



- NOTES:-**
- ALL DIMENSIONS ARE IN MILLIMETERS EXCEPT AND OTHERWISE SPECIFIED.
  - CABLE LEGEND AS SHOWN IN DRAWING
  - ALL S/E 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:-**

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

**REVISION**

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

**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 -  
N.Velidhoo Island - Republic of Maldives

**DRAWING TITLE:**  
SEWAGE TREATMENT PLANT  
ELECTRICAL LAYOUT  
N.VELIDHOO 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	NV-EL-110			
REV. No.	0				