

(109) 3112-031 11501011 नगी

**ZILLA PARISHAD WORKS DIVISION
NAGPUR**

ZILLA PARISHAD WORKS SUBDIVISION NAGPUR

15 F.C Fund G.P level

PANCHYAT SAMITTE NAGPUR

DETAILED ESTIMATE

NAME OF WORK

Providing Paving Blocks In at Fetri In Tah.Nagpur , at Dist-
Nagpur

ESTIMATED COST Rs. 486,400.00

Location :- Infront of Samajmandir at Fetri

ARD

ESTIMATE

DIVISION : Z. P. WORKS DIVISION , NAGPUR
SUB DIVISION : ZILLA PARISHAD (WORKS) SUBDIVISION NAGPUR

PANCHAYAT SAMITTE : NAGPUR
SANCTIONED ESTIMATE NO :
FUND HEAD : 15 F.C Fund G.P level
MAJOR HEAD :
SERVICE HEAD :
DEPARTMENTAL HEAD :

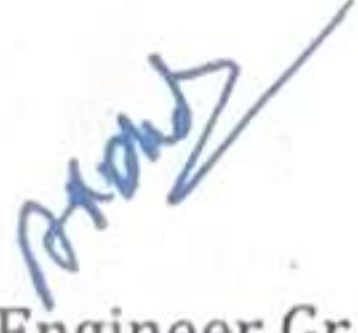
Estimate framed in the office of the Block Development officer Gr I Panchayat Samitte Nagpur for the probable expenses that will be incurred on the work of

Providing Paving Blocks In at Fetri In Tah.Nagpur , at Dist-Nagpur

AMOUNTING TO : Rs. 486,400.00
A / Approved under No :
T / Sanctioned under No :
Estimate prepared by : A.R.Dhale. AE.II
Estimate checked by :

GENERAL DESCRIPTION

ATTACHED SEPARATELY


Assistant Engineer Gr II
P.S Nagpur

REPORTS & SPECIFICATIONS

1) NAME OF WORK :- Providing Paving Blocks In at Fetri In Tah.Nagpur , at Dist-Nagpur

2) ESTIMSTED COST :- Rs. 486,400.00

3) FUND HEAD :- **15 F.C Fund G.P level**

4) NECESSITY & :- As per the proposal of Given by Gram Panchayat wide Resolution Dated on Demand of People


5) Location :-
Infront of Samajmandir at Fetri

4) PROVISIONS

- 1 Excavation for paving block and drain for beam
- 2 80 mm Soling
- 3 C C M10 for base
- 4 60 mm Paving Blocks with Nominal Tie Beam

5) RATES & SPECIFICATION Rates are adopted in this estimate as per C.S.R. for the year 2022-2023 of P.W. Department for Nagpur Region.W. E. F. 25/7/2022

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.


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NAME OF
WORK :-


Providing Paving Blocks In at Fetri In Tah.Nagpur , at Dist-Nagpur

**** GENERAL ABSTRACT ****

Sr. No.	Item of work	Rate
1	Cost Of Work	Rs. 400214.00
2	Add For GST Charges 18 %	Rs 72039.00
3	Add For Contencies	Rs 104.00
4	Add For Labour Insurance	Rs 2001.00
5	Add For Royalty Charges	Rs 9547.00
6	Add For Par B [Testing]	Rs 2495.00
Total		Rs 486400.00

Say

Rs 486400.00

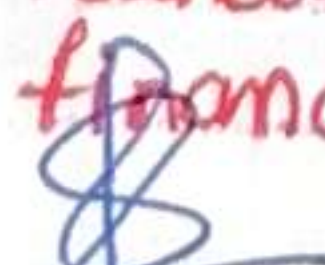

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T. S. No. 168/15th finance/25-26

Sanctioned for Rs 486400/-

four lach eighty six
thousand four hundred only

Under Head 15th finance 25-26


Sub Divisional Engineer
Z.P. Works Sub Division,
Nagpur

ABSTRACT

Name of work :-

Providing Paving Blocks In at Fetri In Tah.Nagpur , at Dist-Nagpur

S.No.	Item Of Work	Quantity	Rate	Unit	Amount
1	Excavation for roadway in earth, soil of all sorts, sand, gravel or soft murum including dressing section to the required grade, camber side slopes and conveying the excavated materials with all lifts upto a and lead of 50m. and spreading for embankment or stacking as directed.	38.18	119.00	m3	4544.00
2	Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc. complete.	28.64	1937.25	m3	55475.00
3	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 sand VSI Grade)(Crushed	19.09	6423.00		122618.00
4	Providing and fixing heavy duty inter locking concrete Coloured paving blocks of 60 mm thickness of having a strength of 300 Kilogram/Sq.cm. of approved quality and shape on a bed of crushed sand of 25 to 30 mm thick including skirting joints and cleaning etc. complete	190.91	981.15	m2	187306.00
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 steel centering, formwork, cover blocks, laying/pumping, compactionand 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 fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc)	2.03	12835.80	m3	26070.00
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.	0.05	89938.35	MT	4201.00
			Part A=		400214.00
	Part B				
7	Add Amt. for Sub Estt. No. 3 , (Material Testing) ---Statement enclosed herewith---	1.00	---	Set	2495.00
			Part B =		2495.00
			Part A +B =	Total Rs	402709.00
				Say Rs.	402709.00

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Name of work :-

Providing Paving Blocks In at Fetri In
Tah.Nagpur , at Dist-Nagpur

**** MEASUREMENT ****

Sr. No	Item of Work	No.	L.	B.	D	Quantity	Unit
1	Excavation for roadway in earth, soil of all sorts, sand, gravel or soft murum including dressing section to the required grade, camber side slopes and conveying the excavated materials with all lifts upto a and lead of 50m. and spreading for embankment or stacking as directed.						
	For Paving Blocks	1	26.70	7.15	0.20	38.18	
						38.18	M3
2	Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc. complete.						
	For Paving Blocks	1.00	26.70	7.15	0.15	28.64	
						28.64	M3
3	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 sand VSI Grade)(Crushed						
		1.00	26.70	7.15	0.10	19.09	
						19.09	M3
4	Providing and fixing heavy duty inter locking concrete Coloured paving blocks of 60 mm thickness of having a strength of 300 Kilogram/Sq.cm. of approved quality and shape on a bed of crushed sand of 25 to 30 mm thick including skirting joints and cleaning etc. complete						
		1.00	26.70	7.15		190.91	M2
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 steel 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 fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc)						
		1.000	67.70	0.150	0.200	2.03	M3
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.						
	For Beam	1	2.03	23 Kg /cum		46.71	Kg'
						0.05	M.T

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SUB ESTIMATE NO. 3
FREQUENCY OF TESTING

S. No.	Item of Work	Quantity	Unit	Name of Material	Rate of Consumption	Qty. of Material	Test required	Frequency	No. of Test required	Rate of Testing	Amount
1	Paving Block Flooring	190.91	Cum	Paving Block Flooring	6	190.91	Compressive Strength, Water Absorption	1 Test	1	2495.00	2495.00
Total Test 1 Total Rs. 2495.00											

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SUB ESTIMATE NO. 2
ROYALTY CHARGES OF MATERIALS


S. No.	Item	Material	Quantity	Rate of Consumption	Quantity Consumed	Rate	Amount
1	80 mm	80 mm	28.64	1.00	28.64	216.18	6190.00
2	CC M10 conc	Sand	28.64	0.15	4.30	237.37	1020.00
3	CC M20 conc	Sand	19.09	0.47	8.97	237.37	2130.00
Total							9547.00

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Name of work :- Providing Paving Blocks In at Fetri In Tah.Nagpur , at Dist-Nagpur

**** Lead Statement ****

Sr.No.	Material	Source/Qrry	Lead in Km	Rate for Transport		Add Royalti Charges	Final Rate	
				Full Rate	Deduct for 5.00 km			
1	2	3	5	6	7	8	9	
1	Hand Broken Metal	Khadgaon	15.00	393.44	0.00	0.00	393.44	/M ³
2	Crusher Broken Metal	Khadgaon	15.00	410.55	0.00	0.00	410.55	/M ³
3	Sand	Khanhan River	28.00	598.48	0.00	0.00	598.48	/M ³
4	Murum	Khadgaon	15.00	393.44	0.00	0.00	393.44	/M ³
5	Cement	Nagpur	10.00	235.34	0.00	0.00	235.34	/Mt
							11.77	/Bag
6	Steel	Nagpur	10.00	235.34	0.00		235.34	/Mt
7	Paving blocks	Hingna MIDC	35.00	50.33		0.00	50.33	Sqm



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NAME OF WORK

RATE ANALYSIS

Providing Paving Blocks In at Fetri In Tah.Nagpur , at Dist-Nagpur

Sr. No	Item of Brief	Ref. To C.S.R.		Deduct 117for Scada	Net Total	Unit	Material	Add for Transportation			Deduct 0 Royalty of Sand	Total (4+ 9)	Net Rate	
		Item/Reference	Rate					Qty.	Rate	Amt.				
1	Excavation for roadway of all soil etc complete	2.11	119.00	0	119.00	m3				0.00		119.00	119.00	
2	Providing soling 80mm of size metal.....etc. complete.	21.40	1454.00		1454.00	m3	Metal Sand	1.00 0.15	m3 m3	393.44 598.48	393.44 89.77	0.00	1937.21	1937.25
3	Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/	24.01	5830.00	126.00	5704.00	m3	Metal Sand Cement	0.94 0.47 4.40	m3 m3 bag	410.55 598.48 11.77	385.92 281.29 51.77	718.98	6422.98	6423.00
4	Providing and fixing heavy duty inter locking concrete Coloured paving blocks of 60 mm thickness of having a	33.51	919.00	0	919.00	m2	Paving Block Grit	1.00 0.03	Sqm m3	50.33 393.44	50.33 11.80		981.13	981.15
5	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite	25.50	12269.00	126.00	12143.00	m3	Metal Sand Cement	0.86 0.43 7.00	m3 m3 bag	410.55 598.48 11.77	353.07 257.35 82.37	62.13	12835.79	12835.80
6	Providing and fixing in position TMT - FE - 500 bar reinforcement of various	26.33	89703.00		89703.00	MT	HYSD	1.000	MT	235.34	235.34		89938.34	89938.35


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