

OFFICE OF THE JOINT DIRECTOR C.G. STATE AGRICULTURAL MARKETING BOARD BILASPUR (C.G.)
TAIL'S ESTIMATE FOR REPAIRING WORK OF BOUNDARY WALL & CONSTRUCTION
OF BOUNDARY WALL AT MANDI YARD -
SAKTI, K.U.M.S. - SAKTI, DISTRICT-SAKTI (C.G.)

SCHEDULE OF RATES FOLLOWS :

C.G.P.W.D. BUILDING WORKS S.O.R. WITH EFFECT FROM DATE 01.01.2015

S.No.	Particulars Item of work	No.	Measuments			Quantity	Unit	Rate	Unit	Amount
			L.	B.	H./D.					
[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[09]	[10]	[11]
[01]	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. In all types of soils.									
	As per S.O.R. Item No. 1.1.1, Page No.9									
	Column Foundation	6	1.50	1.50	1.50	20.25	Cum	185.00	/Cum	3746.00
[02]	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).									
	As per S.O.R. Item No. 3.1.3, Page No.23									
	Column Foundation	6	1.50	1.50	0.15	2.03	Cum	2970.00	/Cum	6029.00
[03]	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).									
	As per S.O.R. Item No. 3.2.1, Page No.23									
	Column Footing	6	1.20	1.20	0.30	2.59	Cum			
		6	0.60	0.60	0.20	0.43	Cum			
	Column upto G.B.L.	6	0.20	0.30	1.05	0.38	Cum			
	Ground Beam	1	13.70	0.30	0.30	1.23	Cum			
	Column above G.B..	6	0.20	0.30	1.50	0.54	Cum			
	Top Beam	1	13.70	0.30	0.15	0.62	Cum			
						Total	5.79	Cum	4163.00	/Cum 24104.00
[04]	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete: Thermo-Mechanically treated bars FE 415									

Er.S.K.Sidar A.E. Mandi Board

Particulars Item of work	No.	Measurments			Quantity	Unit	Rate	Unit	Amount
		L.	B.	H./D.					
[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]
As per S.O.R. Item No. 3.12.1, Page No.24									
Qty.taken From Item No.3		1x5.79M ³ x100.00Kg/ M ³			579.00	Kg	54.50	/Kg	31555.00
[05] Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:									
(a) Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.									
As per S.O.R. Item No. 2.1.1, Page No.16									
Column Footing	6x4	1.20	-	0.30	8.64	Sqm			
	6x4	0.60	-	0.20	2.88	Sqm			
Ground Beam	1x2	13.70	-	0.30	8.22	Sqm			
	2x1	0.30	-	0.30	0.18	Sqm			
Column upto G.B.L.	6x2	(0.20+0.30)		1.05	6.30	Sqm			
				Total	26.22	Sqm	139.00	/Sqm	3644.00
(b) Columns, Pillars, Piers and likes-rectangular or square in shape									
As per S.O.R. Item No. 2.1.5, Page No.16									
Column above G.B.	6x2	(0.20+0.30)		1.50	9.00	Sqm	297.00	/Sqm	2673.00
(c) Beams, lintels, cantilevers & walls									
As per S.O.R. Item No. 2.1.8, Page No.16									
Top Beam	1x2	13.70	-	0.15	4.11	Sqm			
	5x2	2.50	0.05	-	1.25	Sqm			
	2x1	0.30	-	0.15	0.09	Sqm			
				Total	5.45	Sqm	202.00	/Sqm	1101.00
[06] Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.									
As per S.O.R. Item No. 1.18, Page No.11									
Back Filling of Foundation									
Total Qty. of Excavation	1	-	-	-	20.25	Cum			
Deduction of Qty. P.C.C.	1	-	-	-	-2.03	Cum			
Deduction of Qty. R.C.C.	1	-	-	-	-3.40	Cum			
				Total	14.82	Cum	371.00	/Cum	5498.00
[07] Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in : Cement Mortar 1:6 (1 cement : 6 coarse sand)									
As per S.O.R. Item No. 7.5.4, Page No. 45									

Particulars Item of work	No.	Measurements			Quantity	Unit	Rate	Unit	Amount
		L.	B.	H./D.					
[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]
Below Ground Beam	5x1	2.50	0.30	0.20	0.75	Cum			
Above Ground Beam	5x1	2.50	0.20	1.50	3.75	Cum			
				Total	4.50	Cum	3263.00	/Cum	14683.00
[08] Providing and making 6mm thick cement plaster of mix: In Cement mortar 1:4 (1 cement : 4 fine sand).									
As per S.O.R. Item No. 11.1.2, Page No.103									
Ground Beam	1x2	13.70	-	0.30	8.22	Sqm			
Column	6x2	(0.20+0.30)		1.50	9.00	Sqm			
	5x2	0.20	-	1.50	-3.00	Sqm			
Top Beam	1x2	13.70	-	0.15	4.11	Sqm			
	5x2x2	2.50	0.05	-	2.50	Sqm			
	1x1	13.70	0.30	-	4.11	Sqm			
				Total	24.94	Sqm	87.00	/Sqm	2170.00
[09] Providing and making 12mm thick cement plaster of mix: In Cement Mortar 1:5 (1 cement : 5 fine sand).									
As per S.O.R. Item No. 11.2.3, Page No.103									
Boundary wall	5x1	2.50	-	1.50	18.75	Sqm			
	1x1	13.70	-	0.20	2.74	Sqm			
				Total	21.49	Sqm	96.50	/Sqm	2074.00
[10] Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix: In Cement Mortar 1:5 (1 cement : 5 fine sand)									
As per S.O.R. Item No. 11.3.3, Page No.103									
Boundary wall	5x1	2.50	-	1.50	18.75	Sqm			
	1x1	13.70	-	0.20	2.74	Sqm			
				Total	21.49	Sqm	113.00	/Sqm	2428.00
[11] Painting exterior surface with PREMIUM ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning washing of surface etc.complete with: On new work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)									
As per S.O.R. Item No.14.16.1, Page No.133									
6 mm thick plaster area	1	24.94	Sqm	-	24.94	Sqm			
12 mm thick plaster area	1	21.49	Sqm	-	21.49	Sqm			
15 mm thick plaster area	1	21.49	Sqm	-	21.49	Sqm			
				Total	67.92	Sqm	74.50	/Sqm	5060.00
Cost of Boundary wall 13.70 Meter Length Rs									104765.00
Cost of Boundary wall 1.00 Meter Length Rs									7647.00
Hence Cost of Boundary wall 300.00 Meter Length Rs									2294100.00

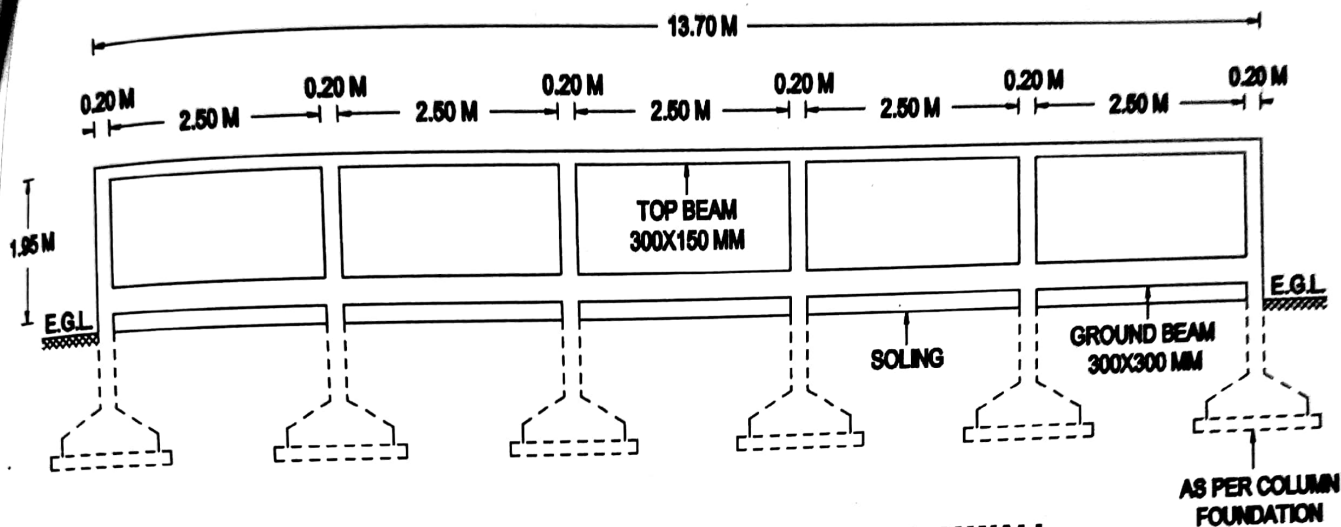
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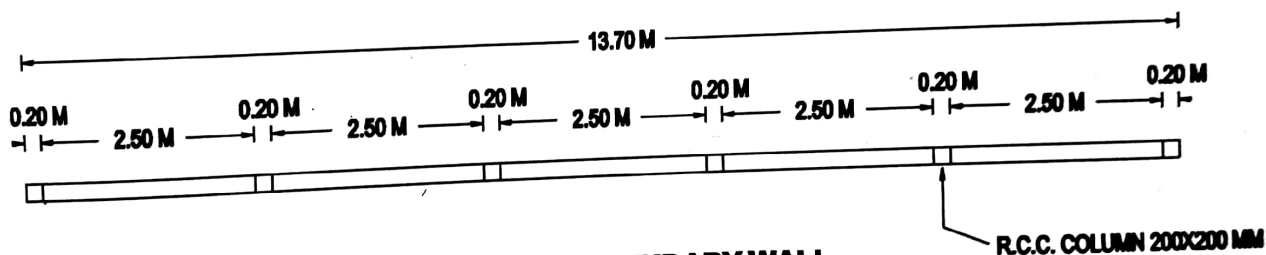
Particulars Item of work	No.	Measurements			Quantity	Unit	Rate	Unit	Amount
		L.	B.	H./D.					
[2]	[3]	[4]	[5]	[6]	[7]	[8]	[09]	[10]	[11]
	Add for Dismantalling work of Damage Boundary wall Rs								75000.00
	Total Rs								2369100.00
	Add for 3% for Contingency Charge Rs								71073.00
	Total Rs								2440173.00
	Say RS								2440000.00
(RUPEES : TWENTY FOUR LAKHS FOURTY THOUSAND ONLY)									

**SUB ENGINEER
C.G.STATE AGRICULTURAL
MARKETING BOARD BILASPUR
DISTT. - SAKTI (C.G.)**

तकनीकी स्वीकृति
कार्य का नाम ..संडी प्रागण... निर्मित आउट्री का मरम्मत एवं
अनु. क्रमांक222..... दिनांक ..10-03-25 आउट्री वल निर्माण कार्य ,
रुपये ..24.40. शब्दों में ..चौबीस लाख आठ सौ हजार मात्र
प्रदाय की जाती हैं ।



ELEVATION & SECTION OF BOUNDARY WALL



PLAN OF BOUNDARY WALL

OFFICE OF THE JOINT DIRECTOR C.G. STATE AGRICULTURAL MARKETING (MANDI) BOARD, DIVISION BILASPUR

PROPOSED DRAWING FOR BOUNDARY WALL AT MANDI YARD - SAKTI, A.P.M.C. AREA - SAKTI, DISTT. - SAKTI (C.G.)

Drawing By :- Er. Shiv Kumar Sider
Checked By :- Er. Shiv Kumar Sider
Date :- 20.02.2025

SUB ENGINEER

ASSISTANT ENGINEER

EXECUTIVE ENGINEER

OFFICE OF THE JOINT DIRECTOR C.G. STATE AGRICULTURE MARKETING (MANDI) BOARD- BILASPUR
DETAILED ESTIMATE FOR CONSTRUCTION OF CEMENT CONCRETE ROAD IN FRONT OF EXISTING
GODOWN, AT-MAIN MANDI YARD- SAKTI, A.P.M.C.- SAKTI, DISTT.- SAKTI (C.G.)

S.O.R. - E.- IN- C. C.G. P.W.D. ROAD WORKS W.E.F. 01.01.2025

DETAILED ESTIMATE & ABSTRACT									
S.N.	PARTICULAR OF ITEMS	No	LENGTH	WIDTH	D/H	QUANTITY	UNIT	RATE	AMOUNT
1	2	3	4	5	6	7	8	9	10
1	Excavation in Soil (by Mechanical Means.) Excavation for roadway in soil using mechanical means including loading in tipper for carrying of cut earth to embankment site and unloading with all leads & lifts as per relevant clauses of section 300. As per SOR Item No. 3.2 page 11								
		1	100.00	20.00	0.45	900.00			
			Total			900.00	cum	103.00	92700.00
2	Granular Sub-base as per Table:- 400-1 Construction of granular sub-base by providing graded Material, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface watering, rolling and compacting with vibratory power roller at OMC to achieve the desired density, complete as per clause 401. Plant mix method (with Mechanically crushed stone only) For Lower Sub-base with Grading-VI Material As per SOR Item No. 4.1 b(ii) page 17								
		1	100.00	19.40	0.20	388.00			
			Total			388.00	cum	1536.00	595968.00
3	Dry Lean Cement Concrete Sub- base Construction of dry lean cement concrete Sub-base as per IRC:SP-49 over a prepared sub-grade with coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 26.5 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per table 600-1, cement content not to be less than 150 kg/cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing as per clause 601. As per SOR Item No. 6.1 page 32								
		1	100.00	19.30	0.10	193.00	cum	2562.00	494466.00

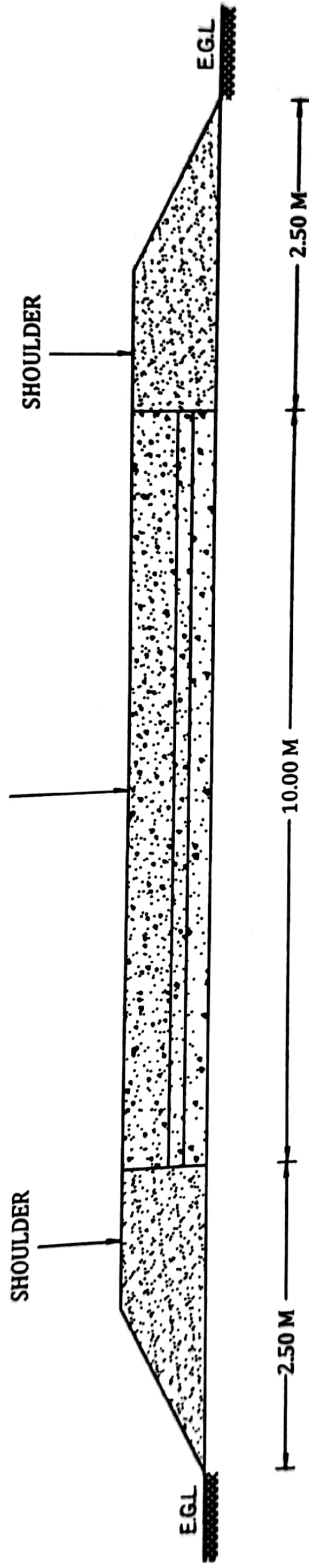
OFFICE OF THE JOINT DIRECTOR C.G. STATE AGRICULTURAL MARKETING BOARD DIVISION-BILASPUR
DETAILS ESTIMATE FOR PROPOSED C.C.ROAD AT SUB MANDI YARD - BARADWAR,
A.P.M.C. - SAKTI, DISTRICT - SAKTI (C.G.)

SCHEDULE OF RATES FOLLOWS :

C.G.P.W.D. ROAD WORKS S.O.R. WITH EFFECT FROM DATE 01.01.2025

S.No.	Particulars Item of work	No.	Measurements			Quantity	Unit	Rate	Unit	Amount
			L.	B.	H./D.					
[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]
[01]	Excavation in Soil (by Mechanical Means.) Excavation for roadway in soil using mechanical means including loading in tipper for carrying of cut earth to embankment site and unloading with all leads & lifts as per relevant clauses of section 300.									
	S.O.R. Item No. 3.2(II), Page No. 11	1	160.00	20.00	0.20	640.00	Cum			
		1	170.00	8.00	0.20	272.00	Cum			
					Total	912.00	Cum	103.00	/Cum	93936.00
[02]	Granular Sub-base as per Table:- 400-1 Construction of granular sub-base by providing graded Material, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface watering, rolling and compacting with vibratory power roller at OMC to achieve the desired density, complete as per clause 401.									
	Plant mix method (with Mechanically crushed stone									
	For Lower Sub-base with									
	Grading-VI Material									
	S.O.R. Item No. 4.1 A (b) (II), Page No. 15	1	160.00	20.00	0.20	640.00	Cum			
		1	170.00	8.00	0.20	272.00	Cum			
					Total	912.00	Cum	1536.00	/Cum	1400832.00
[03]	Dry Lean Cement Concrete Sub- base Construction of dry lean cement concrete Sub-base as per IRC:SP-49 over a prepared sub-grade with coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 26.5 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per table 600-1, cement content not to be less than 150 kg/cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing as per clause 601.									
	S.O.R. Item No. 6.1, Page No. 32	1	160.00	20.00	0.10	320.00	Cum			
		1	140.00	8.00	0.10	112.00	Cum			
		1	50.00	8.00	0.10	40.00	Cum			
					Total	472.00	Cum	2562.00	/Cum	1209264.00

250 MM THICK P.C.C. MIX GRADE M30
100 MM THICK D.L.C.
200 MM THICK G.S.B.



CROSS SECTION OF CEMENT CONCRETE ROAD

OFFICE OF THE JOINT DIRECTOR C.G. STATE AGRICULTURAL MARKETING (MANDI) BOARD, DIVISION BILASPUR

SUB ENGINEER

ASSISTANT ENGINEER

EXECUTIVE ENGINEER

[Signature]
21/5/2025