



**WATER TANK CALCULATION:**

TOTAL NOS OF FLAT = 24  
 ASSUME PERSON PER FLAT = 2.4  
 TOTAL PERSON FROM FLAT = 57.6  
 TOTAL PERSON FROM ROAD = 120  
 TOTAL PERSON = 177.6  
 ADD 20% EXTRA = 144 PERSON  
 ASSUME 15% WATER CONSUMPTION PER DAY  
 15% OF 177.6 = 26.64 M<sup>3</sup> PER DAY  
 SIZE OF WATER TANK PROVIDED  
 (1) = 45.3 X 20 X 1.20 = 108.72 M<sup>3</sup>  
 (2) = 45.3 X 20 X 1.20 = 108.72 M<sup>3</sup>  
 TOTAL SIZE OF WATER TANK PROVIDED  
 = 197.44 M<sup>3</sup> > 26.64 M<sup>3</sup>

**SEPTIC TANK CALCULATION:**

TOTAL NOS OF FLAT = 24  
 ASSUME 8 PERSONS PER FLAT = 24 X 8 = 192  
 ADD 20% EXTRA = 144 PERSON  
 SO TOTAL NOS OF PERSON = 144 PERSON  
 CAPACITY OF SEPTIC TANK FOR 144 PERSON  
 @ 0.085 M<sup>3</sup>/PERSON/DAY  
 144 X 0.085 = 12.24 M<sup>3</sup>  
 PROVIDED SIZE OF SEPTIC TANK  
 = 3.50 X 2.00 X 1.80 = 12.60 M<sup>3</sup>

KEY PLAN  
 SCALE 1:1000

**SCHEDULE OF DOORS & WINDOWS**

NO.	TYPE	SIZE (M <sup>2</sup> )	NO.	TYPE	SIZE (M <sup>2</sup> )
1	DOOR	2.10 X 0.90	1	WINDOW	1.50 X 1.20
2	DOOR	2.10 X 0.90	2	WINDOW	1.50 X 1.20
3	DOOR	2.10 X 0.90	3	WINDOW	1.50 X 1.20
4	DOOR	2.10 X 0.90	4	WINDOW	1.50 X 1.20
5	DOOR	2.10 X 0.90	5	WINDOW	1.50 X 1.20
6	DOOR	2.10 X 0.90	6	WINDOW	1.50 X 1.20
7	DOOR	2.10 X 0.90	7	WINDOW	1.50 X 1.20
8	DOOR	2.10 X 0.90	8	WINDOW	1.50 X 1.20
9	DOOR	2.10 X 0.90	9	WINDOW	1.50 X 1.20
10	DOOR	2.10 X 0.90	10	WINDOW	1.50 X 1.20
11	DOOR	2.10 X 0.90	11	WINDOW	1.50 X 1.20
12	DOOR	2.10 X 0.90	12	WINDOW	1.50 X 1.20
13	DOOR	2.10 X 0.90	13	WINDOW	1.50 X 1.20
14	DOOR	2.10 X 0.90	14	WINDOW	1.50 X 1.20
15	DOOR	2.10 X 0.90	15	WINDOW	1.50 X 1.20
16	DOOR	2.10 X 0.90	16	WINDOW	1.50 X 1.20
17	DOOR	2.10 X 0.90	17	WINDOW	1.50 X 1.20
18	DOOR	2.10 X 0.90	18	WINDOW	1.50 X 1.20
19	DOOR	2.10 X 0.90	19	WINDOW	1.50 X 1.20
20	DOOR	2.10 X 0.90	20	WINDOW	1.50 X 1.20
21	DOOR	2.10 X 0.90	21	WINDOW	1.50 X 1.20
22	DOOR	2.10 X 0.90	22	WINDOW	1.50 X 1.20
23	DOOR	2.10 X 0.90	23	WINDOW	1.50 X 1.20
24	DOOR	2.10 X 0.90	24	WINDOW	1.50 X 1.20

**ABEL CALCULATION:**

TOTAL FLOOR AREA = 133.00 M<sup>2</sup>  
 TOTAL FLOOR AREA LESS: 133.00 M<sup>2</sup>  
 CONTRIBUTION IN ROAD FOR 3.66 M RD = 13.02 M<sup>2</sup>  
 AREA LEFT FOR ROAD WIDENING = 120.00 M<sup>2</sup>  
 AREA LEFT FOR ROAD WIDENING = 120.00 M<sup>2</sup>  
 TOTAL FLOOR BU AREA = 104.00 M<sup>2</sup>  
 TOTAL GROUND FL. BU AREA = 32.12 M<sup>2</sup>  
 FIRST FLOOR BU AREA = 40.25 M<sup>2</sup>  
 SECOND FLOOR BU AREA = 49.37 M<sup>2</sup>  
 THIRD FLOOR BU AREA = 49.37 M<sup>2</sup>  
 FOURTH FLOOR BU AREA = 49.37 M<sup>2</sup>  
 TOTAL FLOOR BU AREA = 247.82 M<sup>2</sup>

FAR = 2.25  
 COV = 47.60%

**PARKING CALCULATION:**

TOTAL NOS OF FLAT = 24  
 ONE FLAT REQUIRES ONE CAR PARKING  
 TOTAL NOS OF CAR PARKING REQUIRED = 24  
 ONE CAR PARKING OCCUPIES 20 SQM OR AREA  
 CAR PARKING AREA REQUIRED = 24 X 20 = 480 SQM AREA  
 CAR PARKING PROVIDED AT COV. GROUP 'E'  
 (1) 45.11 X 22.89 X 6.09 = 45.48 X 18.20 = 827.97 SQM  
 (2) 23.67 X 6.09 = 143.77 SQM  
 (3) 23.67 X 6.09 = 143.77 SQM  
 TOTAL PROVIDED PARKING AREA = 815.51 SQM  
 = 815.51 SQM

PROPOSED RESIDENTIAL BUILDING FOR SRI  
 BASHA GURU WHO LATE SHAIKJI KUMAR  
 RES. OF P.C. BOSE ROAD DANKUR, THE  
 PLOT NO. 105, PATNA, AT PAVING SURVEY  
 RAJIND. 5554, PAVIA NO. 129 & 107,  
 PUSHPANPUR.

31/05/22  
 E.I. SINGH  
 CIVIL ENGINEER

Signature of Owner: \_\_\_\_\_  
 Signature of Architect: \_\_\_\_\_

**M. ANANDH PRASAD**  
 ARCHITECT  
 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

