

## Terms of Reference

### **Conduct of Feasibility Study for Establishment of Rescue Stations at District Level in Sindh**

#### **Background**

Unexpected emergencies demand rapid and coordinated response to prevent fatalities and injuries, reduce damage to buildings, stock and equipment, protect the environment and the community and accelerate the resumption of normal operations. The Sindh province is susceptible to natural and manmade hazards and various events of daily life emergencies are reported throughout province ranging from small to large scale losses and damages. The aim of establishment of Sindh Disaster & Emergency Response Service alias Rescue Service is to provide emergency rescue services through a central command & operation center for better emergency service delivery to the people of Sindh province. The service will not only improve the emergency service delivery but at a later stage will develop the safer communities through training and awareness programs at various strata of community i.e., emergency response teams from communities, schools and educational institutes and inculcating safer environment in work place and industries.

Through financial sponsorship of the World Bank, Government of Sindh is establishing Rescue Services in the province. Provincial Disaster Management Authority is executing this project and in first phase, planning for Rescue Services at divisional headquarters of the province is complete and currently is in execution phase. Gradually, services will be extended to cover entire province for rescue services in shortest possible time. For better coverage and service delivery, cluster of satellite rescue station spread over entire province is required.

Henceforth above in view, 06 District Level rescue stations have been envisioned. Based on preliminary experience, Sujawal, Sehwan, Nausheroferoz, Jacobabad, Ghotki, North Karachi and Korangi cities / towns of the concerned district have been identified for establishment of service centers. The emergency rescue system would consist of but not limited to District Rescue Stations, Sub-Station and Advanced Field Units (AFUs) consisting of rescue personnel, ambulances, Rescue vehicles and ancillary equipment to reach the congested emergency area. Before establishing services at these locations, feasibility study is required to determine, usefulness of services, scope of services, suitable location of the center, land requirements, rescue service equipment, personnel, office and equipment and all relevant study required before establishment of such services.

In the light of above, PDMA Sindh requires the services of qualified firm to conduct feasibility study for rescue services in locations as mentioned above.

## Objectives

The broader objective of the feasibility study is to identify the most appropriate locations in Sujawal, Sehwan, Nausheroferoz, Jacobabad, Ghotki, North Karachi and Korangi towns or any other suitable locations within concerned district of the town / city. In case establishment of rescue station is not feasible in specified cities / towns / districts due to solid convincing reasons based on scientific study, the consultant firm is expected to propose other locations across the Province.

The consultant is expected to conduct following;

- Study existing emergency rescue systems and models in Pakistan and Divisional Level setup of Sindh. Assessment of the current emergency systems held with various organizations in Sindh and propose way forward along with deployment plan of vehicles and rescue staff as per need basis.
- Study existing available government buildings / offices that can be used as rescue station with necessary modification / refurbishment and propose design for new rescue buildings.
- Need analysis with appropriate locations of rescue stations for early response
- Data collection and physical survey and propose appropriate locations / sites where rescue stations can be established
- Feasibility study expected to determine:
  - nature of most frequent disaster and emergency incidents in target districts
  - number and type of vehicles required in-line with nature and frequency of incidents
  - composition of rescue teams to meet the identified requirements
  - Identification of suitable locations for establishment of rescue stations

## Scope of Work

- Collection and compilation of the primary and secondary data on nature, frequency and intensity of natural and manmade disasters and medical emergencies within the concerned districts
- Data collection & physical surveys for most suitable site identification wherein District Rescue Station, Sub Station and Advance Field Unit (s) shall be established
- Conduct environmental scan of potential sites to ensure that the identified locations are not close to or within critical habitat, or close to water body (river, lakes, streams), have appropriate portable water availability and other utilities, adequate drainage and sewerage system to avoid any disruption /disturbance to land, water resources or ecology of the area.

- Conduct consultations with potential stakeholders of selected location to avoid any social conflicts, concerns or grievances in the area
- Identify and inform the legal status of the potential location /land for new facilities
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- Preparation of initial working paper and surveying results
- Preparation of detailed specification and bidding documents for all types of vehicles required at rescue stations, rescue equipment, communication equipment etc.
- Prepare strategies and, develop an integrated management of plan for process
- Carryout the initial environment examination (IEE) of the project to evaluate environment and social feasibility of the project, identify the potential environmental and social impacts of the project activities and provide mitigation measures for the potential environmental and social impacts.
- Identify and evaluate sustainable energy and resource efficient measures that could be incorporated into building designs of the Rescue building with resource estimates
- Prepare master plan for establishment of new rescue stations or modification / refurbishment plan for existing government facilities as the case may be after conduct of study
- Detailed design plan along with layout of identified site and propose adequate parking space for rescue vehicles and stationing of rescue staff for immediate deployment and dispatch.
- Identify and propose the kind of and list of the emergency equipment which shall be required and used by the rescue teams
- Identify / recommend rescue station locations and a phasing plan for station development / construction based on but not limited to:
  - a) *Land use*
  - b) *Population*
  - c) *Density*
  - d) *Physical or other barriers*
  - e) *Environment and social considerations*
  - f) *Future residential and commercial development*
  - g) *Transportation infrastructure, including the ability for on-call rescuers to respond to the rescue station(s)*
- Prepare cost estimates for construction / development, equipment, allied facilities, HR, operations & maintenance
- Prepare and submit project inception report, project review reports
- Prepare and submit draft and final version of feasibility study report.

**Project Duration:**

08 months after signing of contract

**Deliverables:**

<b>S.No</b>	<b>Description</b>	<b>Timeline (Total 8 months)</b>
1	Inception report with detailed methodology and project execution plan	15 days
2.	Collection of primary and secondary data on natural and manmade disasters in concerned districts	1.5 Months
3	Conduct of physical survey and identification of suitable sites for establishment of rescue stations and submission of preliminary site selection report along with team composition for each site	5 months
4	Submission of detailed specification and draft bidding documents for vehicles and equipment required for rescue stations	6 months
5	Submission of draft comprehensive feasibility study report covering all aspects as set out in study objectives and scope of work	7.5 months
6	Submission of Final Report	8 Months

**Qualification of Consultants****Selection Criteria**

Consultants will be selected in accordance with the Consultant's Qualification Based Selection (CQS) method as stipulated in World Bank Procurement Regulations (July 2016) revised November 2017 & August 2018.