

Zilla Parishad, Sangli

Panchayat Samiti, Miraj

FORM NO-52

MEASUREMENT BOOK

MB NO : 147114000006

so1mrj , Project Officer (B & C)

YEAR : 2023-2024

**Name of Work : S.T.B.T. To Internal Road at Samdoli, Taluka
Miraj, District Sangli. (Nagari Suvidha 2019-20)**

MEASUREMENT BOOK

Bill No : 1st R.A. Bill

Name of Work:

S.T.B.T. To Internal Road at Samdoli, Taluka Miraj, District Sangli.
(Nagari Suvidha 2019-20)

Agency:

big

Authority:



WorkOrder No:ZPSGL/WO/2515/33532



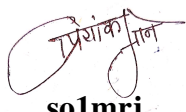

WorkOrder Date:23-04-2023



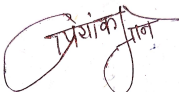

Actual Date of Completion:22-04-2028

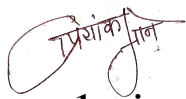

Date of Measurement:28-12-2023



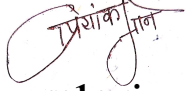
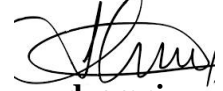


Sr NO	Particulars	Number	Length	Breadth	Height	Quantity	Unit
Record Entry No :1			Date :01-12-2023				
Item No: 1	Excavation for roadway in earth, soil of all sorts, sand, gravel or soft murum including dressing section to the required grade, camber and side slopes and conveying the excavated materials with all lifts upto a lead of 50 metre and spreading for embankment or stacking as directed. By Mechanical Means.						
1	Patil home to Chavan home	1.0	28.000	3.500	0.150	14.700	Cubic Metre
Total Uptodate Quantity:						14.700	Cubic Metre
Item No: 2	Supplying trap metal of required size by bringing the boulders / rubble at the road side breaking them to required gradation including conveying the boulders / rubble and stacking the broken metal, excetra complete. (Prior approval of sample stack of broken metal by the Executive Engineer is necessary. The date of approval will form part of the measurements) - 60 milimetre metal, by breaking boulders. (Hand broken).						
1	Stacked 60 mm Metal (Not for payment)	14.0	5.000	2.900	1.300	263.900	Cubic Metre
2	Main Road	1.0	118.870	5.500	0.200	130.757	Cubic Metre
3	Patil home to Chilame home	1.0	52.540	3.500	0.200	36.778	Cubic Metre
Total Uptodate Quantity:						167.540	Cubic Metre
Item No: 3	Supplying hard murum / kankar at the road site, including conveying and stacking, excetra complete.						

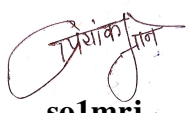

Sr NO	Particulars	Number	Length	Breadth	Height	Quantity	Unit
1	Stack of HM (Not for payment)	11.0	5.000	2.900	1.410	224.895	Cubic Metre
2	33.33 % of Main Road	0.3333 * 130.757				43.581	Cubic Metre
3	33.33 % of Patil home to Chilame home	0.3333 * 36.778				12.258	Cubic Metre
Total Uptodate Quantity:						55.840	Cubic Metre
Item No: 7	Supplying trap metal of required size by bringing the boulders / rubble at the road side breaking them to required gradation including conveying the boulders / rubble and stacking the broken metal, excetra complete. (Prior approval of sample stack of broken metal by the Executive Engineer is necessary. The date of approval will form part of the measurements) - 40 milimetre metal, by breaking boulders. (Hand broken).						
1	Stack of 40 mm Metal	8.0	5.000	2.900	1.225	142.100	Cubic Metre
2	Main Road	1.0	118.870	5.500	0.100	65.379	Cubic Metre
3	Patil home to Chilame home	1.0	52.540	3.500	0.100	18.389	Cubic Metre
Total Uptodate Quantity:						225.870	Cubic Metre
Item No: 9	Supplying soft murum at the road site, including conveying and stacking, excetra complete.						
1	Stack of SM	2.0	5.000	2.900	1.225	35.525	Cubic Metre
2	25.00 % of Main Road	0.2500 * (1.0 * 118.870 * 5.500 * 0.100)				16.345	Cubic Metre
3	25.00 % of Patil home to Chilame home	0.2500 * (1.0 * 52.540 * 3.500 * 0.100)				4.597	Cubic Metre
Total Uptodate Quantity:						56.470	Cubic Metre
Measured and recorded by me at the site of work  so1mrj Project Officer (B & C) Panchayat Samiti, Miraj				Checked by me at the site of work  dyemrj Deputy Engineer Panchayat Samiti, Miraj			
Record Entry No :2			Date :04-12-2023				

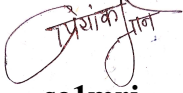



Sr NO	Particulars	Number	Length	Breadth	Height	Quantity	Unit
Item No: 15	Providing and laying concrete pipes of Indian Standard Non Pressure class of 300 milimetre diameter in proper line, level and slope including necessary collers, excavation, laying, fixing with collers in cement mortar 1:1 and refilling the trench excetra complete.						
1		1.0	5.000	0.000	0.000	5.000	Running Metre
Total Uptodate Quantity:						5.000	Running Metre
Item No: 16	Providing rubble filling of trap stones for foundations including filling voids with grit and compaction, excetra complete.						
1		1.0	14.035	4.750	0.300	20.000	Cubic Metre
Total Uptodate Quantity:						20.000	Cubic Metre
Measured and recorded by me at the site of work  so1mrj Project Officer (B & C) Panchayat Samiti, Miraj				Checked by me at the site of work  dyemrj Deputy Engineer Panchayat Samiti, Miraj			
Record Entry No :3			Date :05-12-2023				
Item No: 4	Spreading 60 mm metal for road work including sectionong, excetra complete as directed by Engineer in charge.						
1	Main Road	1.0	118.870	5.500	0.200	130.757	Cubic Metre
2	Patil home to Chilame home (Not for payment)	1.0	52.540	3.500	0.200	36.778	Cubic Metre
Total Uptodate Quantity:						130.760	Cubic Metre
Item No: 17	Providing selected hard murum filling including laying in layers of 15 centimetre to 20 centimetre, watering and compacting, excetra compelte.						
1		4.0	26.050	4.750	0.200	98.990	Cubic Metre
Total Uptodate Quantity:						98.990	Cubic Metre
Measured and recorded by me at the site of work  so1mrj Project Officer (B & C) Panchayat Samiti, Miraj				Checked by me at the site of work  dyemrj Deputy Engineer Panchayat Samiti, Miraj			

Sr NO	Particulars	Number	Length	Breadth	Height	Quantity	Unit
Record Entry No :4			Date :06-12-2023				
Item No: 6	Compacting the sub grade/gravel/oversize metal (200 milimetre loose) layers for all width with Power roller having weight 8 to 10 MT. including necessary, labour, materials and artificial watering complete.						
1	Main Road	1.0	118.870	5.500	0.000	653.785	Square Metre
Total Uptodate Quantity:						653.790	Square Metre
Measured and recorded by me at the site of work  so1mrj Project Officer (B & C) Panchayat Samiti, Miraj				Checked by me at the site of work  dyemrj Deputy Engineer Panchayat Samiti, Miraj			
Record Entry No :5			Date :07-12-2023				
Item No: 5	Spreading hard murum / soft murrum / gravel or kankar for side width, excetra complete.						
1	Main Road	0.3333 * 130.757				43.581	Cubic Metre
Total Uptodate Quantity:						43.580	Cubic Metre
Item No: 8	Spreading 80 milimetre / 40 milimetre metal for road work including sectionong, excetra complete as directed by Engineer in charge.						
1	Main Road	1.0	118.870	5.500	0.100	65.379	Cubic Metre
Total Uptodate Quantity:						65.380	Cubic Metre
Measured and recorded by me at the site of work  so1mrj Project Officer (B & C) Panchayat Samiti, Miraj				Checked by me at the site of work  dyemrj Deputy Engineer Panchayat Samiti, Miraj			
Record Entry No :6			Date :08-12-2023				
Item No: 10	Spreading hard murum / soft murrum / gravel or kankar for side width, excetra complete.						
1	Main Road	0.2500 * (1.0 * 118.870 * 5.500 * 0.100)				16.345	Cubic Metre
Total Uptodate Quantity:						16.350	Cubic Metre

Sr NO	Particulars	Number	Length	Breadth	Height	Quantity	Unit
Item No: 11	Compacting the sub grade / gravel / size metal (100 milimetre loose) layers for all widths with Power roller having weight 8 to 10 MT. including necessary, labour, materials and artificial watering complete.						
1	Main Road	1.0	118.870	5.500	0.000	653.785	Square Metre
Total Uptodate Quantity:						653.790	Square Metre
Item No: 14	Compacting the hard murum side widths including laying in layers on each side with vibratory roller including artificial watering, excetra complete.						
1		2.0	72.000	0.450	0.300	19.440	Square Metre
Total Uptodate Quantity:						19.440	Square Metre
Measured and recorded by me at the site of work  so1mrj Project Officer (B & C) Panchayat Samiti, Miraj				Checked by me at the site of work  dyemrj Deputy Engineer Panchayat Samiti, Miraj			
Record Entry No :7			Date :09-12-2023				
Item No: 12	Providing and constructing 75 milimetre thick modified penetration macadam road surface including all materials, preparing the existing road surface, spreading 40 milimetre stone metal layers 30 percent crusher broken metal plus 70 percent hand broken (by breaking rubble obtained by blasting), heating and spraying the bitumen of of specified grade at the rate of 2 kilogram per square metre, spreading 12 milimetre size chips, compacting with three wheel static roller having weight 8 to 10 metric tonnes to achive the desired degree of compaction as per technical specification Clause 506, excetra complete. Including picking of existing water bound macadam surface. (Using VG-30 bulk bitumen)						
1	Main Road	1.0	118.870	5.500	0.000	653.785	Square Metre
Total Uptodate Quantity:						653.790	Square Metre
Item No: 13	Providing 20 milimetre thick premix bituminous carpet including supplying all materials, preparing and cleaning the base, heating bitumen, including applying tack coat at the rate of 3 kilogram per 10 square metre and providing Type-A seal coat at the rate of 0.98 kilogram per square metre, mixing hot bitumen and chips, laying the carpet layer and compacting, etc. complete. By bulk asphalt.. (Basic Carpet Rate approved by S.E. P.W. Circle, Ratnagiri Vide Letter No 3477 dated 14/10/2020)						
1	Main Road	1.0	118.870	5.500	0.000	653.785	Square Metre

Sr NO	Particulars	Number	Length	Breadth	Height	Quantity	Unit
Total Uptodate Quantity:						653.790	Square Metre
Measured and recorded by me at the site of work  so1mrj Project Officer (B & C) Panchayat Samiti, Miraj				Checked by me at the site of work  dyemrj Deputy Engineer Panchayat Samiti, Miraj			
Record Entry No :8			Date :10-12-2023				
Item No: 18	Providing rubble stone paving 15 centimetre thick in 1:3 cement mortar over a bedding of 15 centimetre thick cement concrete of 1:4:8 proportion with trap /granite /quartzite /gneiss metal including striking joints and watering, excetra complete. (using NATURAL SAND).						
1		2.0	26.050	4.750	0.300	74.243	Square Metre
Total Uptodate Quantity:						74.240	Square Metre
Measured and recorded by me at the site of work  so1mrj Project Officer (B & C) Panchayat Samiti, Miraj				Checked by me at the site of work  dyemrj Deputy Engineer Panchayat Samiti, Miraj			
Record Entry No :9			Date :14-12-2023				
Item No: 25	Contribution towards District Mineral Foundation at the rate of 10 percent of prevailing rate of Royalty for various building construction bonafied materials which are used for government bonafied works and for which Royalty is to be paid by the contractor. (This Item is to be paid to the contractor only after he pays this contribution amount to Revenue department and produces the required voucher.)						
1		32.45				32.450	Cubic Metre
Total Uptodate Quantity:						32.450	Cubic Metre
Measured and recorded by me at the site of work  so1mrj Project Officer (B & C) Panchayat Samiti, Miraj				Checked by me at the site of work  dyemrj Deputy Engineer Panchayat Samiti, Miraj			
Record Entry No :10			Date :15-12-2023				

Sr NO	Particulars	Number	Length	Breadth	Height	Quantity	Unit
Item No: 24	Surcharge on Royalty charges at the rate of two percent of Royalty charges for laterite stone / metal which is used for government bonafied works and for which Royalty charges are to be paid by the contractor. (This Item is to be paid to the contractor only after he pays this Surcharge amount to Revenue department and produces the required voucher.)						
1		34.56				34.560	Cubic Metre
Total Uptodate Quantity:						34.560	Cubic Metre
Measured and recorded by me at the site of work  so1mrj Project Officer (B & C) Panchayat Samiti, Miraj				Checked by me at the site of work  dyemrj Deputy Engineer Panchayat Samiti, Miraj			
Record Entry No :11			Date :28-12-2023				
Item No: 21	Royalty charges for various building construction bonafied materials which are used for government bonafied works and for which Royalty charges are to be paid by the contractor. (This Item is to be paid to the contractor only after he pays the Royalty amount to Revenue department and produces the required voucher.)						
1	Qty of Metal 40 mm & above (HB)	167.54*1.000000 + 83.77*1.000000 + 837.68*0.063000 + 74.24*0.179000				317.373	Cubic Metre
2	Qty of Hard murum	55.84*1.000000 + 98.99*1.000000				154.830	Cubic Metre
3	Qty of Soft murum	20.94*1.000000				20.940	Cubic Metre
4	Qty of Soling stone	20.00*1.200000 + 74.24*0.150000				35.136	Cubic Metre
Total Uptodate Quantity:						528.280	Cubic Metre
Item No: 23	Surcharge on Royalty charges at the rate of two percent of Royalty charges for various building construction bonafied materials which are used for government bonafied works and for which Royalty charges are to be paid by the contractor. (This Item is to be paid to the contractor only after he pays this Surcharge amount to Revenue department and produces the required voucher.)						
1	Qty of Metal 40 mm & above (HB)	167.54*1.000000 + 83.77*1.000000 + 837.68*0.063000 + 74.24*0.179000				317.373	Cubic Metre
2	Qty of Hard murum	55.84*1.000000 + 98.99*1.000000				154.830	Cubic Metre
3	Qty of Soft murum	20.94*1.000000				20.940	Cubic Metre

Sr NO	Particulars	Number	Length	Breadth	Height	Quantity	Unit
4	Qnty of Soling stone	20.00*1.200000 + 74.24*0.150000				35.136	Cubic Metre
Total Uptodate Quantity:						528.280	Cubic Metre
Measured and recorded by me at the site of work  so1mrj Project Officer (B & C) Panchayat Samiti, Miraj				Checked by me at the site of work  dyemrj Deputy Engineer Panchayat Samiti, Miraj			
Executive Engineer Checking:							
Item No	Item Description	Measurements					
1	Excavation for roadway in earth, soil or SM.	1					
2	Supplying 60 mm trap metal, by breaking boulders. (Hand broken).	1, 2					
4	Spreading 60 mm metal for road work.	1, 2					
7	Supplying 40 mm trap metal, by breaking boulders. (Hand broken).	1					
15	P/L concrete pipes of I.S.N.P. class of 300 mm dia.	1					
16	Providing rubble filling of trap stones for foundations with grit.	1					
17	Providing selected HM filling.	1					
Checked measurements 2.94% . (Value Rs34,306.13.)		 EE2 Executive Engineer Zilla Parishad, Sangli					
<p style="text-align: right;"> I have Checked all the measurements and I accept the measurements Date :28-12-2023  big , sangli </p>							

Passed for Rs.1452551.00 (One Lakh Four Hundred Fifty Two Thousand Five Hundred Fifty One and Paise)



**EE2
Executive Engineer
Zilla Parishad, Sangli**

Amount	Details
0.00	Additional S.D:
500.00	Security Deposite:
0.00	Insurance: 1.00%
0.00	Labour Cess: 1.00%
0.00	Income Tax: 2.00%
12454.45	CGST: 1.00%
12454.45	SGST: 1.00%
0.00	Royalty: charges
0.00	Fine:
0.00	Audit Recovery:
1427142.00	Cheque Amount
1452551.00	Total

C.A & F.O

Zilla Parishad, Sangli