

WATER TANK CALCULATION:-

Total Block - (B,C & D) NON L.I.G. & EWS (+) L.I.G. & EWS.
Block - B
 Total No. Of Flat = 56
 Each Flat Having 5 Person
 Total No. Of Person = 56 x 5 = 280 Person
 Per Person Req. Area = 135 Ltrs/Day
 Total Req. Area Of Water Tank = 280 x 135 = 37800.00 Ltrs/Day
 Fire Water Tank = 25000.00 Ltrs/Day
 Total Provide Water Tank Capacity = 62800.00 Ltrs/Day
Block - C
 Total No. Of Flat = 59
 Each Flat Having 5 Person
 Total No. Of Person = 59 x 5 = 295 Person
 Per Person Req. Area = 135 Ltrs/Day
 Total Req. Area Of Water Tank = 295 x 135 = 39825.00 Ltrs/Day
 Fire Water Tank = 25000.00 Ltrs/Day
 Total Provide Water Tank Capacity = 64825.00 Ltrs/Day
Block - D
 Total No. Of Flat = 76 Nos
 Each Flat Having 5 Person
 Total No. Of Person = 76 x 5 = 380 Person
 Per Person Req. Area = 135 Ltrs/Day
 Total Req. Area Of Water Tank = 380 x 135 = 51300.00 Ltrs/Day
 Fire Water Tank = 25000.00 Ltrs/Day
 Total Provide Water Tank Capacity = 76300.00 Ltrs/Day
Amenities Area
 TOTAL BU AREA / 2 = CARPAT AREA = 1652.99 / 2 = 826.49 sqm
 TOTAL CARPAT AREA = 826.49 sqm
 EACH PERSON HAVING 6 sqm PER PERSON
 CARPAT AREA = 826.49 / 6 = 137.74 PERSON
 TOTAL NO. OF PERSON = 138.00 PERSON
 TOTAL REQ. AREA OF WATER TANK CAPACITY
 45 LTR / PERSON / DAY WATER TANK = 138 x 45 = 6210.00 Ltrs
 All Block Water Tank Capacity
 Total Req. Water Tank Capacity Block - (B+C+D+Amenities) =
 (62800+64825+76300+6210) = 210135.00 say Ltrs/Day
 Total Provide Water Tank Cap City Block - (B+C+D+Amenities) =
 (70500+70500+81000) = 222000.00 say Ltrs/Day

EMERGENCY EVACUATION ASSEMBLY AREA CALCULATION :-

Convenience Shop
Amenities Area
 TOTAL BU AREA / 2 = CARPAT AREA = 1652.99 / 2 = 826.49 sqm
 TOTAL CARPAT AREA = 826.49 sqm
 EACH PERSON HAVING 6 sqm PER PERSON
 CARPAT AREA = 826.49 / 6 = 137.74 PERSON
 TOTAL NO. OF PERSON = 138.00 PERSON
 ALL Block-B,C & D NO OF FLAT = 191 NOS
 EACH FLAT HAVING 5 PERSON
 TOTAL NO OF PERSON = 191 x 5 = 955 PERSON
 TOTAL NOS OF PERSON IN RESIDENTIAL = 955 Person
 NOS OF PERSON IN COMMERCIAL = 179 Person
 ASSUMING OCCUPANCY 80% OF RESIDENTIAL PERSON
 = 955 x 80% = 764 Person
 ASSUMING OCCUPANCY 60% OF COMMERCIAL
 = 138 x 60% = 83 Person
 SO TOTAL NO OF PERSON = 764+83 = 847 Person
 AREA REQ. FOR ONE PERSON TO STAND = 0.36 sqm
 AREA REQ. FOR 847 Person = 847 x 0.36 = 304.92 sqm
 SO AREA AS PROVIDED IS DISTRIBUTED IN PARTS
 TOTAL EMERGENCY EVACUATION ASSEMBLY AREA
 PROVIDED = 310.50 sqm

PARKING CALCULATION:-

All Block - B,C & D
 CAR PARKING FOR = 25%
 CROSS CAR PARKING = 15073.07 x 25% = 3768.26 sq.m.
 TOTAL REQUIRED CAR PARKING AREA = 3768.26 sq.m.
 Total Basement Floor Parking Area = 4445.45 sqm
 Ground Parking Area Block - (B & C) = (266.26+266.26) = 532.52 sqm
 Ground Parking Area Block - (D) = 97.08 sqm
 All Floor Parking Area = (4445.45+532.52+97.08) = 5075.05 sqm
 Total Parking Area = 5075.05 sqm
 L.I.G. & EWS ONE BIKE FOR EACH FLAT - 48

FIRE LEGEND :-

01. HYDRANT OUT LET VALVE WET
02. HOSE REEL
03. SEMAC CONNECTED FOR FIRE
04. BRIGADE CONNECTED TO WET RISER
05. ELECTRICALLY INSULATED METAL STRIP
06. O.H.W. TANK FOR FIRE FIGHTING
07. INDICATOR PANEL
08. FIRE ALARM CALL POINT
09. AUDIBLE ALARM CALL POINT
10. LOUDSPEAKER OUTLET
11. CO2 FIRE EXTINGUISHER
12. FIRE RESISTANT DOOR
13. AUTOMATIC SMOKE DETECTOR
14. AUTOMATIC SPRINKLER INSTALLATION

AREA CALCULATION :-

BLOCK - B		
FLOOR	NON L.I.G. & EWS	L.I.G. & EWS
BASEMENT FLOOR	25.50 sq.m	
GROUND FLOOR	92.88 sq.m	
FIRST FLOOR	741.59 sq.m	
SECOND FLOOR	741.59 sq.m	
THIRD FLOOR	741.59 sq.m	
FOURTH FLOOR	741.59 sq.m	
FIFTH FLOOR	741.59 sq.m	
SIXTH FLOOR	741.59 sq.m	
SEVENTH FLOOR	741.59 sq.m	
TOTAL FLOOR	5309.51 sq.m	
BLOCK - (B) BU/UP Area (NON L.I.G. & EWS) = 5309.51 sq.m		
BLOCK - (B) BU/UP Area (L.I.G. & EWS) = 400.00 sq.m		
BLOCK - C		
FLOOR	NON L.I.G. & EWS	L.I.G. & EWS
BASEMENT FLOOR	25.50 sq.m	
GROUND FLOOR	361.27 sq.m	
FIRST FLOOR	741.59 sq.m	
SECOND FLOOR	741.59 sq.m	
THIRD FLOOR	741.59 sq.m	
FOURTH FLOOR	741.59 sq.m	
FIFTH FLOOR	741.59 sq.m	
SIXTH FLOOR	741.59 sq.m	
SEVENTH FLOOR	741.59 sq.m	
TOTAL FLOOR	5577.90 sq.m	
BLOCK - (C) BU/UP Area (NON L.I.G. & EWS) = 5577.90 sq.m		
BLOCK - (C) BU/UP Area (L.I.G. & EWS) = 100.00 sq.m		
BLOCK - D		
FLOOR	NON L.I.G. & EWS	L.I.G. & EWS
BASEMENT FLOOR	23.04 sq.m	
GROUND FLOOR	93.43 sq.m	330.58 sq.m
FIRST FLOOR	361.81 sq.m	335.58 sq.m
SECOND FLOOR	361.81 sq.m	335.58 sq.m
THIRD FLOOR	361.81 sq.m	335.58 sq.m
FOURTH FLOOR	361.81 sq.m	335.58 sq.m
FIFTH FLOOR	361.81 sq.m	335.58 sq.m
SIXTH FLOOR	361.81 sq.m	335.58 sq.m
SEVENTH FLOOR	361.81 sq.m	335.58 sq.m
TOTAL FLOOR	2649.14 sq.m	2679.64 sq.m
BLOCK - (D) BU/UP Area (NON L.I.G. & EWS) = 2532.87 sq.m		
BLOCK - (D) BU/UP Area (L.I.G. & EWS) = 2675.64 sq.m		

Total Plot Area As/Deed = 6834.40 Sq. M.
 Total Plot Area As/Deed = 6834.40 Sq. M.
 Total BU Area Including Extra (NON L.I.G. & EWS) = 15073.07 sq.m
 TOTAL BLOCK - B BU/UP AREA = 5309.51 sq.m
 TOTAL BLOCK - C BU/UP AREA = 5577.90 sq.m
 TOTAL BLOCK - D BU/UP AREA = 2649.14 sq.m
 Amenities BU/UP Area = 1652.99 sq.m
 TOTAL BLOCK - (B,C & D) BU/UP AREA = 15833.62 sq.m
 F.A.R. = 2.50
 Plot Area = 6834.40 sq.m
 Amenities Area = 1652.99 sq.m
 Ground Floor BU/UP Area = 1652.99 sq.m
 Total BU/UP Area = 1652.99 sq.m
 Parking Area = 5075.05 sq.m
 Total Basement Floor Parking Area = 4445.45 sq.m
 Ground Parking Area Block - (B & C) = (266.26+266.26) = 532.52 sq.m
 Ground Parking Area Block - (D) = 97.08 sq.m
 All Floor Parking Area = (4445.45+532.52+97.08) = 5075.05 sq.m
 L.I.G. & EWS Floor Area = 400.00 sq.m
 TOTAL BU AREA All Block (NON L.I.G. & EWS) = 15073.07 sq.m
 REQUIRED 15% OF BU AREA L.I.G. & EWS = 2260.96 sq.m
 PROVIDE BU AREA FOR L.I.G. & EWS UNIT = 2675.64 sq.m
 WHICH IS 17.75% OF TOTAL BU AREA
 L.I.G. Floor Area Block - (D)
 GROUND FLOOR BU/UP AREA = 336.83 sq.m
 1ST TO 7TH FLOOR BU/UP AREA = 243.70 x 7 = 1705.90 sq.m
 Total L.I.G. BU/UP AREA = 1944.73 sq.m
 EWS Floor Area Block - (D)
 GROUND FLOOR BU/UP AREA = 87.75 sq.m
 1ST TO 7TH FLOOR BU/UP AREA = 643.16 x 7 = 4502.12 sq.m
 TOTAL EWS BU/UP AREA = 730.91 sq.m
 BLOCK - D ALL BLOCK
 TOTAL NO. OF EWS FLAT = 16
 TOTAL NO. OF L.I.G. FLAT = 32
 TOTAL NON L.I.G. & EWS = 56
 TOTAL FLAT = 96
 ALL BLOCK - B,C & D FLAT = 191

Green Area Calculation :-

Total Net Plot Area = 6834.40 sq.m.
 Green Space Area %Reqd = 6834.40 x 10% = 683.44 sq.m
 Total Provide Green Space = 1059.14 sq.m

Developer Address:-

M/S Sai Shree Baljesh Homes Pvt. Ltd.
 A Company Registered Under The Companies Act, 1956 And Having
 Its Registration No. U45001BR2013 PTC021179 And Registered Office At
 Chandanpur, Madhwa Gali, Patna City, Patna - 800008, P.S. Chauri,
 District - Patna, Present Office At 201 Verma Kanyas House,
 S. P. Verma Road, Patna - 800008, P.S. Kanyas, District Patna,
 Through Its Managing Director Mr. Rajesh Kumar Choudhary,
 S/O Shri Satyanshu Choudhary, Resident Of Mohalla Chandanpur,
 Madhwa-Gali, Patna City, Patna 800008, P.S. Chauri, District Patna.

Plot Detail :-

Proposed Residential Building Of
 01. Sri Vijay Kumar Yadav, S/O Late Santal Yadav Ur/Wal Prasad Yadav.
 02. Sri Anand Kumar Singh, S/O Late Santal Yadav Ur/W.P. Yadav.
 03. Sri Raj Kumar Rajan, S/O Late Santal Yadav Ur/W.P. Yadav.
 04. Sri Bhadeshwar Nath Kapoor, S/O Rama Singh Kapoor.
 05. Sri Rajesh Kumar Choudhary, S/O Shri Satyanshu Choudhary.
 06. Sri Anup Poddar, S/O Sri Raj Kumar Poddar.
 07. Sri Abhishek Kumar Yadav, S/O Sri Anand Kumar Yadav.
 08. Sri Lalit Kumar Yadav, S/O Sri Mohan Prasad Yadav.
 09. Sri Manoj Kumar Yadav, S/O Late Santal Yadav Ur/W.P. Yadav.
 10. Sri Shyamababu Yadav, S/O Late Mohan Prasad Yadav.
 Patna - Simsimanapur, N.H. 31 Bypass Road, South Side,
 Thana - Mahalsani, Patna City District - Patna.
 Thana No - 38, Khata No - 89, Khata No - 1579 & 1580 Part, 1574/1575

Septic Tank Calculation:-

Total Block - (B,C & D) NON L.I.G. & EWS (+) L.I.G. & EWS.
Block - B
 Total No. Of Flat = 56
 Each Flat Having 5 Person
 Total No. Of Person = 56 x 5 = 280 Person
 Per Person Req. Area = 0.085 qb m/Day
 Total Req. Area Of Septic Tank = 280 x 0.085 = 23.80 qb m/Day
 Total Req. Area Of Septic Tank = 23.80 qb m/Day
Block - C
 Total No. Of Flat = 59
 Each Flat Having 5 Person
 Total No. Of Person = 59 x 5 = 295 Person
 Per Person Req. Area = 0.085 qb m/Day
 Total Req. Area Of Septic Tank = 295 x 0.085 = 25.07 qb m/Day
 Total Req. Area Of Septic Tank = 25.07 qb m/Day
Block - D
 Total No. Of Flat = 76 Nos
 Each Flat Having 5 Person
 Total No. Of Person = 76 x 5 = 380 Person
 Per Person Req. Area = 0.085 qb m/Day
 Total Req. Area Of Septic Tank = 310 x 0.085 = 32.30 qb m/Day
 Total Req. Area Of Septic Tank = 32.30 qb m/Day
Amenities Area
 TOTAL BU AREA / 2 = CARPAT AREA = 1652.99 / 2 = 826.49 sqm
 TOTAL CARPAT AREA = 826.49 sqm
 EACH PERSON HAVING 6 sqm PER PERSON
 CARPAT AREA = 826.49 / 6 = 137.74 PERSON
 TOTAL NO. OF PERSON = 138.00 PERSON
 PER PERSON REQ. AREA = 0.085 qb m/Day
 TOTAL REQ. AREA OF SEPTIC TANK = 138 x 0.085 = 11.73 qb m/Day
 Total Req. Septic Tank Area = 11.73 qb m/Day
 All Block Septic Tank Capacity
 All Block Req. Area Of Septic Tank Block - (B+C+D+Amenities) =
 (23.80+25.07+32.30+11.73) = 92.90 qb m/Day
 All Block Provide Size Of Septic Tank Block - (B+C+D+Amenities) =
 017.00 x 2.50 x 3.00 = 52.50 qb m/Day
 027.00 x 2.50 x 3.00 = 52.50 qb m/Day
 Total Provide Septic Tank Capacity = 105.00 qb m/Day

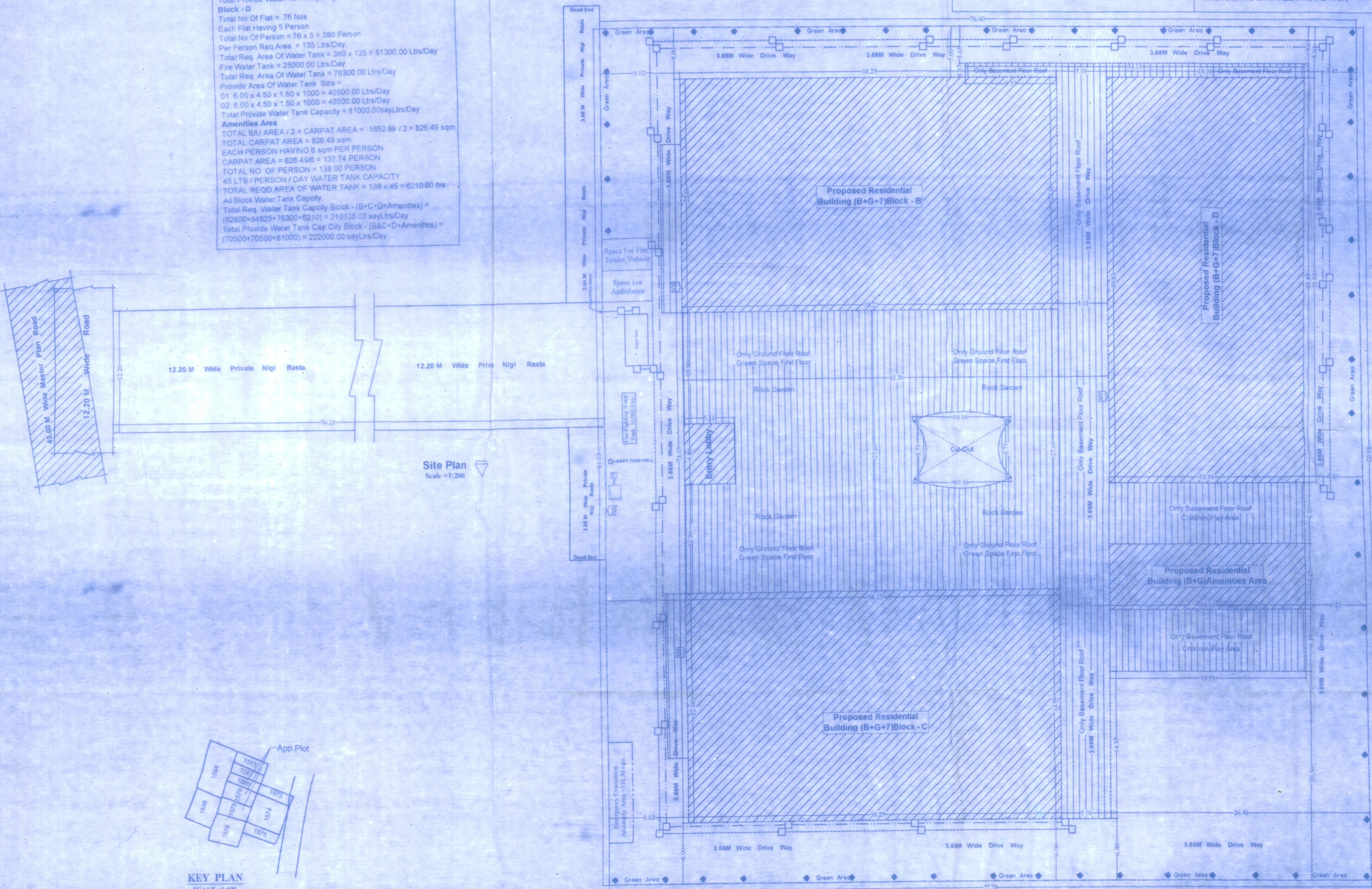
Water Harvesting Sump Calculation :-

Block - B,C & D
 BLOCK - B & C Terrace Floor MAX. Area = 743.59 x 2 = 1487.18 sqm
 BLOCK - D Terrace Floor MAX. Area = 699.39 sqm
 Amenities BU/UP Area = 1652.99 sq.m
 All Block FLOOR MAX. AREA = 3839.56 sq.m
 RAIN WATER HARVESTING SUMP REQ. 6 CUM FOR
 EVERY 100 SQM. TERRACE AREA. SO TOTAL
 REQ. CAPACITY OF SUMP = 38.39 x 6 = 230.34 CUM.
 PROVIDED TANK SIZE = 6.00 x 4.00 x 5.00 = 120.00 cum
 & TRENCH VOLUME = 0.60m Deep & 0.45 m wide = 120.00 cum
 TOTAL VOLUME OF SUMP = 120 + 120 = 240.00 CUM

Patna Metropolitan Area Authority
 Sanction of Plan case no. 1580/PAT/2013/1574/1575
 dated 24.10.2013

Development Control Regulations for Patna
 Master Plan 2031 (Byelaws no 8(4) of Bihar Building
 Byelaws 2014) vide notification no 831/832
 dated 28.10.2016 on Date 03.01.2017

बिहार भू-सम्पदा (विनियमन विकास)
 नियामक, 2017 की शर्तों के अधीन
 राज्य में गठित विनियमन प्राधिकरण
 से इस परियोजना का निवेदन
 अनिवार्य होगा।



KEY PLAN
 SCALE = 1:1000