments for reliable and accurate sample analysis was also explained. The project was approved 'in principle', after detailed discussions. The CPCB was requested to provide details regarding break-up of cost components. These would be examined separately before issue of sanction.

The meeting ended with thanks to the Chair.

List of participants of the 3rd meeting of the Empowered Steering Committee (ESC) of NGRBA held on 28th February, 2011 in Paryavaran Bhawan, New Delhi

Ministry of Environment & Forests (MoEF)

1. Shri T.Chatterjee, Secretary - in chair
2. Ms. Meera Mehrishi, Additional Secretary & Project Director, NRCD
3. Ms. Gauri Kumar, Additional Secretary & Financial Adviser
4. Shri S.P.Gautam, Chairman, CPCB
5. Shri Rajiv Gauba, Joint Secretary
6. Shri Vivek Wadekar, Director (Finance)
7. Shri S.K.Agrawal, Director, NRCD
8. Shri B.B.Barman, Director, NRCD
9. Dr. K. C. Rathore, Director, NRCD
10. Shri D.C.Sharma, Under Secretary (Finance), NRCD
11. Shri K.A.Roy, Project Officer, PMG - NGRBA

Other Central Ministries/Organisations

12. Dr.P.K Mehrotra, Director(WQ), Ministry of Water Resources
13. Shri V.K. Talwar, Director, Central Water Commission
14. Shri C.K. Agrawal, Chief Engineer, Central Water Commission
15. Shri R.K.Gupta, Director, Ministry of Power
16. Shri J.B. Ravinder, Assistant Advisor, PHE, Ministry of Urban Development
17. Shri Tanmoy Das, Chief Engineer, Central Electricity Authority
18. Dr.(Mrs.), S.N.Khan, Director, Department of Science & Technology
19. Shri Ashok Sharma, Section Officer (PF-II), Department of Expenditure

Central Pollution Control Board (CPCB)

19. Shri Debadatta Basu, Addl. Director
20. Shri Sunil Dave, Senior Environmental Engineer
21. Shri Mrinal Kanti Biswas, Executive Engineer

Government of West Bengal

22. Shri Debashis Sen, Principal Secretary, Department of Urban Development
23. Shri Chuner De, DGO, GAP sector, KMDA
24. Dr. P.K. Sur, Chairman, Kalyani Municipality.

Government of Bihar

25. Dr. D.K. Shukla, Special Secretary, UD

External Experts

26. Shri Asish Mazumdar, SWRE, Jadavpur University, Kolkata