

Addendum to Technical specification of Building management system

(TB-343-558-034A REV 02)

A. REFERENCE DRAWINGS:

1. TB-0-343-316-115 Rev. 03: TRENCH LAYOUT HVDC-AGRA
2. TB-1-343-316-114 Rev. 03: 220KV TRENCH LAYOUT FOR AGRA
3. TB-1-306-316-230 Rev. 01: PANEL LAYOUT SERVICE BUILDING AGRA
4. TB-2-343-316-211A Rev. 01: PANEL LAYOUT ADD. SERVICE BUILDING AGRA (ASB3 & ASB4 SAME DRAWING)

B.

IDENTIFICATION NO. IN DRAWING TB-0-343-316-115 REV 03& TB-1-343-316-114 REV 03	BUILDING/LOCATION DESCRIPTION
1	MAIN SERVICE BUILDING (MSB)
2	ADDITIONAL SERVICE BUILDING (ASB3 & ASB4)
3	VALVE HALL (numbered from 1 to 4)
4	VENTILATION ROOM FOR VALVE HALL
5	DC HALL (numbered from 1 to 4)
6	VENTILATION ROOM FOR DC HALL
7	STATION MAIN GATE
8	PUMP HOUSE
9	TUBE WELL
10	LOCATION OF ILLUMINATION BOARDS (MLDB/ELDB)
11	CNG SET (4 Nos.)
12	AC RELAY BUILDING (ARB) & FILTER RELAY BUILDING (FRB)
13	CHILLERS FOR AC SYSTEM

C. Illumination details are as under:

Summary of Circuit required in MLDB/ELDB for BMS integration	
Outdoor MLDB	16 Circuit (outgoing)
Indoor MLDB	4 Circuit (incomer)
Outdoor ELDB	8 Circuit (outgoing)

Where MLDB is main lighting distribution board & ELDB is emergency lighting distribution board.

- D. Expansion tank is located on the roof of Main service building.
- E. NO. OF CNG SETS = 4
- F. PUMP & TANK DETAILS

DESCRIPTION OF PUMP/TANK	LOCATION
Electrical fire fighting pumps (2 Nos.)	PUMP HOUSE
Jockey pumps (2 Nos.)	PUMP HOUSE
Diesel fire fighting pumps (2 Nos.)	PUMP HOUSE
Tube well pumps (2 Nos.)	Refer tubewell location as N: 310.365m,E=110.312m In drawing TB-0-343-316-115 Rev. 03
Domestic raw water pumps (2 Nos.)	PUMP HOUSE
Fire water storage tanks (2 Nos.)	Adjacent to pump house
Treated water Transfer pumps (2 Nos.)	PUMP HOUSE
Treated water storage tank (1 NO.)	Main service building (MSB) roof
Treated water storage tank (1 NO.)	Additional service building (ASB 3) roof
Treated water storage tank (1 NO.)	Additional service building (ASB 4) roof

- G. Control room is at first floor of main service building. PI refer drawing TB-1-306-316-230 Rev. 01. BMS server will be located on operator desk.
- H. Card readers to be provided at both Entry & exit of the gate/door (Access control system).
- I. Station main gate width is 7 m wide as per TS Clause 2.2. Double leaf sliding type. Each leaf of 3.5m wide and 1.5-2.0m height. Approx. weight of each leaf will be 150kG.
- J. GI Pipe shall be used for laying of cable if un-armoured cable is used.

Note: Autocad file of reference drawing will be provided for measurements & estimation purpose to the interested bidder on request.