



LOCAL ROADS BRIDGE PROGRAMME (LRBP)

ANNEX 2

Terms of Reference for Support Engineer:

- Support the Regional Office under Regional Bridge Coordinator in the overall bridge design and construction supervision works;
- Prepare detailed working-drawings for construction using international standard AutoCAD (or other popular software), containing all details required for the execution of the bridge construction works;
- Verification of collected information about hydrology e.g. catchment characteristics, rainfall, stream/channel characteristics, design discharge, linear waterway, scour depth etc. for all cross drainage works and bridges;
- Coordination with the consultants on investigations for naturally occurring materials and identify suitable quarries for these materials to the extent possible promote locally available construction materials;
- Assist in conducting geo-technical investigation and sub-surface exploration at all the proposed bridge locations in Joint Visit with the Consultants, Surveyors, when required Prepare detailed cost estimates as well as cross-Check Bill of Quantities and estimate prepared by consultants and Contractors;
- Support Bridge Design Engineer on preliminary survey works, verify Bridge Design, Drawing and Estimate Report submitted by the Consultants.
- Support to implement the Quality Assurance System in Bridge Building and support to manage contracts;
- Under Regional Bridge Co-ordinator, support the Sub engineers / Site In charges on construction supervising works like bridge lay-out, quality control, measurement and payments recommendations etc.