

TENDER DOCUMENT

For

CIVIL CONSTRUCTION OF VELIYATHUNADU MUSHROOM PROCESSING PLANT

PREAMBLE

PROJECT : CIVIL CONSTRUCTION OF MUSHROOM PROCESSING PLANT

LOCATION : VELIYATHUNADU SERVICE CO-OPERATIVE
BANK LTD.NO.E-298
PARAVUR ROAD, U.C.COLLEGE PO,
ALUVA, KERALA-683102

COMPLETION : WITHIN 10 WEEKS FROM DATE OF AGREEMENT

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For Veliyathunadu Service Co-Operative Bank

Place : Veliyathunadu, Aluva

Date : 28/11/2023

Authorised Signatory 
 IN CHARGE
 U.C. COLLEGE-683102
 VELIYATHUNADU SERVICE CO-OPERATIVE BANK LTD.
 B. LTD. No. E-298
 ALUVA-683102

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ARTICLE 1

DEFINITIONS

For this Tender, terms set forth in this **Article 1.1**, when employed in singular or plural form, are defined to mean, unless the context otherwise requires, the following.

- 1.1 Project** means construction of **317 M²** Mushroom Processing Plant as per Drawing No. LSGD 1.1A and the specifications given as the Annex.1, at the premises of **VELIYATHUNADU SERVICE CO-OPERATIVE BANK NO.E-298, U.C.COLLEGE PO, ALUVA, KERALA – 683102.**
- 1.2 Civil Construction** means and includes Plinth, PCC Floor, Walls, Workers Toilet block, Septic tank, etc., as detailed in **Drq.No. LSGD 1.1A** attached as Annex.1 & Estimation given attached as Annex 2
- 1.3 Bidder/Contractor** means, the Eligible Person / Firm / Co-operative Society or Company who had tendered for **Project** and has been selected to undertake completion of **Project**
- 1.4 Offer** means sealed offer based on this Tender No.2248_T1/2023 from **Bidder/Contractor** for undertaking **Civil Construction of Project**
- 1.5 Contract Document** means and includes, Tender Document and acceptance thereof, including conditions, specifications, designs, drawings and formal **Agreement.**
- 1.6 Contract Value** means the fixed amount, **including all taxes** and duties, offered by **Bidder/Contractor** to complete **Civil Construction of Project.**
- 1.7 Earnest Money Deposit (EMD)** (equivalent of 2 % of **Contract Value** by Demand Draft from a Scheduled Bank, to be submitted along with **Offer**) is to ensure that **Bidder/Contractor** does not submit a dummy **Offer** or back out at time of Tender opening.

EMD provided by successful **Bidder/Contractor** is retained against **Security Deposit.** In the event of successful **Bidder/Contractor** backing out, respective **EMD** is forfeited.

EMDs from unsuccessful **Bidders/Contractors** are returned within 15 days from date of opening of the **Tender**
- 1.8 Time of completion** means the period in which the **Civil Construction of Project** is to be completed from the date of signing the **Contract**
- 1.9 Project Officer** means the executive, duly authorised by **Veliyathunadu Service Co-Operative Bank** as in charge of execution of **Civil Construction of Project** and to whom **Bidder/Contractor** will report all technical aspects of **Civil Construction of Project**
- 1.10 Certificate of Practical Completion** is the certificate issued by **Project Officer**, confirming that **Bidder/Contractor** has **completed** the contractual obligations as per **Offer.**
- 1.11 Defects liability period** of 12 months is a period of time following **Practical Completion.** If any defect during this period is observed and notified by **Project Officer**, **Bidder/Contractor** shall rectify the same at his cost.

1.12 Performance Guarantee of 5% of **Contract Value** and for a period of 12 months from date of **Completion Certificate**, is against due and faithful completion of **Project**.

After adjusting the **EMD**, balance of **Performance Guarantee** may be recovered by percentage deduction from the successful **Bidder/ Contractor's**, respective "on account" bills.

1.13 Performance Guarantee amount shall be returned to the **Bidder/Contractor** after expiry of **Defects liability period**, (subject to **Bidder/Contractor** rectifying defects, if any during the period) against **No Claim Certificate** issued by **Project Officer**.

1.14 Agreement, which is part of **Contract Documents**, means the formal Agreement executed between **Secretary, Veliyathunadu Service Co-Operative Bank** and **Bidder/Contractor**. **Agreement** will govern all terms and conditions of completion of **Project**.

1.15 Drawings, which is part of **Contract Documents**, mean the drawings which will form part of **Project** under Permit No..... Issued by Veliyathunadu Gram Panchayath, sanctioning the construction of **Project**.

1.16 Specifications mean the specifications for Materials and Civil Construction specified in **Drawings** which may be amplified, added to or superseded by written instruction of **Project Officer** during **Time of Completion**.

ARTICLE 2

TENDER CONDITIONS

2.1 ELIGIBILITY / QUALIFICATION

Bidder/Contractor must have Experience in Civil Construction of Industrial Buildings and should have constructed at least one building completed within the last three years, cost of construction of which should be above Rs. 50 lacs

If so desired by **Veliyathunadu Service Co-Operative Bank**, **Bidder/Contractor** will make arrangements for **Project Officer** to see the Building.

2.2 Permissions/Approvals

Bidder/Contractor must have all necessary statutory and valid Permissions/Approvals as well as Registration for WCT (Work Contract, Tax), Service Tax etc. necessary, to undertake the **Project**.

2.3 Construction Material

Materials as per specifications in Tender and brought on site by **Bidder/ Contractor** shall be used in construction only after inspection and approval by **Project Officer**

ARTICLE 3**FORM OF TENDER****3.1 Competence**

If **Bidder/Contractor** is,

An individual, **Offer** shall be signed with full name and complete address, both permanent address and communication address.

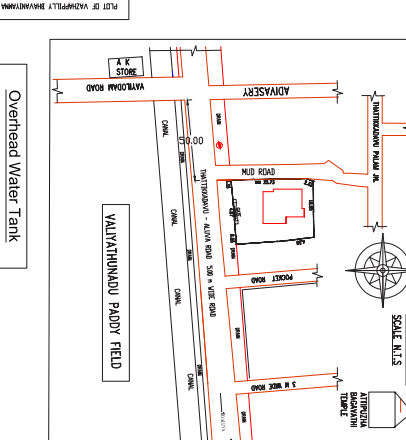
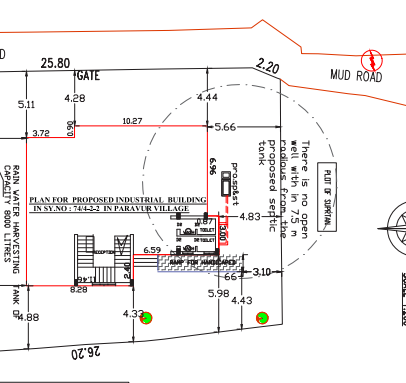
A partnership firm, **Offer** shall be signed by the Managing Partner of the firm. Notarised copy of Registered Partnership Deed of the firm shall be submitted along with **Offer**.

A company incorporated under the companies Act (1 of 1956), **Offer** shall be signed by its Managing Director duly authorised on their behalf and shall bear the official seal of the company.

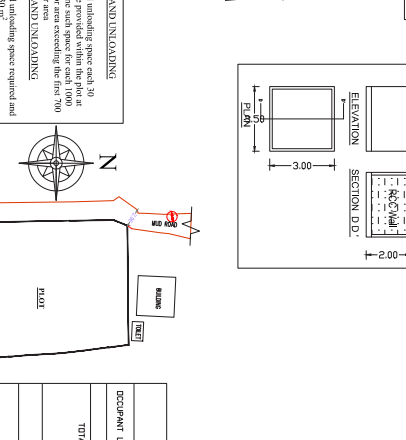
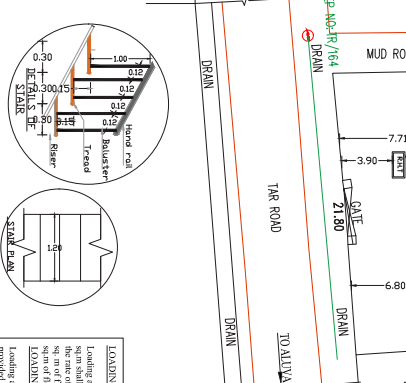
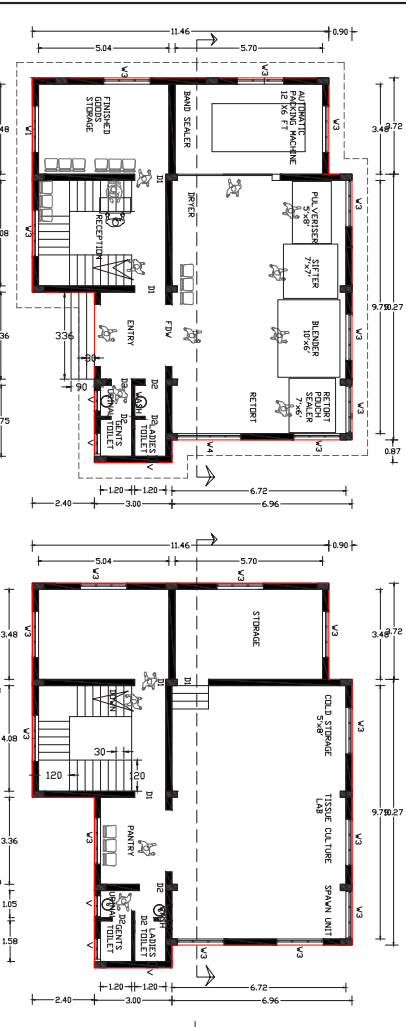
3.2 Covering Letter

Offer shall have a covering letter, signed and sealed, in the following format, typed in the letterhead of **Bidder/Contractor**.

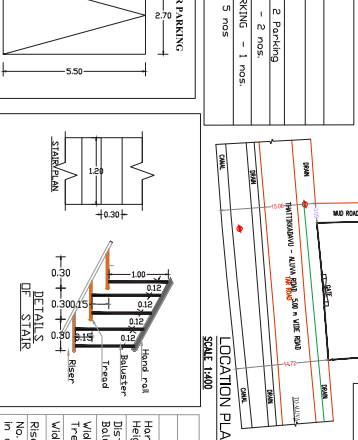
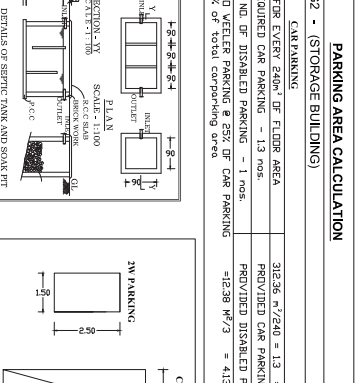
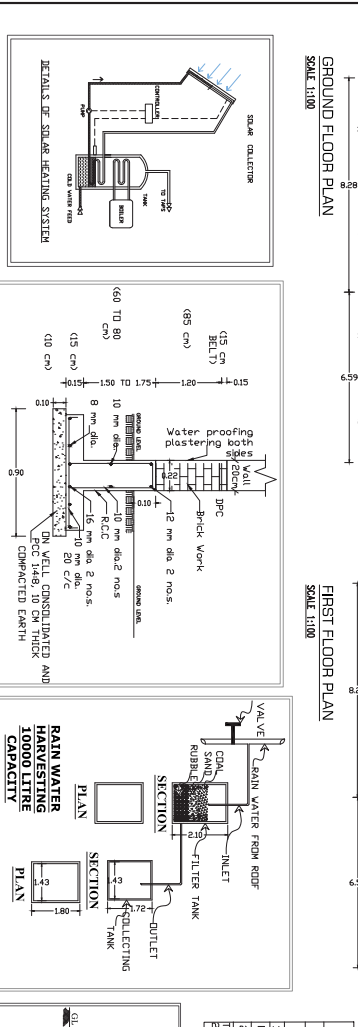
PLAN FOR PROPOSED INDUSTRIAL BUILDING G-1 CATEGORY (FACTORY) INS.NO: 74/4-2-2 IN PARAVUR VILLAGE



Color	Symbol	Description
Blue	—	Proposed Building
Green	—	Proposed Road
Red	—	Proposed Water Line
Orange	—	Proposed Sewer Line
Yellow	—	Proposed Power Line
Grey	—	Proposed Storm Water Drain
Black	—	Proposed Boundary



Occupant	Load	Area
Male	7 WIS	317.78 m ²
Female	4 WIS	415.21 m ²
Total		733.00 m ²



Detail	Required	Provided
Hand rail Height	0.90	0.90
Distance b/w Hand rail	0.12	0.12
Width of Tread	0.30	0.30
Width of Riser	0.15	0.15
No. of steps in a flight	12	9

Category	Item	Value
SITE DETAILS	SYND	70/4-2-2
	VILLAGE	PARAVUR
	TALUK	KARIMKULODUR
	DISTRICT	ERNAKULAM
	EXTENT	587 SQ.M
JONARY DETAILS	DOOR	D 1.100x2.10
	DOOR	D1 0.90x2.10
	DOOR	D2 0.80x2.10
	WINDOW	V4 2.00x1.45
	WINDOW	V3 1.50x1.45
	ROLLING SHUTTER	R.S 2.40x2.40
	ARCH FIXED WINDOW	F.W 3.40x2.90
	ARCH WINDOW	F.W 0.75x0.45
	VENTILATOR	V
	VENTILATOR	V

Area	Value
FLOOR AREA	312.36 m ²
BUILT UP AREA	158.50 m ²
FLOOR AREA	153.86 m ²
COVERED AREA	158.50 m ²
SETBACK PROVIDED TO BUILDING	300 m
Required	7.86 m
Provided	300 m
Front	300 m
Side 1	300 m
Side 2	519 m
Rear	300 m

APPLICANT: VELYATHUNDODU SERVICE COOPERATIVE BANK, WEST VELYATHUNDODU, 689311, ERNAKULAM.

LICENSEE: **agronature**
 Registered firming
 801 AAKKARAI STREET, LTD
 No. 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.

Detailed Estimate

Name of work:-

VELIYATHUNADU FACTORY BUILDING ESTIMATE

SI No	Description of Item	Quantity	Rate	Amount
	Piling work			
1	Boring, providing and installing bored cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring, with bentonite solution and temporary casing of appropriate length for setting out and removal of same and the length of the pile to be embedded in the pile cap etc. all complete, including removal of excavated earth with all lifts and leads (Length of pile for payment shall be measured upto bottom of pile cap). 500 mm dia piles with double bulb	241.00	meter	
2	Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth level Thermo - Mechanically Treated bars of grade Fe-500D or more	3080.00	Kg	
3	pile chipping	21.00	meter	
	Sub Head I : Earth Work			
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal / spreading of surplus excavated soil as directed, within a lead of 50m / within compound.			
a)	All kinds of soil.	30.00	cum	
2	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m.	30	cum	



3	Filling with contractor's own earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m as per direction of site Engineer-in-charge				
		85	cum		
	Sub Head II : Concrete Work				
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
a)	1:4:8(1 cement : 2 coarse sand(zone-III) : 4 graded stone aggregate 40 mm nominal size)	20.00	cum		
	Sub Head III : Reinforced Cement Concrete				
	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying including the cost of centering, shuttering, finishing and including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer - in-charge. Note:- Cement content considered in this item is @ 350 kg/ cum. Excess or less cement used as per design mix is payable or recoverable separately.				
a)	All work upto plinth level	35	cum		
	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying including the cost of centering, shuttering, finishing including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer - in-charge. Note:- Cement content considered in this item is @ 330 kg/ cum. Excess or less cement used as per design mix is payable or recoverable separately.				
b)	Above plinth level	45	cum		
c)	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.	10080.00	kg		
	Sub Head IV : Masonry Work				



a)	Solid block masonry using pre cast solid blocks (Factory made) of size 30x20x20cm or nearest available size confirming to IS 2185 part I of 1979 for with thickness 20cm and above in: CM 1:6 (1 cement : 6 coarse sand) etc complete	85.00	cum		
b)	Solid block masonry using pre cast solid blocks (Factory made) of size 30x20x10cm or nearest available size confirming to IS 2185 part I of 1979 for 10cm and above in: CM 1:6 (1 cement : 6 coarse sand) etc complete	2.00	cum		
Sub Head V : Wood and PVC Work					
a)	steel window size 1.8x1.5	21.00	nos		
b)	flush door with frame 120 cm width	5	nos		
c)	flushdoor with frame 80cm width	8.00	nos		
d)	ventilator with frame and shutter 45x45	4	nos		
Sub Head VI : Steel Work					
a)	(PEB)Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	18500.00	kg		
b)	decking sheet 0.8mm thickness	341.00	sqm		
Sub Head VII : Flooring					
a)	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including pointing the joints with white cement and matching pigments etc., complete.	22.00	sqm		



b)	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622 , of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete.				
	Size of Tile 600x600 mm	320.00	sqm		
c)	ceramic wall tile size of tile 300x300	70.00	sqm		
Sub Head IX : Finishing					
a)	12 mm cement plaster of mix : 1:6 (1 cement: 6 fine sand)	645.00	sqm		
b)	12 mm cement plaster on the rough side : 1:6 (1 cement: 6 fine sand)	321.00	sqm		
c)	interior painting with one coat primer two coat emulsion	645	sqm		
d)	exterior painting with one coat primer two coat emulsion	321	sqm		
	Stainless steel Hand rails 304 grade supply and intallation	16.32	meter		
	plumbing	1.00	Ls		
	septic tank	1.00	Ls		
	Over head tank 20000	1.00	litr		
TOTAL					

