

# TERMS OF REFERENCE (TOR) FOR HIRING OF CIVIL ENGINEER UNDER SPRING AND RIVER REJUVENATION AUTHORITY (SARRA) UTTARAKHAND

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## **BACKGROUND**

In the light of the conditions becoming increasingly difficult day by day for local life due to global climate change and man-made factors and continuously drying up water sources in the state of Uttarakhand in the last few decades, there is a need to identify the natural water sources and rainfed rivers of the state using scientific methods and achieve the goal of revitalization of rivers and continuous flow in water sources by treating them in a phased manner through various soil and moisture conservation interventions like- check dams, contour trenches, recharge pits etc.

To achieve this, the interventions of various line departments needs to be integrated. In view of the, after due consideration, the government has decided to establish Spring and River Rejuvenation Authority (SARRA) under the Watershed Management Directorate.

It will be the Nodal authority of the State for capacity development of various line departments, Institutes, N.G.O of the State and Watershed Department for Scientific planning, implementation & financing and monitoring & evaluation of Spring and River Rejuvenation programmes in the State of Uttarakhand.

## **DESCRIPTION**

The purpose of establishment of Spring and River Rejuvenation Authority (SARRA) at State level is to identify all the water sources of the state which need to be rejuvenated on priority to ensure increase in water discharge and perennially of the spring and rainfed rivers. measurement and monitoring by ensuring community participation of local people for sustainable flow of rain-fed rivers etc..

## **COMPONENTS**

The work to be performed by the mentioned authority (SARRA) will mainly be as follows:

- a) Assessment
- b) Planning and Financing
- c) Implementation
- d) Monitoring & Evaluation
- e) Capacity Development

## **NEED FOR CONSULTANCY SUPPORT**

The key objective of the proposed consultancy is to assess the impact of springshed development and river rejuvenation initiatives mainly sustainability of the existing water sources, recharging, rejuvenating of water sources and benefits to the community for domestic and farming purposes including improvement in soil and moisture regime in the selected springsheds and rivers.

## **SCOPE OF WORK AND JOB PROFILE**

- Formulating and implementing safe construction practices, with a keen emphasis on creating civil works and various soil and water conservation structures like- check dams, contour trenches, recharge pits etc., that prioritize safety, durability, and resilience against various natural and man-made disaster.
- Make plan for effective various soil and water conservation structures, regulations and its implementation in the state.
- Provide vital support to the SARRA and related departments in planning and development, including contribution in valuable insights and expertise to enhance sustainability of Spring and River Rejuvenation.
- Liaise, communicate, and execute effectively with implementing agencies and districts, ensuring collaboration and coordination to achieve SARRA goals.
- Preparation and evaluation of estimates/Schedule of Rate (SoR) of various soil and water conservation and Spring & River Rejuvenation work estimates and ICT tools/Dashboard for the same.
- To do regular monitoring of all the construction works carried out in the working area so as to ensure the quality.
- Other duties to be performed as per requirement of SARRA Headquarter/WMD.

## **ESSENTIAL QUALIFICATIONS**

### **Professional profile**

The candidate should have-

- a) B.E/B. Tech in Civil/Architecture.
- b) He/She should have at least 05 years of working experience in structure Designing/ Planning/ Execution/ Maintenance of water and soil conservation/Civil Engineering works.

### **Preferable**

- Knowledge and use of Auto CAD software would be preferred.

## **TERM AND CONDITION**

- Candidates Services should not have been terminated by any organization due to non-performance.
- Service related term and condition will be disclosed at the time of contract.

## **REPORTING**

The Civil Engineer shall submit to the SARRA Headquarter/WMD report and documents as specified above 'Job profile' within the set period. The reports should be submitted in Hard and Soft copy as desired by the project authorities.

Any other reports as may be required on issues evolving from time to time.

**WORK STATION**

The Civil Engineer would be based in the SARRA Headquarter/Watershed Management Directorate, Dehradun and would make field visits to all project areas as per requirement and instructed by SARRA.

**DURATION OF ASSIGNMENT**

Initially the assignment would be for 11 months, on full time basis which may be extended, subject to satisfactory performance report from concern authority and mutual consent of the SARRA authorities and the individual Civil Engineer.

**OWNERSHIP**

SARRA Headquarter/Watershed Management Directorate of Uttarakhand will have ownership of all the documents and material developed. The Civil Engineer will have no right of claim to the products developed and shall not replicate them without prior consent of WMD.

**REVIEW COMMITTEE TO MONITOR THE CIVIL ENGINEER PERFORMANCE**

A review committee constituted of members selected by SARRA Headquarter/WMD would monitor and review the performance, quality and impact of the activities undertaken by the Expert. The members of the review committee will be as under:

- a) Additional Chief Executive Officer SARRA
- b) Chief Finance Officer, SARRA Headquarter/WMD
- c) Deputy Director, SARRA Headquarter/WMD
- d) Deputy Director, Administrative, WMD
- e) Deputy Director, Planning, WMD

**INPUTS TO BE PROVIDED BY THE SARRA HEADQUARTER/WMD**

The Civil Engineer would be provided all the necessary relevant documents and manuals etc. by SARRA Headquarter/WMD.

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