

GOVERNMENT OF MAHARASHTRA

ZILLA PARISHAD WASHIM

PANCHAYAT SAMITI MANGRULPIR

GRAM PANCHAYAT JAMB

Under Schedule Cast & Navbaudha Wasti Vikas 2025-26

DETAILED ESTIMATE

-: NAME OF WORK :-

Construction of Paver Block Road in Wasti No. 6 At.
Shahapur Bk Tq. Mangrulpir Dist. Washim Under
Schedule Cast & Navbaudha Wasti Vikas 2025-26

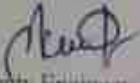
Rs. 800000.00

GENERAL REPORT

- Name of Work : Construction of Paver Block Road in Wasti No. 5 Al. Shahapur Bk Tq. Mangrulpir Dist. Washim Under Schedule Cast & Navbandha Wasti Vikas 2024-25
- Estimated Cost : ₹. 20000.00
- Authority : **Under Schedule Cast & Navbandha Wasti Vikas 2024-25**
- Necessity : It is necessary construct paver block road hence estimate prepared.
- Provisions : Following provisions are made in this estimate
- 1. 20 mm metal suling
 - 2. 10 mm thick paver block
 - 3. C.C. 1% for side beam.
 - 4. information board

Rates & Specifications : अंदाजपत्रक तयार करण्याकरिता या.या. विभागाचे सन 2022-23 (दि. 24/05/2022 पासून लागू असलेली) च्या दरसूचीनुसार दर घेण्यात आलेले आहेत. सदर काम हे शासनद्वारे वेळोवेळी प्राप्त होणाऱ्या सूचनेनुसार करण्यात येईल.


Jumo Engineer
Panchayat Samiti
Mangrulpir


Deputy Engineer
Z.P. Works Sub Division
Washim

Name of Work :- Construction of Paver Block Road in Wasti No. 6 At. Shahapur Bk
Tq. Mangrulpir Dist. Washim Under Schedule Cast & Navbahadha Wasti Vikas 2025-26

GENERAL ABSTRACT

Sr. No.	Particular	Amount
1	Cost of Estimate	Rs. 645554.00
2	Add for royalty	Rs. 22629.00
3	Add for Laboratory Testing charges	Rs. 5350.00
4	Add GST 18%	Rs. 116200.00
		Rs. 789733.00
5	Add SQM Charges 1%	Rs. 5500.00
6	Add Work Labour Insurance 0.50%	Rs. 3228.00
7	Add for Contingencies	Rs. 1500.00
	Total Rs.	799961.00
	Say Rs.	800000.00

Junior Engineer
Panchayat Samiti
Mangrulpir

Deputy Engineer.
Z.P. Works Sub Division.
Washim

T. S. No./Z.P.W./1181 - 2025-26

Technically Sanctioned for Rs. 8,00,000/-

In Words Rs. Eight Lakh

Executive Engineer
Works Division, Z. P. Washim


Proposed Checked Found
Correct Racomanded For
Acording Technical
Sanction/Approval

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"ABSTRACT"

Quantity	Item of work	Rate	Unit	Amount
67.230	Cum Item No. 1 - Excavation for roadway in earth, soil of all sorts, sand, gravel or soft murrum including dressing section to the required grade, camber and side slopes and conveying the excavated materials with all lifts upto a lead of 50m. & spreading for embankment or stacking as directed. [MORTH 301] (S.S.R. I No. 2.11 P.No. 85)	119.00	Cum	8000.00
67.230	Cum Item No. 2 - Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc. complete. [As directed by Engineer incharge.] (S.S.R. I No. 21.4 P.No. 152)	1776.25	Cum	119417.00
402.57	Sqm Item No. 3 - Providing & fixing heavy duty inter locking concrete RUBBER MOULD GLOSSY PAVING BLOCKS of 60 mm thickness of having a strength of 400 Kg/sqm of approved quality & shape on a bed of crushed sand of 25 to 30 millimeter thick including striking joints & cleaning etc. complete (using 100% crushed sand) [Bd. M12 P.No. 385] (S.S.R. I No. 33.53 P.No. 211)	1112.95	Sqm	448040.00
6.86	Cum Item No. 4 - Providing and laying Cast in situ/Ready Mix cement concrete in M15 of trap/ granite/quartzite/gneiss metal for steps including steel centering, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing uneven and honeycombed surface and curing etc. complete. The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface. only Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed), 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) [Bd.E.2 P.No. 288 & B.7 P.No 38] (S.S.R.I No. 24.04 P.No. 168)	6648.10	Cum	45593.00
26.89	Cum Item No. 5 - Supplying hard murrum/ kankar at the road site, including conveying and stacking complete. (S.S.R.I No. 2.29a P.No. 29)	687.20	Cum	18480.00
26.89	Cum Item No. 6 - Spreading hard murrum/soft murrum/gravel or kankar for side width complete (S.S.R.I No 2.30 P.No 29)	79.00	Cum	2124.00
1.00	No Item No 7 - Providing and fixing board displaying information, such as 'Name of work, Name of Contractor, Work completion and liability period etc, having rectangular shape of 0.90mx0.60m size made out G.I. sheet painted with oil paint MS angle of size 30x50x6mm frame with properly MS angles including etc & fixing the boards in C.C. M10 concrete block of size 45cmx 45cm x60cm including excavation refilling transportation & labour etc complete [As directed by Engineer in Charge] (As per rate analysis)	3900.00	No	3900.00
Total Rs.				645554.00


Junior Engineer,
Panchayat Samiti
Mangrupir


Deputy Engineer,
Z.P. Works Sub Division,
Washim

RATE ANALYSIS

Item No. 3 :- Providing soling using 80 mm size trap metal in 15 cm. Inlay including filling voids with Crushed sand/grit, ramming, watering etc. complete. [As directed by Engineer incharge] (S.S.R.I.No. 21.4 P.No. 152)

Add carting of metal	1 Cum @	284.41	1454.00	Rs/cum
Add carting of murum	0.15 Cum @	252.22	284.41	
			37.83	
			Total	1776.24
			Say	1776.25 Rs/cum

3 Item No. 3 :- Providing & fixing heavy duty inter locking concrete RUBBER MOULD GLOSSY PAVING BLOCKS of 60 mm thickness of having a strength of 400 Kg/sqm of approved quality & shape on a bed of crushed sand of 25 to 30 millimeter (thick including striking joints & cleaning etc. complete (using 100% crushed sand) [Bd. M12 P No. 385] (S.S.R. I.No. 33.53 P.No. 211)

Add carting of paver	1.00 sqm @	10.44	1096.00	Rs./sqm
Add carting of crusher	0.622 Cum @	296.77	10.44	
			6.53	
			Total	1112.97
			Say	1112.95 Rs./sqm

4 Item No. 4 :- Providing & laying Cast in situ/Ready Mix cement concrete in M15 of trap/ granite/quartzite/gneiss metal for steps including steel centering, formwork, laying/pumping, compacting, roughening them if special finish is to be provided finishing uneven & honeycombed surface and curing etc. complete. The CM 1:3 plaster is considered for rendering uneven and honeycombed surface. only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed.) 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) [Bd.E.2 P.3No. 288 & B.7 P.No.38] (S.S.R.I.No. 24.04)

			6359.00	Rs/cum
Deduct SCADA			-126.00	
Add carting of metal	0.89 Cum @	296.77	264.13	
Add carting of Crusher sand	0.425 Cum @	296.77	126.13	
Add carting of cement	7.00 Bag @	3.55	24.85	
			Total	6648.10
			Say	6648.10 Rs/cum

5 Item No. 5 :- Supplying hard murum/ kankar at the road site, including conveying and stacking complete. (S.S.R.I.No. 2.29a P.No. 29)

Add carting of murum	1 Cum @	252.22	435.00	Rs/cum
			252.22	
			Total	687.22
			Say	687.20 Rs/cum


 Jumo
 Panchayat Samiti
 Mangrulpir


 Deputy Engineer
 Z.P. Works Sub Division
 Washim

Name of Work :- Construction of Paver Block Road in Wasti No. 6 At Shahapur Bk
Tq. Mangrulpir Dist. Washim Under Schedule Cast & Navbandha Wasti Vikas 2025-26

MEASUREMENT

Item of work	No.	L.	B.	D.	Quantity
Item No. 1 :- Excavation for roadway in earth, soil of all sorts, sand, gravel or soft murum including dressing section to the required grade, camber and side slopes and conveying the excavated materials with all lifts upto a lead of 50m. & spreading for embankment or stacking as directed. [MORTH 301] (S.S.R.I.No. 2.11 P.No. 83)	1	149.40	3.00	0.15	67.23 Cum 67.23 Cum
Item No. 2 :- Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc. complete. [Spec.No. : As directed by Engineer incharge.] (S.S.R.I.No. 21.4 P.No. 152)	1	149.40	3.00	0.15	67.23 Cum 67.23 Cum
Item No. 3 :- Providing & fixing heavy duty inter locking concrete RUBBER MOULD GLOSSY PAVING BLOCKS of 60 mm thickness of having a strength of 400 Kg/sqm of approved quality & shape on a bed of crushed sand of 25 to 30 millimeter thick including striking joints & cleaning etc. complete (using 100% crushed sand) [Bd. M12 P.No. 385] (S.S.R.I.No. 33.53 P.No. 211)	1	149.10	2.70		402.57 Sqm 402.57 Sqm
Item No. 4 :- Providing and laying Cast in situ/Ready Mix cement concrete in M15 of trap/ granite/quartzite/gneiss metal for steps including steel centering, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing uneven and honeycombed surface and curing etc. complete. The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface, only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed), 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) [Bd.E.2 P.No. 288 & B.7 P.No 38] (S.S.R.I.No. 24.04 P.No. 168)	2	149.40	0.15	0.15	6.72 Cum
	2	3.00	0.15	0.15	0.14 Cum
					6.86 Cum
Item No. 5 :- Supplying hard murum/ kankar at the road site, including conveying and stacking complete. (S.S.R.I.No. 2.29a P.No. 29)	2	149.40	0.45	0.20	26.89 Cum
Side shoulder					
Item No. 6 :- Spreading hard murum/soft murum/gravel or kankar for side width complete (S.S.R.I.No.2.30 P.No.29)					26.89 Cum
Qty as per I.No. 3					
Item No 5 - Providing and fixing board displaying information, such as Name of work, Name of Contractor, Work completion and liability period etc. having rectangular shape of 0.90mx0.60m size made out G.I sheet painted with oil paint MS angle of size 50x50x6mm frame with properly MS angles including etc & fixing the boards in C.C. M10 concrete block of size 45cmx 45cm x60cm including excavation refilling transportation & labour etc complete [As directed by Engineer in Charge] (As per rate analysis)	1				1.00 No


Junior Engineer
Panchayat Samiti
Mangrulpir

Name of Work :- Construction of Paver Block Road in Wasti No. 6 At. Shahapur Bk
Tq. Mangrulpir Dist. Washim Under Schedule Cast & Navbandha Wasti Vikas 2025-26

ROYALTY STATEMENT

Sl. No.	Item	Type of material	Qty	Consumption	Qty of royalty	Rate	Amount
1	80 mm metal soling	Metal	67.23	1.00	67.23	216.18	14534.00
		Murum			0.15	10.08	216.18
2	C.C. M15	Metal	6.86	0.70	0.43	237.37	101.00
3	Hard murum	Murum	26.89	1	26.89	216.18	5814.00
						Total	22629.00


Jankar
Panchayat Samiti
Mangrulpir



Deputy Engineer
Z.P. Works Sub Division
Washim

Name of Work :- Construction of Paver Block Road in Ward No. 6 At. Shahapur Bh.
 Tq. Mangrulpir Dist. Washim Under Schedule Cast & Navbandha Ward Vikas 2025-26

LEAD STATEMENT

Sl. No.	Material	Source	Unit	Lead in Km.	Conveying Charges	Total rate for concrete
1	Hard labour	Local	Cum	3.00	252.22	252.22
2	Woods metal	Ambapur	Cum	7.00	284.41	284.41
3	C.B. metal	Ambapur	Cum	7.00	296.77	296.77
4	Sand	Talasi	Cum	81.00	1287.42	1287.42
5	Cement + steel	Mangrulpir	MT	1.00	71.00	71.00
						3.55
6	Paver Block	Mangrulpir	MT	1.00	10.44	10.44


 Jitendra Patil
 Panchayat Samiti
 Mangrulpir


 Deputy Engineer
 Z.P. Works Sub Division
 Washim

CROSS SECTION

