

**Zilla Parishad, Sangli**

**Panchayat Samiti, Miraj**

**FORM NO-52**  
**MEASUREMENT BOOK**

MB NO : 1471140000010001

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 &amp; Final Bill

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

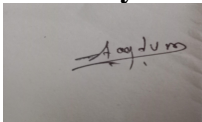

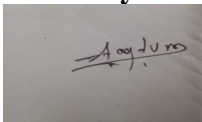

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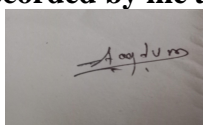

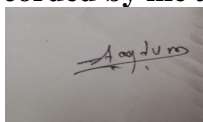

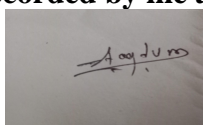

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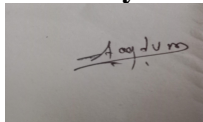

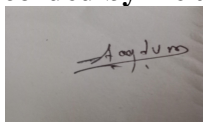

**WorkOrder No:** ZPSGL/WO/2515/33532 **WorkOrder Date:** 20-10-2023

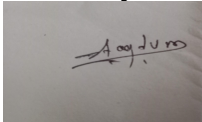

**Actual Date of Completion:** 20-10-2023 **Date of Measurement:** 28-12-2023

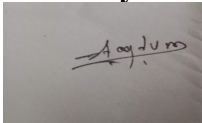

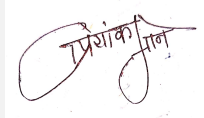
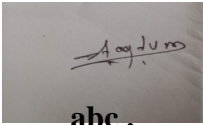
Sr NO	Particulars	Number	Length	Breadth	Height	Quantity
Record Entry No :1			Date :01-12-2023			
Item No: 1	Excavation for roadway in earth, soil of all sorts, sand, gravel or soft murum including dressing section to the required grade, camber and side slopes and conveying the excavated materials with all lifts upto a lead of 50 metre and spreading for embankment or stacking as directed. By Mechanical Means.					
1		17				17.000
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)	265				265.000
2	Matrial Utilized	163.44				163.440
3	Balance Matrial (Not for payment)	265.00 - 163.44				101.560
Item No: 3	Supplying hard murum / kankar at the road site, including conveying and stacking, excetra complete.					
1	Stack of HM (Not for payment)	225				225.000
2	HM Utilized	122.93				122.930
3	HM Balance (Not for payment)	225.00 - 122.93				102.070
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).					

Sr NO	Particulars	Number	Length	Breadth	Height	Quantity
1	Stack of 40 mm Metal (Not for payment)	142.4				142.400
2	Utilized 40 mm Metal	73.2				73.200
3	Balance 40 mm Metal (Not for payment)	142.40 - 73.20				69.200
Item No: 9	Supplying soft murum at the road site, including conveying and stacking, excetra complete.					
1	Stack of SM (Not for payment)	35.6				35.600
2	25.00 % of Utilized 40 mm Metal	0.2500*(73.20)				18.300
3	Balance of SM (Not for payment)	35.60 - (0.2500*(73.20))				17.300
Item No: 20	Supplying and laying laterite stones upto 20 kilogram for Filter / Core layer including conveying with all the leads, lifts, laying in required lines, level, slope as per drawing including necessary equipments and machinery as directed by, excetra complete in tidal conditions.					
1		52.77				52.770
Measured and recorded by me at the site of work  Sectional Engineer , Panchayat Samiti, Miraj			Checked by me at the site of work  Dy Executive Engineer , Panchayat Samiti, Miraj			
Record Entry No :2			Date :04-12-2023			
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		5				5.000
Item No: 16	Providing rubble filling of trap stones for foundations including filling voids with grit and compaction, excetra complete.					
1		20.55				20.550
Measured and recorded by me at the site of work  Sectional Engineer , Panchayat Samiti, Miraj			Checked by me at the site of work  Dy Executive 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	Qty as per Item2 Meas2	163.44				163.440

Sr NO	Particulars	Number	Length	Breadth	Height	Quantity
Item No: 17	Providing selected hard murum filling including laying in layers of 15 centimetre to 20 centimetre, watering and compacting, excetra compelte.					
1		100				100.000
Measured and recorded by me at the site of work 			Checked by me at the site of work 			
Sectional Engineer , Panchayat Samiti, Miraj			Dy Executive Engineer , Panchayat Samiti, Miraj			
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		745				745.000
Measured and recorded by me at the site of work 			Checked by me at the site of work 			
Sectional Engineer , Panchayat Samiti, Miraj			Dy Executive 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	Qty as per Item3 Meas2	122.93				122.930
Item No: 8	Spreading 80 milimetre / 40 milimetre metal for road work including sectionong, excetra complete as directed by Engineer in charge.					
1	Utilized 40 mm Metal	73.2				73.200
Measured and recorded by me at the site of work 			Checked by me at the site of work 			
Sectional Engineer , Panchayat Samiti, Miraj			Dy Executive 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	25.00 % of Utilized 40 mm Metal	0.2500*(73.20)				18.300
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.					

Sr NO	Particulars	Number	Length	Breadth	Height	Quantity
1		705				705.000
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		570				570.000
Measured and recorded by me at the site of work 		Checked by me at the site of work 				
Sectional Engineer , Panchayat Samiti, Miraj		Dy Executive 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		1200				1200.000
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		1200				1200.000
Item No: 19	Providing cast in situ / ready mix block of M-10 cement concrete with circular or other shaped opening for waterway including necessary formwork, compaction, finishing and curing excetra complete. (with reversible drum type mixer/ concrete batch mix plant (pan mixer) with Supervisory Control and Data Aquisition with fine agreegates of required specifications (Natural sand / VSI sand finely washed etc ), cement 4.05 bags/cumt) (using NATURAL SAND).					
1		9.95				9.950
Measured and recorded by me at the site of work 		Checked by me at the site of work 				
Sectional Engineer , Panchayat Samiti, Miraj		Dy Executive Engineer , Panchayat Samiti, Miraj				
Record Entry No :8		Date :10-12-2023				

Sr NO	Particulars	Number	Length	Breadth	Height	Quantity
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		200				200.000
Measured and recorded by me at the site of work 			Checked by me at the site of work 			
Sectional Engineer , Panchayat Samiti, Miraj			Dy Executive Engineer , Panchayat Samiti, Miraj			
Record Entry No :9			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	Qnty of Metal 40 mm & above (HB)	163.44*1.000000 + 73.20*1.000000 + 1200.00*0.063000 + 200.00*0.179000				348.040
2	Qnty of Hard murum	122.93*1.000000 + 100.00*1.000000				222.930
3	Qnty of Soft murum	18.30*1.000000				18.300
4	Qnty of Soling stone	20.55*1.200000 + 200.00*0.150000				54.660
5	Qnty of Sand	200.00*0.089500 + 9.95*0.470000				22.577
Item No: 22	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 the Royalty amount to Revenue department and produces the required voucher.)					
1	Qnty of Laterite Stone	52.77*1.000000				52.770
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	Qnty of Metal 40 mm & above (HB)	163.44*1.000000 + 73.20*1.000000 + 1200.00*0.063000 + 200.00*0.179000				348.040
2	Qnty of Hard murum	122.93*1.000000 + 100.00*1.000000				222.930
3	Qnty of Soft murum	18.30*1.000000				18.300
4	Qnty of Soling stone	20.55*1.200000 + 200.00*0.150000				54.660
5	Qnty of Sand	200.00*0.089500 + 9.95*0.470000				22.577

Sr NO	Particulars	Number	Length	Breadth	Height	Quantity
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	Qnty of Laterite Stone	52.77*1.000000				52.770
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	Qnty of Sand	200.00*0.089500 + 9.95*0.470000				22.577
Measured and recorded by me at the site of work 		Checked by me at the site of work 				
Sectional Engineer , Panchayat Samiti, Miraj		Dy Executive Engineer , Panchayat Samiti, Miraj				
Executive Engineer Checking:						
Item No	Item Description		Measurements			
13	Providing 20 milimetre thick premix bituminous carpet including applying tack coat & Type-A seal coat.		1			
Checked measurements 161.92% . (Value Rs2,800,500.00.)			 Executive Engineer , Zilla Parishad, Sangli			
I have Checked all the measurements and I accept the measurements Date :28-12-2023  abc ,						