

# PROVINCIAL HOUSING AUTHORITY

## TERMS OF REFERENCE FOR

### DETAIL PLANNING AND DESIGNING OF SWAT MODEL TOWN (1506 KANAL ) MOZZA ABUHA TEHSIL BARIKOT DISTRICT SWAT

#### A. Scope of Work

##### 1. DETAILED LAYOUT PLANNING.

- a) Topographic Survey.
- b) Soil investigation.
- c) Detailed layout planning should be as per National reference manual planning standards & Site Development Rules notification of the Provincial Govt. **(power point presentation to the competent authority)**
- d) Detailed designing of roads & road structure including cross sections and long sections.
- e) Hierarchically categorized road network with Row's and schematic illustration, of intersections in plan with relative location of services in cross section.
- f) Location of utilities and services in plan and cross section.
- g) Open spaces by type i.e. master landscape plan of town.
- h) The consultants will prepare PC-1 cost estimates and submit detailed engineering design and calculations, tender documents, Technical Specification contract agreement working drawings and engineers cost estimates for all the following on and off-site infrastructure facilities.
  - 1) Roads.
  - 2) Storm Water Drainage System.
  - 3) Bridges and Culverts.
  - 4) Potable Water by Drilling bore holes. Water supply works including source development transmission and distribution networks and reservoirs with complete design of treatment and recommended treatment practice in case of surface water source along with O&M manual.
  - 5) Detail design of sewerage and sanitation system including sewers network and lift station.
  - 6) Waste water treatment and disposal system with complete design of waste water treatment plant, along with its useful disposal system accompanied with cost comparison of biological treatment in support of recommended treatment practice along with operation and maintenance manual.
  - 7) Solid waste management including collection, storage transfer and its disposal practice (sanitary, land fill, composting or incineration) and recommendation for the recycling accompanied by detail design for each component or proposed system.
  - 8) Designing of electrification in Streets its illumination and grid stations.
  - 9) Master landscape components (typical).

10) Design calculations based on uniform building code 2007, for the construction work.

**B. Detail supervision during execution of the Project.**

The consultant company will be responsible for detail supervision, with a specific role of engineers, during execution of the project to be elaborated in the detail agreement.

**C. Time Duration.**

The project will be completed in 40 days from the date of award of contract.

**D. Cost**

Separate Lump-sum cost including taxes and incidentals may be quoted for:

- i) Designing
- ii) Detail Supervision.

**E. Terms of Payment.**

**1. Designing**

- a. 30 % on all draft reports roads, drainage, sewerage and Water Supply.
- b) 10% on draft report for electrification
- c) 60% on approval of the reports

2. Detail Supervision: Commensurate with the physical work as per conditions to be incorporate in the agreement.

**F. Legal framework/Governing Law**

The KPPPRA Rules 2014 will be followed.

**G. Technical team**

Mention the names of team to be assigned, which will not be changed during the currency of the project.

**H. Deliverables.**

1. Master Plan to be presented to Secretary Housing with one week after award of the contract.
2. The remaining work will be completed within one month from the award of the contract.
3. 5 copies of each item
4. Softcopy of the designing.

Director Town Planning