



ELECTRICAL SINGLE LINE DIAGRAM
REVERSE OSMOSIS PLANT - GA.KOLAMAAFUSHI ISLAND

NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS EXCEPT AND OTHERWISE SPECIFIED.
2. CABLE LEGEND AS SHOWN AS DRAWING
3. ALL S/F ELECTRICAL PANELS AND GENERATOR SHALL BE PROVIDED WITH EARTHING SYSTEM
4. ALL ELECTRICAL INSTALLATIONS FOR OUTDOOR USE, SHALL BE PROTECTED FROM RAIN AND DUST
5. ALL PUMPS SHOULD BE PROVIDED WITH OWN CONTROL PANEL WITH NECESSARY PROTECTION.
6. ALL EXPOSED INSTALLATION SHOULD BE IN G.I CONDUIT OR SHADED CABLE TRAYS.
7. ALL ABOVE GROUND CONDUIT SHALL BE RIGID HOT DIP GALVANIZED EXCEPT AS NOTED.
8. ALL NEMA 3R GASKETED S.S ENCLOSURES TO HAVE LOCKABLE HANDLE AND 3 POINT LATCHING.
9. CONTRACTOR IS RESPONSIBLE TO GET THE FINAL APPROVAL FOR THE ALL THE DETAILS REGARDING SOLAR SYSTEM FROM THE CONSULTANT ENGINEER BEFORE IMPLEMENTING ON THE SITE.

LEGEND	DESCRIPTION
MCCB	MOULDED CASE CIRCUIT BREAKER
MCB	MINIATURE CIRCUIT BREAKER
ELR	EARTH LEAKAGE RELAY
ELCB	EARTH LEAKAGE CIRCUIT BREAKER
A	AMMETER
V	VOLTMETER
PF	POWER FACTOR METER
SS	SELECTOR SWITCH
PI	PHASE INDICATOR
LI	MCB LOCKABLE ISOLATOR
DOL	DIRECT ON-LINE STARTER
SA	SURGE ARRESTOR
CP	CONTROL PANEL
DB	DISTRIBUTION BOARD
DBW/P	DISTRIBUTION BOARD W/P
SPWP	STARTER PANEL WEATHERPROOF
EP	EARTH PIT
ELR	EARTH LEAKAGE RELAY

REFERENCE DRAWINGS

SL.No	DRAWING No.	DESCRIPTION

REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPRD.
0	17-09-15	DETAILED DESIGN SUBMISSION	BA	RDS	MA

REVISION

CLIENT
MINISTRY OF ENVIRONMENT & ENERGY
REPUBLIC OF MALDIVES

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PROJECT:
Design and Supervision works for provision of
Water Supply Facilities in 4 islands and
Sewerage Facilities in 5 islands - Republic of Maldives

DRAWING TITLE:
SCHEMATIC DIAGRAM FOR RO PLANT UNIT
GA.KOLAMAAFUSHI ISLAND

GA.KOLAMAAFPUSHI ISLAND					
DESIGNED	DRAWN	CHECKED	APPROVED	SCALE	DATE
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