

BOOKLET OF ESTIMATE.

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

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

161000.00

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 MGNAREGA
1	Const.Of Bazar Otta	161020.00	40971.00	120049.00	24,258.00	95,793.00
		Ratio	25.44	74.56		
			%	%		

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

Providing 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 pinth 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.1,61,000/-

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	161,020.00	120049.00	40971.00
	GRAND TOTAL (A+B+C)RS.	161020.00	120049.00	40971.00

	MATERIAL : LABOUR RATIO	100%	74.56	25.44
			%	%

TOTAL 161,020.00

Say 161000.00

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									
Abstract (PART-A)									
	DESCRIPTION	Qty	Unit	Total Rate	Rate		Amount Of		Total Amount
					Unskilled	Skilled	Unskilled	Skilled	
	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	5.27	CU.M	207.00	207.00	-	1090.00	0.00	1090.00
	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	3.51	CU.M	227.00	227.00	-	797.00	0.00	797.00
	Item No. 3 Providing soling using 80 mm size t rap metal in 15 cm. layer including filling voids wi th Crushed sand/ gr i t , ramming, water ing etc. complete.It.No.21.40 P.No.157	1.76	CU.M	1,925.53	436.00	1,489.53	765.00	2614.00	3379.00
	Item No. 4 Providing and laying Cast in si tu/ Ready Mix cement concrete in M-10 of t rap/ 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 reversibile 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	3.38	CU.M	6,400.48	1616.00	4,784.48	5454.00	16148.00	21602.00

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)	1.08	CU.M	12,836.79	5085.00	7,751.79	5473.00	8344.00	13817.00
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, parapets, 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	0.21	MT	90,051.11	11762.00	78,289.11	2498.00	16625.00	19123.00
Item No.7 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 baling out water manually, striking joints on unexposed faces, raking out joints on exposed faces and water proofing etc. Complete. It.no.27.01 P.no.254	4.21	Cum	8,509.64	1588.00	6,921.64	6689.00	29154.00	35843.00
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	1.76	Cum	16,139.74	7338.00	8,801.74	12878.00	15447.00	28325.00
Item No. 9 Filling in plinth and floors with contractors material/ brought from outside and approved by Engineer in charge in layers of 15 cm to 20cm including watering and compacting etc. complete. It.No.21.37 P.No.201	13.58	CU.M	1,011.68	135.00	876.68	1834.00	11908.00	13742.00
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	12.15	SQ.M	299.24	204.00	95.24	2479.00	1157.00	3636.00

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	12.15	Sqm	78.00	50.00	28.00	608.00	340.00	948.00
Total Work Portion						40565.00	101737.00	142302.00
Item No.12 GST Charges 12%	12%						12208.00	12208.00
Item No.13 Labour Insurance 1%	1%					406.00	1017.00	1423.00
Item No.14 Testing Charges								
Compressive Strenght Of CC Cube	1.00		690.00				690.00	690.00
Item No.15 Royalty Charges								
A) Royalty Charges For Sand	4.58		237.37				1088.00	1088.00
B) Royalty Charges For Other Minerals	15.31		216.18				3309.00	3309.00
Total Value of work Rs.						40971.00	120049.00	161020.00

Part A) Labour Cost For MGNREGA Rs	40,971.00	Unskilled	29.96	30%
Part B) Material Cost For MGNREGA Rs.	95,793.00	Skilled	70.04	70%
	Total		136,764.00	
Part C) Material Cost For 15 Th F.C (G.P)			24,258.00	

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

Abstract (PART-B)

	DESCRIPTION	Qty	Unit	Total Rate	Rate		Amount Of		Total Amount
					Unskilled	Skilled	Unskilled	Skilled	
	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	5.27	CU.M	207.00	207.00	-		0.00	0.00
	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	3.51	CU.M	227.00	227.00	-		0.00	0.00
	Item No. 3 Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc. complete.It.No.21.40 P.No.157	1.76	CU.M	1,925.53	436.00	1,489.53		2614.00	2614.00
	Item No. 4 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, 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 natural sand/ V.S.I. quality Artificial Sand It.No.24.01 P.No.176	3.38	CU.M	6,400.48	1616.00	4,784.48		16148.00	16148.00

<p>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)</p>	1.08	CU.M	12,836.79	5085.00	7,751.79		8344.00	8344.00
<p>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, parapets, 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</p>	0.21	MT	90,051.11	11762.00	78,289.11		0.00	0.00
<p>Item No.7 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 baling out water manually, striking joints on unexposed faces, raking out joints on exposed faces and water ing etc. Complete. It.no.27.01 P.no.254</p>	4.21	Cum	8,509.64	1588.00	6,921.64		29154.00	29154.00
<p>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. parapets 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</p>	1.76	Cum	16,139.74	7338.00	8,801.74		15447.00	15447.00

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 compacting etc. complete. It.No.21.37 P.No.201	13.58	CUM	1,011.68	135.00	876.68		11908.00	11908.00
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 positions including scaffolding and curing etc. complete It.No.32.05 P.No.260	12.15	SQ.M	299.24	204.00	95.24		1157.00	1157.00
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	12.15	Sqm	78.00	50.00	28.00		0.00	0.00
Total Work Portion						0.00	84772.00	84772.00
Item No.12 GST Charges 12%	12%						10173.00	10173.00
Item No.13 Labour Insurance 1%	1%					0.00	848.00	848.00
Item No.14 Testing Charges								
Compressive Strength Of CC Cube	1.00		690.00				0.00	0.00
Item No.15 Royalty Charges								
A) Royalty Charges For Sand	4.58		237.37				0.00	0.00
B) Royalty Charges For Other Minerals	15.31		216.18				0.00	0.00
Total Value of work Rs.						0.00	95793.00	95793.00

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

Abstract (PART-C)

	DESCRIPTION	Qty	Unit	Total Rate	Rate		Amount Of		Total Amount
					Unskilled	Skilled	Unskilled	Skilled	
	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	5.27	CU.M	207.00	207.00	-	0.00	0.00	0.00
	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	3.51	CU.M	227.00	227.00	-	0.00	0.00	0.00
	Item No. 3 Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/ granite, ramming, watering etc. complete.It.No.21.40 P.No.157	1.76	CU.M	1,925.53	436.00	1,489.53	0.00	0.00	0.00
	Item No. 4 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, 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 natural sand/ V.S.I. quality Artificial Sand It.No.24.01 P.No.176	3.38	CU.M	6,400.48	1616.00	4,784.48	0.00	0.00	0.00

<p>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.N.O 25.50 P.No.186)</p>	1.08	CU.M	12,836.79	5085.00	7,751.79		0.00	0.00
<p>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, parapets, 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</p>	0.21	MT	90,051.11	11762.00	78,289.11		16625.00	16625.00
<p>Item No.7 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 binding 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</p>	4.21	Cum	8,509.64	1588.00	6,921.64		0.00	0.00
<p>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. part 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</p>	1.76	Cum	16,139.74	7338.00	8,801.74		0.00	0.00

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 compact ion etc. complete.It.No.21.37 P.No.201	13.58	CU.M	1,011.68	135.00	876.68		0.00	0.00
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	12.15	SQ.M	299.24	204.00	95.24		0.00	0.00
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	12.15	Sqm	78.00	50.00	28.00		340.00	340.00
Total Work Portion						0.00	16965.00	16965.00
Item No.12 GST Charges 12%	12%						2036.00	2036.00
Item No.13 Labour Insurance 1%	1%					0.00	170.00	170.00
Item No.14 Testing Charges								
Compressive Strenght Of CC Cube	1.00		690.00				690.00	690.00
Item No.15 Royalty Charges								
A) Royalty Charges For Sand	4.58		237.37				1088.00	1088.00
B) Royalty Charges For Other Minerals	15.31		216.18				3309.00	3309.00
Total Value of work Rs.							24258.00	24258.00
Add Contengencies								742.00
Total 15 Th F.C GP Level Amt								25000.00

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	
									<table border="1"><tr><td>5.27</td></tr></table> Cum	5.27
5.27										

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	
									<table border="1"><tr><td>3.51</td></tr></table> Cum	3.51
3.51										

Item No. 3 Providing soling using 80 mm size t rap metal in 15 cm. layer including filling voids wi th Crushed sand/ gr i t , 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	
									<table border="1"><tr><td>1.76</td></tr></table> Cum	1.76
1.76										

Item No. 4 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, 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 natural sand/ V.S.I. quality Artificial 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 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)**

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, pardi, 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

TMT	Qty Cum		Kg. / Cum		
beams	1.08	X	75.00	=	80.73
Pardi	1.76	X	75.00	=	131.63
					212.36
				=	0.212 M.T.
				=	0.21 M.T.

Item No.7 Providing second class Burnt Brick masonry with conventional/ I.S.type bricks cement mortar 1:6 in foundations and plinth of innerwalls/ in plinth external walls including baling 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

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 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 compacting etc. complete.It.No.21.37 P.No.201

Otta	1	x	4.20	x	3.30	x	0.980	=	13.58
									13.58
							Total	=	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
							Total	=	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
Item No.12	Add GST	=	12%	
Item No.13	Add Labour Insurance	=	1%	
Item No.14	Testing Charges Compressive Strenght Of CC Cube	=	1.00	Nos
Item No.15	Royalty Charges	=	4.58	Cum
	A) For Sand	=		
	B) For Minerals	=	15.31	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

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, watering etc. complete.It.No.21.40 P.No.157

Rates As Per SSR 2022-23				1454.00	Cum.
Add lead for Metal	1.00	x	393.44	=	393.44
Add lead for Sand	0.15	x	410.55	=	61.58
Add Diff.Cost for Sand	0.15	x	110.00	=	16.50
				1925.53	Cum.

Item No.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, 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 natural sand/ V.S.I. quality Artificial Sand **It.No.24.01 P.No.226**

Rates As Per SSR 2022-23				5830.00	
Deduct For Non Scada				=	120
Add lead charges for cement	0.22	x	348.11	=	76.58
Add lead charges for sand	0.47	x	410.55	=	192.96
Add Diff.Cost Of Sand	0.47	x	110.00	=	51.70
Add lead charges for 40mm metal	0.70	x	393.44	=	275.41
Deduct Diff.Cost For 40mm Metal	0.70	x	5.00	=	3.50
Add lead charges for 20mm metal	0.24	x	410.55	=	98.53
Deduct Diff.Cost.Of 20 MM Metal	0.24	x	5.00	=	1.20
				6400.48	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 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.234)**

Rates As Per SSR 2022-23				12269.00
Deduct For Non Scada			=	120
Add lead charges for cement	0.35	x	348.11	= 121.84
Add lead charges for sand	0.425	x	410.55	= 174.48
Add Diff.Cost Of Sand	0.425	x	110.00	= 46.75
Add lead charges for 20mm metal	0.57	x	410.55	= 234.01
Deduct Diff.Cost.Of 20 MM Metal	0.57	x	5.00	= 2.85
Add lead charges for 10/12mm metal	0.28	x	410.55	= 114.95
Deduct Diff.Cost.Of 10/12 MM Metal	0.28	x	5.00	= 1.40
				12836.79 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. **Itno.26.33 p.no.245**

Rates As Per SSR 2022-23				89703.00
Add lead charges for steel	1.00	x	348.11	= 348.11
				90051.11 Cum

Item No.5

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**

Rates As Per SSR 2022-23				795.00
Add lead charges for murum	1.00	x	211.68	= 211.68
Add Diff Cost for murum	1.00	x	5.00	= 5.00
				1011.68 Cum

Item No.6

Providing second class Burnt Brick masonry with conventional/ I.S.type bricks in cement mortar 1:6 in foundations and plinth of innerwalls/ in plinth external walls including baling out water manually, striking joints on unexposed faces, raking out joints on exposed faces and water ing etc. Complete. It.no.27.01 P.no.254

Rates As Per SSR 2022-23					7755.00	cum
Add lead charges for cement	0.079	x	348.11	=	27.50	
Add lead charges for sand	0.32	x	410.55	=	131.38	
Add Diff.Cost Of Sand	0.320	x	110.00	=	35.20	
Add lead charges for Brick For 1 Cum	1.00	x	560.56	=	560.56	
					8509.64	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 2022-23					289.00	
Add lead charges for cement	0.007	x	348.11	=	2.44	
Add lead charges for sand	0.015	x	410.55	=	6.16	
Add Diff.Cost Of Sand	0.015	x	110.00	=	1.65	
					299.24	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					15567.00	
Add lead charges for cement	0.35	x	348.11	=	121.84	
Add lead charges for sand	0.425	x	410.55	=	174.48	
Add Diff.Cost for sand	0.47	x	110.00	=	51.70	
Add lead charges for 20mm metal	0.57	x	410.55	=	234.01	
Deduct Diff.Cost for 20mm metal	0.57	x	5.00	=	2.85	
Add lead charges for 10/12mm metal	0.28	x	410.55	=	114.95	
Deduct Diff.Cost for 10/12mm metal	0.28	x	5.00	=	1.40	
Deduct for Non SCADA				=	120.00	
					Rs. 16139.74	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	-----	15	2360.66	6.00	393.44
1	Metal Below 40mm	-----	15	2360.66	5.75	410.55
3	Sand	-----	15	2360.66	5.75	410.55
4	Murum	-----	2.5	1270.05	6.00	211.68
5	Steel	-----	20	3481.08	10.00	348.11
6	Cement	-----	20	3481.08	10.00	348.11
7	Brick	-----	20	3481.08	3.105	1121.12

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

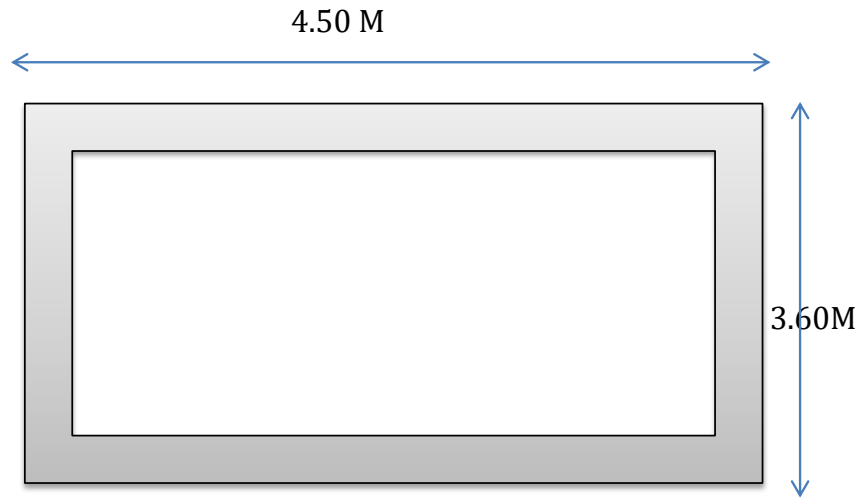
प्रमाणित करण्यात येते कि, अंदाजपत्रकात प्रस्तावित करण्यात आलेले काम इतर कोणत्याही योजनेतून झालेले नाही किंवा प्रस्तावित करण्यात आलेले नाही.

करिता प्रमाणपत्र देण्यात येत आहे.

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



BAZAR OTTA

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

Material Requirement As per THEROTICAL CONSUMPTION

Sr.no.	DESCRIPTION	As per Estimate			Cement		Metal				Sand		Steel		Murum		Brick		Unit
		Qty	Rate	Amount	Rate of Consumption	Total cement in bag	Rate of consumption in below 40mm stone	Total below 40mm stone	Rate of consumption in 40 mm & above stone	Total 40mm & above stone	Rate of consumption	Sand in cum	H.Y.S.D	Mild	Rate of consumption	Murum in cum	Rate of consumption	Total Brick in No.	
1	2	3	4	5	6	7	8	9	10	11	12	13							14
1	Item No. 3 Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/ granite, ramming, watering etc. complete.It.No.21.40 P.No.157	1.76	-	0.00					1.00	1.76	0.15	0.2633							
2	Item No. 4 Providing and laying Cast in situ/ Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including baling out water, 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 natural sand/ V.S.I. quality Artificial Sand It.No.24.01 P.No.176	3.38	-	0.00	4.40	14.85	0.24	0.81	0.70	2.36	0.47	1.5863							
5	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)	1.08	-	0.00	7.00	7.5348	0.85	0.91			0.425	0.4575							
9	Item No.7 Providing second class Burnt Brick masonry with conventional/ I.S.type bricks cement mortar 1:6 in foundations and plinth of innerwalls/ in plinth external walls including baling 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	4.21			1.58	6.65496					0.32	1.3478							
11	Item No. 9 Filling in plinth and floors with contractors material/ brought from outside and approved by Engineer in charge in layers of 15 cm to 20cm including watering and compacting etc. complete.It.No.21.37 P.No.201	13.58	-												1	13.583			
12	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	1.76			7.00	12.29					0.43	0.74588							
16	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	12.15			0.14	1.701					0.015	0.1823							
						43.02576		1.72		1.76		4.5829				13.583			

2.151288

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