

Letter No. **541**/SMCG/Namami Gange/Social & Environmental AuditDated: **26/12/2024**

Ganga's purity is our responsibility
Save Ganga, Save Water, Save Life

To,

The Vice Chancellor
Swami Ram Himalayan University
Jollygrant, Dehradun.

Sub.: Work Order for conducting Social & Environmental Audit of STPs

Ref.: Your Proposal dated 06th November, 2024 and subsequently presentation on technical and financial proposal on 11th December, 2024.

Sir,

This has reference to the proposal submitted by Advisor, Swami Ram Himalayan University (SRHU) Jollygrant, Dehradun to State Mission for Clean Ganga (SMCG) Namami Gange Uttarakhand in response to SMCG's letter no. 446, dated 28.10.2024, subsequently presentation on technical and financial proposal on 11th 2024 December at SMCG office, regarding conducting Social & Environmental Audit of 02 Interception & Diversion (I&D) and 07 Sewage Treatment Plants (STPs) established under Namami Gange program at following 06 locations: -

Table -1

| S.No. | I&D and STPs Name/Location |
|-------|--|
| 1 | I&D and STP Ramnagar (7.00 MLD and 1.50 MLD), Distt. Nainital |
| 2 | 12.5 MLD (7.50 + 5.00 MLD), STPs Muni ki Reti & Dhalwala, Distt. Tehri Garhwal |
| 3 | 26 MLD STP Lakkarghat, Rishikesh, Distt Dehradun. |
| 4 | I&D work Rispana & Bindal River Dehradun. |
| 5 | 14 MLD STP Sarai, Distt. Haridwar. |
| 6 | 68 MLD STP Jagjeetpur, Distt. Haridwar. |

2. In this regard, your proposal for conducting Social & Environmental Audit of I&D and STPs is accepted and SRHU, Jollygrant, Dehradun is hereby being appointed as Third-Party Inspection (TPI) Agency by SMCG for conducting Social & Environmental Audit of I&D and STPs, established under Namami Gange Program & located in the river Ganga and its tributaries basin districts i.e., Nainital, Tehri Garhwal, Dehradun, & Haridwar of the State of Uttarakhand. For this assignment, Mr. Nitesh Kaushik, Deputy Director, SRHU will be the Principal Investigator, and Mr. Raj Kumar Verma, Assistant Manager, SRHU as Co-Principal Investigator alongwith the TPI proposed experts/researchers team for conducting Social & Environmental Audit of I&D and STPs in coordination with concerned Units of executing agency Uttarakhand Peyjal Nigam (UKPJN), Uttarakhand Jal Sansthan (UJS), respective Urban Local Bodies (ULBs), SMCG and GIZ-SGR.

3. Further, Audit Agency/SRHU will coordinate with UKPJN/UJS during execution of Social & Environmental Audit of I&D and STPs, with in a period of 03 months (w.e.f. from 1st January, 2025 – 31st March, 2025). The sanctioned budget for conducting the Social & Environmental Audit in the above I&D and STPs project is as below: -

Table -2

| S. No. | Components | Sanctioned Amount (Rs.) |
|---|---|-------------------------|
| 1 | Salary/Honorarium to Experts (273 days) | 7,44,000.00 |
| 2 | 36 Water/Effluent Sample Collection & Testing at Inlet & Outlet, Air quality monitoring (The sampling/testing cost will be charged on an actual basis, and not as per the quoted amount in this work order/ financial proposal) upto Rs. 3,60,000.00 | 3,60,000.00 |
| 3 | Travel cost | 2,50,000.00 |
| 4 | Boarding & Lodging | 3,06,500.00 |
| 5 | Reporting, Photocopy/Printing & Documentation of 9 sites and one set of draft report and final report (Amount may be increased /decreased as per no. of sites and reports) | 90,000.00 |
| Total | | 17,50,500.00 |
| 6 | Misc & Administration Cost @ 5% of (Sl. No. 1 to 5) | 87,525.00 |
| Grand Total (Excluding GST - Paid as applicable) | | 18,38,025.00 |

... Cont..2/-

Address: 105 (New No. 545/941), Rajpur Road, Opp. R.T.O. Office, Dehradun

Office: 0135-2760022/2762426; E-mail: samganga@ukpn.org



Terms & Conditions: -

1. The execution of Social & Environmental Audit will be monitored by Social & Environmental Audit Team/Committee as constituted vide letter no. 572/SPMG/NGRBA/ SGC dated 19.07.2022, (Copy enclosed, **Annexure-1**).
2. The Social and Environment Audit shall be done in accordance with the NMCG ESMF framework (Copy enclosed, **Annexure-2**)
3. Following points are to be considered by the TPI agency regarding assessing the Social aspects during the assignments:
 - i. Conduct focused group discussions (FGD) with local residents residing in the vicinity of I&D and STPs.
 - ii. Visits to individual households to seek feedback of the beneficiaries
 - iii. Evaluate the health and hygienic conditions of the workers engaged in the operation of I&D and STPs within the premises
 - iv. Assess the safeguard provisions at I&D and STPs for public and workers safety in order to avoid accidents and risks
 - v. Checklist to be made by the audit agency in line with the ESMF framework to assess the social aspects during the operation and maintenance phase of the I&D and STPs and to be vetted by SMCG.
 - vi. The proposed team for conducting the Social & Environmental Audit should meet the requirements as set out in the TOR. CVs of all the team members to be enclosed with the acceptance by the TPI
4. Following points are to be considered regarding assessing the environmental aspects during the assignment: -
 - i. Frequency of water sampling of inlet (untreated) and outlet (treated) will be twice after a gap of minimum 15 days for each STPs during the peak flow time, i.e., total 4 samples per STP. Number of travel days/sample collection and analysis may increase/decrease as per requirement.
 - ii. Environmental audit shall include the compliance of environmental aspects during the operation and maintenance phase of STPs covering-
 - a. water quality monitoring parameters: -
 - o pH
 - o BOD (Biochemical Oxygen Demand)
 - o COD (Chemical Oxygen Demand)
 - o TSS (Total Suspended Solids)
 - o Fecal Coliform
 - o Total Nitrogen
 - o Ammoniacal Nitrogen
 - b. ambient air quality monitoring
 - c. assess the sludge management practices
 - iii. To assess the overall functional status of I&D and STPs, the audit agency needs to develop its own checklist based upon CPCB guidelines and to be vetted by SMCG.
 - iv. To assess the environmental impacts of established I&D and STPs in terms of noise pollution, ambient air pollution, water pollution, sludge storage and disposal, odour problem from untreated or partially treated sewage water, the audit agency needs to develop its own checklist based upon CPCB criteria, reference to the NMCG ESMF may be done.
 - v. In case there is reduction or increase in Scope of Work for sample collection, analysis and travel days, the payment amount shall be made as per actual number of sampling & analysis done/visits done based on the rates as quoted by the University.
 - vi. Prior information has to be given to the concerned division of UKPJN/UJS/ULBs and SMCG before visiting the I&D and STPs.
5. Letter of acceptance by the TPI to be sent to SMCG office within 07 days of issue of work order. The work is to be started subsequently from 1st January, 2025. Request for advance payment (upto 50%) is to be made by the TPI agency. Inception meeting of TPI audit team with SMCG monitoring team to be done in the beginning of the assignment.

...Cont..3/-

6. Draft Audit report is to be submitted to SMCG Office after 02 months of commencement of work. The draft report is to be presented before the audit committee/SMCG team & final report to be submitted to SMCG within 15 days of completion of work.
7. The work is to be completed by the TPI Agency- Swami Ram Himalayan University (SRHU) within three (03) months w.e.f. 1st January, 2025 – 31st March, 2025.
8. The TPI team shall be available for the presentations on the project as per requirements and mutual convenience. Also, necessary coordination to be done with the monitoring team during site visits/projects meeting.
9. Submission of final audit reports (15 hard copies and softcopy in the pen drive).
10. Coordination on above shall be done at SMCG with Dr. Puran Chandra Joshi, Social Management Specialist, sms.spmguk@gmail.com and Mr. Akshay Kumar, Environment Specialist SMCG environment.spmguk@gmail.com alongwith Mr. Merajuddin Ahmad, Technical Advisor, GIZ-SGR, Email: merajuddin.ahmad@giz.de

In above context, it is requested that the respective project investigators of Swami Ram Himalayan University (SRHU) (TPI agency) may start the assignment with ensuring compliance of Terms of Reference (Annexure-3) as well as the terms and conditions listed above under intimation to this office and coordination with above mentioned SMCG team and concerned units of UKPJN/UJS within the prescribed time period. Looking forward to timely execution of assignment.

Enclosures: a/a.

Signed by Ranvir Chauhan

Date: 23-12-2024 15:58:17

(Ranvir Singh Chauhan)
Program Director

Copy for information and necessary action to :-

1. Secretary Drinking Water and Sanitation, Govt. of Uttarakhand.
2. Managing Director, Uttarakhand Peyjal Nigam
3. Director, Urban Development Directorate, Dehradun
4. Member Secretary, Uttarakhand Pollution Control Board, Dehradun
5. Chief General Manager, Uttarakhand Jal Sansthan, Dehradun
6. Prof. HP Uniyal, Advisor, Swami Ram Himalayan University (SRHU),
7. Mr. Nitesh Kaushik, Deputy Director Swami Ram Himalayan University (SRHU) Principal Investigator.
8. Mr. Raj Kumar Verma, Assistant Manager Swami Ram Himalayan University (SRHU) Co-Principal Investigator
9. Social & Environmental Audit Committee members for information and necessary action.

Program Director

