

**Zilla Parishad, Sangli**

**Panchayat Samiti, Miraj**

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

MB NO : 1471140000010002

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 :2nd&amp; Final Bill


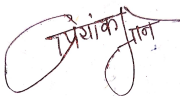
**Name of Work:** S.T.B.T. To Internal Road at Samdoli, Taluka Miraj, District Sangli. (Nagari Suvidha 2019-20)


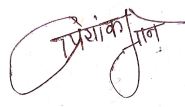
**Agency:** Abceconstruction




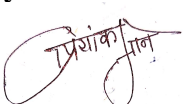
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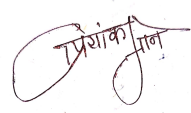
**WorkOrder No:** ZPSGL/WO/2515/33532 **WorkOrder Date:** 20-10-2023

**Actual Date of Completion:** 20-10-2023 **Date of Measurement:** 06-01-2024

Sr NO	Particulars	Number	Length	Breadth	Height	Quantity
Record Entry No :1			Date :31-12-2023			
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		14.6				14.600
Measured and recorded by me at the site of work  Sectional Engineer , Panchayat Samiti, Miraj		Checked by me at the site of work  Deputy Engineer (B & C) , Panchayat Samiti, Miraj				
Record Entry No :2			Date :01-01-2024			
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		265.00 - 163.44				101.560
Item No: 3	Supplying hard murum / kankar at the road site, including conveying and stacking, excetra complete.					
1		225.00 - 122.93				102.070
Item No: 4	Spreading 60 mm metal for road work including sectionong, excetra complete as directed by Engineer in charge.					

Sr NO	Particulars	Number	Length	Breadth	Height	Quantity
1		225.00 - 122.93				102.070
Item No: 5	Spreading hard murum / soft murrum / gravel or kankar for side width, excetra complete.					
1		225.00 - 122.93				102.070
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		811.46				811.460
Measured and recorded by me at the site of work    Sectional Engineer , Panchayat Samiti, Miraj			Checked by me at the site of work    Deputy Engineer (B & C) , Panchayat Samiti,  Miraj			
Record Entry No :3			Date :03-01-2024			
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		142.40 - 73.20				69.200
Item No: 8	Spreading 80 milimetre / 40 milimetre metal for road work including sectionong, excetra complete as directed by Engineer in charge.					
1		142.40 - 73.20				69.200
Item No: 9	Supplying soft murum at the road site, including conveying and stacking, excetra complete.					
1		17.3				17.300
Item No: 10	Spreading hard murum / soft murrum / gravel or kankar for side width, excetra complete.					
1		17.3				17.300
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.					
1		720				720.000

Sr NO	Particulars	Number	Length	Breadth	Height	Quantity
Measured and recorded by me at the site of work  Sectional Engineer , Panchayat Samiti, Miraj		Checked by me at the site of work  Deputy Engineer (B & C) , Panchayat Samiti,  Miraj				
Record Entry No :4		Date :05-01-2024				
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 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		1010				1010.000
Measured and recorded by me at the site of work  Sectional Engineer , Panchayat Samiti, Miraj		Checked by me at the site of work  Deputy Engineer (B & C) , Panchayat Samiti,  Miraj				
Record Entry No :5		Date :06-01-2024				
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		1010				1010.000
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)	101.56*1.000000 + 69.20*1.000000 + 1010.00*0.063000 + 0.00*0.179000				234.390
2	Qnty of Hard murum	102.07*1.000000 + 0.00*1.000000				102.070
3	Qnty of Soft murum	17.30*1.000000				17.300

Sr NO	Particulars	Number	Length	Breadth	Height	Quantity
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)	101.56*1.000000 + 69.20*1.000000 + 1010.00*0.063000 + 0.00*0.179000				234.390
2	Qnty of Hard murum	102.07*1.000000 + 0.00*1.000000				102.070
3	Qnty of Soft murum	17.30*1.000000				17.300
<b>Measured and recorded by me at the site of work</b>    <b>Sectional Engineer , Panchayat Samiti, Miraj</b>		<b>Checked by me at the site of work</b>    <b>Deputy Engineer (B &amp; C) , Panchayat Samiti, Miraj</b>				