

SPECIFICATION

- (1) FOUNDATION :- R.C.C PILE FOUNDATION.
- (2) SUPER STRUCTURE :- 1st CLASS BRICK WORK IN CEMENT MORTAR 1:5.
- (3) FLOORING :- .025 TH I. P. S FLOORING OVER .15 DRY RAMMED KHOA OVER . ONE LAYER BRICK FLAT SOLING . OVER LOCAL SAND FILLING.
- (4) R.C.C. WORK :- SLAB, LINTEL, STAIR, BEAM & CHAJJA IN 1:1-1/2 : 3 WITH PROPER REIN FOR CEMENT.
- (5) TERRACING :- .10TH AVERAGE LIME TERRACING OVER .10 TH R.C.C. ROOF SLAB
- (6) PLASTER :- .012 TH CEMENT PLASTER ON BOTH SIDE WALL & .006 CEMENT PLASTER ON CEILING.
- (7) DRAIN :- 18 CM WIDE & 30 CM DEEP PUCCA DRAIN ROUND IN THE BUILDING.
- (8) COLOUR :- AS PER CHOICE.

SCHEDULE OF DOORS & WINDOWS

TYPE	WIDTH	HEIGHT	SILL LEV.	LIN. LEV.	REMARK
D	1.52	2.13	0.00	2.13	FULLY PANILLED DOORS
D1	1.00	2.13	0.00	2.13	DO
D2	0.78	2.13	0.00	2.13	DO
W I N D O W S					
W	1.52	1.37	0.78	2.13	FULLY GLAZED WINDOW
W1	0.91	1.22	1.07	2.13	DO
W2	0.81	1.22	0.91	2.13	DO

AREA CALCULATION(BLOCK-A & B)

TOTAL PLOT AREA (AS/DEED)-----	1452.33 Sqm.
TOTAL PLOT AREA (AS/POSSESSION)-----	1438.98 Sqm.
TOTAL LAND LEFT FOR ROAD WIDENING -----	15.00 Sqm.
TOTAL NET PLOT AREA -----	1423.98 Sqm.
BASEMENT FLOOR B/U AREA(BLK- A&B)-----	12.72 Sqm.
BLOCK - A	
GROUND FLOOR B/U AREA -----	334.14 Sqm.
FIRST FLOOR B/U AREA -----	562.29 Sqm.
SECOND FLOOR B/U AREA -----	562.29 Sqm.
THIRD FLOOR B/U AREA -----	562.29 Sqm.
FOURTH FLOOR B/U AREA -----	562.29 Sqm.
BLOCK - B	
GROUND FLOOR B/U AREA -----	173.66 Sqm.
FIRST FLOOR B/U AREA -----	185.41 Sqm.
SECOND FLOOR B/U AREA -----	185.41 Sqm.
THIRD FLOOR B/U AREA -----	185.41 Sqm.
FOURTH FLOOR B/U AREA -----	185.41 Sqm.
TOTAL B/U AREA (BLOCK-A &B) -----	3511.32 Sqm.
F.A.R. = 2.47	

PARKING CALCULATION(BLOCK-A&B)

TOTAL B/U AREA = 3511.32 Sqm.
 PARKING AREA REQUIRED (AS/TABLE NO-19, S.No-3)@ 25% = 877.83Sqm.
 CAR PARKING AREA PROVIDED AT COVERED
 BASEMENT FLOOR = (750.23) - (Bsmt. flr. B/U Area)
 = 750.23 - 12.72 = 737.51 Sqm
 CAR PARKING AREA PROVIDED AT COVERED
 GROUND FLOOR = 165.25 Sqm.
 TOTAL PARKING AREA PROVIDED
 = 737.51 + 165.25 = 902.76Sqm.

PROJECT :-

PROPOSED BUILDING FOR M/S - **RAJ CONSTRUCTION PARTNER** -
 SRI RAJESH KUMAR, S/O - SRI RAJENDRA SINGH
 OFFICE- NEW CHITRAGUPT NAGAR, PARVATI PATH ,
 P.S- PATRAKAR NAGAR, Dist.- PATNA.

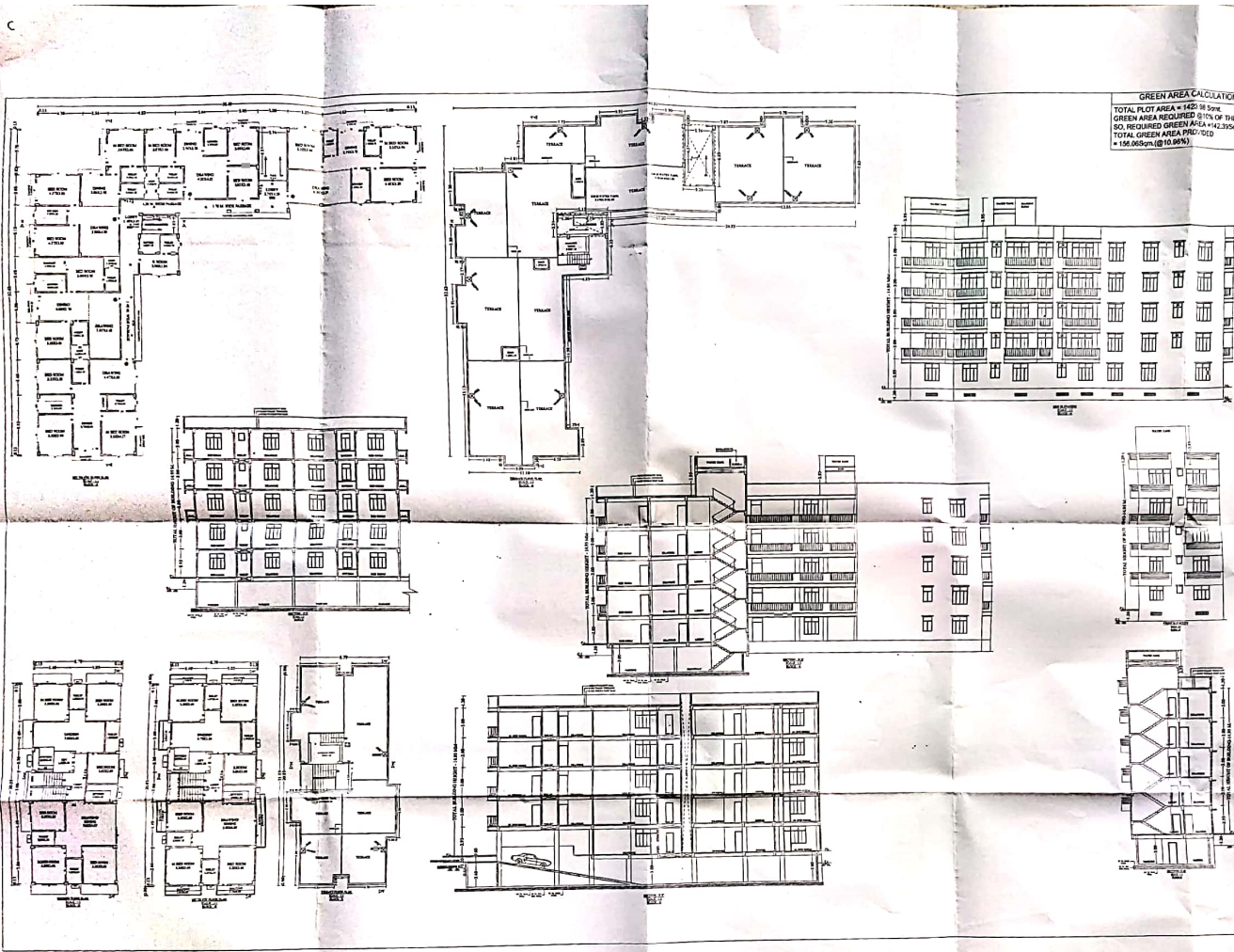
S.PLOT NO.- 696(P), KHATA NO - 31, TAUZI NO - 227,
 MAUZA - SADIKPUR YOGI, THANA NO - 09,
 WARD NO - 34, P.S- PATRAKAR NAGAR, PATNA



Rajesh Kumar


Er. Pankaj Kr. Karn
 (Engineer)
 EMP No.-ER/10/2018
 PATNA MUNICIPAL CORPORATION

SIGNATURE OF ARCH/ENG.



GREEN AREA CALCULATION
 TOTAL PLOT AREA = 1422.38 SQ.M
 GREEN AREA REQUIRED = 5% OF THE PLOT
 SQ. REQUIRED GREEN AREA = 71.12 SQ.M
 TOTAL GREEN AREA PROVIDED
 = 156.96 SQ.M (61.10 PERCENT)

SITE CONFIGURATION
 1. TOTAL PLOT AREA = 1422.38 SQ.M
 2. GREEN AREA REQUIRED = 71.12 SQ.M
 3. TOTAL GREEN AREA PROVIDED = 156.96 SQ.M
 4. PERCENTAGE OF GREEN AREA PROVIDED = 61.10 PERCENT

AREA LEGEND

1. AREA ENCLOSED BY THE TANK	100%
2. AREA ENCLOSED BY THE ROAD	100%
3. AREA ENCLOSED BY THE FENCE	100%
4. AREA ENCLOSED BY THE WALL	100%
5. AREA ENCLOSED BY THE CURB	100%
6. AREA ENCLOSED BY THE DRIVEWAY	100%
7. AREA ENCLOSED BY THE STAIR	100%
8. AREA ENCLOSED BY THE ELEVATOR	100%
9. AREA ENCLOSED BY THE LIFT	100%
10. AREA ENCLOSED BY THE ESCAPE ROUTE	100%
11. AREA ENCLOSED BY THE FIRE FIGHTING	100%
12. AREA ENCLOSED BY THE OTHER	100%

RAIN WATER HARVESTING CALCULATION
 TOTAL TERRACE AREA = 747.12 SQ.M
 REQUIRED PPT CAPACITY (45 LITR FOR 1000P)
 = 747.12 x 45 = 33620.4 LITR
 REQUIRED PPT SIZE PROVIDED
 = 4 SQ.M (45000 LITR) x 48 SQ.M

WATER TANK CALCULATION (BLOCK A & B)
 TOTAL NO. OF FLOOR ABOVE G.F. = 8
 AREA OF TERRACE PER FLOOR = 304.56 SQ.M
 TOTAL AREA OF TERRACE = 2436.48 SQ.M
 AREA OF 1000 LITR WATER TANK APPROXIMATELY
 = 4 SQ.M (45000 LITR) x 48 SQ.M
 TOTAL NO. OF WATER TANK PROVIDED
 = 2436.48 / 45000 = 0.054144
 NO. OF TANKS = 0.054144 x 48 = 2.60

SEPTIC TANK CALCULATION (BLOCK A & B)
 TOTAL NO. OF FLOOR ABOVE G.F. = 8
 AREA OF TERRACE PER FLOOR = 304.56 SQ.M
 TOTAL AREA OF TERRACE = 2436.48 SQ.M
 AREA OF 1000 LITR SEPTIC TANK APPROXIMATELY
 = 4 SQ.M (45000 LITR) x 48 SQ.M
 TOTAL NO. OF SEPTIC TANK PROVIDED
 = 2436.48 / 45000 = 0.054144
 NO. OF TANKS = 0.054144 x 48 = 2.60

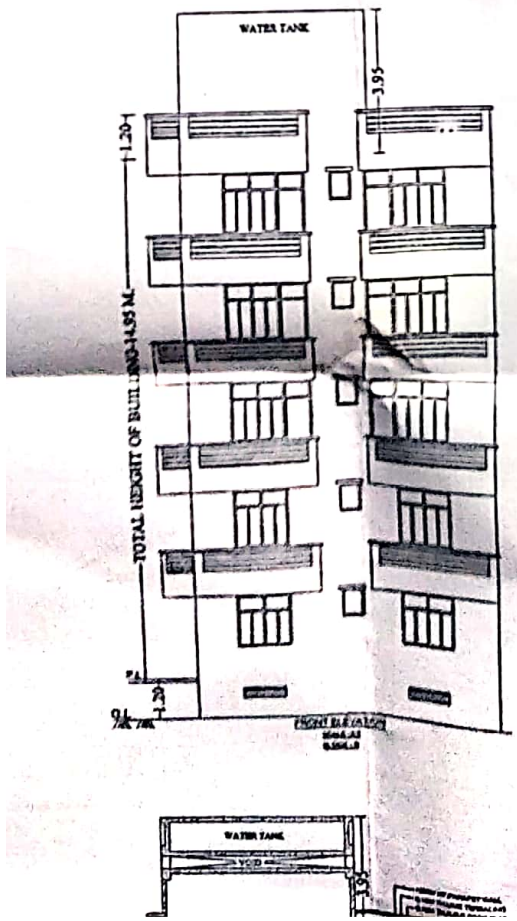
PROJECT:
 PROJECT NAME: ...
 PROJECT LOCATION: ...
 PROJECT OWNER: ...
 PROJECT DATE: ...

PREPARED BY:
 NAME: ...
 DESIGNATION: ...
 DATE: ...

APPROVED BY:
 NAME: ...
 DESIGNATION: ...
 DATE: ...

GREEN AREA CALCULATION

TOTAL PLOT AREA = 1423.98 Sqmt.
 GREEN AREA REQUIRED @10% OF THE PLOT
 SO, REQUIRED GREEN AREA = 142.39Sqm.
 TOTAL GREEN AREA PROVIDED
 = 156.06Sqm.(@10.96%)



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 - (3) FLOORING :- 025 TH 1:3 P.S FLOORING OVER .15 DRY RAISED KHOA OVER ONE LAYER BRICK FLAT SOLING OVER LOCAL SAND FILLING.
 - (4) R.C.C. WORK :- SLAB, LINTEL, STAIR, BEAM & CHAJJA IN 1:1.1/2 : 3 WITH PROPER REIN FOR CEMENT.
 - (5) TERRACING :- 10TH AVERAGE LIME TERRACING OVER .10 TH R.C.C. ROOF SLAB
 - (6) PLASTER :- 012 TH CEMENT PLASTER ON BOTH SIDE WALL & 008 CEMENT PLASTER ON CEILING.
 - (7) DRAIN :- 18 CM WIDE & 10 CM DEEP PUGCA DRAIN ROUND IN THE BUILDING.
 - (8) COLOUR :- AS PER CHOICE.

:- FIRE LEGEND :-

1.	UNDER GROUND WATER TANK OF 50,000 LTRS. CAP.	50,000 LTRS.
2.	FIRE RESISTANCE DOOR	FD
3.	FIRE HYDRANT SYSTEM	H
4.	HOSE REEL	H
5.	MANUAL CALL ALARM POINT	⊙
6.	FIRE EXTINGUISHER CO2 TYPE	→
7.	ILLUMINATED EXIT DIRECTIONAL SIGN	EXIT
8.	SEAMESE CONNECTION	⊕
9.	EMERGENCY LIGHTING SYSTEM	⊙
10.	FIRE SPRINKLER	⊙
11.	SMOKE DETECTOR	AS
12.	O.H WATER TANK FOR FIRE FIGHTING	20,000 LTRS.

RAIN WATER HARVESTING CALCULATION .

TOTAL TERRACE AREA = 747.70 M²
 RECHARGE PIT CAPACITY @ 6MP FOR 100MP
 SO, 747.70 M² REQUIRED RECHARGE PIT AREA
 = 7.47 X 6 = 44.82M²
 RECHARGE PIT SIZE PROVIDED
 = 4.00X2.00X3.00X2 = 48.00M³

WATER TANK CALCULATION (BLOCK-A & B)

TOTAL NOS. OF FLAT (BLOCK - A & B) = 23+10 = 33
 ASSUME 5 PERSON/FLAT REQ. 33X5 = 165
 TOTAL NOS. OF PERSON = 165
 ADD 20% EXTRA = 198
 ASSUME 135 Ltr. WATER CONSUMPTION/PER/DAY
 = 198 X 135 + 20,000Ltr (FOR FIRE FIGHTING)
 = 46730 Ltr. = 46.73 Cum.
 TOTAL SIZE OF WATER TANK PROVIDED
 01.) 3.25 x 6.03 x 1.00 = 19.59 Cum.
 02.) 5.17 x 2.34 x 1.00 = 12.09 Cum.
 03.) 5.31 x 3.25 x 1.00 = 17.25 Cum.
 TOTAL = 48.93 Cum.

SEPTIC TANK CALCULATION (BLOCK-A & B)

TOTAL NOS. OF FLAT (BLOCK - A & B) = 23+10 = 33
 ASSUME 5 PERSON/FLAT REQ. 33X5 = 165
 TOTAL NOS. OF PERSON = 165
 ADD 20% EXTRA = 198
 CAPACITY OF SEPTIC TANK FOR 198 PERSON
 @ 0.085M / PERSON /DAY
 = 198 X 0.085 = 16.83 Cum.
 TOTAL SIZE OF SEPTIC TANK PROVIDED
 = 4.00 x 2.00 x 2.50 = 20.00 Cum.

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