

GOVERNMENT OF PAKISTAN

INTEGRATED FLOOD RESILIENCE AND ADAPTATION PROJECT (IFRAP)

Terms of Reference and Scope of Services

Consulting Services – Program Specialist Irrigation (Individual Consultant) for Component 1: Community Infrastructure Rehabilitation

1. Background

Balochistan has been disproportionately affected by the 2022 floods. The floods have exacerbated the socio-economic challenges in the province, pushing the multidimensional poverty rate to 81.1 percent from 70.2 percent. Agriculture, the backbone of Balochistan's economy, is the hardest-hit sector. Agriculture makes up 52 percent of the provincial GDP and 67 percent of the labor force. The floods resulted in over 500,000 livestock casualties (63 percent of the national total), resulting in production losses of PKR 79,619 million. Livestock losses have negatively impacted livelihoods (70 percent of households depend on livestock for their livelihoods and income). In addition, the harvest failure due to the floods during the "Kharif" season resulted in production losses amounting to nearly US\$2 billion, compromising livelihoods and food security. According to World Bank analysis, Pakistan's food inflation jumped from about 15.3 % in March 2022 to 31.7 % by September 2022, and reached 35 % by December 2022, following the devastating monsoon floods that began in June 2022. The damage to 586 primary health facilities in Balochistan (305 fully damaged, 282 partially damaged) has further disrupted essential health services. As a result, the province currently has the highest proportion of people (59 percent) who lack access to health facilities. In addition, a multisectoral rapid needs assessment (RNA) conducted in 515 villages across ten districts of Balochistan found that approximately 2,000 classrooms have been damaged and destroyed, the recovery of which will cost over PKR 24.4 million.

Balochistan experienced widespread damage to critical infrastructures, especially housing, transport and communications, WASH, and community-level facilities. As per the initial estimates, the floods have caused damage to more than 190,000 housing units across the province, including close to 69,000 units destroyed and more than 120,000 partially damaged. Infrastructure damage has caused the temporary isolation of most of Balochistan, with 2,222km of roads and 43 bridges damaged, impeding people's ability to access healthcare, food markets, and other vital services and restricting the delivery of aid to people who need it. Across the province, 456 flood protection/irrigation schemes were partially damaged or destroyed, including 367 water supply and 89 sanitation schemes.

Overall, the Post Disaster Need Assessment report prepared by the Ministry of Planning, Development and Special Initiatives (MoPDSI) in close coordination with all provinces indicates that Balochistan requires PKR 491 billion (US\$2.3 billion) for recovery and reconstruction over the next 5 to 7 years. This estimate does not include investments to strengthen Balochistan's overall resilience to future climate shocks. The Post Disaster Needs Assessment (PDNA) and Resilient Recovery, Rehabilitation, and Reconstruction Framework (4RF) suggest that cross-sector recovery requires both short- and medium-term reconstruction and rehabilitation as well as long-term critical reforms to address resilience and to build back better. Against this backdrop, the GoP has requested the World Bank to urgently support the immediate needs of Balochistan for flood recovery and reconstruction in core socioeconomic sectors to help restore livelihoods and essential services, including housing, transport, and irrigation, while building a foundation for long-term flood resilience through strengthening institutions and information (including Hydromet and early warning capacities) through the Integrated Flood Resilience and Adaptation Project (IFRAP).

2. Specific Tasks and Responsibilities:

The Program Specialist Irrigation (Individual Consultant) will report directly to the Project Director-PIU Component-1 of IFRAP, providing regular updates on the progress, challenges, and other relevant matters related to the implementation of irrigation-related interventions/schemes under Component-1 of IFRAP.

- ✓ Develop a detailed plan for the implementation of community infrastructure rehabilitation projects under Component-1 with focusing on irrigation schemes, and work closely with the PIU Component-1 of IFRAP to ensure alignment with project goals.
- ✓ Liaise with the PIU and Balochistan Irrigation Department, and other concerned departments for seamless execution of infrastructure projects, leveraging expertise gained from previous projects.
- ✓ Provide technical oversight and guidance to ensure the successful completion of the infrastructure works of the irrigation component, collaborating with the Balochistan Irrigation Department to address technical challenges and implement best practices.
- ✓ Review and provide input on the technical designs, BoQs, and feasibility studies prepared by engineering consultants, ensuring alignment with project objectives and site conditions.
- ✓ Review and provide input on the supervision firm reports during implementation, ensuring that construction activities adhere to approved technical designs, BoQs, timelines, and quality standards.
- ✓ Collaborate with the Project Implementation Unit (PIU) to ensure adherence to fiduciary standards, monitor budget utilization, financial reporting, and compliance with donor requirements.
- ✓ Work closely with the PIU Component-1 of IFRAP to ensure compliance with environmental and social safeguards, mitigating potential risks, and addressing issues related to community infrastructure projects.
- ✓ Prepare comprehensive and detailed reports on the progress, challenges, and achievements of PIU-Component-1 of IFRAP, especially focusing on irrigation schemes, submitting timely updates to the Project Director, FPMU, Steering Committee, and other stakeholders.
- ✓ Establish and maintain effective communication channels with the Engineering Firm, Balochistan Irrigation Department, fostering collaboration and cooperation to ensure the successful implementation of community infrastructure projects and the timely completion of irrigation schemes of PIU – Component-1 of IFRAP.
- ✓ Implement and oversee quality assurance measures for infrastructure works and timely reporting the issues (if any), collaborating with relevant technical teams and Engineering firms to ensure that projects meet established quality standards till successfully completion.
- ✓ Engage with local communities to gather feedback on infrastructure needs and concerns, incorporating community input into the planning and execution of community infrastructure projects related to irrigation schemes.
- ✓ Ensure to maintain accurate and up-to-date documentation i.e., stage wise geo-tagged pictures, means of verifications, ensuring the evidence-based data to be uploaded on MIS system by concerned firms' staff, reports, material testing reports, minutes of the meetings and other related

useful information related to community infrastructure rehabilitation projects, ensuring compliance with record-keeping protocols and legal requirements.

- ✓ Implement a continuous improvement framework for infrastructure projects through regular evaluations and feedback mechanisms, fostering a culture of innovation and adaptability to emerging technologies and methodologies.
- ✓ Any other tasks assigned by the Project Director, PIU Component-1 of IFRAP.

3. Consultant Qualifications and Experience

- Master's / Bachelor's (minimum sixteen years of education) in Civil Engineering, Water Resources Engineering/Management, or any other relevant discipline
- A minimum of seven (07) years of post-qualification professional experience in irrigation and water management projects.
- Demonstrated experience in designing, implementing, and managing community-driven Irrigation infrastructure projects.
- Experience in Program management, MIS systems, & community development projects.
- Strong knowledge of sustainable water management practices and the ability to integrate these practices into various relevant activities under the component
- Comprehensive understanding of social safeguard policies, including environmental and social impact assessments, as required by international financial institutions, particularly in the context of donor-funded projects.
- Experience working in Balochistan or similar regions, with a deep understanding of local socio-cultural dynamics.
- Demonstrated knowledge of climate-resilient infrastructure design and flood risk management, with experience integrating climate change adaptation measures into irrigation or community infrastructure projects.
- Proficiency in local languages and an ability to engage effectively with local communities will be considered a significant advantage.

4. Salary and Benefits

A market-based, competitive salary (lump sum with no additional benefits) will be offered based on qualifications and experience.

5. Time frame of Consultancy

The services of the Consultant will be required full-time for the entire life of the project. However, the continuity of the contract will be contingent upon the consultant's satisfactory performance.

6. Selection Process:

Consultants will be selected following the procedures set out in "The World Bank Procurement Regulations for IPF Borrowers" for the selection of Individual Consultants.