

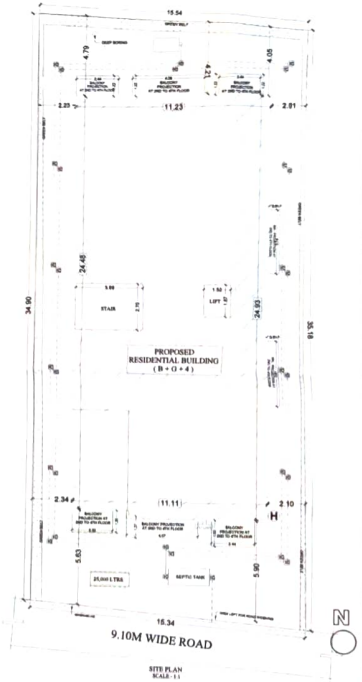



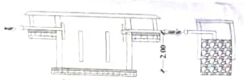

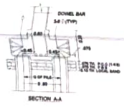

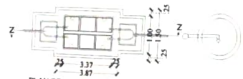

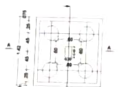







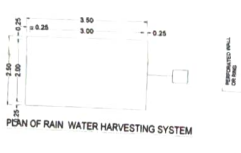

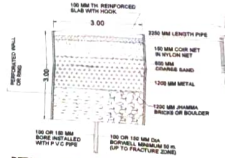

WATER TANK CALCULATION

NOS. OF FLAT = 9
ASSUME 5PERSON / FLAT REQ = 9X5 = 45
TOTAL NOS. OF PERSON = 45
ADD 20% EXTRA = 54 PERSON
ASSUME 135 LTR WATER CONSUMPTION/PER/DAY
= 54 X 135 = 7290 + 5,000LTR (FOR FIRE FIGHTING)
= 12.29CUM
TOTAL WATER TANK SIZE REQUIRED = 12.29 CUM.
TOTAL WATER TANK PROVIDED
= 4 9TK3 47X1.00 = 13.27 Cum.

RAIN WATER HARVESTING CALCULATION

TOTAL TERRACE AREA = 287.73SQM
RECHARGE PIT CAPACITY @ 6 CUM FOR 100 SQM.
SO..2.87 SQM. REQUIRED RECHARGE PIT AREA
= 2.87 X 6 = 17.22CUM
RECHARGE PIT SIZE PROVIDED
= 3.00X2.00X3.00 = 18.00 CUM

GREEN AREA CALCULATION

TOTAL PLOT AREA = 541.01SQM.
RECHARGE PIT CAPACITY @ 5% OF THE PLOT
SO.REQUIRED GREEN AREA
= 27.05SQM
TOTAL GREEN AREA PROVIDED
= 32.13SQM

SPECIFICATION

(1) FOUNDATION : R C C PILE FOUNDATION.
(2) SUPER STRUCTURE : 1ST CLASS BRICK WORK IN CEMENT MORTAR 1:6
(3) FLOORING : (GR.TO 1, 2, 3, 4) FLOORING OVER 10 CM1 REINFORCED HAUNCH OVER ONE LAYER 6MM FLAT ROLLING OVER LOCAL SAND FILLING.
(4) R. C. C. WORK : SLAB, LINTEL, STAIR, BEAMS & CHAJJA IN 1 : 1.5 : 3 NATH PROPER RATIO FOR CEMENT
(5) TERRACING : WITH AVERAGE LIME TERRACING OVER 10 THK C. C. ROOF SLAB
(6) PLASTER : (1) 7 TH CEMENT PLASTER ON BOTH SIDE WALL & (2) 6MM CEMENT PLASTER ON CEILING
(7) DRAIN : 10 CM WIDE & 8 CM DEEP PUCCA DRAIN ROUND IN THE BUILDING
(8) COLOUR : AS PER CHOICE

SEPTIC TANK CALCULATION

NOS. OF FLAT = 9
ASSUME 5PERSON / FLAT REQ. 9X5 = 45
TOTAL NOS. OF PERSON = 45
ADD 20% EXTRA = 54 PERSON
CAPACITY OF SEPTIC TANK FOR 54 PERSON
@ 0.085M / PERSON/ DAY
54 X 0.085 = 4.59 CUM
TOTAL SIZE OF SEPTIC TANK REQUIRED
= 4.59 CUM
TOTAL SIZE OF SEPTIC TANK PROVIDED
= (3.37-0.37) X 1.00 X 2.00 = 6.00 CUM

-: FIRE LEGEND :-

1.	UNDER GROUND WATER TANK OF 25,000 LTRS CAP.	25,000 LTRS
2.	FIRE RESISTANCE DOOR	FD
3.	FIRE HYDRANT SYSTEM	
4.	HOSE REEL	
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	A S A
12.	OVER HEAD WATER TANK	5,000 LTRS
13.	G.I.DOWN COMER SYSTEM	H

SCHEDULE OF DOORS & WINDOWS

TYPE	WIDTH	HEIGHT	SILL LEV.	LIN. LEV	REMARK
D	1.20	2.10	0.00	2.13	FULLYPANELLEDDOORS
D1	1.00	2.10	0.00	2.13	DO
D2	0.90	2.10	0.00	2.13	DO
D3	0.75	2.10	0.00	2.13	DO
		W I N D O W S			
W	1.90	1.35	0.75	2.13	FULLY GLAZED WINDOW
W1	1.50	1.35	0.75	2.13	DO
W2	1.20	1.35	0.75	2.13	DO
W3	0.90	1.35/1.05	0.75/1.05	2.13	DO
W4	0.60	0.75	1.35	2.13	DO

AREA CALCULATION

TOTAL PLOT AREA (AS/DEED) ——— 541.20 Sqm.
TOTAL PLOT AREA (AS/POSESSION) ——— 541.01 Sqm.

BASEMENT FLOOR B/U AREA ——— 10.16 Sqm.
GROUND FLOOR B/U AREA ——— 136.65 Sqm.
FIRST FLOOR B/U AREA ——— 274.21 Sqm.
SECOND FLOOR B/U AREA ——— 287.73 Sqm.
THIRD FLOOR B/U AREA ——— 287.73 Sqm.
FOURTH FLOOR B/U AREA ——— 287.73 Sqm.
TOTAL B/U AREA ——— 1286.21 Sqm.

F.A.R. = 2.38

PARKING CALCULATION

TOTAL B/U AREA = 1286.21 Sqm.
DEDUCTION OF ACTUAL SERVICE AREA
=1286.21 - 118.80 = 1167.81Sqm.
PARKING AREA REQUIRED
(AS/Modified Bldg Bye laws 2022)@ 25% = 291.96 Sqm.
TOTAL PARKING REQUIRED
= 291.96SQM.
PARKING AREA PROVIDED AT COV. GROUND FLOOR = 117.08sqm
BASEMENT FLOOR =267.59SQM
SO,TOTAL PARKING AREA PROVIDED
= 384.64 Sqm.

PROJECT:-

PROPOSED RESIDENTIAL BUILDING FOR
1). SRI ANIL KUMAR SINHA
2). SRI SUNIL KUMAR SINHA
3). SRI SUDHIR KUMAR SINHA
4). SRI SANJAY KUMAR SINHA
ALL S/O- LATE KANDHJI SAHAY
MIG PLOT NO - M-38/18
C.S PLOT NO - 917(P),915(P) KHATA NO - 118
THANA NO - 04
MAUZA - DIJRA
THANA - BUDDHA COLONY , PATNA

Er. Pankaj Kr. Karn (Engineer)
EMP No.-ER/10/2018
PATNA MUNICIPAL CORPORATIONA
SIGNATURE OF ARCH/ENG.

Er. Pratik Kr. Karn, (Structural Engineer)
EMP No.-SF/03/2018
PATNA MUNICIPAL CORPORATION

SIGNATURE OF OWNER.

SIGNATURE OF STR./ENG.

PATNA MUNICIPAL CORPORATION
PATNA REGIONAL DEVELOPMENT AUTHORITY (DISSOLVED)
Case No. ULDTRA/PRN-10164/566/2022

Sanction of Plan Accorded under Section 315, 316 & 317 of the Bihar Municipal Act 2007 by the Municipal Commissioner, Patna on.....
Date 05/08/2022

SANCTION OF PLAN ACCORDED

निदेशक
शहरी योजना
पटना नगर निगम, पटना

10/02/2023
शंभु कुमार
प्रधान प्ररूपक
शहरी योजना
पटना नगर निगम

14/02/2023

Terms & Conditions:-

1) STP of requisite capacity is to be installed in the campus by the Builder/Owner
2) Water Harvesting and Green area is to be maintained in the premises
3) Solar power is to be installed in the campus

बिल्डर/प्रोमोटर/भू–स्वामी/संबंधित वास्तुविद/अभियंता को निर्देश दिया जाता है कि भवन के निर्माण तथा उपयोग में लाने के पूर्व आवासीय/व्यवसायिक कम्पलेक्स में सूरक्षा की दृष्टि से, प्रवेश द्वार निकास द्वार, सीढ़ी, लिफ्ट, पार्किंग प्रत्येक फ्लोर, गेट के बाहर की ओर लोकेशन के साथ तथा अन्य वांछित महत्वपूर्ण स्थानों पर उच्च मानक के C.C.T.V. कैमरा का अधिष्ठापन करेंगे अन्यथा संबंधित एक्ट एवं बाईलॉज के सुसंगत धाराओं के तहत् कारवाई किया जायेगा।

01/01