

Face Sheet

Sanctioned Estimate No.

Name of Division

Z. P. Division (South) Pune

Fund Head

Major Head

Minor Head

Service Head

Departmental Head

15 का विल्ल  
अधोम

Estimate framed in the office of

Executive Engineer , Z. P. Division (South) Pune

for the probable expenditure that will be incurred in the work of

**Constructing road from Retemala bridge to Daremala at Parawadi Tal. Baramati**

**Rs. 5 Lacs**

Administratively Approved No.

Dated

Technically Sanctioned No.

Dated

Estimate Prepared by

Misal P.N, Sectional Engineer

Estimate Checked by

Misal P.N, Deputy Engineer

**General Description**

Recapitulation Sheet

Name of Work Constructing road from Retemala bridge to Daremala at Parawadi Tal. Baramati

SSR YEAR 2022-2023

Sub Work	Amount
1 Road	419,552.88
2 Testing Charges Estimate	2,760.00
3 Royalty Charges Estimate	0.00
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Total Amount	422,312.88
Round off	422,313.00
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<b>ADD ON WORK PORTION</b>	
Insurance 0.5 % (On Work Portion)	2,098.00
GST Charges 18 % (On Work Portion)	75,520.00
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Grand Total	499,930.88
Round off	499,931.00

Rupees Four Lakh Ninty Nine Thousand Nine Hundred And Thirty One Only

Junior Engineer

Z P. Sub Division Baramati

Deputy Engineer

Z P. Sub Division Baramati

मिधी लश्तूद :- 15 वा दिनांक अद्योक्त सम :- 2025-26

Technically sanctioned for Rs. 499931/- Four lakh  
ninty nine thousand nine hundred & thirty one only

And Registered Vide No. BMT/WKS/TS/540/2025

Date:- Dec. 2025

Deputy Engineer  
Z P. Sub Div. Baramati

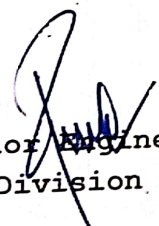
### Lead Statement

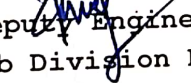
Name of Work

Constructing road from Retemala bridge to Daremala at Parawadi Tal.  
Baramati

Material	Lead Distance (in Km.)	Total Lead Charges (In Rs.)	Initial Lead (5 (In Rs.)	Net Lead (In Rs.)
STATE REGION DSR				
1 CEMENT	3 Km.	135.46		0.00
2 CRUSH METAL	5 Km.	263.19		0.00
3 Crush Metal -40mm	5 Km.	252.22		0.00
4 Crush Metal -20mm	5 Km.	263.19		0.00
5 Crush Metal -12mm	5 Km.	263.19		0.00
6 Crush Sand	5 Km.	263.19		0.00
7 Type A 13.2mm-Crush Metal	3 Km.	229.55		0.00
8 Binding Material-Hard Murum	5 Km.	252.22		0.00

Certified that the quarries considered in the lead statement are the nearest and that sufficient quantity of good quality material is available.

  
Junior Engineer  
Z P. Sub Division Baramati

  
Deputy Engineer  
Z P. Sub Division Baramati

## Abstract

SSR YEAR 2022-2023

Name of Work : Constructing road from Retemala bridge to Daremala at Parawadi Tal.  
Baramati

Description	Quantity	Rate/Unit	Amount
<b>1. NAME OF SUB WORK -- Road</b>			
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. and spreading for embankment or stacking as directed.....(INo2-11 , PgNo 24) ( STATE SSR ) Item Spec: (MORTH 301)	35.833	119.00/Cu.Mt.	4,264.15
ITEM NO. : 2 Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing to proper grade and camber, applying and brooming requisite type of screening/ binding Materials to fill up the interstices of coarse aggregate, watering and compacting with Vibratory roller. to the required density. By Mechanical Means - Grading I (Using Screening Type A (13.2) mm Aggregate).....(INo3-18, PgNo 29) ( STATE SSR ) Item Spec: (MORTH 404)	16.893	2618.60/Cu.Mt.	44,236.00
<b>RA NO. : 1</b>			
ITEM NO. : 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 WITHOUT SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate ( Crushed sand VSI Grade finely washed ).....(INo24-01 NS, PgNo 175) ( STATE SSR ) Item Spec: (Bd. E. 1 Page No. 287)	16.893	6097.20/Cu.Mt.	103,000.00
<b>RA NO. : 2</b>			
ITEM NO. : 4 Providing and laying in situ cement concrete M -20 with tremix treatment for 200 mm thickness for Concrete Road is including laying plastic sheet for 125 micron thickness with groove cutting of 4	30.714	8403.00/Cu.Mt.	258,089.75



Description	Quantity	Rate/Unit	Amount
mm wide and 20 mm deep with necessary refilling with bitumen ( excluding reinforcement) with coarse and fine aggregate ( Natural Sand /VSI grade finely washed crushed sand) etc. complete -- M30 Item Converted to M20 Item. Difference in Cost of Cement 0.40 MT - 0.35 MT = 0.05 MT at Rs 6000 is 0.05 x 6000 = Rs 300, hence Final Rate = Basic Rate for M30 Item - Rs 3000 - Rs 120 for NON SCADA i.e. (8446 - 300 - 120 = 8026 Final Rate = 8026.00....(INo5-22A NS, PgNo 44) ( STATE SSR ) Item Spec: (As Directed by Engineer In Charge) RA NO. : 3			

ITEM NO. : 5 Providing and fixing board displaying information, such as 'Name of work, Tender cost, Name of Contractor, Work completion and liability period etc', having rectangular shape of 1.20m x 0.90m size made out 18 gauge (1.25mm) thick mild steel sheet painted with one coat of Zinc chromate stoving primer and two coats of enamel paint on front side and grey stove enamel on back side and border / messages / symbols etc. with approved colour shade paint complete, on M.S. angle of size 35 x 35 x 3 mm frame with properly cross braced M.S. angles of size 35mmx35mmx3mm duly painted including Two M.S. angle iron posts of size 65 mm x 65 mm x 6 mm, 3.65 m long painted with alternate black and white bands of 25 cm width including all fixtures etc.and fixing the boards in 1:4:8 concrete block of size 60 cm x 60 cm x 75 cm including, excavation, refilling, transportation, and labour etc complete. Spec. No. As directed by Engineer in Charge....(INo6-36 , PgNo 60) ( STATE SSR ) Item Spec: (MORTH 801)	1.000	9963.00/No.	9,963.00
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TOTAL AMOUNT FOR SUB WORK NO. 1

**Rupees Four Lakh Nineteen Thousand Five Hundred And Fifty Two And Paise Ninty Only**

419,552.90

**2 . NAME OF SUB WORK -- Testing Charges Estimate**

ITEM NO. : 1 SOIL / MURUM Sieve Analysis.....(INo29-VQC , PgNo 585) ( STATE SSR ) Item Spec: (As per Standard Specification )	1.000	690.00/1 Test	690.00
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Page 2 of 3 of Abstract

Description	Quantity	Rate/Unit	Amount
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ITEM NO. : 2 CONCRETE Compressive Strength OF C.C. Cube(Set of 3 cubes).....(INo19-VQC , PgNo 584) ( STATE SSR ) Item Spec: (As per Standard Specification )	2.000	690.00/1 Test	1,380.00
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ITEM NO. : 3 BASIC TEST OF AGGREGATE. Sieve Analysis.....(INo3-VQC , PgNo 584) ( STATE SSR ) Item Spec: (As per Standard Specification )	1.000	690.00/1 Test	690.00
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TOTAL AMOUNT FOR SUB WORK NO. 2 Rupees Two Thousand Seven Hundred And Sixty Only			2,760.00
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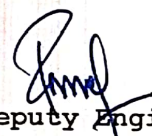
**3 . NAME OF SUB WORK -- Royalty Charges Estimate**

ITEM NO. : 1 Royalty Charges for HARD MURUM. Rate = Royalty + surcharge (2%) (211.95 + 4.23 = 216.18 Per Cum).....(INo1-A , PgNo 1) ( STATE SSR ) Item Spec: (As Directed By Engineer Incharge)	0.000	216.20/Cu.Mt.	0.00
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TOTAL AMOUNT FOR SUB WORK NO. 3			0.00
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Junior Engineer

Z P. Sub Division Baramati

  
Deputy Engineer

Z P. Sub Division Baramati

Measurement Sheet

Name of Work

Constructing road from Retemala bridge to Daremala at Parawadi Tal. Baramati  
SSR YEAR 2022-2023

Item No. & Description	Measurement				Quantity
	No.	L.	B.	D.	

1. NAME OF SUB WORK -- Road

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 l..... (INo2-11, PgNo 24) ( STATE DSR )

Excavation	51.19	3.5	0.2		35.833
Total Quantity					35.833 Cu.Mt.

ITEM NO. : 2 Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing to proper grade and camber, a..... (INo3-18, PgNo 29) ( STATE DSR )

G1	1	51.19	3.30	0.10	16.893
Total Quantity					16.893 Cu.Mt.

ITEM NO. : 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/..... (INo24-01 NS, PgNo 175) ( STATE DSR )

M10	51.19	3.3	0.1		16.893
Total Quantity					16.893 Cu.Mt.

ITEM NO. : 4 Providing and laying in situ cement concrete M -20 with tremix treatment for 200 mm thickness for Concrete Road is including laying plastic sheet for 125 micron thickness with groove cutting of 4 mm w..... (INo5-22A NS, PgNo 44) ( STATE DSR )

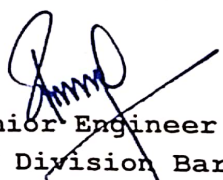
M20	51.19	3	0.2		30.714
Total Quantity					30.714 Cu.Mt.

ITEM NO. : 5 Providing and fixing board displaying information, such as 'Name of work, Tender cost, Name of Contractor, Work completion and liability period etc', having rectangular shape of 1.20m x 0.90m size mad..... (INo6-36, PgNo 60) ( STATE DSR )

1					1.000
Total Quantity					1.000 No.

Name o  
R.A.

Item No. & Description	Measurement			Quantity
	No.	L.	B. D.	
2 . NAME OF SUB WORK -- Testing Charges Estimate				
ITEM NO. : 1 SOIL / MURUM Sieve Analysis..... (INo29-VQC, PgNo 585) ( STATE DSR )				1.000
	1			1.000 1 Test
Total Quantity				
ITEM NO. : 2 CONCRETE Compressive Strength OF C.C. Cube(Set of 3 cubes)..... (INo19-VQC, PgNo 584) ( STATE DSR )				
M10,M20				2.000
	2			2.000 1 Test
Total Quantity				
ITEM NO. : 3 BASIC TEST OF AGGREGATE. Sieve Analysis..... (INo3-VQC, PgNo 584) ( STATE DSR )				
				1.000
	1			1.000 1 Test
Total Quantity				
3 . NAME OF SUB WORK -- Royalty Charges Estimate				
ITEM NO. : 1 Royalty Charges for HARD MURUM. Rate = Royalty + surcharge (2%) (211.95 + 4.23 = 216.18 Per Cum)..... (INo1-A, PgNo 1) ( STATE DSR )				0.000
	0			0.000 Cu.Mt.
Total Quantity				

  
Junior Engineer  
Z P. Sub Division Baramati

Name of Work:

Rate Analysis Report  
Constructing road from Retemala bridge to Daremala at Parawadi Tal.  
Baramati

SSR YEAR 2022-2023

R.A. NO. : 1 - Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing to proper grade and camber, applying and brooming requisite type of screening/ binding Materials to fill up the interstices of coarse aggregate, watering and compacting with Vibratory roller. to the required density. By Mechanical Means - Grading I (Using Screening Type A (13.2 mm Aggregate)

INo3-18, PgNo 29 ( STATE DSR )	Basic Rate.....			
Add For Lead Charges		Qty. / Unit	Distance	Lead Charge
CRUSH METAL		1.21 / Cu.Mt.	5 Km.	Rs.263.19
Type A 13.2mm-Crush Metal		0.27 / Cu.Mt.	3 Km.	Rs.229.55
Binding Material-Hard Murum		0.08 / Cu.Mt.	5 Km.	Rs.252.22
				Rs.318.46
				Rs.61.98
				Rs.20.18
Sub Total				Rs. 2618.62
Total Amount				Rs. 2618.62
Rate				Rs. 2618.60 / Cu.Mt.

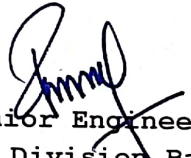
R.A. NO. : 2 - Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, Steel centering, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, with fully automatic micro processor based PLC WITHOUT SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate ( Crushed sand VSI Grade finely washed )

INo24-01 NS, PgNo 175 ( STATE DSR )	Basic Rate.....			
Add For Lead Charges		Qty. / Unit	Distance	Lead Charge
CEMENT		0.22 / M.T.	3 Km.	Rs.135.46
Crush Sand		0.47 / Cu.Mt.	5 Km.	Rs.263.19
Crush Metal -20mm		0.24 / Cu.Mt.	5 Km.	Rs.263.19
Crush Metal -40mm		0.7 / Cu.Mt.	5 Km.	Rs.252.22
				Rs.29.80
				Rs.123.70
				Rs.63.17
				Rs.176.55
Sub Total				Rs. 6097.22
Total Amount				Rs. 6097.22
Rate				Rs. 6097.20 / Cu.Mt.

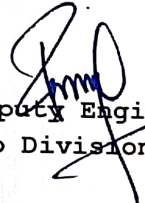
R.A. NO. : 3 - Providing and laying in situ cement concrete M -20 with tremix treatment for 200 mm thickness for Concrete Road is including laying plastic sheet for 125 micron thickness with groove cutting of 4 mm wide and 20 mm deep with necessary refilling with bitumen ( excluding reinforcement) with coarse and fine aggregate ( Natural Sand /VSI grade finely washed crushed

sand) etc. complete -- M30 Item Converted to M20 Item. Difference in Cost of Cement 0.40 MT - 0.35 MT = 0.05 MT at Rs 6000 is 0.05 x 6000 = Rs 300, hence Final Rate = Basic Rate for M30 Item - Rs 3000 - Rs 120 for NON SCADA i.e. (8446 - 300 - 120 = 8026 Final Rate = 8026.00

INo5-22A NS, PgNo 44 ( STATE DSR )	Basic Rate.....			8020.00 / Cu.Mt.
Add For Lead Charges	Qty. / Unit	Distance	Lead Charge	
CEMENT	0.35 / M.T.	3 Km.	Rs.135.46	Rs.47.41
Crush Sand	0.425 / Cu.Mt.	5 Km.	Rs.263.19	Rs.111.86
Crush Metal -20mm	0.57 / Cu.Mt.	5 Km.	Rs.263.19	Rs.150.02
Crush Metal -12mm	0.28 / Cu.Mt.	5 Km.	Rs.263.19	Rs.73.69
Sub Total				----- Rs. 8402.98
Total Amount				----- Rs. 8402.98
Rate				----- Rs. 8403.00 / Cu.Mt. -----

  
Junior Engineer

Z P. Sub Division Baramati

  
Deputy Engineer

Z P. Sub Division Baramati