

ESTIMATE

तेजप्रवाह लोकसंचालित साधन केंद्र सुकडी/डाक

तालुका - तिरोडा

जिल्हा - गोंदिया

ESTIMATE FOR THE CONSTRUCTION GODOWN

ABSTRACT

S.n.	Item of work	Qty	Rate	Unit	Amount
1	Item No. 1 Excavation for foundation in soft soil including removing the excavated material upto a distance of 50 m and lifts as below stacking and spreading preparing the bed for foundation and excluding backfilling etc. complete. As per rate Analysis	60.000	531.00	cum	31860.00
2	Item No. 2 Providing Dry Trap /Granite/Quartzire/ Gneiss/With Rubber stone Soling 15 cm to 20 cm thick layer including hand packing and compting etc comp. As per rate Analysis	8.000	1678.00	cum	13424.00
3	Item No.3 Providing and laying in situ, cement concrete M-10/(1:3:6) of trap/granite/quartzite/gneiss metal for foundation and bedding including plywood/steel formwork bailing out water,compacting, finishing uneven and honeycombed surface, curing etc. complete. The Cement Mortar 1:3 plaster is considered for rendering unecen and honeycombed surface only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed.) As per rate Analysis	9.025	9972.00	cum	89997.00
4	Item No.4 : - Providing and casting in site of trap / granite / gnesis metal of approved quality for RCC works as per detailed drawing and design or as directed by Engineer in charge including normal dewatering centering form work, surfaces with cm 1:3 of sufficient minimum thickness to give in smooth and even surface whenever necessary of roughing if special finish is to provided and curring etc complete. (excluding M.S. reinforcement) 1)For R.C.C. M-(150) Footing 2)For RCC(M-20) grade Beams and Lintel 3)For RCC(M-20) grade Chhajjas 4)For RCC(M-20) grade Column 5)For RCC(M-20) grade slabs and Landings As per rate Analysis	1.923 3.111 0.775 5.123 6.821	8015.91 12150.13 12178.22 12316.18 12978.88	cum cum cum cum cum	15415.00 37793.00 9441.00 63099.00 88523.00
5	Item No. 5 Providing second class burnt brick mansony with conventional / I.S. type brick in cement mortar 1:6 in super structure including striking joints, racking out joints watering and scaffolding complete. As per rate Analysis	22.304	7758.12	cum	173041.00
6	Item No. 6 : -				

S.n.	Item of work	Qty	Rate	Unit	Amount
	Providing internal cement plaster 12 mm thick in a single coat in cement mortar 1:4 with neeru finish to concrete or bricks surface in all positions including scaffolding and curing complete. 12 mm thick plaster As per rate Analysis	245.295	418.92	Sqm	102759.00
7	Item No. 7 Tiles of 30cm x 30cm	49.616	501.12	Sqm	24864
7	Item No. 7 :- Providing and applying washable Acrylic emulsion paint of approved colour and shade to existing surface in two coats including scaffolding, preparing the surface to receive paint including the primer coat etc. complete. (As per rate Analysis attached)	245.295	370.12	sqm	90789.00
8	Item No. 8 :- Providing and fixing, 18 gauge M.S. sheet door with frame work 40 x 40 x 6 mm M.S. angle including locking arrangement, hold fast including applying anticorrosive primere coat of red lead paint and 2 coats of oil paint complete. As per rate Analysis	2.100	7895.25	sqm	16580.00
9	Item No. 9 :- Providing and fixing steel windows of various sizes as per detailed drawing with welded square bars as per 12mm at 10 cm centre to centre without hot deep zinc coating without / with ventilator including fabrication, glazing with non-acentic / plain / obscured glass panes of approved type and quality, all fixtures and fatening without teak wood boxing, and architraves and finishing with coat of primer complete. As per rate Analysis	6.480	8122.00	sqm	52631.00
10	Item No. 10 :- Providing and fixing in position steel bar reinforcement of various diameters for RCC pipes, caps, footings, foundations, slabs, beams, columns, canopies, staircases, newels, chajjas, lintels, pardies, copings, fins, arches, etc. as per detailed desings, drawings and schdules; including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required, etc. complete. (icluding cost of binding wire.) As per rate Analysis	1.775	89578.22	MT	159001.00
11	Item No. 11 :- Filling in plinth and floors/trenches with Contrctor murum for bedding in 15 cm to 20 cm layer including watering and compction etc comp. As per rate Analysis	42.590	1895.72	Cum	80739.00
12	Item No. 12 :- Providing & fixing electrical fixtures to the switch room etc. complete.	1.000	1000.0	Job	1000.0

S.n.	Item of work	Qty	Rate	Unit	Amount
13	Item No. 13 ; - Providing and fixing in position M.S. ladder of 0.50 m wide etc comp. As per rate Analysis	1.750	1400.00	Rmt	2450.00
14	Item No. 14 Providing and ercting M.S.angle for electrical wire fitting including all aceesories etc comp.angle 50 x 50 x 6 mm etc comp. As per rate Analysis	6.750	160.30	Kg	1082.00
Total					1054487.57
Add 12% Gst					126539
ADD 7% FOR PLUBING WORK =					73814
ADD 7% FOR ELECTRICAL WORK =					73814
GRAND TOTAL =					1328654

Estimate prepared by :-

Shubham
Enr **Shubham Sakure**

MEASUREMENT

Sr. No.	Item of work	Nos.	length	Breadth	Height	Qty.
1	Item No. 1 Excavation for foundation in soft soil including removing the excavated material upto a distance of 50 m and lifts as below stacking and spreading preparing the bed for foundation and excluding backfilling etc. complete.	10.000	2.000	2.000	1.500	60.000
2	Item No. 2 Providing Dry Trap /Granite/Quartzire/Gneiss/With Rubber stone Soling 15 cm to 20 cm thick layer including hand packing and compting etc comp.	10.00	2.00	2.00	0.20	8.000
3	Item No.3 Providing and laying in situ, cement concrete M-15/(1:2:4) of metal for foundation and bedding including plywood/steel formwork bailing out water, compacting, finishing, curing etc. complete.	10.00	1.90	1.90	0.25	9.025
4	Item no.4 Providing and casting in situ C.C. trap/granite/quartzite/gneiss metal of approved (excluding M.S. reinforcement) 1)For R.C.C. M-(150) Footing 2)For RCC(M-20) grade Beams and Lintel 3)For RCC(M-20) grade Chhajjas 4)For RCC(M-20) grade Column 5)For RCC(M-20) grade slabs and Landings Footing Rectangular Footing Trapezoidal (C.S.R. P. No.19,21,22,20/it. No.1,9,13,5)	10	1	1	0.15	1.500
		$4 \times (0.3/2) \times \{ (0.90 \times 0.90 + 0.45 \times 0.45) / 2 \}$				0.423
		Total				1.923
	BeamsM (150) Lift 0.0 m to 1.2 m Beam at P.L.	2	4.6	0.23	0.45	0.952
		2	8.400	0.23	0.45	1.739
	Lift 0.0mto 5.0 m	2	4.6	0.23	0.45	0.952
		2	8.40	0.23	0.45	1.739
	Lift 0.0mto 3.0m Door Lintel	2	8.40	0.23	0.23	0.889
	Lift 0.0mto 3.0m. Window Lintel	4	1.5	0.23	0.23	0.317
		Total				3.111
	Chajja M(150)	2	3.46	0.60	0.10	0.415
		4	1.5	0.60	0.10	0.360
		Total				0.775
	Column M(150) for column 0 to 5m.B.G.L.	10	0.23	0.45	0.950	0.983
	for column 0 to 5m.Above G.L.	10	0.23	0.45	4.000	4.140

Sr. No.	Item of work	Nos.	length	Breadth	Height	Qty.
					Total	5.123
	Slab M(150)					
	Roof slab	1	5.06	8.86	0.120	5.380
	slab beam	2	5.06	0.23	0.450	0.524
		2	8.9	0.23	0.450	0.917
					Total	6.821
5	Item No. 5 Providing IInd class B.B.masonry with convention/I.S.type bricks					
	Long walls	2.00	8.4	0.23	4.55	17.581
	Short wall	2.00	4.6	0.23	4.55	9.628
	Deduction for door	2.00	1.0	0.23	2.10	-0.966
	Deduction for window	4.00	0.9	0.23	1.20	-0.828
	Deduction for beam, Lintel					-3.111
					Total	22.304
6	Item No. 6 :- Providing cement plaster 12 mm. thick in					
	Inside plaster	2	8.4	5		84.000
	Inside plaster	2.00	4.60	5.00		46.000
	celling	1.00	4.60	8.40		38.640
	Deduction of Door	1/2x1	1.00	2.10		1.050
	Deduction of Windows	1/2x1	0.90	1.20		0.540
	Outside plaster	4	3.46	3.40		47.056
	Plinth beam sides	4	3.46	0.18		2.491
	Plinth beam bottom	4	3.00	0.23		2.760
	Slab Bottom	1	3.00	3.00		9.000
	Column Sides	16	0.23	1.00		3.680
	Landing	1	3.46	1.00		3.460
	Slab patta	4	3.76	0.150		2.256
	Chajja	2	3.46	0.60		4.152
		2	1.50	0.60		1.800
	deductions door	1/2x1	1.00	2.10		-1.050
	Windows	1/2x1	1.20	0.90		-0.540
	12 mm plaster					245.295
7	Item No. 7 Tiles of 30cm x 30cm	1	5.6	8.86		49.616
7	Item No. 7 :- Providing and applying two coats of Exterior Emulsion paint of approved colour.					245.295
	Total Quantity					245.295
8	Item No.8 :- Providing and fixing steel door without 18 guage m.s. sheet door with frame work 40 x 40 x 6 mm M.S Angle including locking arrangement etc comp.	2.00	1.00		2.10	2.100
9	Item No.9 :- Providing and fixing steel window of various sizes etc comp.	6.0	0.90		1.20	6.480
10	Item No. 10 :-					

Sr. No.	Item of work	Nos.	length	Breadth	Height	Qty.
	Providing and fixing in position for steel bar reinforcement for various dia etc comp. Rein @ 100kg /Cum Qty Of Concrete		17.752			1.775
11	Item No. 11 :- Filling in plinth and floors/trenches with Contractor murum for bedding in 15 cm to 20 cm layer including watering and compaction etc comp.	1	5.06	8.86	0.95	42.590
12	Item No. 12 :- Providing & fixing electrical fixtures to the switch room etc. complete.	job				LS
13	Item No. 13 :- Providing and fixing in position M.S. ladder of 0.50 m wide etc comp.	1	1.75			1.750
14	Item No. 14 :- Providing and erecting M.S. angle for electrical wire fitting including all accessories etc comp. angle 50 x 50 x 6 mm etc comp.	1	6.75			6.750

Estimate prepared by :- *Shubham*
En. Shubham Sakure
Civil Engrg

ESTIMATE FOR THE CONSTRUCTION SHED 1

ABSTRACT SHEET


Sr.	Item of Work	No.	Length	Breadth	H/D	Total Qty. Cum	Rates	Amount
1	Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m. beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, rammimg, watering including shoring and strutting etc. complete. (Lift upto 1.5 m.) By Mechanical Means PWD CSR 2020-2021 Pg. No. 148 Sr. No. 714	6	1.2	1.2	1.75	15.12	193.5	2925.72
2	Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, Steel centering, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) PWD CSR 2020-2021 Pg. No. 169 Sr. No. 820	6	1.1	1.1	0.1	0.73	7884.21	5723.94

3	<p>Providing and laying in situ /Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, Steel centering formwork, laying/pumping cover blocks, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) PWD CSR 2020-2021 Pg. No. 172 Sr. No. 829</p>						
	1) For R.C.C. Footing M-150 Trapezoidal = $6 \times (0.3/2) \times [(0.90 \times 0.90 + 0.30 \times 0.30) / 2] = 0.405$	0.405	1.1	1.1	0.15	0.07	
	2) For R.C.C. Footing M-150 Rectangular	6	1.1	1.1	0.15	1.09	
	3) For R.C.C Column M-150	4	0.45	0.45	3	2.43	
		2	0.45	0.45	3.3	1.34	
	4) For R.C.C. Beam M-150						
	a) Beam At P.L.	2	6.09	0.45	0.45	2.47	
		2	18.29	0.45	0.45	7.41	
	b) Beam At Above Door Level	2	6.09	0.45	0.45	2.47	
				Total		17.27	130972.88

4	Providing and fixing in position for steel bar reinforcement for various dia. Etc comp. Rein @ 100 kg/Cum Qty of Concrte	100/17.07 = 5.85			0.59	79855 MT	47114.45
5	Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in foundations and plinth of inner walls/ in plinth external walls including bailing out water manually , striking joints on unexposed faces, raking out joints on exposed faces and watering etc. Complete. PWD CSR 2020-2021 Pg. No. 189 Sr. No. 882						
	1) Short Wall	2	6.069	0.23	3.15	8.79	
	1) Short Wall	2	6.069	0.23	3.15	8.79	
				Total	7885	17.59	138681.08
6	Providing internal cement plaster 6 mm thick in a single coat in cement mortar 1:4 without neeru finish to concrete surface in all positions including scaffolding and curing etc. complete. PWD CSR 2020-2021 Pg. No. 201 Sr. No. 948						
	1) Short Wall	4	6.069		3.15	76.47	
	1) Short Wall	4	6.069		3.15	76.47	
				Total	290	152.94	44352.25

7	Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, Steel centering, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) PWD CSR 2020-2021 Pg. No. 169 Sr. No. 820	1	6.09	18.29	0.1	0.61	7985.55	4863.20
8	Providing and laying Rough Shahabad Stone Flooring 25mm to 30mm thick and of required width in plain/ diamond pattern on a bed of 1:6 C.M. including cement float, striking joints, pointing in cement mortar 1:3 curing and cleaning etc. complete. PWD CSR 2020-2021 Pg. No. 205 Sr. No. 981	1	6.09	18.29	0.1	0.61	897.33	546.47
9	Providing structural steel work in single composed of RSJ Channel							
	ISLB 100 X 50	3	6.09	13.9	Kg/m	253.95		
	ISLB 100 X 50	2	18.29	13.9	Kg/m	508.46		
	ISMB 250 X125	1	18.29	37.3	Kg/m	682.22	MT	
				Total		1444.63		
						1.45	79855	115494.29

10	Providing and fixing 50 mm. dia. medium class G.I.pipe gate with wicket gate of approved drawing with all fixtures and fittings in two leaves with strong hold fast embedded in c.c. block at top and bottom with locking arrangement including cutting, bending, making holes and with one coat of primer etc. complete. PWD CSR 2020-2021 Pg. No. 167 Sr. No. 813	6				No	6587.11	39522.66
11	Providing and fixing 6.00 mm thick ISI mark Asbestos Cement Corrugated sheet roofing including galvanised iron 'J' or 'L' hook bolts galvanised iron band bituminous G.I. washers, galvanised iron clamps, bolts, nuts and scaffolding etc. complete.PWD CSR 2020-2021 Pg. No. 224 Sr. No. 1139	1	7	18.29			487.11	62364.69
12	Providing and fixing 18 guage M.S. sheet door 40x40x6 mm M.S. angle	2.1				sqm	1978	4153.80
TOTAL =								596715.43
ADD 12% GST AMOUNT. =								71605.85
ADD 7% FOR PLUBING WORK =								41770.08
ADD 7% FOR ELECTRICAL WORK =								41770.08
TOTAL ESTIMATED =								751861.44


Er. Shubham Sakure
 Civil Engg

ESTIMATE FOR THE CONSTRUCTION SHED 2

ABSTRACT SHEET

Sr.	Item of Work	No.	Length	Breadth	H/D	Total Qty. Cum	Rates	Amount
1	Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m. beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.5 m.) By Mechanical Means PWD CSR 2020-2021 Pg. No. 148 Sr. No. 714	6	1.2	1.2	1.75	15.12	193.5	2925.72
2	Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, Steel centering, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) PWD CSR 2020-2021 Pg. No. 169 Sr. No. 820	6	1.1	1.1	0.1	0.73	7884.21	5723.94

3	<p>Providing and laying in situ /Ready Mix cement concrete M-20 of trap / granite / quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, Steel centering formwork, laying/pumping cover blocks, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) PWD CSR 2020-2021 Pg. No. 172 Sr. No. 829</p>	0.405	1.1	1.1	0.15	0.07	
		6	1.1	1.1	0.15	1.09	
		4	0.45	0.45	3	2.43	
		2	0.45	0.45	3.3	1.34	
		2	6.09	0.45	0.45	2.47	
		2	18.29	0.45	0.45	7.41	
		2	6.09	0.45	0.45	2.47	
				Total		17.27	7584.12
							130972.88

	4 Providing and fixing in position for steel bar reinforcement for various dia. Etc comp. Rein @ 100 kg/Cum Qty of Concrte	100/17.07 = 5.85			0.59	79855 MT	47114.45
5	Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in foundations and plinth of inner walls/ in plinth external walls including bailing out water manually , striking joints on unexposed faces, raking out joints on exposed faces and watering etc. Complete. PWD CSR 2020-2021 Pg. No. 189 Sr. No. 882						
	1) Short Wall	2	6.069	0.23	8.79		
	1) Short Wall	2	6.069	0.23	8.79		
				Total	17.59	7885	138681.08
	6) Providing internal cement plaster 6 mm thick in a single coat in cement mortar 1:4 without neeru finish to concrete surface in all positions including scaffolding and curing etc. complete. PWD CSR 2020-2021 Pg. No. 201 Sr. No. 948						
	1) Short Wall	4	6.069	3.15	76.47		
	1) Short Wall	4	6.069	3.15	76.47		
				Total	152.94	290	44352.25

7	Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, Steel centering, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) PWD CSR 2020-2021 Pg. No. 169 Sr. No. 820	1	6.09	18.29	0.1	0.61	7985.55	4863.20
8	Providing and laying Rough Shahabad Stone Flooring 25mm to 30mm thick and of required width in plain/ diamond pattern on a bed of 1:6 C.M. including cement float, striking joints, pointing in cement mortar 1:3 curing and cleaning etc. complete. PWD CSR 2020-2021 Pg. No. 205 Sr. No. 981	1	6.09	18.29	0.1	0.61	897.33	546.47
9	Providing structural steel work in single composed of RSJ Channel							
	ISLB 100 X 50	3	6.09	13.9	Kg/m	253.95		
	ISLB 100 X 50	2	18.29	13.9	Kg/m	508.46		
	ISMB 250 X125	1	18.29	37.3	Kg/m	682.22	MT	
				Total		1444.63		
						1.45	79855	115494.29

10	Providing and fixing 50 mm. dia. medium class G.I.pipe gate with wicket gate of approved drawing with all fixtures and fittings in two leaves with strong hold fast embedded in c.c. block at top and bottom with locking arrangement including cutting, bending, making holes and with one coat of primer etc. complete. PWD CSR 2020-2021 Pg. No. 167 Sr. No. 813	6				No	6587.11	39522.66
11	Providing and fixing 6.00 mm thick ISI mark Asbestos Cement Corrugated sheet roofing including galvanised iron 'J' or 'L' hook bolts galvanised iron band bituminous G.I. washers, galvanised iron clamps, bolts, nuts and scaffolding etc. complete.PWD CSR 2020-2021 Pg. No. 224 Sr. No. 1139	1	7	18.29			487.11	62364.69
12	Providing and fixing 18 guage M.S. sheet door 40x40x6 mm M.S. angle	2.1				sqm	1978	4153.80
TOTAL. =								596715.43
ADD 12% GST AMOUNT. =								71605.85
ADD 7% FOR PLUBING WORK =								41770.08
ADD 7% FOR ELECTRICAL WORK =								41770.08
TOTAL ESTIMATED =								751861.44

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