



## BLOCK - 'A'

TOTAL NOS. OF FLAT = 12

ASSUMING 5 PERSONS PER FLAT  $12 \times 5 = 60$  PERSONS

ADD 20% EXTRA = 72 PERSONS

@ 135 LITERS / PERSONS / DAY =  $72 \times 135 = 9720$  LITERS

5000 LITERS CAPACITY FOR FIRE FIGHTING

TOTAL WATER TANK SIZE REQUIRED

= 14720 = 14.72 LITERS

## BLOCK - 'B'

TOTAL NOS. OF FLAT = 16

ASSUMING 5 PERSONS PER FLAT  $16 \times 5 = 80$  PERSONS

ADD 20% EXTRA = 96 PERSONS

@ 135 LITERS / PERSONS / DAY =  $96 \times 135 = 12960$  LITERS

5000 LITERS CAPACITY FOR FIRE FIGHTING

REQUIREMENT OF WATER TANK FOR 17960 LITERS

TOTAL WATER TANK SIZE REQUIRED

= 17960 = 17.96 LITERS

TOTAL WATER TANK SIZE REQUIRED (BLOCK-A & B)

=  $14.72 + 17.96 = 32.68$  CUM

SIZE OF OVER HEAD WATER TANK PROVIDED

1).  $5.56 \times 3.25 \times 1.00 = 18.07$  CUM (BLOCK-A)

3).  $5.23 \times 3.25 \times 1.00 = 16.99$  CUM (BLOCK-B)

TOTAL SIZE OF WATER TANK PROVIDED

=  $18.07 + 16.99 = 35.06$  CUM.

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## WATER HARVESTING CALCULATION

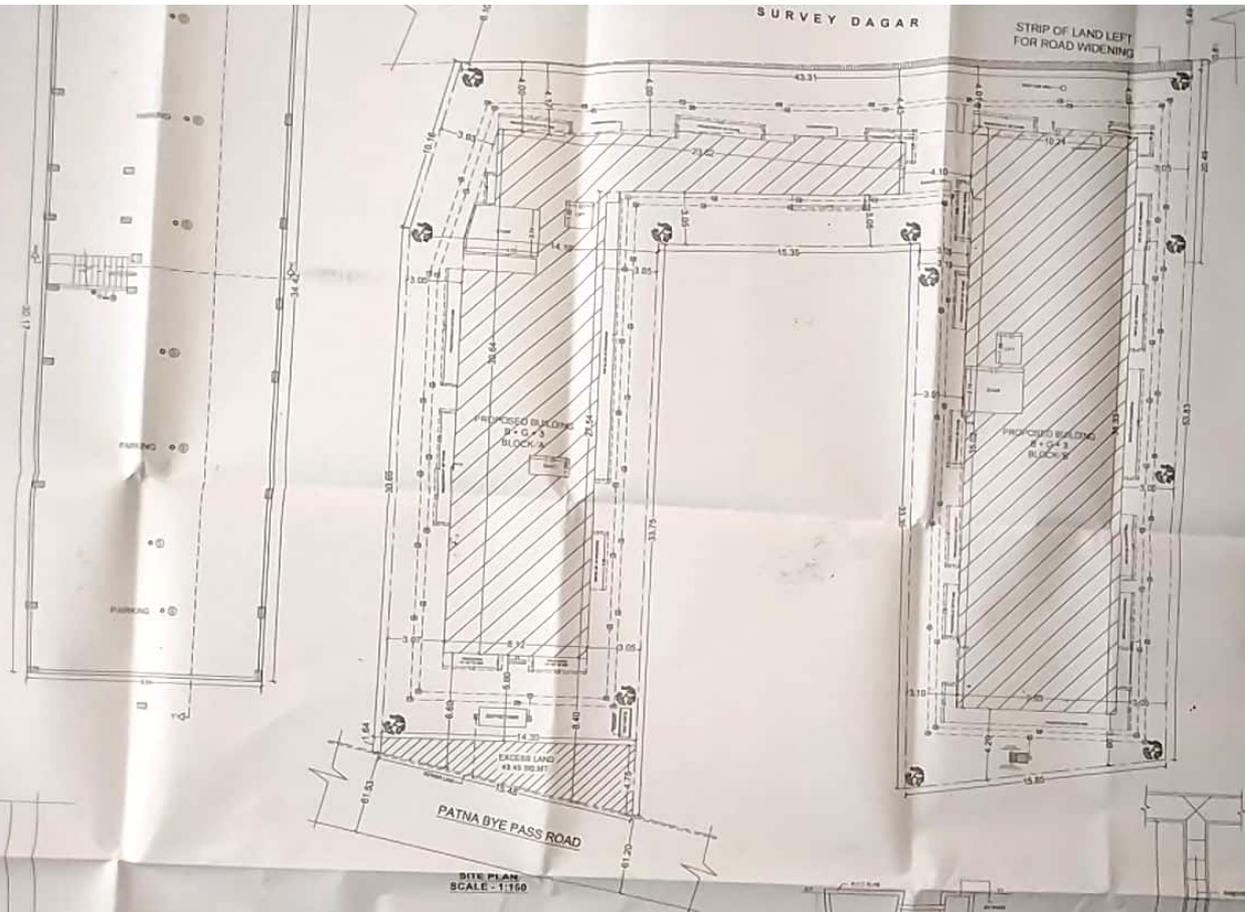
TOTAL PLOT AREA = 1524.63 SQ.MT.

100 SQ.MT. FOR 6 CUM. AREA REQUIRED

$1524.63/100 = 15.24 \times 6 = 91.44$  REQ.

RECHARGE PIT SIZE PROVIDED

=  $5.00 \times 3.00 \times 4.00 = 60.00 \times 2 = 120$  CUM.



**AREA CALCULATION**

TOTAL PLOT AREA = 10000 SQ.MT.

TOTAL AREA OF ROAD BOUNDRIES = 10000 SQ.MT.

TOTAL NET PLOT AREA = 10000 SQ.MT.

**BLOCK - 'A'**

TOTAL BASEMENT FLOOR BUILT UP AREA = 10000 SQ.MT.

TOTAL FIRST FLOOR BUILT UP AREA = 10000 SQ.MT.

TOTAL SECOND FLOOR BUILT UP AREA = 10000 SQ.MT.

TOTAL THIRD FLOOR BUILT UP AREA = 10000 SQ.MT.

TOTAL FLOOR BUILT UP AREA = 10000 SQ.MT.

**BLOCK - 'B'**

TOTAL BASEMENT FLOOR BUILT UP AREA = 10000 SQ.MT.

TOTAL FIRST FLOOR BUILT UP AREA = 10000 SQ.MT.

TOTAL SECOND FLOOR BUILT UP AREA = 10000 SQ.MT.

TOTAL THIRD FLOOR BUILT UP AREA = 10000 SQ.MT.

TOTAL FLOOR BUILT UP AREA = 10000 SQ.MT.

TOTAL FLOOR BUILT UP AREA BLOCK 'A & B' = 10000 + 10000 = 20000 SQ.MT.

F.A.R. = 1.47

**PARKING CALCULATION (BLOCK - A & B)**

TOTAL B.U. AREA = 20000 SQ.MT.

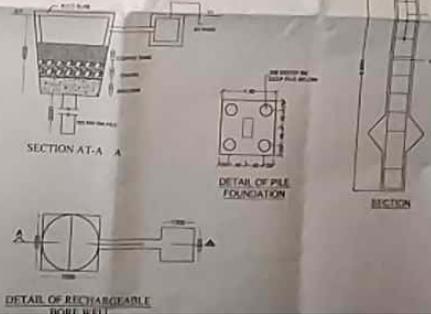
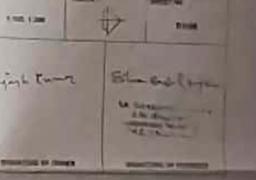
PARKING AREA REQUIRED (AS PER TABLE NO-18 S.No-3) 20% = 4000 SQ.MT.

CAR PARKING AREA PROVIDED AT COVERED BASEMENT FLOOR (BLOCK 'A' & 'B') = (883.12) - (BASEMENT FLOOR BUILT UP AREA) = 883.12 - 5.20 = 877.92 SQ.MT.

SO TOTAL PARKING AREA PROVIDED (B.U. AREA) = 877.92 SQ.MT.

**PROPOSED RESIDENTIAL APARTMENT OF SMT. GEETA DEVI, W/O SRI RAMCHANDRA PRASAD, MAUZA-KUSHNAR, THANA, NO-12, WARD NO-35, TALUZA 43A, PLOT NO-1388(7) KHATA NO-148 DIST-PATNA.**

M/S RAJ CONSTRUCTION  
 S.D. SRI RAJESH KUMAR (S.D.)  
 SRI RAJENDRA SINGH  
 AT: NEW CHITRAKUT NAGAR, PATNA  
 THANA - PATRAKAF BAGAR, PATNA



**PATNA MUNICIPAL CORPORATION**

316, 318 & 320 of the Old Municipal Office Building, Patna.

By the Municipal Commissioner, Patna.

DATE: 12/11/17

IN WITNESS WHEREOF

ROOF - WINDOWS TO BE FULLY GLAZED IN STEEL  
 10mm TH. R.C.C. SLAB. 11mm TH. AVG. LIME  
 TERRACING OVER  
 (8) PLASTER - 12mm TH. CEMENT PLASTER ON BOTH SIDE OF WALL  
 (9) COLOUR - COLOUR OR WHITE WASH AS CHOICE

### AREA CALCULATION

TOTAL PLOT AREA = 1538.35 SQ.MT.  
 TOTAL AREA OF ROAD WIDENING = 13.72 SQ.MT.  
 TOTAL NET PLOT AREA = 1524.63 SQ.MT.

### BLOCK - 'A'

TOTAL BASEMENT FLOOR B/U AREA =  
 TOTAL GROUND FLOOR BUILT UP AREA = 265.43 SQ.MT.  
 TOTAL FIRST FLOOR BUILT UP AREA = 294.17 SQ.MT.  
 TOTAL SECOND FLOOR BUILT UP AREA = 294.17 SQ.MT.  
 TOTAL THIRD FLOOR BUILT UP AREA = 294.17 SQ.MT.  
 TOTAL FLOOR BUILT UP AREA = 1147.94 SQ.MT.

### BLOCK - 'B'

TOTAL BASEMENT FLOOR B/U AREA = 5.28 SQ.MT.  
 TOTAL GROUND FLOOR BUILT UP AREA = 348.42 SQ.MT.  
 TOTAL FIRST FLOOR BUILT UP AREA = 374.56 SQ.MT.  
 TOTAL SECOND FLOOR BUILT UP AREA = 374.56 SQ.MT.  
 TOTAL THIRD FLOOR BUILT UP AREA = 374.56 SQ.MT.  
 TOTAL FLOOR BUILT UP AREA = 1477.38 SQ.MT.

TOTAL FLOOR B/U AREA BLOCK - A & B  
 = 1147.94 + 1477.38 = 2625.32 SQ.MT  
 F.A.R. = 1.47

### PARKING CALCULATION (BLOCK - A & B)

TOTAL B/U AREA = 2625.32 Sqm.  
 PARKING AREA REQUIRED (AS/TABLE NO-19,  
 S.No-3) @ 25% = 656.33 Sqm.  
 CAR PARKING AREA PROVIDED AT COVERED  
 BASEMENT FLOOR (BLK-A & B)  
 = (663.12) - (BASEMENT Flr. B/U Area)  
 = 663.12 - 5.28 = 657.84 Sqm  
 SO, TOTAL PARKING AREA PROVIDED (BLK-A&B)  
 = 657.84 Sqm.

PROPOSED RESIDENTIAL APARTMENT OF  
 SMT. GEETA DEVI, W/O SRI RAMCHANDRA  
 PRASAD, MAUZA-KUMHARAR, THANA NO.-12,  
 WARD NO - 35, TAUZI 434, PLOT NO. - 1566(P)  
 KHATA NO. - 168, DIST.-PATNA.

M/S RAJ CONSTRUCTION,  
 M.D. SRI RAJESH KUMAR S/O  
 SRI RAJENDRA SINGH,  
 AT- NEW CHITRAGUPT NAGAR, PARVATI PATH,  
 THANA - PATRAKAR NAGAR, PATNA

1:100, 1:200 NORTH  SHEET NO. 01/06

*Rajesh Kumar*  
*Shankar Rajan*  
 B.A. SHARMA  
 B.Sc. (Engg.)  
 M.C.A.  
 SIGNATURE OF ENGINEER