

BOOKLET OF ESTIMATE.

Construction Of Bazar Otta

Name of work :- Construction Of Bazar Otta At _____ Tq.Ashti Dist.Beed.
UNDER :- M.G.N.R.E.G.A 2021-22

GENERAL ABSTRACT

SR.No.	Particular	Total Cost Of Work	Unskilled Amount	Skilled Amount	Skilled Portion Under (15 th F.C)	Skilled Portion Under MGNAREG A
1	Const.Of Bazar Otta	150000	43000	107000	25000	82000
		Ratio	28.50%	71.50%	17%	54.50%

Deputy Engineer
Z.P. (Work) Sub div.Ashti

**Name of work :- Construction Of Bazar Otta At_____ Tq.Ashti
Dist.Beed.**

UNDER :- M.G.N.R.E.G.A 2021-22

GENERAL REPORT

Construction Of Bazar Otta At_____ Tq.Ashti Dist.Beed. (G.P LEVEL) .
M.G.N.R.E.G.A 2021-22

Excavation for foundation in earth. Soils of all types sand, gravel and soft murum including removing the excavated material

Excavation for foundation in earth. Hard Murum including removing the excavated material upto a distance of 50 m.

Providing and laying in situ Cement concrete M-10 / 1:3:6 of trap / granite / quartzite / gneiss metal for foundation and bedding

Providing and laying in situ cement concrete M-20 of trap / granite / quartzite / gneiss metal for reinforced cement concrete work in foundation

Providing and laying in situ cement concrete M-20 of trap / granite / quartzite / gneiss metal for reinforced cement concrete columns

roviding and casting in situ cement concrete M-20 of trap / granite / quartzite / gneiss metal for reinforced cement concrete beams and lintels

Providing second class Burnt Brick masonry with conventional / Indian standard type bricks in cement mortar 1:6 in foundation and plinth of inner walls / in plinth of external walls

Providing and Filling in pith and floors with contractor's soil, sand or murum in 15 cm

Providing and casting in situ cement concrete M-20 of trap / granite / quartzite / gneiss metal for reinforced cement concrete slabs and landing

Providing and casting in situ cement concrete M-20 of trap / granite / quartzite / gneiss metal for reinforced cement concrete chajja

Providing and fixing in position _____ reinforcement of various diameters for reinforcement concrete pile caps,

Providing and fixing in position Mild Steel reinforcement of various diameters for reinforcement concrete

Providing Second Class Burnt Brick masonry with conventional / Indian standard type bricks in cement mortar 1:6 in superstructure

Providing and fixing jungle wood frame 60 mm X 100 mm. for second class doors,

Providing and fixing in position P.V.C.Door shutters of standard size with P.V.C. shutters frame 59 mm. x 29 mm.

The rates are adopted as per PWD SSR 2021-2022 years.

Estimated cost Rs.1,31,000/-

Deputy Engineer
Z.P. (Work) Sub div.Ashti

Name of work :- Construction Of Bazar Otta At _____ Tq.Ashti Dist.Beed.

UNDER :- M.G.N.R.E.G.A 2021-22

GENERAL ABSTRACT

SR NO.	PARTICULARS	TOTAL COST	SKILLED AMT	UNSKILLED AMT
1	COST OF Bazar Otta	130,908.00	93520.00	37388.00
	GRAND TOTAL (A+B)RS.	130908.00	93520.00	37388.00

	MATERIAL : LABOUR RATIO	100%	71.44	28.56
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TOTAL 130,908.00

131000.00 Add For New SSR

Say 150000.00

Deputy Engineer
Z.P. (Work) Sub div.Ashti

Name of work :- Construction Of Bazar Otta At _____ Tq.Ashti Dist.Beed.							
UNDER :- M.G.N.R.E.G.A 2021-22							
<u>Abstract</u>							
Qty.	DESCRIPTION	Unit	Rate	Amount	U.S Rate	U.S.Amt	Skilled Amt
5.27	Item No. 1 Excavation for foundation in earth. Soils of all types including removing the excavated material upto a distance of 50 m. beyond the building area stacking and spreading as directed, preparing the bed for the foundation and necessary back filling, ramming, watering etc. It.no.21.02 P.No.153	CU.M	193.00	1017.00	109.00	574.00	443.00
3.51	Item No. 2 Excavation for foundation in Hard Murum including removing the excavated material upto a distance of 50 m. beyond the building area stacking and spreading as directed, preparing the bed for the foundation and necessary back filling, ramming, watering etc. It.no.21.06 P.No.153	CU.M	212.00	744.00	120.00	421.00	323.00
1.76	Item No. 3 Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/ grit, ramming, water ing etc. complete. It.No.21.40 P.No.157	CU.M	1,921.79	3382.00	412.00	723.00	2659.00
3.38	Item No. 4 Providing and laying Cast in situ/ Ready Mix cement concrete in M-10 of trap/ granite/ quar tzi te/ gneiss metal for foundation and bedding including bailing out water , formwork, laying/ pumping, compact ing, roughening them if special finish is to be provided, finishing if required and cur ing complete, with fully automatic micro processor based PLCwith SCADA enabled reversible Drum Type mixer / concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/ V.S.I. quality Artificial Sand It.No.24.01 P.No.176	CU.M	6,337.40	21420.00	1508.00	5090.00	16330.00

1.08	Item No. 5 Providing and laying Cast in situ/ Ready Mix cement concrete M-20 of trap / granite / quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including centering, formwork, cover blocks, laying/ pumping, compacting and roughening the surface if special finish is to be provided and curing etc. complete.(Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer / concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/ V.S.I. quality Artificial Sand (I.NO.25.50 , P.NO.186)	CU.M	12,254.10	13234.00	4777.00	5142.00	8092.00
0.21	Item No.10 Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pards, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete.It.no.26.33 p.no.236	MT	72,087.96	15138.00	11037.00	2344.00	12794.00
4.21	Item No.7 Providing second class Burnt Brick masonry with conventional/ I.S.type bricks incement mortar 1:6 in foundations and plinth of innerwalls/ in plinth external walls including bailing out water manually ,striking joints on unexposed faces, raking out joints on exposed faces and watering etc. Complete. It.no.27.01 P.no.254	Cum	8,145.97	34295.00	1499.00	6314.00	27981.00
1.76	Item No.8 Providing and laying Cast in situ/Ready Mix cement concrete in M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. pards of required thickness including centering, formwork, cover blocks, laying/pumping, compacting , curing , finishing and roughening them if special finish is to be provided and curing complete.(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/V.S.I. quality Artificial Sand It.No.26.17 P.No.194	Cum	15,468.05	27224.00	6917.00	12139.00	15085.00
13.58	Item No. 9 Filling in plinth and floors with contractors material/ brought from outside and approved by Engineer incharge in layers of 15 cm to 20cm including watering and compaction etc. complete.It.No.21.37 P.No.201	CU.M	740.30	10053.00	127.00	1725.00	8328.00

12.15	Item No. 10 Providing internal cement plaster 12mm thick in single coat in cement mortar 1:3 without neeru finish to concrete or brick surfaces, in all position including scaffolding and curing etc. complete It.No.32.05 P.No.260	SQ.M	289.26	3514.00	192.00	2333.00	1181.00
12.15	Item No.11 providing and applying two coats of water proof cement paint of approved colour spec. no.bd.o.8 Page No. 406 (page no.241 it no.35.14	Sqm	73.00	887.00	48.00	583.00	304.00
	Total Work Portion			130908.00		37388.00	93520.00
	Total Value of work Rs.			130,908.00		37388.00	93520.00

Deputy Engineer
Z.P. (Work) Sub div.Ashti

Name of work :- Construction Of Bazar Otta At _____ Tq.Ashti Dist.Beed.

UNDER :- M.G.N.R.E.G.A 2021-22

Measurement

Item No. 1 Excavation for foundation in earth. Soils of all types including removing the excavated material upto a distance of 50 m. beyond the building area stacking and spreading as directed, preparing the bed for the foundation and necessary back filling, ramming, watering etc. **It.no.21.02 P.No.187**

Bazar Otta

L/W	2	x	5.10	X	0.75	X	0.45	=	3.44
C/W	2	x	2.70	x	0.75	x	0.45	=	1.82
								5.27	Cum

Item No. 2 Excavation for foundation in Hard Murum including removing the excavated material upto a distance of 50 m. beyond the building area stacking and spreading as directed, preparing the bed for the foundation and necessary back filling, ramming, watering etc. **It.no.21.06 P.No.187**

Bazar Otta

L/W	2	X	5.10	X	0.75	X	0.30	=	2.30
C/W	2	x	2.70	x	0.75	x	0.30	=	1.22
								3.51	Cum

Item No. 3 Providing soling using 80 mm size t rap metal in 15 cm. layer including filling voids with Crushed sand/ grit , ramming, water ing etc. complete.**It.No.21.40 P.No.157**

Bazar Otta

L/W	2	x	5.10	X	0.75	X	0.15	=	1.15
C/W	2	x	2.70	x	0.75	x	0.15	=	0.61
									1.76 Cum

Item No. 4 Providing and laying Cast in si tu/ Ready Mix **cement concrete in M-10** of trap/ grani te/ quar tzi te/ gneiss metal for **foundat ion and bedding** including bai ling out water , formwork, laying/ pumping, compact ing, roughening them i f special finish is to be provided, finishing i f required and cur ing complete, wi th fully automat ic micro processor based PLCwi th SCADA enabled reversible Drum Type mixer / concrete Batch mix plant (Pan mixer) etc. complete. Wi th natural sand/ V.S.I. quali ty Ar t i ficial Sand **It.No.24.01**

P.No.176

Bazar Otta

L/W	2	X	5.10	X	0.75	X	0.15	=	1.15
C/W	2	x	2.70	x	0.75	x	0.15	=	0.61
Above Otta	1	x	4.50	x	3.60	x	0.10	=	1.62
3.38									Cum

Item No. 5 Providing and laying Cast in si tu/ Ready Mix **cement concrete M-20** oft rap / grani te / quar tzi te/ gneiss metal for **R.C.C. beams and lintels** asper detai led designs and drawings or as directed including center ing,formwork, cover blocks, laying/ pumping, compact ionand rougheningthe sur face i f special finish is to be provided and cur ing etc. complete.(Excluding reinforcement and st ructural steel). wi th fully automat icmicro processor based PLCwi th SCADA enabled reversible Drum Type mixer / concrete Batch mix plant (Pan mixer) etc. complete. Wi thnatural sand/ V.S.I. quali ty Ar t i ficial Sand **(I.NO.25.50 , P.NO.186)**

Beam

L/W	2	X	4.65	X	0.23	X	0.30	=	0.64
C/W	2	X	3.15	X	0.23	X	0.30	=	0.43
1.08									Cum

Item No.6 Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete. Itno.26.33 p.no.236

TMT	Qty Cum	Kg. / Cum		
beams	1.08	X 75.00	=	80.73
Pardi	1.76	X 75.00	=	131.63

$$= \boxed{0.21} \text{ M.T}$$

Item No.7 Providing second class Burnt Br ick masonry wi th convent ional/ I.S.type br icks incement mor tar 1:6 in foundat ions and plinth of innerwalls/ in plinth external walls including bai ling out water manually ,st r aking joints on unexposed faces, raking out joints on exposed facesand water ing etc.
Complete. It.no.27.01 P.no.254

Basement

L/W	2	X	4.95	X	0.60	X	0.450	=	2.67
C/W	2	X	2.85	X	0.60	X	0.450	=	1.54
								4.21	Cum

Item No.8 Providing and laying Cast in situ/Ready Mix cement concrete in M- 20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. pardi of required thickness including centering, formwork, cover blocks, laying/pumping, compacting , curing , finishing and roughening them if special finish is to be provided and curing complete.(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/V.S.I. quality Artificial Sand It.No.26.17 P.No.194

Plinth

L/W	2	X	4.50	X	0.15	X	0.750	=	1.01
C/W	2	X	3.30	X	0.15	X	0.750	=	0.74
								1.76	Cum

Item No. 9 Fi lling in plinth and floors wi th cont ractors mater ial/ brought fromoutside and approved by Engineer incharge in layers of 15 cm to 20cm including water ing and compact ion etc. complete.It.No.21.37 P.No.201

Otta	1	x	4.20	x	3.30	x	0.980	=	13.58
								13.58	Cum

Item No. 10 Providing internal cement plaster 12mm thick in single coat in cement mortar 1:3 without neeru finish to concrete or brick surfaces, in all position including scaffolding and curing etc. complete It.No.32.05 P.No.260

Outside

1	x	2	x	4.50	x	0.75	=	6.75
1	x	2	X	3.60	x	0.75	=	5.40
							12.15	sqm
							12.15	Cum

Item No.11 providing and applying two coats of water proof cement paint of approved colour spec. no.bd.o.8 Page No. 406 (page no.241 it no.35.14

Qty As Per It.No.

Total = **12.15** Sqm

Deputy Engineer
Z.P. (Work) Sub div.Ashti

Name of work :- Construction Of Bazar Otta At _____ Tq.Ashти Dist.Beed.

UNDER :- M.G.N.R.E.G.A 2021-22

RATE ANALYSIS

Item.No.1

Providing **soling using 80 mm size trap metal in 15 cm. layer** including filling voids with Crushed sand/ grit , ramming, water ing etc. complete. It.No.21.40 P.No.157

Rates As Per SSR 2021-22

Add lead for Metal	1.00	x	468.85	=	468.85	1322.00	Cum.
Add lead for Sand	0.15	x	762.97	=	114.45		
Add Diff.Cost for Sand	0.15	x	110.00	=	16.50		
					1921.79	Cum.	

Item No.2

Providing and laying Cast in si tu/ Ready Mix **cement concrete in M-10** of trap/ grani te/ quar tzi te/ gneiss metal **for foundation and bedding** including bai ling out water , formwork, laying/ pumping, compact ing, roughening them if special finish is to be provided, finishing i f required and cur ing complete, wi th fully automat ic micro processor based PLCwi th SCADA enabled reversible Drum Type mixer / concrete Batch mix plant (Pan mixer) etc. complete. Wi th natural sand/ V.S.I. quali ty Ar t i ficial Sand **It.No.24.01 P.No.226**

Rates As Per SSR 2021-22

Deduct For Non Scada				=	120	5538.00	
Add lead charges for cement	0.22	x	309.96	=	68.19		
Add lead charges for sand	0.47	x	762.97	=	358.60		
Add Diff.Cost Of Sand	0.47	x	110.00	=	51.70		
Add lead charges for 40mm metal	0.70	x	468.85	=	328.19		
Deduct Diff.Cost For 40mm Metal	0.70	x	5.00	=	3.50		
Add lead charges for 20mm metal	0.24	x	489.23	=	117.42		
Deduct Diff.Cost.Of 20 MM Metal	0.24	x	5.00	=	1.20		
					6337.40	Cum	

Item No.3

Providing and laying Cast in si tu/ Ready Mix **cement concrete M-20** oft rap / grani te / quar tzi te/ gneiss metal **for R.C.C. beams and lintels** asper detail ed designs and drawings or as directed including center ing,formwork, cover blocks, laying/ pumping, compact ionand rougheningthe sur face i f special finish is to be provided and cur ing etc. complete.(Excluding reinforcement and st ructural steel). wi th fully automat icmicro processor based PLCwi th SCADA enabled reversible Drum Type mixer / concrete Batch mix plant (Pan mixer) etc. complete. Wi thnatural sand/ V.S.I. quali ty Ar t i ficial Sand **(I.NO.25.50 , P.NO.234)**

Rates As Per SSR 2021-22					11483.00
Deduct For Non Scada			=	120	
Add lead charges for cement	0.35	x 309.96	=	108.49	
Add lead charges for sand	0.425	x 762.97	=	324.26	
Add Diff.Cost Of Sand	0.425	x 110.00	=	46.75	
Add lead charges for 20mm metal	0.57	x 489.23	=	278.86	
Deduct Diff.Cost.Of 20 MM Metal	0.57	x 5.00	=	2.85	
Add lead charges for 10/12mm metal	0.28	x 489.23	=	136.99	
Deduct Diff.Cost.Of 10/12 MM Metal	0.28	x 5.00	=	1.40	
				12254.10	Cum

Item No 4

Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as requir complete. **It no.26.33 p.no.245**

Rates As Per SSR 2021-22					71778.00
Add lead charges for steel	1.00	x 309.96	=	309.96	
				72087.96	Cum

Item No.5

Filling in plinth and floors wi th cont ractors mater ial/ brought fromoutside and approved by Engineer incharge in layers of 15 cm to 20cm including water ing and compact ion etc. complete.**It.No.21.37 P.No.201**

Rates As Per SSR 2021-22					550.00
Add lead charges for murum	1.00	x 185.30	=	185.30	
Add Diff Cost for murum	1.00	x 5.00	=	5.00	
				740.30	Cum

Item No.6

Providing second class Burnt Br ick masonry wi th convent ional/ I.S.type br icks incement mor tar 1:6 in foundat ions and plinth of innerwalls/ in plinth external walls including bai ling out water manually ,str iking joints on unexposed faces, raking out joints on exposed facesand water ing etc. Complete. It.no.27.01 P.no.254

Rates As Per SSR 2021-22					7343.00 cum
Add lead charges for cement	0.079	x 309.96	=	24.49	
Add lead charges for sand	0.32	x 762.97	=	244.15	
Add Diff.Cost Of Sand	0.320	x 110.00	=	35.20	
Add lead charges for Brick For 1 Cum	1.00	x 499.13	=	499.13	
				8145.97	cum

Item No.7

Providing internal cement plaster 12mm thick in single coat in cement mortar 1:3 without neeru finish to concrete or brick surfaces, in all position including scaffolding and complete.**It.No.32.05 .No.221**

Rates As Per SSR 2021-22 **274.00**

Add lead charges for cement	0.007	x	309.96	=	2.17
Add lead charges for sand	0.015	x	762.97	=	11.44
Add Diff.Cost Of Sand	0.015	x	110.00	=	1.65
					289.26 Cum

Item No.8

Providing and laying Cast in situ/Ready Mix **cement concrete in M-20** of trap/ granite/ quartzite/ gneiss metal **for R.C.C. pardi of required thickness** including centering, formwork, cover blocks, laying/pumping, compacting , curing , finishing and roughening them if special finish is to be provided and curing complete.(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/V.S.I. quality Artificial Sand **It.No.26.17 P.No.194**

As per DSR Rate 2021-2022 **14692.00**

Add lead charges for cement	0.35	x	309.96	=	108.49
Add lead charges for sand	0.425	x	762.97	=	324.26
Add Diff.Cost for sand	0.47	x	110.00	=	51.70
Add lead charges for 20mm metal	0.57	x	489.23	=	278.86
Deduct Diff.Cost for 20mm metal	0.57	x	5.00	=	2.85
Add lead charges for 10/12mm metal	0.28	x	489.23	=	136.99
Deduct Diff.Cost for 10/12mm metal	0.28	x	5.00	=	1.40
Deduct for Non SCADA				=	120.00
				Rs.	15468.05 Cum

Deputy Engineer
Z.P. (Work) Sub div.Ashti

Name of work :- Construction Of Bazar Otta At _____ Tq.Ashti Dist.Beed.

UNDER :- M.G.N.R.E.G.A 2021-22

Lead Chart

Sr.No	Material	Quarry	Lead in Kms	Lead Charges	Pay Load Factor	Net Lead Charges
1	40mm & 60 mm Metal	-----	25	2813.09	6.00	468.85
1	Metal Below 40mm	-----	25	2813.09	5.75	489.23
3	Sand	-----	50	4387.08	5.75	762.97
4	Murum	-----	2.5	1111.80	6.00	185.30
5	Steel	-----	20	3099.60	10.00	309.96
6	Cement	-----	20	3099.60	10.00	309.96
7	Brick	-----	20	3099.60	3.105	998.26

CERTIFICATE

1 Certified that no construction material is available at lesser distance than above shown leads.

2 Certified that good quality and sufficient quantity material available in shown quarry.

3 Certified that the distances shown above are verified by me and found correct.

प्रमाणपत्र

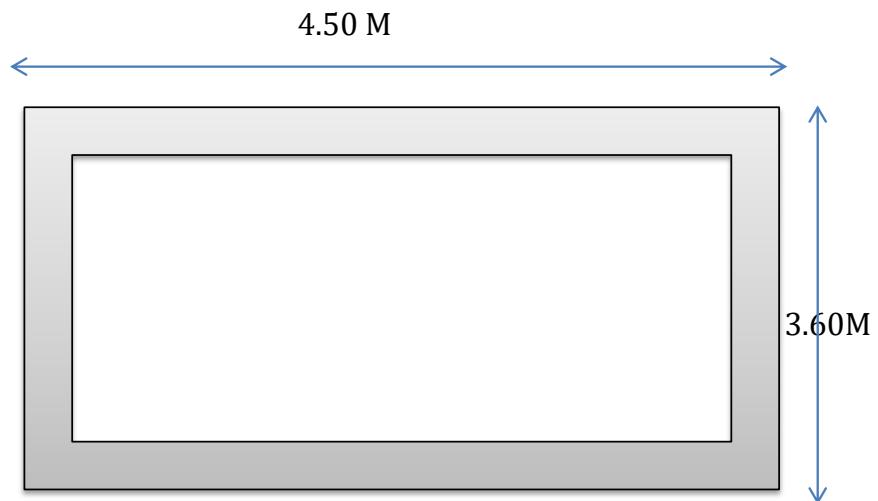
प्रमाणित करण्यात येते कि, अंदाजपत्रकात प्रस्तावित करण्यात आलेले काम इतर कोणत्याही योजनेतून झालेले नाही किवा प्रस्तावित करण्यात आलेले नाही.

करिता प्रमाणपत्र देण्यात येत आहे.

Deputy Engineer
Z.P. (Work) Sub div.Ashiti

**Name of work :- Construction Of Bazar Otta
At _____ Tq.Ashti Dist.Beed.**

UNDER :- M.G.N.R.E.G.A 2021-22



BAZAR OTTA

**Deputy Engineer
Z.P. (Work) Sub div.Ashti**