

AREA CALCULATION STATEMENT

Building Plan Sanction and Plan will be valid for two years under self certification scheme of Plan already Approved by Architect
To be recommended by Architect
Date.....

TOTAL PLOT AREA

$$= 135.0M \times 210.0M = 28350.0 \text{ SQ.M}$$

$$\text{MAX. PERM. G. COV. AREA} = 60\% \text{ OF PLOT AREA.}$$

$$17010.0 \text{ SQ.MT.}$$

GROUND FLOOR COVD. AREA

(1) ADMIN BUILDING

$$(1A) 14.390M \times 21.525M = 309.744 \text{ SQ.M}$$

$$(1B) 2.620M \times 9.250M = 24.235 \text{ SQ.M}$$

$$(2) \text{ MAIN BUILDING}$$

$$(2A) 18.77M \times 6.06M = 113.746 \text{ SQ.M.}$$

$$(2B) (14.915M \times 13.640M) + (5.0M \times 0.75M) = 207.190 \text{ SQ.M.}$$

$$(2C) 78.04M \times 30.23M = 2359.14 \text{ SQ.M.}$$

$$(2D) 6.06M \times 12.77M + 2.60M \times 0.75M = 79.336 \text{ SQ.M.}$$

$$(2E) 6.21M \times 6.23M = 38.688 \text{ SQ.M.}$$

$$(2F) 13.52M \times 6.21M = 83.959 \text{ SQ.M.}$$

$$(2G) 10.48M \times 3.37M = 35.317 \text{ SQ.M.}$$

$$(2H) 5.40M \times 3.37M = 18.198 \text{ SQ.M.}$$

$$(2J) 25.75M \times 1.10M = 28.325 \text{ SQ.M.}$$

$$(2K) 31.83M \times 1.10M = 35.013 \text{ SQ.M.}$$

$$(2L) (29.0M \times 1.10M) = 31.9 \text{ SQ.M.}$$

$$(2M) (30.04M \times 1.10M) + (5.56M \times 1.37M) + (5.17M \times 1.20M) = 46.865 \text{ SQ.M.}$$

$$(33.044 + 7.617 + 6.204M) = 46.865 \text{ SQ.M.}$$

$$(2N) 1.2M \times 0.75M = 0.90 \text{ SQ.M.}$$

$$(2P) 2.6M \times 1.05M = 2.73 \text{ SQ.M.}$$

$$(2Q) 2.56M \times 1.10M = 2.816 \text{ SQ.M.}$$

$$(3) \text{ UTILITY BLOCK & TRAY CLEANING}$$

$$(3A) 29.50M \times 26.50M = 781.75 \text{ SQ.M}$$

$$(4) \text{ COVD. CORRIDORS}$$

$$(4A) 8.25M \times 6.28M = 51.81 \text{ SQ.M}$$

$$(5) \text{ PRESSURE DYE CASTING}$$

$$5A) 92.14M \times 31.50M = 2902.41 \text{ SQ.M}$$

$$5B) 14.45M \times 6.00M = 86.70 \text{ SQ.M}$$

$$5C) 3.00M \times 14.45M = 43.35 \text{ SQ.M}$$

$$5D) 3.75M \times 7.50M \times 4 = 1.125 \text{ SQ.M}$$

$$(6) \text{ CANTEEN}$$

$$(6A) 27.725M \times 17.46M = 484.078 \text{ SQ.M}$$

$$(6B) 9.535M \times 1.60M = 15.256 \text{ SQ.M}$$

$$(7) \text{ SECURITY ROOM}$$

$$(7A) 3.0M \times 3.0M = 9.0 \text{ SQ.M}$$

$$(8) \text{ METER ROOM}$$

$$(8A) 3.0M \times 3.0M = 9.0 \text{ SQ.M}$$

$$(9) \text{ PUMP ROOM MUMTY}$$

$$(9A) 1.71M \times 8.50M = 14.535 \text{ SQ.M}$$

$$(10) \text{ SCRAP YARD}$$

$$(10A) 5.00M \times 20.00M = 100.00 \text{ SQ.M}$$

$$\text{G.F. COVD AREA} = 7917.116 \text{ SQ.M}$$

$$\text{OPEN AREA} = 20432.884 \text{ SQ.M}$$

$$\text{GROUND COVERAGE} = \frac{7917.116 \times 100}{28350} \text{ SQ.M} = 27.926 \%$$

$$28350$$

FIRST FLOOR COVD. AREA

(1) ADMIN BUILDING

$$(1H) 21.525M \times 14.390M = 309.744 \text{ SQ.M}$$

(2) MAIN BUILDING (MUMTY)

$$(2A) (6.29M \times 11.96M) + (1.05M \times 2.6) - \text{Less } (2.5M \times 2.5M) = 77.958 - 6.25 = 71.70 \text{ SQ.M}$$

$$(75.228 + 2.73) - 7.038$$

$$77.958 - 6.25 = 71.70 \text{ SQ.M}$$

$$(2D) (6.29M \times 12.77M) + (0.75M \times 2.6) - (2.5M \times 2.5M) = 80.323 + 1.95 - 6.25 = 76.02 \text{ SQ.M}$$

$$82.273 - 6.25 = 76.02 \text{ SQ.M}$$

$$(2E) (5.46M \times 6.23M) + (0.75M \times 2.43M) + 34.01 + 1.822 = 35.832 \text{ SQ.M}$$

$$(2F) (5.46M \times 6.03M) + (0.75M \times 2.43M) = 32.923 + 1.822 = 34.745 \text{ SQ.M}$$

$$(6) \text{ CANTEEN}$$

$$(6A) 27.725M \times 17.46M = 484.078 \text{ SQ.M}$$

$$\text{FIRST FLOOR COVD. AREA} = 1012.119 \text{ SQ.M}$$

$$(1) \text{ MAIN BUILDING (MUMTY)}$$

$$(2H) 5.40M \times 7.460M = 40.284 \text{ SQ.M}$$

$$(5) \text{ CANTEEN (MUMTY)}$$

$$(6C) 2.00M \times .90M \times 2 = 3.60 \text{ SQ.M}$$

$$(6D) 3.765M \times 6.68M = 25.15 \text{ SQ.M}$$

$$\text{TOTAL} = 69.034 \text{ SQ.M}$$

$$\text{TOTAL COVERAGE}$$

$$\text{G.F. COVD. AREA} + \text{F.F. COVD. AREA} + \text{CANTEEN MUMTY}$$

$$= 7917.116 + 1012.119 + 69.034 = 8998.269 \text{ SQ.M.}$$

$$\text{TOTAL F.A.R} = \frac{8998.269 \times 100}{28350} \text{ SQ.M} = 31.739 \%$$

$$\text{NET PROPOSED COVERED AREA} = 8998.269 \text{ SQ.M. (31.739 \%)}$$

$$\text{PERMISSIBLE COVERED AREA (125\%)} = 35437.5 \text{ SQ.M.}$$

$$\text{BALANCE AREA} = 35437.5 - 8998.269 \text{ SQ.M.} = 26439.231 \text{ SQ.M.}$$

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PARKING AREA CALCULATION

S.NO.	NAME	DESCRIPTION	
1		TOTAL COVERED AREA	8998.269 SQ.M.
		PARKING AREA REQUIRED $8998.269 / 80 \times 9$	1012.305 SQM
2		PROVIDED	
P1		SPACE FOR GENERAL PARKING $= 42.80 \times 6.15m$	= 263.22 SQMT.
P2		SPACE FOR GENERAL PARKING $= 58.25 \times 12.90m$	= 751.425 SQMT.
		TOTAL PARKING AREA	= 1014.645 SQ.MT.

CALCULATION FOR RAINWATER HARVESTING RECHARGE WELL

DESCRIPTION	AREA	UNITS
TOTAL COVERED AREA	8998.269	SQ.MT.
CAPACITY OF RECHARGE WELLS REQUIRED		
a) FOR 1st 225.0SQM COVD AREA	20.00	CUMT.
b) FOR BALANCE $8998.269 - 225.0 = 8773.269$ SQM. COVD AREA @ 5.0CU.M PER 50.00 SQM	877.00	CUMT.
	877.00	CUMT.
RECHARGE WELLS PROVIDED:-		
RECHARGE WELL OF SIZE = $14.0M \times 7.0 \times 3.0M$	3	NOS.
TOTAL VOLUME OF RECHARGE WELL $14.0M \times 7.00 M \times 3.0 M \times 3 NOS.=$	882.00	CUMT.
NOTE :- BOUNDARY WALL HEIGHT-1800MM AND WIDTH 230MM		

CLIENT

M/S UCAL FUEL SYSTEMS LTD

TITLE OF DRG.
SITE PLAN & AREA
CALCULATION

DLT. BY
Deepak

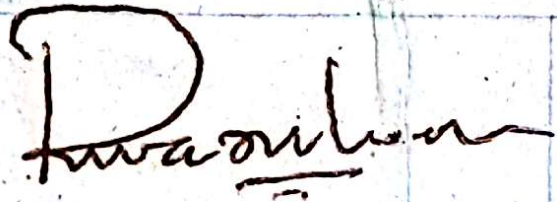
DATE
20-SEP-2010

M.R. WARERKAR & ASSOCIATES (P) LTD.

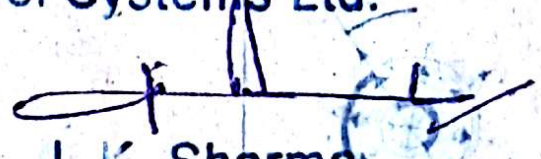
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"VILLAGE ATELIER" D-210, SHAHPUR JAT
NEW DELHI 110016 PHONE 26499451, 26496223

CKD. BY
P.M.W


For Ucal Fuel Systems Ltd.

PARAG M. WARERKAR
ARCHITECTS SIGN
CHARTERED ARCHITECT
CA NO. 85/5911


J. K. Sharma
D.G.M.
APPLICANTS SIGN

JOB No.

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DRG. No.

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REV. No.

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