

22
16 Aug

22/16/08/24
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ZILLA PARISHAD WORKS DIVISION NAGPUR

ZILLA PARISHAD WORKS SUB DIVISION MOUDA

DETAILED ESTIMATE

2024-25

NAME OF WORK

BEAUTIFICATION OF PREMISES AT SHRI CHHATRAPATI
SHIVAJI MAHARAJ STATUE AT KHASALA ,TALUKA :-
KAMPTEE

TALUKA

:-

KAMPTEE

ESTIMATED AMOUNT

Rs. 500,000.00

UNDER 2515 (1238) PROGRAMME

ESTIMATE

DIVISION :- Z. P. WORKS DIVISION , NAGPUR
SUB DIVISION :- Z.P.WORKS SUBDIVISION, MOUDA
SANCTIONED ESTIMATE NO : :-
FUND HEAD 2024-25
MAJOR HEAD UNDER 2515 (1238) PROGRAMME
SERVICE HEAD :-
DEPARTMENTAL HEAD :-

Estimate framed in the office of the Executive Engineer Zilla Parishad (works) Division, Nagpur for the probable expenses that will be incurred on the work of

BEAUTIFICATION OF PREMISES AT SHRI CHHATRAPATI SHIVAJI MAHARAJ STATUE AT
KHASALA ,TALUKA :- KAMPTEE

AMOUNTING TO :- Rs. 500,000.00
A / Approved under No :-
T / Sanctioned under No :-
Estimate prepared by :- D. P. Munishwar.AE-II
Estimate checked by :-
GENERAL DESCRIPTION

ATTACHED SEPERATELY



Sub Divisional Engineer
Z. P.(W) Sub.Dn.Mouda

GENERAL REPORT AND SPECIFICATION

- 1 NAME OF WORK : :- BEAUTIFICATION OF PREMISES AT SHRI CHHATRAPATI SHIVAJI MAHARAJ STATUE AT KHASALA ,TALUKA :- KAMPTEE
- 2 ESTIMATED COST :- Rs. 500,000.00
- 3 BUDJET PROVISION :- UNDER 2515 (1238) PROGRAMME
- 4 NECESSITY :- As per approved programme of Gram vikas panchayat Raj dept.vide GR no.develop-2024/p.k.168/part-6 scheme -6 on dated 16/08/2024 .Hence this estimate is preapred with following provisions
- 5 PROVISIONS :- Following provisions are made in the estimate
- 1 Excavation for foundation maximum depth 1.80 m. in all sorts of soil.
 - 2 Metal filling 80 mm 0.15 m. depth below footing if required as per the available strata.
 - 3 Base Concrete of C. C. 1:3:6 for column footing 0.10 m. Depth.
 - 4 Maximum size of column footing is taken as 0.90 m. x 0.90 m. & footing height 0.35 m. Size of column is proposed size 0.230 x 0.23 m.
 - 5 Plinth height 1.20 m.
 - 6 Fly ash brick masonry for foundation & super structure in cement mortar 1:6.
 - 7 Plinth level & slab level beams are proposed as per the loadings, at lintal level beams are proposed
 - 8 Stone Cladding for beautification
- 6 RATES & SPECIFICATIC :- Rates are adopted in this estimate as per S.S.R. for the year 2022-23 of P.W.Department for District of Maharashtra.W. E. F.25.07.2022
This work will be carried out as per standard specifications of Red Book and as per instructions given by engineer in charge from time to time.



Sub Divisional Engineer
Z. P.(W) Sub.Dn. Mouda

GENERAL ABSTRACT

NAME OF WORK:-

BEAUTIFICATION OF PREMISES AT SHRI CHHATRAPATI SHIVAJI MAHARAJ
STATUE AT KHASALA ,TALUKA :- KAMPTTEE

1	ESTIMATED AMOUNT	Rs.	413811.00
2	ADD 18.00 % FOR GST	Rs.	74436.00
3	ADD 0.5 % FOR LABOUR INSURANCE	Rs.	2069.00
4	ADD FOR ROYALTY CHARGES	Rs.	2850.00
5	ADD FOR TESTING CHARGES	Rs.	5840.00
6	ADD FOR CONTEGENCY CHARGES (LS)	Rs.	944.00
GRAND TOTAL		Rs.	500000.00
SAY		Rs.	500000.00



Sub Divisional Engineer
Z. P.(W) Sub.Dn.Mouda

T.S. No. 208/2515-1238/2024-25

Sanction For Rs. 500000/-

Five lakh only

Under Head. मी.प.स.भा./2024-25

Executive Engineer (W)
Zilla Parishad, Nannur

ABSTRACT

NAME OF WORK

BEAUTIFICATION OF PREMISES AT SHRI CHHATRAPATI SHIVAJI MAHARAJ STATUE AT
KHASALA ,TALUKA :- KAMPTEE

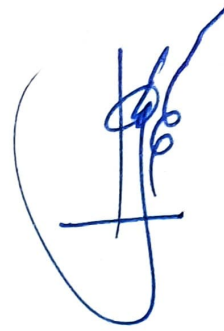
Sr.N o.	ITEM OF WORK	QUANTI TY	RATE	UNIT	AMOUNT
1	2	3	4	5	6
1	Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m. beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.5 m.)	21.60	207.00	Cumt	4471.60
2	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 from 1.5 m to 3.0 m.)	4.32	227.00	Cumt	981.00
3	Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc. complete.	3.14	2142.05	Cumt	6726.00
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	1.33	6554.69	Cumt	8718.00
5	Filling in plinth and floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15 cm to 20 cm including watering and compaction etc. complete.	5.24	599.00	Cumt	3139.00
6	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, 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 natural sand/V.S.I. quality Artificial Sand	4.20	7782.80	Cumt	32688.00
7	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening 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	1.04	14461.80	Cumt	15040.00

8	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, compaction 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/ VSI quality Artificial Sand	2.52	12947.80	Cumt	32628.00
9	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap/ granite / quartzite/ gneiss metal for R.C.C. slabs and landings as per detailed designs and drawings including centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening 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	2.17	14757.16	Cumt	32023.00
10	Providing and laying Cast in situ/Ready Mix cement concrete in M-20 of trap / granite/gneiss / quartzite metal for R.C.C. fins of required thickness in position as shown on the drawings or as directed by Engineer-in-charge including steel centering, plywood / steel formwork, steel props, laying/pumping, compaction, finishing uneven and honeycombed surface with C.M. 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement, including cover block) Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. 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)	0.81	14540.63	Cumt	11778.00
11	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.	0.77	89938.34	Mt	69253.00
12	Providing second class Fly ash 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	1.24	7894.14	Cumt	9789.00
13	Providing and Fixing Processed Stone Cladding on wall surface/ plywood surface. RCC pardi/ Wall and all type of Interior, Exterior Compound wall and Gate etc. of cladding processed stone with material of Processed clay, Wooden chips, Silica sand, Cement, GFRC admixtures, Colour pigments, Fiber up to thick of 230 mm/ 25 mm including scaffolding, fixing of screw.including carving & moulding polish, etc complete (As directed by Engineer in Charge)	21.70	8598.00	Sqm	186577.00
				TOTAL Rs.	413811.00

PART-A

14 Material Quality Control Testing Charges

C.C.Cube :-For Footing	1.00	690.00	1250	690.00
C.C.Cube :-For Columns	1.00	690.00	1250	690.00
C.C.Cube :-For Beams	1.00	690.00	1250	690.00
For Brick	1.00	2175.00	1250	2175.00
Natural stone	1.00	1595.00	1250	1595.00
PART-B		TOTAL Rs.		5840.00
PART A+B		TOTAL Rs.		419651.00



Sub Divisional Engineer
Z. P.(W) Sub.Dn. Mouda

MEASUREMENT

NAME OF WORK

BEAUTIFICATION OF PREMISES AT SHRI CHHATRAPATI SHIVAJI MAHARAJ STATUE AT
KHASALA, TALUKA :- KAMPTTEE

Sr. No.	ITEM OF WORK	NO	L	B	D	QTY	TOTAL QTY.	UNIT
	2	3	4	5	6		8	9
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 Column	10	1.20	1.20	1.50	21.60	21.60	Cum
2	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 Column	10	1.20	1.20	0.30	4.32	4.32	Cum
3	Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc. complete.	10	1.20	1.20	0.15	2.16		
	plinth	1	2.77	2.77	0.15	1.15		
	Less	-2	0.75	0.75	0.15	-0.17	3.14	Cum
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	10	1.20	1.20	0.10	1.44		
	Less	-2	0.75	0.75	0.10	-0.11	1.33	Cum
5	Filling in plinth and floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15 cm to 20 cm including watering and compaction etc. complete.	1	2.77	2.77	0.80	6.14		
	Less	-2	0.75	0.75	0.80	-0.90	5.24	Cum
6	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	10	0.90	0.90	0.35	2.84		
	plinth slab	1	3.83	3.83	0.10	1.47		
	Less	-2	0.75	0.75	0.10	-0.11	4.20	Cum
7	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including centering, formwork, cover	10	0.79	0.053	2.50	1.04	1.04	Cum
8	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	4	0.97	0.23	0.30	0.27		
	plinth beams	4	0.83	0.23	0.30	0.23		

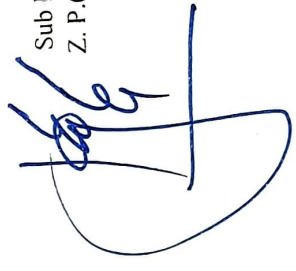
	4	2.77	0.23	0.30	0.76		
Slab beams	4	0.97	0.23	0.30	0.27		
	4	0.83	0.23	0.30	0.23		
	4	2.77	0.23	0.30	0.76		
						2.52	Cum
9 Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap/ granite / quartzite/ gneiss metal for R.C.C. slabs and landings as per detailed designs and drawings including centering, formwork, cover							
Slab	1	3.83	3.83	0.125	1.83		
less	-4	0.75	0.75	0.125	-0.28		
steps	1	2.40	1.20	0.150	0.43		
	7	1.20		0.023	0.19		
						2.17	Cum
10 Providing and laying Cast in situ/Ready Mix cement concrete in M-20 of trap / granite/gneiss / quartzite metal for R.C.C. fins of required thickness in position as shown on the drawings or as directed							
Fins	8	1.80	0.45	0.060	0.39		
	8	1.50	0.45	0.060	0.32		
	8	0.45	0.45	0.060	0.10		
						0.81	Cum
11 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, parris, copings, fins,							
For RCC Footing	4.20	x	50.00	210.00			
For RCC Column	1.04	x	95.00	98.80			
For RCC Beam	2.52	x	100.00	252.00			
For RCC slab	2.17	x	80.00	173.60			
For RCC Fins	0.81	x	50.00	40.50			
						774.90	Kg
						0.77	Mt
12 Providing second class Fly ash 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							
Plinth	4	0.97	0.23	0.75	0.67		
	4	0.83	0.23	0.75	0.57		
				Total	1.24		
						1.24	Cum
13 Providing and Fixing Processed Stone Cladding on wall surface/ plywood surface. RCC pardi/ Wall and all type of Interior, Exterior Compound wall and Gate etc. of cladding processed stone with material of Processed							
Column	8	0.92		2.50	18.40		
Plinth	4	2.75		0.30	3.30		
						21.70	Sqm
14 Material Quality Control Testing Charges							
C.C.Cube :-For Footing	1	4.20		1.00	1.00		Test
C.C.Cube :-For Columns	1	1.04		1.00	1.00		Test
C.C.Cube :-For Beams	1	2.52		1.00	1.00		Test
For Brick	1	1.24		1.00	1.00		Test
Natural stone	1	21.70		1.00	1.00		Test

Sub Divisional Engineer
Z. P.(W) Sub.Dn. Mouda

BEAUTIFICATION OF PREMISES AT SHRI CHHATRAPATI SHIVAJI MAHARAJ STATUE AT KHASALA TALUKA :- KAMPTEE

SR No	ITEM OF WORK	C.S.R.I. No.	C.S.R. RATE	MATERIAL	QTY	CARTING RATE	AMOUNT	CARTING AMOUNT	TOTAL RATE	UNIT
			4	5			8	9	10	11
1	Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to	21.02	207.00						207.00	Cumt
2	Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to	21.06	227.00						227.00	Cumt
3	Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming,	21.40	1454.00	Metal	1.000	632.25	632.25	688.05	2142.05	Cumt
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/pumpings, compacting, roughening them if special finish is to be provided,	Ded. Rs.126 for SCADA	5830.00	Metal	0.940	663.90	624.07			Cumt
5	Filling in plinth and floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15	Net Rate	5704.00	Cement	4.400	11.77	51.77	850.69	6554.69	Cumt
6	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	Ded. Rs.126 for SCADA	7104.00	Metal	0.850	663.90	564.32			Cumt
7	R.C.C. columns and steel stanchions etc. including bailing out Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including	Net Rate	6978.00	Cement	7.000	11.77	82.37	804.80	7782.80	Cumt
8	centering, formwork, cover blocks, laying/pumping, compaction 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	Ded. Rs.126 for SCADA	13783.00	Metal	0.850	663.90	564.32			Cumt
9	including centering, formwork, cover blocks, laying/pumping, Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap granite quartzite/ gneiss metal for R.C.C. slabs and landings as per detailed designs and drawings including	Net Rate	126.00	Sand	0.425	372.03	158.11	804.80	14461.80	Cumt
10	centering, formwork, cover blocks, laying/pumping, Providing and laying Cast in situ/Ready Mix cement concrete in M-20 of trap / granite/ gneiss / quartzite metal for R.C.C. fins of required thickness in position as shown on the drawings or as directed by Engineer-in-charge	Ded. Rs.126 for SCADA	13657.00	Cement	7.000	11.77	82.37	804.80	12947.80	Cumt
11	Providing and fixing in position TMT - FF - 500 bar	Net Rate	12269.00	Metal	0.890	663.90	590.87	825.16	14757.16	Cumt
		Net Rate	126.00	Sand	0.440	372.03	163.69			Cumt
		Net Rate	13806.00	Cement	6.000	11.77	70.60			Cumt
		Ded. Rs.126 for SCADA	17601.00	Metal	0.890	663.90	590.87			Cumt
		Net Rate	126.00	Sand	0.440	372.03	163.69			Cumt
		Net Rate	17475.00	Cement	6.000	11.77	70.60	825.16	18426.16	Cumt
		26.55	89703.60	Sand	1.000	255.34	255.34	335.34	89938.94	M.T.

		Cement	1.580	11.77	18.59	139.14	7894.14	Cumt
12	1.S. type bricks in cement mortar inner walls in plinth external walls including bailing out water							Sqm
13	Providing and Fixing Processed Stone Cladding on wall surface/ plywood surface. RCC pardi/ Wall and all type of Interior, Material Quality Control Testing Charges	51.192	7755.00	11.77	18.59	139.14	8598.00	Sqm
14	C.C.Cube :-For Footing C.C.Cube :-For Columns C.C.Cube :-For Beams For Brick Natural stone	As per PWD V & Q.C. Testing Charges Vide C.S.R.					690.00 690.00 690.00 2175.00 1595.00	Test Test Test Test Test



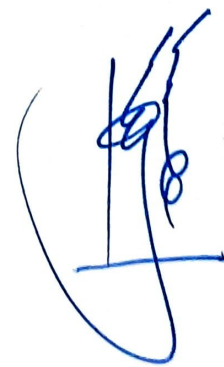
Sub Divisional Engineer
Z. P.(W) Sub.Dn. Mouda

ROYALTY CHARGES CALCULATION

NAME OF WORK

BEAUTIFICATION OF PREMISES AT SHRI CHHATRAPATI SHIVAJI MAHARAJ STATUE AT
KHASALA ,TALUKA :- KAMPTEE

SN	ITEM OF WORK	QUANTITY	METAL	SAND	MURUM
1	2	3	4	5	6
1	Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming,	4.32	4.32		
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,			0.00	0.00
3	Filling in plinth and floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15 cm to 20 cm including watering and compaction etc. complete.	5.24			5.24
4	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	4.20		1.79	
5	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including centering, formwork, cover blocks, laying/pumping, compaction	1.04		0.44	
6	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	2.52		1.07	
	Total		4.32	3.30	5.24
	Royalty of Sand = Royalty + 2% Surcharge + Distt.mineral foundation cess 10% (211.95+4.23+21.19) = 237.37 per cum	Rate @	216.18	237.37	216.18
	Royalty of Metal & Murum = Royalty + 2% Surcharge = (211.95+4.23) = 216.18 per cum	Total	934.00	783.00	1133.00
		Net Rs.	2850.00		



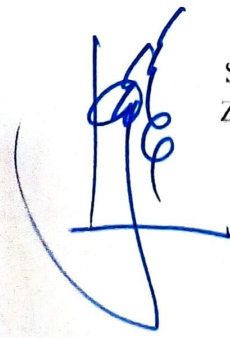
Sub Divisional Engineer
Z. P.(W) Sub.Dn. Mouda

LEAD STATEMENT

NAME OF WORK

BEAUTIFICATION OF PREMISES AT SHRI CHHATRAPATI SHIVAJI MAHARAJ STATUE
AT KHASALA ,TALUKA :- KAMPTEE

Sr. No.	NAME OF MATERIAL	NAME OF SOURCE	LEAD IN KM	RATE OF TRANSPORTATION	TOTAL RATE
1	2	3	4	5	7
1	Bricks		20.00	1121.13	3.33
				Total	1.58
2	Metal 40 mm and above sizes (H.B.)	Umari	33.00	632.25	632.25
3	Metal below 40 mm sizes (C.B.)	Umari	33.00	663.90	663.90
4	Sand	Kanhan River	12.00	372.03	372.03
5	Cement	Kamptee	10.00	235.34	235.34
				Total	11.77
6	Murum	Local	15.00	393.44	393.44
7	Steel	Kamptee	10.00	235.34	235.34
8	All Types of Flooring Tiles	Kamptee	10.00	23.53	23.53



Sub Divisional Engineer
Z. P.(W) Sub.Dn. Mouda