

TERMS OF REFERENCE

Short Term (Supplementary) Consultancy Service for Preparation of Environmental and Social Management Plans (ESMPs) for Nari Gorge (Package 1 & 2), Gundacha and Nurg Hingri Schemes

1. Background

The Government of Balochistan has obtained a credit (No. 5885-PAK) from the World Bank for implementation of the Balochistan Integrated Water Resources Management & Development Project (BIWRMDP). The BIWRMDP Project will be implemented by the Government of Balochistan through the Balochistan Irrigation Department with support from other government departments and various consultants. The Project intends to hire Short Term (Supplementary) Consultancy Service for Preparation of Environmental and Social Management Plans (ESMPs) for Nari Gorge & Gundacha Nurg Hingri Schemes to provide the services described in these Terms of Reference.

PROJECT DEVELOPMENT OBJECTIVE (PDO):

The development objective of the Project is to strengthen provincial government capacity for water resources monitoring and management and to improve community-based water management for targeted irrigation schemes in the Nari and Porali river basins of Balochistan. Progress towards the PDO will be measured using three indicators: (i) the percentage of available quality-assured hydro-met data from project basins publicly available in online data system, (ii) the irrigated area within project schemes with good water management practices, and (iii) the number of direct project beneficiaries (and the percentage of female beneficiaries).

Project Area:

The project area encompasses the Nari and Porali river basins of Balochistan (Figure 1). The Nari River Basin is the largest (69,224 km²) in Balochistan comprising of 20% of the area of the province. The Nari drains to terminal wetlands internal to the Indus River Basin. The Porali River rises in the hills of Wadh mountain range in the district of Khuzdar and runs through the plains of Lasbela District and into the Arabian Sea. The Porali River Basin is 11,616 km² in area.

The Gundacha Nurg Hingri Scheme is located in District Lasbela. These are two weir systems i.e Gundacha Weir which is meant for diversion of perennial water while Nurg Hingri is a flood diversion Weir. Main objective of the proposed package is to provide reliable diversion of irrigation water supply system at Gundacha, and to upgrade/improve the performance of existing Nurg-Hingri diversion structure including channels for achieving full benefits from the Gundacha-Nurg/Hingri package of this development program. The package is expected to irrigate 12199 ha of land.

2. Existing Documents

The EIA & SIAMP of the project has already been completed has also been prepared for Nari Gorge, Gunacha and Nurg Hingri Integrated Schemes. All these documents are available at the project office.

The overall objective of the Short-Term Consultancy is to assist Environment and Social specialists of the Project at PMU for immediate preparation of ESMP for Nari Gorge and Gundacha Nurg Hingri schemes so that the works may immediately be started after the approval of requisite ESMPs without any further delay.

3. Baseline Monitoring

All the cost relating to the baseline monitoring shall be bear by the Project. The baseline monitoring shall include Ambient Air, Noise, Water monitoring as per World Bank guidelines. If any, additional monitoring or study required by the World Bank for this ESMP, it will be carried out by the project proponent (PMU).

4. Scope of Work

The Consultant should work closely with the Project Team and Environment and Social Specialists and prepare the ESMP/s, including implementation plans and monitoring frameworks, in accordance with the standards acceptable to the World Bank. The tasks associated with this Short-Term Consultancy include but are not limited to the following:

7. Structure of the ESMP report:

- *Executive Summary*. This should provide a general summary of the ESMP contents and key findings, in a vocabulary that is easily understood by the public.
- *Introduction*. This Chapter should introduce the study, the objective and methodology of the ESMP, the structure of the report, the project, the study team, and provide other relevant information.
- *Regulatory review*. This Chapter will discuss the national and provincial legislation, regulations and guidelines, World Bank Operational Policies relevant to the project and ESMP, indicating how the various requirements have been or will be complied with during the planning and implementation stages of the subprojects.
- *Project description*. This Chapter will first provide background to the main project and then the relevant subprojects to explain why they are being planned. The Chapter should then give an overview of the key subproject components, chosen alignment/siting, supporting infrastructure including access routes and workers' camps, and its overall development context. Maps should also be included.
- *Environment baseline*: Introduction, Physical Environment, Land, Land Use, Hydrology, Access Road/s, Schools and other Public Structures, Physical and Cultural Property/s, Air Pollution, Water Quality. Biological Environment, Flora, Fauna, Fisheries
- *Social baseline*: socio-economic profile including: demography, ethnicity and caste, literacy and education, pre-dominant sources of livelihood and income, land use, water rights, gender, poverty, societal institution influence (including water use and distribution, decision-making and conflict resolution), social conflicts, state institutions (including for water distribution, dispute resolutions), physical cultural resources (PCR); infrastructure profile including: education facilities, healthcare facilities, drinking water, sanitation and sewerage, solid waste disposal, law and order, dispute resolution.
- *Impact assessment and mitigation measures* (mostly generic). This Chapter should provide an analysis of generic potential direct, indirect/induced, and cumulative impacts to be caused by the project's construction and operation.
- *Stakeholder consultations*. This Chapter will describe the objective, process, and outcome of the stakeholder consultations carried out during the ESMP preparation. Write up will include

methodology, disclosure of sub-project information, consultations with local communities, consultation with local state institutions

- *Environmental and Social Impacts and Mitigation Measures*: social impacts include land requirements (effect on agricultural land, housing and dwelling, commercial properties and business), impacts on livelihood, impacts on water rights, physical cultural resource issues, labour issues, overall social screening outcomes. The chapter will also provide institutional arrangements, screening methodology, mitigation plan, monitoring framework, capacity building.

- *Environmental Management and Implementation Monitoring Plan*

- *Social Management and Implementation Monitoring Plan*: objective, institutional arrangements, management responsibilities, role of PMU and PIUs, consultants' role, contractor's role, impacts mitigation monitoring plan, progress reporting.

- *Grievance Redress Mechanism*

- *Public Consultation Framework*

- *Training and capacity building plan*

- *Budget*: Estimate budget for executing the ESMP, monitoring cost, etc.

- *Annexes*: Screening checklists (land needs, assets, impact on livelihood, PCR, etc.), Voluntarily Land Donation (VLD) form and protocol, Maps of sub-project area and photographs documenting existing conditions on site; sub-project design documents and drawings; List of the professionals and organizations having contributed to the preparation of the ESMP Report; copy of the Final Terms of Reference of the Study; List of consulted documents, including project-related reports; field survey forms; Baseline data; Record of consultation meetings with primary and secondary stakeholders.

5. Qualification and Experience

- Master's and/or advance degree in Environmental or Social Science or Masters in Environmental Management / Natural Resource Management or Environmental Engineering,
- At 07 seven years of relative professional working experience under public/private development organization/s, preferably experienced in Social & Environment planning and management for World Bank financed project/s. Preference will be given to experience in Balochistan Province the BIWRMDP areas.
- Strong analytical and writing skills are needed.
- Familiarity with local languages, culture and norms is preferable.

6. Remuneration

The Consultant shall be paid a lump sum amount for all the related activities for completion of the assignment i.e drafting, finalizing and submission of all schemes (above mentioned) the ESMPs.

7. Selection Criteria

The incumbent will be selected in accordance with the procedures set out in sub-section 5 of The World Bank Guidelines: Selection and Employment of Consultants by The World Bank Borrowers [January 2011 (Revised July 2014) "Consultant Guidelines"].

Applicable Ops: Operational Policies (OP) /Bank Procedures (BP), *OP / BP 4.01 Environmental Assessment, OP / BP 4.04 Natural Habitats, OP 4.09 Pest Management, OP 4.11 Physical Cultural Resources, OP / BP 4.12 Involuntary Resettlement, OP 4.10 Indigenous Peoples, OP / BP 4.36 Forests, OP / BP 4.37 Safety of Dams, OP / BP 7.50 Projects on International*

Waterways, OP / BP 7.60 Projects in Disputed Areas, BP 17.50 Disclosure of Operational Information.

The consultants will also make use of the WBG Environmental, Health, and Safety Guidelines, World Bank guidelines on Managing the Risks of Adverse Impacts on Communities from temporary project induced labor influx and Environmental Code of Practices (ECOPs)