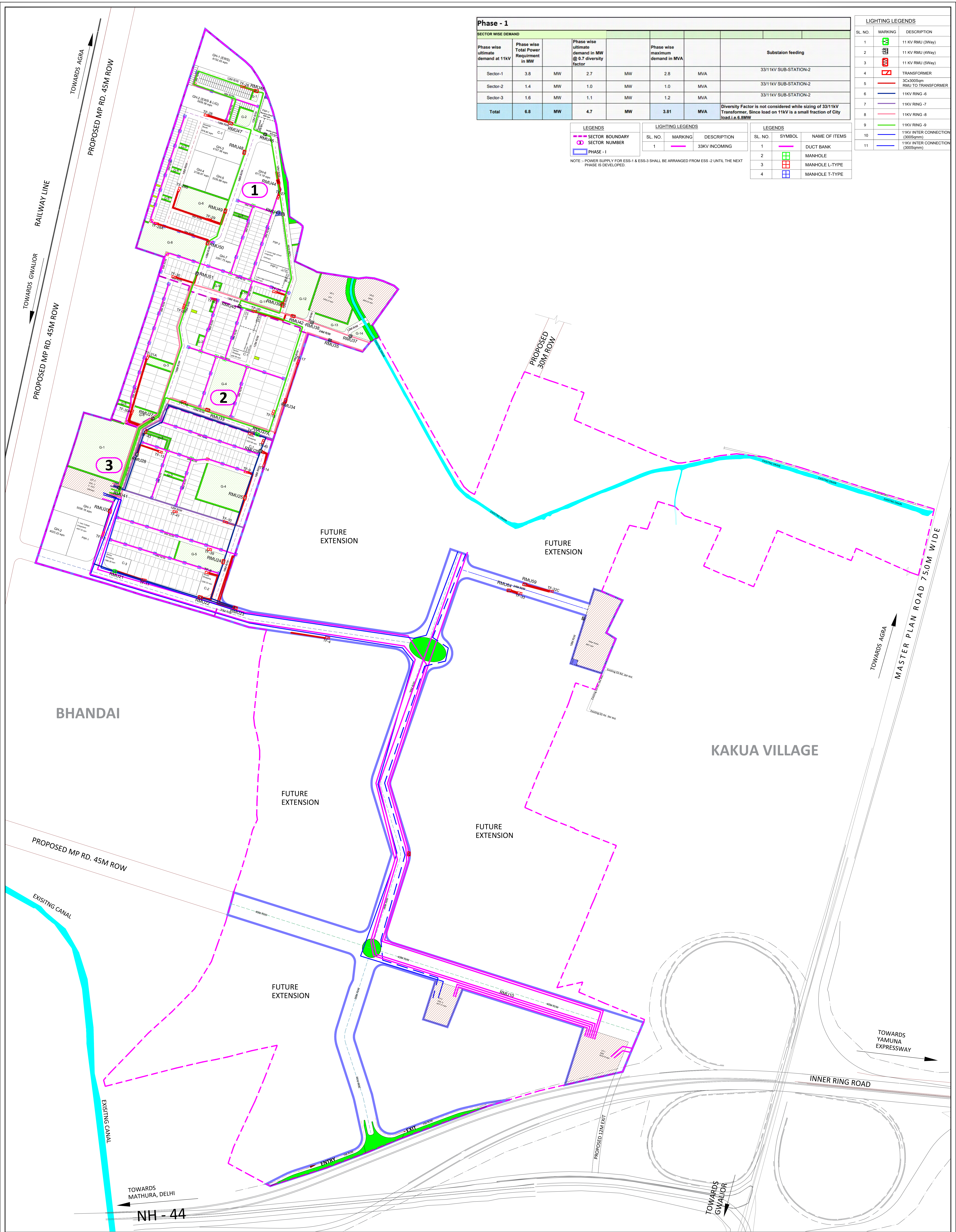




Phase - 1

SECTOR WISE DEMAND									
Phase wise ultimate demand at 11kV	Phase wise Total Power Requirement in MW		Phase wise ultimate demand in MW @ 0.7 diversity factor		Phase wise maximum demand in MVA			Substation feeding	
Sector-1	3.8	MW	2.7	MW	2.8	MVA		33/11KV SUB-STATION-2	
Sector-2	1.4	MW	1.0	MW	1.0	MVA		33/11KV SUB-STATION-2	
Sector-3	1.6	MW	1.1	MW	1.2	MVA		33/11KV SUB-STATION-2	
Total	6.8	MW	4.7	MW	3.81	MVA		Diversity Factor is not considered while sizing of 33/11KV Transformer. Since load on 11KV is a small fraction of City load, i.e 6.8MW	

LEGENDS

SECTOR BOUNDARY

SECTOR NUMBER

PHASE - I

LEGENDS

SL. NO.

MARKING

DESCRIPTION

1

33KV INCOMING

LEGENDS

SL. NO.

SYMBOL

NAME OF ITEMS

1

DUCT BANK

2

MANHOLE

3

MANHOLE L-TYPE

4

MANHOLE T-TYPE

NOTE : POWER SUPPLY FOR ESS-1 & ESS-3 SHALL BE ARRANGED FROM ESS -2 UNTIL THE NEXT PHASE IS DEVELOPED.

LIGHTING LEGENDS		
SL. NO.	MARKING	DESCRIPTION
1		11 KV RMU (3Way)
2		11 KV RMU (4Way)
3		11 KV RMU (5Way)
4		TRANSFORMER
5		3C-330Sqmm RMU TO TRANSFORMER
6		11KV RING -6
7		11KV RING -7
8		11KV RING -8
9		11KV RING -9
10		11KV INTER CONNECTION (300Sqmm)
11		11KV INTER CONNECTION (300Sqmm)

REVISION BLOCK			CLIENT :	Agra Development Authority ADA Ratan Muni Rd, Jaipur House, Jaipur House Colony, Agra, Uttar Pradesh 282010	PROJECT TITLE :	Proposed Layout Plan of Atal Puram Scheme, situated at Kakua & Bhandai Village, Gwalior Road, Agra.						
3				CONSULTANT: VOYANTS SOLUTIONS PVT. LTD.	DRAWING TITLE :	ATAL PURAM PHASE 1- POWER NETWORK			ISSUE RECORD	APPROVED FOR ISSUE		
2									Concept			
1									DPR			
0									Tender	✓		
REV.	DATE	DESCRIPTION			DRAWING NO :	VSPL/IPD/2324-066/MP/04			SHEET SIZE	R0		
									A1	Date	APR. 25	