

# ESTIMATE

Name of Scheme :- Strigour Loksanchalit Sadhan Kendra, Kawarabhand Tha-  
Salekasa Dist- Gondia

Estimateed Amount :- Shed - Rs. 5,00,000 /-



## REPORT

### Design Scope :

- 1) Size 14 M x 6.9 M and the height of the building will be ten and half from floor to ceiling.
- 2) The plinth will be of 2 ft elevated from the ground.
- 3) The two sides of the building will be of gravel wall and roof will be GCI sheet on steeled tubular structure.
- 4) The floor will be of Cement finish. The entrance of the hall, there will be a verandah of size 10 ft x 7 ft with R.C.C. roof with 2 rounds pillars and the floor will be of cement finish.
- 5) Doors are D 1 and on D 2 and window W 1 to 5 Box Chajja with grill protection. The measurement is given as below against the D 1 and D 2 = 4.5 ft x 7 ft. of wooden door on iron angled frame, W 1 to W 6 = 6 ft x 4 ft. of aluminium framed glass sliding window.
- 6) Location Salekasa Dist- Gondia --- Bhu K. 443/2

Estimated Cost : Rs. 5,00,000.00

S.NO.	SSR	DESCRIPTION	Unit	Quantity	Rate	Amount
1	SSR-2021-22 Chapter-2 Item-2.3	<p>Earthwork in excavation in all kinds of soil in foundation, trenches of drains (not exceeding 1.5 m in width of 10 sqm. On plan) including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil, stacking the suitable soil properly for using the same in the building below floor and disposal of surplus excavated soil as directed, within a lead of 50 m as directed as per clauses of Chapter – 2 of CPWD specification</p> <p>a. Without dewatering            Coll footing = <math>1 \times 16 \times 1.00 \times 1.00 \times 0.90 = 14.40</math> cum            Wall footing = <math>1 \times 1.36.8 \times 0.50 \times 0.60 = 13.25</math> cum            Total = 27.65 cum</p>	cum	27.65	322.8	8925.42
2	SSR-2021-22 Chapter-2 Item-2.4	<p>Filling in trenches, plinth, under floor, sides of foundations etc. with available excavated suitable soil in regular horizontal layers, each not exceeding 200 mm in depth with all lead and lifts, consolidating each layer by watering and ramming with steel rammers of ½ tone roller as per clauses of Chapter – 2 of</p> <p>Under Floor = <math>1 \times 14.75 \times 7.5 \times 0.50 = 55.31</math> cum            Side of footing = <math>2/3 \times 27.65 = 18.43</math> cum            Total = 73.74 cum</p>	cum	73.74	148.50	10950.39

3	SSR-2021-22 Chapter-2 Item-2.8	Filling in trenches, plinth, under floor, foundations etc. as per design with danda with all lifts, transporting to site, spreading in regular horizontal layers, watering, grading to required slope and compacting each layer by using plate compactor or by any suitable method as per clauses of Chapter - 2 of CPWD specification. 1. With fine sand obtained from local quarry. Cool footing= $1 \times 16 \times 1.00 \times 1.00 \times 0.075 = 1.20$ cum Wall footing= $1 \times 1 \times 52.8 \times 0.60 \times 0.075 = 2.38$ cum Under Floor= $1.15 \times 0.00 \times 7.75 \times 0.15 = 17.44$ cum $1 \times 3.00 \times 2.15 \times 0.15 = 0.97$ cum Total = 21.99 cum	cum	21.66	1592.20	34487.05
<b>Sub Head-Cement Concrete Work</b>						
4	SSR-2021-22 Chapter-3 Item-3.1	Providing and laying in position cement concrete of specified grade including the cost of Form work, all work upto plinth level as per clauses of Chapter-4 of CPWD specification 1. 1 : 4 : 8 (1 cement : 4 fine sand & graded well burnt brick aggregate of 40 mm nominal size) Cool footing= $1 \times 16 \times 1.00 \times 1.00 \times 0.075 = 1.20$ cum Wall footing= $1 \times 1 \times 52.8 \times 0.60 \times 0.075 = 2.38$ cum Under Floor= $1 \times 15.00 \times 7.75 \times 0.10 = 11.63$ cum $1 \times 3.00 \times 2.15 \times 0.10 = 0.27$ cum Total = 16.13 cum	cum	16.13	4983.50	80385.47
<b>Sub Head - R.C.C. Work</b>						
5	SSR-2021-22 Chapter-4 Item-4.1	Providing and laying in position reinforced cement concrete of specified grade including the cost of Form work. But excluding finishing and reinforcement, all work upto plinth level as per 1 : 1 : 5 : 3 (1 cement : 1.5 fine sand : 3 graded stone Aggregate of 20 mm nominal size) Cool footing= $1 \times 16 \times 1.00 \times 1.00 \times 0.15 = 2.40$ cum $1 \times 16 \times 15/4 \times 1/2 \times 25 \times 2 \times 2(1 \times 25) = 0.94$ cum Total = 3.34 cum	cum	3.34	8877.00	29649.18

6	SSR-2021-22 Chapter-4 Item-4.3	<p>Providing and laying in positions reinforced cement concrete of specified grade in suspended floors, roots having slope upto 15 degree, landings, balconies, shelves, chajjas etc. upto floor five level including the cost of frame work, but excluding finishing and</p> <p>1. 1 : 1.5 : 3 (1 cement : 1.5 fine sand : 3 graded stone aggregate of 20 mm nominal Ent. Slab = 1.3,00x2.15x0.11=0.71 cum Chajja = 1x6x1.9x0.50x0.10=0.57 cum Total = 1.28 cum</p>	cum	1.28	9278	11875.84
7	SSR-2021-22 Chapter-4 Item no. 4.4	<p>Providing and laying in position reinforced cement concrete of specified grade in beams, lintels, bands, plain window sills, stair cases, spiral stair cases excluding pre-cast spiral stair case etc. upto floor five level including the cost of frame work, but excluding finishing and reinforcement, as per clauses of Chapter- 5 of</p> <p>1. 1 : 1.5 : 3 (1 cement : 1.5 fine sand : 3 graded stone aggregate of 20 mm nominal Plinth beam=1x52.80x0.25x0.25=3.30 cum Lintel beam=1x45.5x0.125x0.15 Entrance beam = 1x7.20x0.25x0.10=0.34 cum Total = 4.49 cum</p>	cum	4.49	8581	38528.69
8	SSR-2021-22 Chapter-4 Item no. 4.2	<p>Providing and laying in position reinforced cement concrete of specified grade including the cost of Form work, but excluding finishing and reinforcement, upto floor five level as per clauses of</p> <p>a. In plinth &amp; skirting courses, fillets, columns, pilfers, post &amp; struts etc. Column = 1x14x0.25x0.25x4.4=3.85 cum 1x2x3.14/4x25^2x3.3=0.32 cum Total = 4.17 cum</p>	cum	4.17	8162	34035.54
9	SSR-2021-22 Chapter-6 Item no. 6.2	<p>First class brick work in foundation and plinth including cost of all materials required and as per clauses of chapter-6 of CPWD</p> <p>1. In Cement mortar 1:6 ( 1 cement : 6 fine sand) Wall footing = 1x52.8x0.254x0.40=5.36 cum Total = 5.36 cum</p>	cum	5.36	2835	15195.50

10	SSR-2021-22 Chapter-6 Item 6.13	Half brick masonry with first class bricks in superstructure above plinth level upto floor five level including cost of all materials required and as per clauses of chapter-6 of CPWD specification 1 In Cement mortar 1:4 ( 1 cement . 4 fine sand) Wall = 1x30 00x3.00=90.00 sqm Less = D=1x2x1.4x2.1 = 5.88 sqm W=1x6x1.80x1.20 = 12.96 sqm Total = 71.16 sqm	sqm	71.16	31039.99	
11	SSR-2021-22 Chapter-10 Item no. 10.3	Providing and fixing glazing in aluminium aluminium doors, windows, ventilator, shutters and partition frames with PVC/neoprene gasket etc. complete as per architectural drawings and the direction of Engineer-in-charge and as per clauses of chapter 24 of CPWD specification A. With sglss panes of 4.0 m thickness (weight not less than 10.0 kg/sqm) W=1x6x1.80x1.20=12.96 sqm Total = 12.96 sqm	sqm	12.96	6746.98	
12	SSR-2021-22 Chapter-9 Item no. 8.19	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flat, solid square of solid round bars etc. all complete as per clauses of Chapter-9 of CPWD specification 1. Fixed to openings in walls with rawf plugs, screws etc. W=1x6x1.80x1.20=12.96 sqm @ 10 kg/sqm=129.60 kg Total = 129.6 kg	kg	129.60	21941.28	
				436.2	530.6	169.3

13	TSR-2021-22 Chapter-9 Item no. 9.11	<p>Providing and fixing Free form for doors, windows and ventilators of mild steel flat sections. Ends milled and rubbed with (1/2 x 1/2) mm fillet on both ends and at corners. Complete package (2x1/2) fillet of 1.30 / 1 square. 4 nos each 4 graded brass appropriate 20 mm diameter steel or with wooden plugs and screws or with fixing clips or with bolts and nuts as required including fixing of necessary full hinges and of screws and applying a priming coat of approved steel primer as per clauses of chapter 10 of CPWD specification</p> <p>D = 1x2x2.2 = 4.4 m 1x2x1.4 = 2.8 m 11.20m @ 3.5 kg/m = 39.20 kg Total = 39.2 kg</p>	kg	39.20	102.34	4011.73
14	TSR-2021 Chapter-6 Item no. 6.5	<p>Providing and fixing paneled or paneled and glazed shutters for doors, windows and clerestory windows including bright finished black enameled M.S. butt hinges with necessary screws (excluding paneling and or glazing which will be paid for separately). But including the wooden beading of 20 x 12 mm for</p> <p>B Double leaf door shutter 1. Gamair wood a. 35 mm thick shutters D = 1x2x1.40x2.10 = 5.88 sqm</p>	sqm	5.88	336.7	2507.73
15	TSR-2008 Chapter-6 Item no., 6.41	<p>Providing and fixing ISI marked aluminium sliding door bolts anodized (anodized coating not less than grade AC 10 as per IS 1866) transparent or dyed to required colour or shade with necessary screws etc complete as per clauses of Chapter - 9 of CPWD specification</p> <p>1. 300 x 18 mm Total = 2 nos</p>	Nos	2.00	218.1	436.60
16	TSR-2008 Chapter-6 Item no. 6.42	<p>Providing and fixing ISI marked aluminium tower bolts anodized (anodized coating not less than grade AC 10 as per IS 1866) transparent or dyed to required colour or shade with necessary screws etc. complete as per clauses of Chapter - 9 of CPWD specification</p> <p>1. 300x10 mm Total = 2 nos</p>	Nos	2.00	164.20	368.40

17	TSR-2008 Chapter-8 Item no. 8.45	Providing and fixing ISI marked aluminium handles with plate anodized (anodized coating not less than grade AC 10 as per IS 1868) transparent or dyed to required colour or shade with necessary screws etc. complete as per clauses of Chapter - 9 of CPWD specification. 1. 150 mm Total = 4 Nos	Nos	4.00	85.60	342.40
18	TSR-2008 Chapter-11 Item no.11.9	<b>Sub Head-Flooring Work</b> Providing and laying cement concrete 1:2:4 (1 cement : 2 fine sand : 4 graded well burnt brick aggregate) flooring finished with a floating coat of neat cement including cement slurry, rounding of edges and strips etc. complete as per clauses of Chapter - 11 of CPWD specification. 1. 25 mm thick with 12.5 mm stone aggregate Floor = 1x14.00x6.90=96.6 sqm Total 96.6 sqm	sqm	96.60	172.30	16544.18
19	TSR-2008 Chapter-13 Item no. 13.1	<b>Sub Head-Finishing Work</b> 12 mm cement plaster in single layer including cost of materials required and finishing even and smooth and curing complete as per clauses of chapter 13 of CPWD specification. 1. Cement mortar 1:6 (1 cement : 6 fine sand) 1x4x10.00x3.00=120.00 1x4x6.00x3.00 = 72.00 Less D=1x4x(1/2)x1.4x2.1 =5.88 W=1x12x(1/2)x1.8x1.2=5.88 Total 173.16 sqm	sqm	173.16	148.20	25662.31
20	TSR-2008 Chapter-13 Item no. 13.4	Wall painting with plastic emulsion paint (two or more coats) of required colour of approved brand and manufacture on raw work to give an even shade including cost of materials required and as per clauses of chapter 13 of CPWD specification. Inside wall = 1x2x15.00x3.20=98.00 1x2x7.75x3.20=49.60 Less-E=1x2x(1/2)x1.4x2.1=2.94 W=1x6x(1/2)x1.8x1.2=0.48 Total = 136.18 sqm	sqm	136.18		5737.26
					42.13	

21	TSR-2008 Chapter- 13 Item no. 13.2	Finishing walls with acrylic smooth exterior paint of required shade of approved brand and manufacture on new work (two or more coats applied @1.667 kg/10 sqm) over and including base coat water proofing cement paint applied @ 2.20 kg/10 sqm complete including cost of materials required and as per clauses of chapter Outside wall = $1 \times 2 \times 15.00 \times 3.20 = 96.00$ $1 \times 2 \times 7.75 \times 3.20 = 49.60$ Less-D = $1 \times 2 \times (1/2) \times 1.4 \times 2.1 = 2.94$ W = $1 \times 6 \times (1/2) \times 1.8 \times 1.2 = 6.48$ Total = 136.18 sqm	sqm	136.18	9546.22
22	TSR-2008 Chapter= 9 Item no. 9.12	Providing and fixing steel work in built up tubular trusses including cutting. Hoisting, fixing in position and applying a priming coat of approved steel primer, welded and bolted including special shaped washers etc. complete as per clauses of chapter-10 of CPWD specification. 1. With mild steel tubes Hot finished welded (HFW) type medium class. Total = 350 kg	kg	350	42805.00
23	TSR-1008 Chapter- 12 Item no. 12.1	Providing and fixing corrugated G.S. Sheet roofing fixed with polymer coated J or L hooks 8 mm diameter, bolts and nuts 6 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with lead and including a coat of approved steel primer and two coats of approved epoxy paint on overlapping of sheets complete (upto a pitch of 60 degrees) over a built structure including all types of necessary scaffoldings etc. but excluding the cost of the purlins, rafters and trusses etc. as per clauses of Chapter-12 of CPWD specification 1. 0.63 mm thick with zinc coating not less than 275 gm/m <sup>2</sup> roof = $1 \times 2 \times 14.00 \times 3.45 = 96.6$ sqm Total = 96.6 sqm	sqm	96.6	57863.40

24	<p>TSE/2008 Chapter- 12 Item no. 124</p>	<p>Providing and fixing ridges or hips of 60 cm overall width of plain G.S. Sheet (Class-1) fixed with polymer coated J or L hooks 8 mm diameter, bolts and nuts 6 mm diameter with bitumen and G.I. limpet washers and including a coat of approved steel primer and two coats of approved epoxy paint on overlapping of sheets complete as per clauses of Chapter – 12 of CPWD specification.  1. 0.53 mm thick with zinc coating not less than 275 gm/m<sup>2</sup>  roof = 14x14.50 = 203.00 sqm  Total = 203.00 m<sup>2</sup>.</p>	Mtr	14	522.38	7313.32
				TOTAL		500000.000



Hand-drawn  
Technical Drawing