



# SLD FOR PROPOSED TREATMENT FACILITY FOR HA.MULHADHOO

TENDER PURPOSE

**NOTE :-**  
SINGLE LINE DIAGRAM IS INDICATIVE AND FOR REFERENCE. CONTRACTOR SHALL BE DESIGN THE SYSTEM AS PER REQUIREMENT.  
1. ALL DIMENSIONS ARE IN MM UNLESS AND OTHERWISE SPECIFIED.

**PROTECTION:-**  
OVERLOAD RELAY ,SINGLE PHASE PREVENTOR AND EARTH FAULT RELAY PROTECTION

- CIRCUIT BREAKER
- TRANSFORMER (VT-VOLTAGE TRANSFORMER)
- SINGLE LINE CURRENT TRANSFORMER

- DOL STARTER
- PHASE HEALTHY INDICATION LAMPS (R.Y.B-RED. YELLOW. BLUE.)
- STAR DELTA STARTER
- LOCAL PUSH BUTTON STATION
- VARIABLE FREQUENCY DRIVE

**INSTRUMENTATION:-**

- ASS AMMETER SELECTOR SWITCH
- A AMMETER
- VSS VOLT SELECTOR SWITCH
- V VOLTMETER
- MFM MULTI FUNCTION METER CONSISTS OF KVA,KW,KVAR A,V,POWER CTOR AND FREQUENCY METER, KVAH, KWH, KVARH WITH PORT

| No.   | DESCRIPTION | BY | DATE | APPR. |
|---|-------------|----|------|-------|
| REVISION                                    |             |    |      |       |
| CONSULTANT                                  |             |    |      |       |
| IN ASSOCIATION WITH                         |             |    |      |       |
| SHAH TECHNICAL CONSULTANTS PVT. LTD., INDIA |             |    |      |       |
| DEVELOPMENT TECHNOLOGIES MALDIVES, MALDIVES |             |    |      |       |

|   |          |                     |          |          |
|---|----------|---------------------|----------|----------|
| CLIENT<br>MINISTRY OF ENVIRONMENT AND ENERGY<br>MALE REPUBLIC OF MALDIVES   |          |                     |          |          |
| PROJECT<br>PROVISION OF RAINWATER HARVESTING SYSTEM IN 10 ISLANDS   |          |                     |          |          |
| ASSIGNMENT<br>CONSULTANCY SERVICES FOR DESIGN AND SUPERVISION OF RAINWATER HARVESTING SYSTEM IN HA. UTHREMI, HA. MULHADHOO, HA. MURADHOO, HA. ULGAMU, HA. MAABANDHOO, HA. FILLADHOO, HDH. FINNEY, HDH. KURINBI, HDH. NEYKURENDHOO, HDH. HRIMARADHOO, MALDIVES (PACKAGE - 1) |          |                     |          |          |
| DRAWING TITLE<br>SLD FOR PROPOSED TREATMENT FACILITY FOR HA.MULHADHOO   |          |                     |          |          |
| APPROVED  | SPK      | CHECKED             | SDB      | DESIGNED |
|   |          |                     | SDB      | DRAWN    |
|   |          |                     |          | JAD      |
| SCALE   | DATE     | DRAWING NUMBER      | REVISION |          |
| AS SHOWN  | FEB 2018 | Ha. Mulhadhoo/EL/01 | 0        |          |