

**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

<b>S. No.</b>	<b>Description</b>	<b>EWS/LIG</b>
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