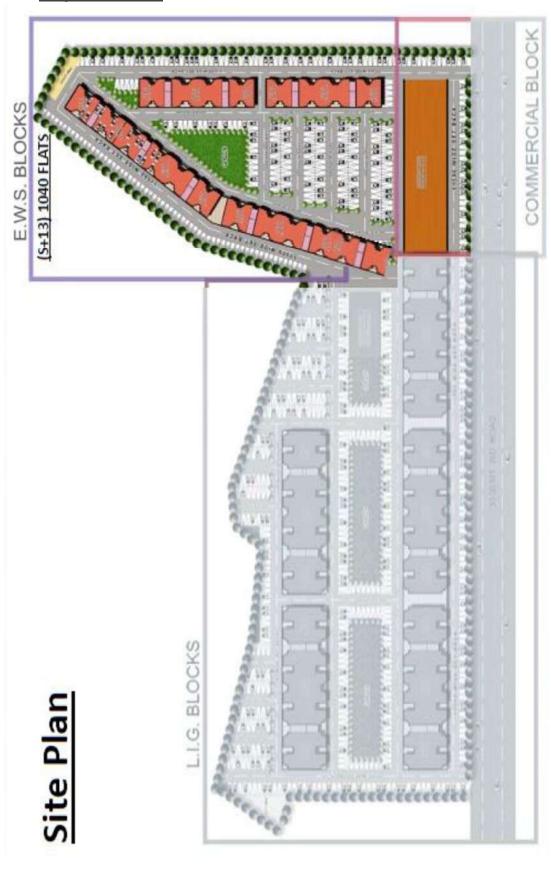
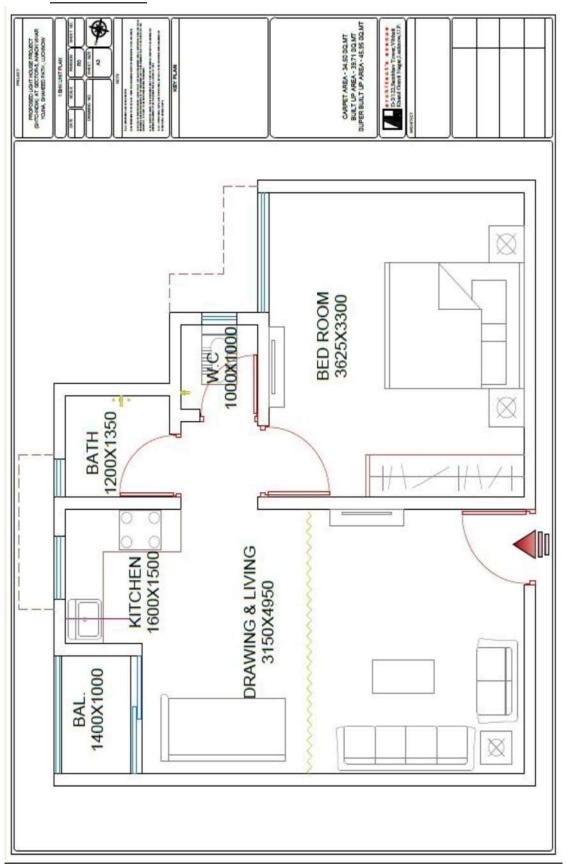


Particle Size Distribution		Site:	U.P.A.V.	P., Lucknow		NOTEL	Vo. 62	IIa E 2, Ind	ngin ustrial BORE	LOG C	Lab , M.N HART	& C .N.I.T	onsi . Alla	ultants shabad			
The state of the	=					Pa	rticle S	ize Distri	e: LIG, bution	Multi St	oreyed	Buildin	1			Bore	Hole No.: 6
0.0 1.5 8 3.0 12 Non-Plastic Silty Soil ML 0.22 6.22 90.57 2.99 12.1 1.89 1.69 2.64 Non-Plastic 0.03 24 8.0 15 7.5 18 9.0 20 10.5 22 Non-Plastic Silty Soil ML 0.96 3.68 81.87 13.49 16.6 1.94 1.66 2.64 Non-Plastic 0.17 13 12.0 19 13.0 39	Dept OPT Value	SPT Valu		Descripti	ssification					Natura Moistur Content	Natural Noisture Content Bulk Unit		c Gravity		Shear Strength		Compression Index
1.5 8 3.0 12 Non-Plastic Sitty Soil ML 0.22 6.22 90.57 2.99 12.1 1.89 1.69 2.64 Non-Plastic 0.03 21 4.5 13 6.0 15  7.5 18 9.0 20 10.5 22 Non-Plastic Sitty Soil ML 0.96 3.68 81.87 13.49 16.6 1.94 1.66 2.64 Non-Plastic 0.17 13 12.0 19 13.0 39	Heren			15	Ü	Gravel	San	d Silt	Clay	%	gm/cc	gm/cc	Specifi	L.L. P.L. P.I	L C. kg/cm²	φ <sub>e</sub> Degree	(C <sub>c</sub> )
9.0 20 10.5 22 Non-Plastic Sitty Soil ML 0.96 3.68 81.87 13.49 16.6 1.94 1.66 2.64 Non-Plastic 0.17 13 12.0 19 13.0 13.5 32	3.0 4.5	13	Non-P	natic Silty Suil	ML	0.22	6.22	90.57	2.99	12:1	1.89	1.69	2.64	Nun-Plustic	0.03	21	
15.0 39	9.0 10.5 12.0 13.0	20 22 19	Non-Pli	istic Silty Soil	ML	0.96	3.68	81.87	13.49	16.6	1,94	1.66	2.64	Non-Plastic	0.17	13	+44
16.5 39 Non-Plastic Sity Sand SM 49.50 9.59 37.44 3.47 25.4 1.99 1.59 2.62 Non-Plastic 0.03 25	15.0	39	Non-Plas	tic Silty Sand	SM	49.50	9.59	37.44	3.47	25.4	1.99	1.59	2.62	Non-Plastic	0.03	25	(See
19.5 C 150 Non-Plastic Silty Soil ML 3.22 4.94 81.11 10.73 25.7 2.14 1.70 2.64 Non-Plastic 0.15 15	19.5)=		Non-Plasi						10.73	25.7	2.14	1.70	2.64	Non-Plastic		15	

#### 2.4.4 Layout Plan

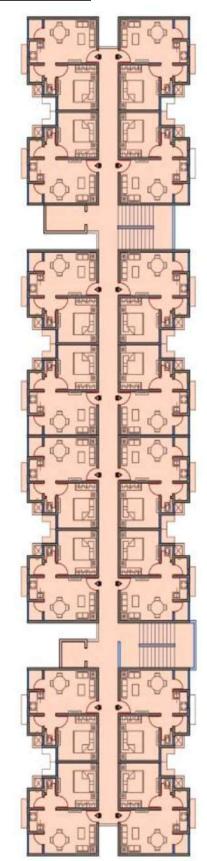


# 2.4.5 Unit Plan

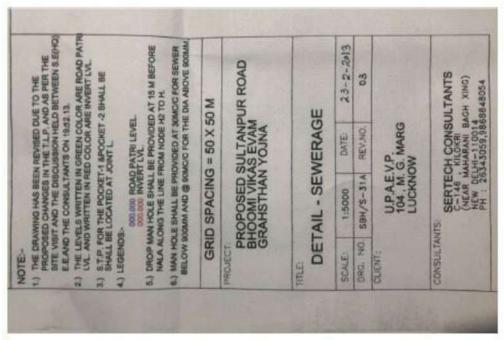


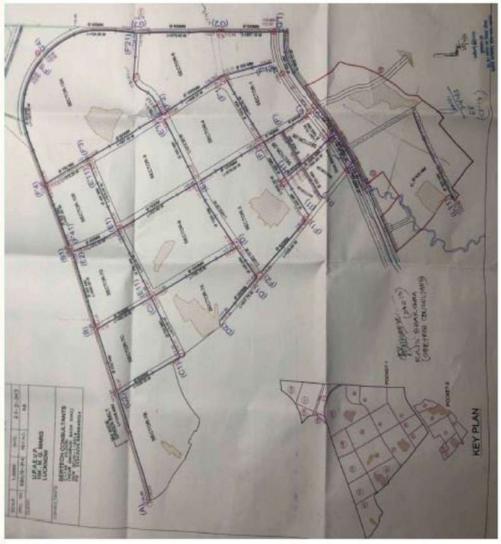
#### 2.4.6 Floor Plans

# Tower (E.W.S.) Stilt + 13 (16 units on typical floor)



#### 2.4.7 Physical Infrastructure Drawings





# 2.4.8 <u>Social Infrastructure Building Drawings</u>

### 2.5 LHP 5 Tamil Nadu

# 2.5.1 <u>Location Map</u>

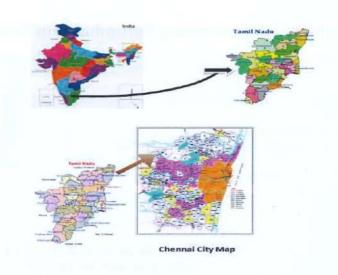


Figure 2.1 : Chennai Metropolitan Area Map

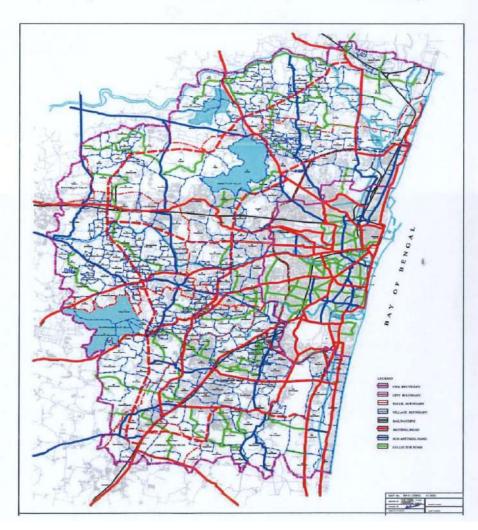


Figure 2.3 - Satellite Imagery showing Perumbakkam Scheme





#### 3.1 LOCATION OF SITE

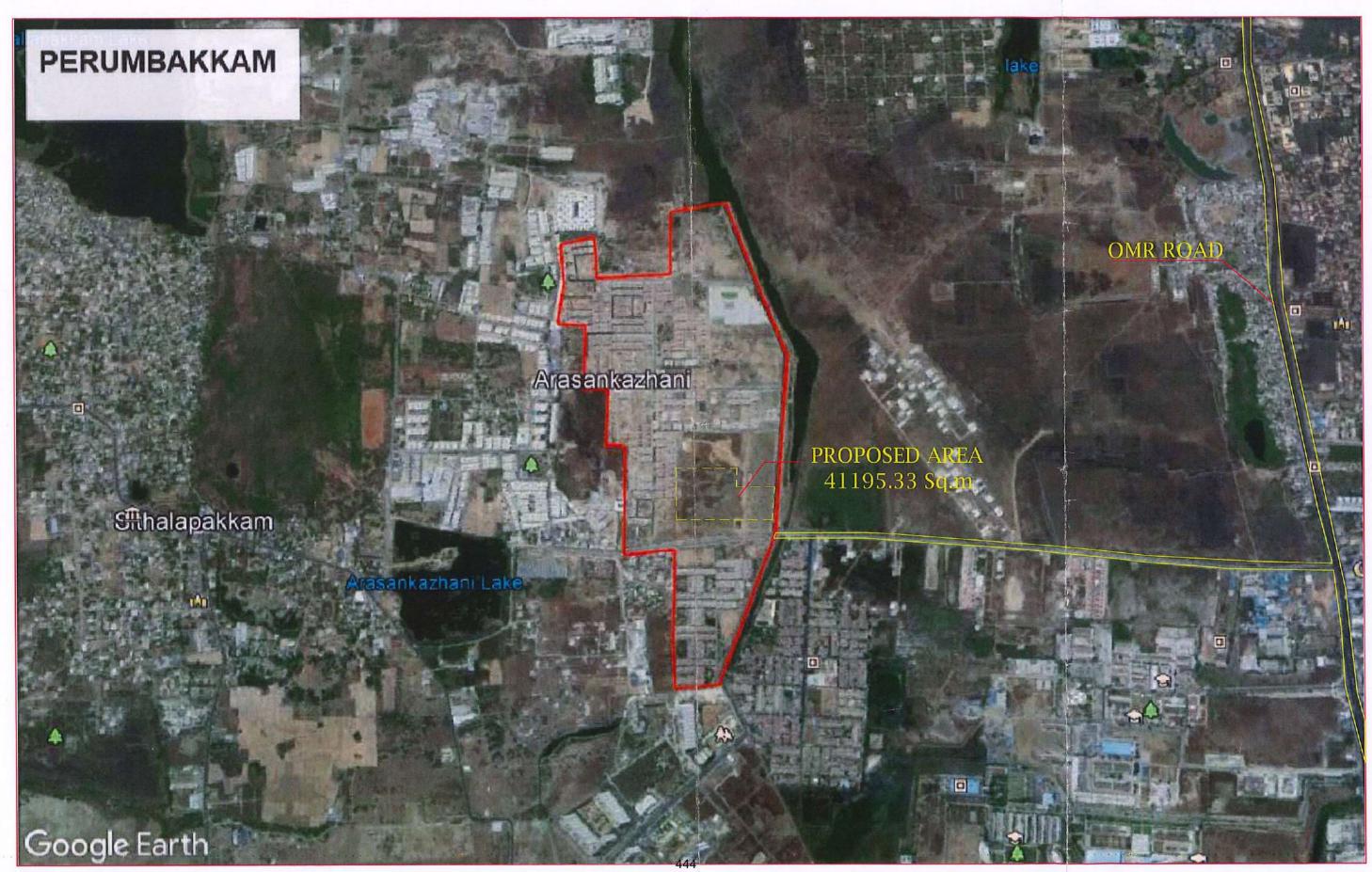
The Perumbakkam land is located in the Perumbakkam village, Sholinganallur Taluk, Kancheepuram District and adjacent to OMR – IT corridor in South Chennai.

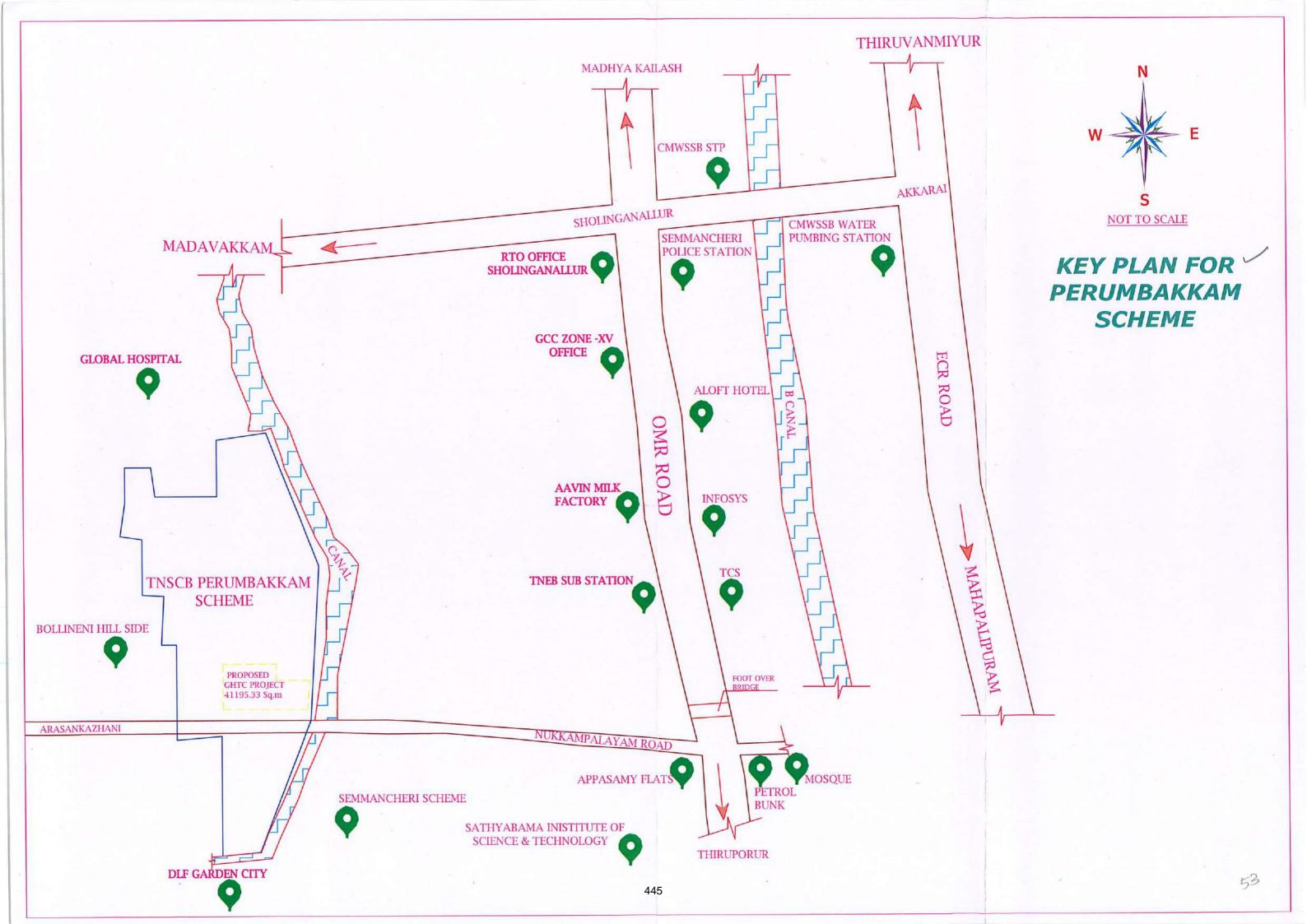
The Perumbakkam land has been alienated with an extent of 81.20 hectares (200.65 Acres) Classified as "Tharisu" in favour of Tamil Nadu Slum Clearance Board for Construction of Multi-Storied building for Tsunami affected people vide G.O.(Ms) No.346, Dt: 14.08.2014 and G.O.(Ms) No. 186, Dt: 27.04.2015.

In this land, 20376 tenements were constructed under JNNURM and this land has been developed with infrastructure facilities such as Approach Road of 18m wide, Ration shops, Milk booth, Primary health centre, Community Hall, Government Arts and Science College, Government High School, Government Primary schools, ICDS Bus terminus cum Bus depot, 100 feet Road, Water supply, Underground drainage system with treatment plant, Street lights, Burial ground, Parks, etc.

A bit of land measuring an extent of 8.5 hectares is vacant and reserved for future development and still under possession of Tamil Nadu Slum Clearance Board. In this land an extent of 4.12 hectares has been proposed for Global Housing Technology Challenge –India, GHTC. This land will be more ideal for this project, since all infrastructure facilities are already available within the proposed scheme and also it is located at a distance of 2.20Km from the OMR Road where cluster of I.T. Parks and commercial complex, shopping malls, etc are existing.

# SATELLITE IMAGE SHOWING TNSCB SCHEMES PERUMBAKKAM





# GOOGLE IMAGE SHOWING PERUMBAKKAM SCHEME FROM I.T.CORRIDOR



# 2.5.2 <u>Total Station Survey Map</u>

# SURVEY SKETCH OF THE PROPOSED SITE WITH MEASUREMENT

TAMIL NADU
SLUM CLEARANCE BOARD

GLOBAL HOUSING TECHNOLOGY CHALLENGE: NUKKAMPALAYAM ROAD, PERUMBAKKAM, CHENNAI IN S.NOS. 537, 539/1&2, 540/1, 540/2 & 541 PERUMBAKKAM VILLAGE, TAMBARAM TALUK, KANCHIPURAM DISTRICT.



