



#### NOTES:-

- ALL DIMENSIONS ARE IN MILLIMETERS EXCEPT AND OTHERWISE SPECIFIED.
- CABLE LEGEND AS SHOWN IN DRAWING
- ALL S/F ELECTRICAL PANELS AND GENERATOR SHALL BE PROVIDED WITH EARTHING SYSTEM
- ALL ELECTRICAL INSTALLATIONS FOR OUTDOOR USE, SHALL BE PROTECTED FROM RAIN AND DUST
- ALL PUMPS SHOULD BE PROVIDED WITH OWN CONTROL PANEL WITH NECESSARY PROTECTION
- ALL EXPOSED INSTALLATION SHOULD BE IN G.I CONDUIT OR SHADED CABLE TRAYS.
- ALL ABOVE GROUND CONDUIT SHALL BE RIGID HOT DIP GALVANIZED EXCEPT AS NOTED.
- ALL NEMA 3R GASKETED S.S ENCLOSURES TO HAVE LOCKABLE HANDLE AND 3 POINT LATCHING.
- EARTH ROD LOCATIONS AND EARTHING CABLE ROUTE SHOWN ARE INDICATIVE ONLY. EXACT ROUTE AND LOCATION SHALL BE DECIDED AT SITE TO SUIT SITE CONDITIONS.
- 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.
- THE EARTH TERMINAL INSIDE THE DISTRIBUTION BOARD SHALL BE CONNECTED THROUGH 6mm SQ. CABLE FROM MAIN DISTRIBUTION BOARD AND CONNECTED TO MAIN EARTHING GRID.
- 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	10mmSQ Armoured Cable + E
3c	2.5mmSQ P/S/P lay in HDG tray
2c	1.5mmSQ P/S/P lay in HDG tray
3c	2.5mmSQ signal layer cable
3c	1.5mmSQ 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 -  
R.Hulhudhuffaar Island - Republic of Maldives

#### DRAWING TITLE:

**R.HULHUDHUFFAARU ISLAND  
SEWAGE TREATMENT PLANT  
ELECTRICAL LAYOUT**

DESIGNED	DRAWN	CHECKED	APPROVED	SCALE	DATE
RDS	BA	RDS	MA	1:50	17-09-'15
PROJECT No.	SHEET No.	DRAWING No.			
K-619	1 OF 1	RH-EL-110			
REV. No.	0				