

## **Scope of Work – Engineering/Technical Support to 2011 Emergency Flood Response (Nov-Dec 2011)**

### **Background to 2011 Sindh Emergency Response**

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The 2011 monsoon rain/floods caused extensive devastation to entire communities across the southern parts of Sindh Province. CRS Pakistan have completed the relief phase response by support to to 13,571 households, who were heavily affected by the recent catastrophic floods in Sanghar, Mirpur Khas and Khairpur Districts of Sindh Province. After conducting the in-depth sectoral assessment in October 2011, CRS/Pakistan is planning to start early recovery projects in Mirpurkhas and Sanghar with its implementing partners (RDF and GSF). CRS/Pakistan has secured funding to start a response to support construction of 1,000 shelters and to start WASH activities with 5,600 households. Due to a high demand for technical staff there is a challenge to hire technical staff immediately and for short time period (5-6 months). CRS/Pakistan would like to start project activities immediately and would require the technical staff from Mansehra for an initial 3-4 week TDY, and possible longer term.

### **TDY / SoW Activities**

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- Provide technical support to CRS and partner staff in the village selection, identification of HPs and other water infrastructures, site preparation and quality inspection of the work.
- Prepare BOQs for Repair of Hand pumps, construction of apron and drainage, soak away pit etc. at each selected villages.
- Conduct water quality tests (pre and post) rehabilitation/reconstruction of each drinking water infrastructures and based on the results, suggests appropriate treatment mechanism for ensuring clean and safe water.
- Help in identification and training of community hand pumps technicians and monitoring their work
- Help in identification of suppliers for WASH materials in local markets and ensure the quality of WASH materials provided by supplier and have inspection protocols and system in place for the purchased materials.
- Maintain effective coordination with CRS Program team and partners and identify relevant problems and positively recommend suitable solutions.
- Ensure proper supporting documents for payment to vendors for the WASH materials.
- Closely monitoring of WASH activities at village level and provide on the spot technical assistance and guidance to households and skilled labours/Technicians.
- Ensure that each household repaired HP and community ponds are standard compliant and DRR component are taken care of.

### **Deliverables**

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- Provide technical assistance and support in the WASH activities including the repair of Hand pumps and construction of Aprons etc.
- Proper system and procedure prepared in conjunction with program team for vouchers and its liquidation and is implemented.
- Community skilled labours and households are trained on SPHERE Compliant and DRR focused interventions.

### **Reporting / Work Relationships**

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The Engineer will work closely with:

- Program Manager Early Recovery
- Emergency Coordinator
- Head of Office
- Partner staff
- Newly recruited CRS POs

### **TDY Compensation and Benefits**

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- There will be no compensation/grade change with TDY.
- Staff member will be eligible for per-diem and accommodation per CRS policy. Family will not be eligible for per-diem.
- Employee will bring laptop to use in Mirpur Khas and Sanghar.
- Employee/TDYer will get one day leave in lieu of work done on the weekend once the TDY is over.
- Accommodation will be provided by CRS – this will be either hotel, partner guest house, or a rented room.