



- 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 70mm² 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
3c 4.0mmSQ P/S/P lay in HDG tray
3c 10.0mmSQ P/S/P lay in HDG tray
2x3c 16.0mmSQ 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

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PROJECT:
Provision of Water Supply Facilities in 04 islands and
Sewerage Facilities in 05 islands -
GDH.Gadhdhoo Island - Republic of Maldives

DRAWING TITLE:
SEWAGE TREATMENT PLANT
ELECTRICAL LAYOUT
GDH.GADHDHOO ISLAND

DESIGNED	DRAWN	CHECKED	APPROVED	SCALE	DATE
RDS	BA	RDS	MA	1: 100	17-09-'15
PROJECT No.		SHEET No.		DRAWING No.	
K-619		1 OF 1		GG-EL-104	
REV. No.		0			