

Terms of Reference
Environmental and Urban Sector Programme Support (EUSPS)
Bhutan

Draft

International/Regional Technical Assistance

Post: **Water Supply Specialist**

Duration: **30 days in Bhutan**

Background:

EUSPS is Danida assisted programme with 5 components of which the Component No. 5 is “Support to Development and Management of District Towns”. Under the Component 5, the programme support to the district towns of Tsirang, Trashigang, Gyelposhing, Gelephu and Samtse. The strategy to support the development of the five towns is a combination of capacity building, technical support and development of infrastructure facilities. Among the many urban infrastructures to be provided in the towns, the main element, which takes bulk of the component budget, is on water supply. The preliminary design and drawings of the scheme are prepared in all the towns including BOQ.

Deleted: four

Qualifications:

- M.Sc. in public health or environmental engineering.
- Specific extensive knowledge on hydraulic design, preparation of construction drawings on surface water treatment of the urban water supply of small urban centers.
- At least 10 years experience in planning, design and construction of surface water treatment.
- Fluency in verbal and written English

Duties:

- The Water Specialist will review the design and drawings of the water supply scheme of the four designated towns.
- Prepare a hydraulic design of the scheme of various water supply components, namely: intake, sedimentation tank, raw water main and supply mains, treatment plant, and storage reservoirs.
- Thoroughly review the surface water treatment plant and drawings and advise and guide on the future course of actions.
- In consultation with Urban Infrastructure Service Division, finalise the treatment plant process and technical specifications of the materials to be used in the plants.

- During the input, give on the job design trainings to the local engineers.

- | • Carry out field visit to all the project sites.

Deleted: a

Deleted: all