

SECTION-1: PROJECT BRIEF**1.1 Project Brief**

The Wave City is Housing Project Located on NH 24

- 1.1.1 Site Area : 18882 Sq.M.
1.1.2 Total No. of EWS : 576 Units
1.1.3 Total No. of LIG : 500 Units

1.2 Electrical System

S. No.	Description	EWS/LIG
1)	USS (11 KV)	1600 KVA
2)	Connection between LT Panel & USS	XLPE Cables
3)	Conduits	Internal - PVC
4)	Cable Tray	MS Painted (Ladder/ Perforated)
5)	Fault Level in Aptt. DB's (MCB)	10 KA
6)	Lightning Protection System	Wide area protection, standalone type for LIG .
7)	Earthing System	As per IS : 3043 -1987
8)	Energy Meters	Single source digital type
9)	Intercom Facility	--
10)	Cable TV System	--
11)	Emergency lighting for stairwells/ exits on UPS/ Inverter	Not considered
12)	Power Cables	XLPE, Aluminium Conductor
13)	Control Cables	Copper Conductor

S. No.	Description	EWS/LIG
14)	Cable Termination Glands	Double Compression
15)	Earthing	
a)	Transformer Neutral	Copper Plate
b)	External Lighting Poles	GI Pipes
c)	USS Body Earthing	GI Plate
16)	Electrical Switches	Modular type