

**TERMS OF REFERENCE (TOR) FORHIRING OF GEO- HYDROLOGIST UNDER
DISTRICT SARRA CENTRE OF
SPRING AND RIVER REJUVENATION AUTHORITY (SARRA) UTTARAKHAND**

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 District SARRA Center of Spring and River Rejuvenation Authority (SARRA) is to identify all the water sources of the District which need to be rejuvenated to ensure increase in water discharge and flow of the spring and Rainfed Rivers. District SARRA Centers will coordinate between different PIAs for the said purpose and help them for planning, implementation and monitoring for sustainability of water resources, in guidance of SARRA.

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 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

- Develop base line information of water sources and water harvesting structure in the District to establish water conservation, water harvesting and water use baseline and coordination with technical staff and institutions.
- Help creating a baseline figure of streams, rainfed rivers and springs on the base flow and undertake pre and post monsoon, monitoring of the discharge rate and coordination with different district level Institutions/ Department/PIAs.
- Provide technical input for meeting the SARRA objectives.
- Provide technical input for Geo-Hydrological survey and recharge area identification of different water sources for rejuvenation activity.
- Coordination and evaluation of various reports.
- Provide trainings for capacity building of different stakeholders.
- Progressive impact assessment of available water resources and water harvesting structures develop by the authority.
- Progressive assessment of the impacts of Rainfed Rivers and Springshed development initiatives for rejuvenating water resources.

ESSENTIAL QUALIFICATIONS

Professional profile

The candidate should have-

- a) Graduate in Water Resources/Water Management/Hydrology/Soil and Water Engineering/Geo-Hydrology/Geology/Geography or relevant sciences.
- b) He/She should have at least 02 years working experience in Springshed/ Watershed Management/ Capacity Building etc.

Preferable

- Working Knowledge of Computer.

JOB PROFILE

- To assist for developing district level protocol for Springshed Management, River Rejuvenation and Ground Water Recharge.
- Geo-hydrology assessment of different Springshed, River Rejuvenation and Ground Water Recharge work plans.
- Mapping of Springs, Streams, Rainfed Rivers and other water sources of district.
- Given technical support to different district level Institutions/ Department/PIAs.
- To assist in preparing the State ATLAS of Water Sources, Spring and Rivers.
- Give technical support for developing different IT/ Web based Application for planning, implementation and Monitoring & Evaluation for the above works.

- Technical input for Geo-Hydrological survey and recharge area identification of different water sources for rejuvenation activity.

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.

REMUNERATION

- Rs.50,000 /- (fixed) depending on qualification, experience and competency of the candidate.

REPORTING

The Expert shall submit the report and documents to District SARRA Centre, Haridwar as specified above 'Job profile' within the defined 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 Expert would be based in any of the District SARRA Centre, Haridwar and would make field visits to all project areas as per requirement and instructed by District SARRA Center and State HQ.

DURATION OF ASSIGNMENT

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

OWNERSHIP

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

REVIEW COMMITTEE TO MONITOR THE EXPERT PERFORMANCE

A review committee constituted of members selected by District SARRA Centre would monitor and review the performance, quality and impact of the activities undertaken by the Expert.

INPUTS TO BE PROVIDED BY THE DISTRICT SARRA CENTRE

The Expert would be provided all the necessary relevant documents and manuals etc. by District SARRA Centre.
