F. No. - V-174/Dir(T-II)/2017-18/NMCG
National Mission for Clean Ganga,
Ministry of Water Resources, River Development & Ganga Rejuvenation

First Floor,
Major Dhayan Chand National Stadium,
India Gate, New Delhi-110001
Date: 25th September, 2018

To,
Project Director, SMCG - UP,
834, Bapu Bhawan, Sachivalaya,
Lucknow, Uttar Pradesh-226001

Sanction

Sub: Administrative Approval and Expenditure Sanction for “Treatment of 23 Drains in Allahabad and its upstream reaches” at an estimated amount of Rs. 9.71 Cr (Rs Nine Crore and Seventy-one Lakhs Only) – reg.

***************

I am directed to refer to project submitted by SMCG – UP in NMCG for treatment of 53 drains in Allahabad and its upstream reaches in view of the upcoming Khumbh Mela and convey the approval of the competent authority to undertake execution of the project on “Treatment of 23 Drains in Allahabad and its upstream reaches” under Namami Gange program. Approval is based on decision taken in 15th Executive Committee meeting held on 28th August, 2018 and subject to the terms & conditions mentioned here under:

2.0 General Condition:

a) Agency for executing the project is UP- SPMG. As discussed and directed in the Executive Committee meeting, the project may be implemented by a central PSU and NEERI. NPCC and NEERI have already submitted their intent to treat the drains using suitable & appropriate technology. List of drains is given at Annexure –I.
b) This sanction is not the order for commencement of project. A separate work order shall be issued in favour of the agencies for commencement of the project by SMCG – UP.

c) The agency shall submit the work plan indicating the reach in which treatment technologies be implemented after undertaking the field visit as under para 2.d at the earliest so that the work order can be issued. The agency and SMCG-UP officials may carry field assessment for drain characteristics, if felt necessary for planning future activities such as estimation of flow, parameters of the allotted drain, reach in which technology is proposed for implementation etc.

d) The project duration is 8 months and NMCG may decide for continuation of the treatment of drain beyond 8 months based on techno-economic considerations of these technologies.

e) The executing agency shall be responsible for implementation/ adherence of monitoring protocol & acceptance limits to be adhered during the execution of the project.

f) Necessary certifications by agency in respect of Genetically Modified Organism (GMOs), non-pathogen and indigenous nature of microbial consortia shall be furnished by the firm before start of the work.

g) The project shall be executed in accordance with the Water (Prevention and Control of Pollution) Act, 1974 and Environmental (Protection) Act, 1986 as amended from time to time.

h) For monitoring the performance of treatment/ technology, the monitoring parameters output range shall be as specified in Annexure – II.

i) The progress of the project (physical & financial) will be verified by SMCG -UP. The project performance will be assessed through Third Party Inspection (TPI) system. NMCG/ SMCG -UP may appoint agency for Third Party Inspection/ appraisal/ evaluation of the efficacy of the technology. Expenses for the Third Party Inspection/ appraisal/ evaluation duly verified by the SMCG – UP shall be borne by the NMCG.

j) The implementing agencies shall submit monthly progress report to NMCG through the SMCG – UP.

k) Assessment of the progress/ performance at each suitable location shall be done by NMCG and if, in the opinion of NMCG, progress is not satisfactory, NMCG may withdraw the approval accorded without any compensation to the firm.
l) The agencies shall be accountable for any loss of lives & properties occurring due to local problems during execution/demonstration of the project. NMCG shall not be responsible for any such losses of life or property.

m) Any dispute arising during execution of the project shall be settled amicably and the decision of the Director General, NMCG shall be the final and binding.

n) The data generated during the execution of the project shall not be published anywhere without prior permission of NMCG.

o) The authorized signatory of the firm shall execute an indemnity bond to compensate NMCG for any loss due to non-adherence to the terms & conditions mentioned in the sanction.

3.0 Project Specific Conditions

a) The necessary arrangements for implementation of the project shall be done by the agency itself.

b) The work related to the project shall be carried out by the agencies after ensuring the objective and the methodology followed as per standard procedures/methodology, especially for the laboratory analytical works.

c) While executing the project, an attempt will be made by the agency to focus on achieving maximum level of treatment of pollution flowing at the site.

d) For in-situ treatment, there shall not be any major alteration/modification of the drains. However, the agencies shall tie up, on their own, with the local department/authorities regarding electrical fittings infrastructures facilities & assistances, if any.

e) The agencies shall maintain proper record of microbial dosing and the provision be made for recording microbial dosing.

f) The reports shall be forwarded to NMCG/CPCB regularly and also after completion of the project and conducting performance study.

g) The project shall be executed as per the work plan submitted by the agencies as per para 2.c.

h) Project duration will be 8 months. No treatment is required to be carried out during heavy rains or during monsoon period (15 June to 15 September).
i) Total project cost is Rs. 9.71 Cr (Rs Nine Crore and Seventy-one Lakhs Only) against treatment of flow in the 23 drain. Payment shall be based on monthly pro-rata basis against the per MLD cost for quantity of flow measured and treated in the drain for a period not exceeding 8 months from the day of start of project.

j) The funds will be released to UP- SPMG for implementation of the project.

k) The utilization certificate in the prescribed format (and duly signed and stamped by head of SPMG) shall be furnished by SPMG, UP in respect of funds released by NMCG for the project.

l) The CAG of India, Statutory Auditor & Internal Auditor of NMCG and/or SPMG, as the case may be, at his/her discretion shall have right to access to project related books of account and documents of SPMG/ EA for the purpose of audit.

4. This issues with the approval of Director General, NMCG vide its Dy. No. 3880 dated 19/09/2018 and the concurrence of Executive Director (Finance) vide its Dy. No. 975 dated 19/09/2018.

(Nityananda Ray)
Deputy Secretary, NMCG

Copy to (for Information):

1. PS to Director General, NMCG, New Delhi-110002.
2. Member Secretary, CPCB, Parivesh Bhawan, CBD-cum-Office complex, East Arjun Nagar, New Delhi-110032
3. District Magistrate, Allahabad
4. Municipal commissioner, Allahabad
5. CMD, NPCC, New Delhi
6. Director, NEERI, Nagpur
Evaluation criteria for Bioremediation of Drains during demonstration period under normal condition (Except heavy rains and Droughts)

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Parameters</th>
<th>Inputs</th>
<th>Preferential output</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>BOD$_{3,27}$ (Biochemical Oxygen Demand) of filtered sample</td>
<td>Minimum 100 mg/l or minimum hydraulic flow 10 MLD or Total organic load in terms of BOD minimum 1000 kg/l</td>
<td>&lt;=30 mg/l Or 40% reduction in BOD load value from the initial reading</td>
</tr>
<tr>
<td>2.</td>
<td>COD (Chemical Oxygen Demand) of filtered sample</td>
<td>Minimum 250 mg/l</td>
<td>&lt;=100 mg/l Or 40% reduction in BOD load value from the initial reading</td>
</tr>
<tr>
<td>3.</td>
<td>TSS (Total Suspended Solids)</td>
<td></td>
<td>&lt;=100 mg/l Or 40% reduction in BOD load value from the initial reading</td>
</tr>
<tr>
<td>4.</td>
<td>FC (Fecal Coliform)</td>
<td></td>
<td>2500 MPN/ 100 ml</td>
</tr>
<tr>
<td>5.</td>
<td>pH</td>
<td></td>
<td>6.5-9.0</td>
</tr>
</tbody>
</table>

*performance will be considered based on COD values.