



1. ALL DIMENSIONS ARE IN MILLIMETERS EXCEPT AND OTHERWISE SPECIFIED.
2. CABLE LEGEND AS SHOWN IN 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. EARTH ROD LOCATIONS AND EARTHING CABLE ROUTE SHOWN ARE INDICATIVE ONLY, EXACT ROUTE AND LOCATION SHALL BE DECIDED AT SITE TO SUIT SITE CONDITIONS.
10. THE ENTIRE SITE SHALL BE PROVIDED WITH 70mm<sup>2</sup> STRANDED BARE COPPER CABLE EARTHING GRID AND 2.4 METER LONG, 16mm DIA EARTH RODS AS SHOWN ON THE DRAWING.
11. THE EARTH TERMINAL INSIDE THE DISTRIBUTION BOARD SHALL BE CONNECTED THROUGH 6mm<sup>2</sup> SQ. CABLE FROM MAIN DISTRIBUTION BOARD AND CONNECTED TO MAIN EARTHING GRID.
12. THE CONNECTION POINT FROM MAIN EARTHING GRID TO BRANCH EARTHING SHALL BE WELDED BY EXOTHERMIC WELDING.

#### LEGEND:-

	W/P 70W HP SODIUM VAPOUR LAMP POST MOUNTED (6mts HT.)
	1 x 40W SURFACE MOUNTED FLUORESCENT LIGHT FITTING
	EXHAUST FAN
	WALL FAN
	D.B W/P FOR LIGHT AND SOCKET
	STARTER PANEL WEATHERPROOF
	EARTH PIT
	13A SWITCHED SOCKET OUTLET
	ISOLATOR / W.T

#### CABLE LEGEND:-

4c	10mm <sup>2</sup> SQ Armoured Cable + E
3c	2.5mm <sup>2</sup> SQ P/S/P lay in HDG tray
2c	1.5mm <sup>2</sup> SQ P/S/P lay in HDG tray
3c	2.5mm <sup>2</sup> signal layer cable
3c	1.5mm <sup>2</sup> signal layer cable

#### REFERENCE DRAWINGS

SL.No.	DRAWING No.	DESCRIPTION

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

#### REVISION

#### CLIENT

**MINISTRY OF ENVIRONMENT & ENERGY**  
REPUBLIC OF MALDIVES

#### CONSULTANT:

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#### PROJECT:

Provision of Water Supply Facilities in 04 islands and  
Sewerage Facilities in 05 islands -  
B.Thulaadhoo Island - Republic of Maldives

#### DRAWING TITLE:

**SEWAGE TREATMENT PLANT  
EARTHING LAYOUT**

DESIGNED	DRAWN	CHECKED	APPROVED	SCALE	DATE
RDS	BA	RDS	MA	1:100	17-09-'15
PROJECT No.	SHEET No.	DRAWING No.  BT-EL-111			
K-619	1 OF 1				
REV. No.	0				