

Brief scope of work :

This tender for Aldayer in wilayat Madha:

- Aldayer sub-division is an existing area & future planned area. There is no water network and the existing houses supplied by tankers.
- There is around 40 houses in this village.
- The deferent in elevation between existing water reservoir and some plots is around 70 meter hence PRV is required to reduces the pressure on part of those exiting houses & future plots. HDPE pipeline with diameter 180 & 110 mm and length of 4.4KM and 5.3KM should be constructed to feed the proposed network in this planned area.

SUMMARY OF SCOPE FOR WORK:

The main Scope of Work for Contractor shall comprise some of the following:

- Construction of distribution network, total length of 9776M.
- Construction/installation of (27) fire hydrant
- Construction of required isolation valves (20 Nos)
- Construction of washouts 5 No.
- Construction of PRV Pressure reduce valve 1 No.
- Construction of air valves 7 No.
- Construction of DMA 1No.
- Construction of Booster Pump three pumps (2w+1s), Q= 40-50m³/h, H= 110 to 130 m proposed to feed the tank.
- Supply and delivery of 5000 USG HDPE tank.
- Construction of house connections. (115 House connections)

The key components of the project are summarised in the table below.

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Distribution Network

Locations	Description	Class	Approximate length of main required
Aldayer	OD HDPE 180 pipe	PN16	4430m
Aldayer	OD HDPE 110 pipe	PN16	5346m
Aldayer	OD HDPE 63 Pipe	PN16	1500m
Aldayer	OD HDPE 32 Pipe	PN16	2300m
Aldayer	Fire Hydrants		27
Aldayer	Air Valves		7
Aldayer	Gate valves		20
Aldayer	Wash out		5
Aldayer	Pressure reduce valve		1
Aldayer	House connection		115
Aldayer	Pump station		set
Aldayer	Compound wall for PS		50m
Aldayer	5000 HDPE Tank		1
Aldayer	Pump room		18m ²