

Estimation for the work of Restoration of Gas Line Trench-Ward Roads

Particula	unit	Lenth			Quantity	Rate incl weighta			
		Lenth	width	depth					
<p>KSRRB M500-19 Providing and laying bituminous concrete 30-45mm thick with 60/70 grade 40-60HMP batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specific grading, premixed with bituminous binder at 5.4 to 5.6% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No.500.9 complete in all respects as per specifications.MORTH Specification No.509 Page NO</p> <p>Basic Rate. PWD SR 2014-15 P 161 No .22.6 10624</p> <p>Lead (15 Kms) 72.75</p> <p>Total: 10696.75</p> <p>Area Weightage (8%) 855.74</p> <p>Total: 11552.49</p>	Cum	1	1.2	0.025	0.03	11552.49	346.57		
<p>KSRRB M500-1 O. Tack Coat:- Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.20 kg per sqm on the prepared bituminous/granular surface cleaned with mechanical broom. complete as per specifications. MORTH Specification No. 503 - do - using bitumen emulsion</p> <p>Basic Rate.PWD SR 2014-15 P N 157 IN 21.70 17.35</p> <p>Area Weightage (8%) 1.388</p> <p>Total: 18.74</p>	Cum	1	1.2		1.2	18.74	22.49		
<p>KSRRB M500-6. Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification</p> <p>Basic Rate.PWD SR 14-15 Page No 157 Item 32.6</p> <p>Area Weightage (8%) 2.608</p> <p>Total: 35.21</p>	Cum	1	1.2		1.2	35.21	42.25		
<p>KSRRB M400-17: Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and</p> <p>Basic Rate.PWD SR 2014-15 Page No 154 Item No 1332</p> <p>Area Weightage (8%) 106.56</p> <p>Total: 1438.56</p>	Cum	1	1.2	0.25	0.3	1438.56	431.57		
<p>KSRRB M400-6.2 Construction of granular sub-base by providing close graded material, spreading in uniform layers with motor grader on prepared surface, mising by mix in place method by rotavator at OMC, and compacting with vibratory power roller to achieve the</p> <p>Basic Rate.PWD SR 2014-15PN 151 IN 20.5.2 1103</p> <p>Lead (15 Kms) 72.75</p> <p>Total: 1175.75</p> <p>Area Weightage (8%) 94.06</p> <p>Total: 1269.81</p>	Cum	1	1.2	0.25	0.3	1269.81	380.94		
<p>Gravel</p> <p>Basic Rate. PWD SR 14-15 P No II Serial no 57 120</p> <p>Lead (15 Kms) 72.75</p> <p>Total: 192.75</p> <p>Area Weightage (8%) 15.42</p> <p>Total: 208.17</p>	Cum	1	1.2	1.68	2.016	208.17	419.67		
Total:							1643.50		

Estimation prepared by PWD SR 2014-15

Junior Engineer (OFC)

Asistance Executive Engineer

Executive Engineer

28/4/15


Road int portion
 Estimation for the work of Restoration of Gas Line Trench- Arterial / Sub-Arterial Roads

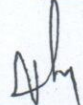
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
Particula	unit	Lenth			Quantity	Rate including 8% weightage	Amount
		Lenth	width	depth			
KSRRB M500-19 Providing and laying bituminous concrete 30-45mm thick with 60/70 grade 40-60HWP batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5.4 to 5.6% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No.500.9 complete in all respects as per specifications.MORTH	Cum	1	1.2	0.04	0.048	11552.49	554.52
Basic Rate. PWD SR 2014-15 P 161 No .22.6						10624	
Lead (15 Kms)						72.75	
Total:						10696.75	
Area Weightage (8%)						855.74	
Total:						11552.49	
KSRRB M500-1 O. Tack Coat:- Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.20 kg per sqm on the prepared bituminous/granular surface cleaned with mechanical broom. complete as per specifications. MORTH Specification No. 503 - do - using bitumen emulsion	Cum	1	1.2		1.2	18.74	22.49
Basic Rate. PWD SR 2014-15 P N 157 IN 21.70						17.35	
Area Weightage (8%)						1.388	
Total:						18.74	
Providing and laying dense bituminous macadam 50-75mm compacted thickness with 4.5% bitumen 60/70 grade, contents on prepared surface with specified graded crushed aggregates for base / binder course including loading of material with F.E. loader, heating of binder aggregates and filter in hot mix plant 40-60 TPH, transporting the mixed material by tipper and laying with paver finisher to the required level and grade, rolling by power roller to achieve the desired density (but excluding primer / tack coat) to a lead upto 20km	Cum	1	1.2	0.05	0.06	9141.93	548.52
Basic Rate. PWD SR14-15P No 159 I N21.17.1						8392	
Lead (15 Kms)						72.75	
Total:						8464.75	
Area Weightage (8%)						677.18	
Total:						9141.93	
KSRRB M500-6. Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification	Cum	1	1.2		1.2	35.21	42.25
Basic Rate. PWD SR 14-15 Page No 157 Item						32.6	
Area Weightage (8%)						2.608	
Total:						35.21	
KSRRB M400-17: Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.MORTH Specification	Cum	1	1.2	0.5	0.6	1438.56	863.14
Basic Rate. Page No 154 Item No 20.18						1332	
Area Weightage (8%)						106.56	
Total:						1438.56	
KSRRB M400-6.2 Construction of granular sub-base by providing close graded material, spreading in uniform layers with motor grader on prepared surface, mising by mix in place method by rotavator at OMC, and compacting with vibratory power roller to achieve the desired density, complete as per specifications. B by mix in place method, For Grading II	Cum	1	1.2	0.3	0.36	1269.81	457.13
Basic Rate. PWD SR 2014-15PN 151 IN 20.5.2						1103	
Lead (15 Kms)						72.75	
Total:						1175.75	
Area Weightage (8%)						94.06	
Total:						1269.81	
Gravel	Cum	1	1.2	1.31	1.572	208.17	327.24
Basic Rate. PWD SR 14-15 P No II Serial no 57						120	
Lead (15 Kms)						72.75	
Total:						192.75	
Area Weightage (8%)						15.42	
Total:						208.17	

Total: 2815.29

Information prepared by PWD SR 2014-15


 Junior Engineer (OFC)


 Asistance Executive Engineer


 Executive Engineer
 28/11/15

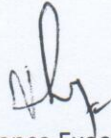
Estimation for Atual cast of construction cacha footpath

S.N	Particula		unit	Lenth			Quantity	Rate including 8% weightage (SR 2014-	Amount
				Lenth	width	depth			
1	Gravel		Cum	1	1.2	2.2	2.64	208.17	549.57
	Basic Rate. Page No II Serial no	120							
	57								
	Lead (15 Kms)	72.75							
	Total:	192.75							
Area Weightage (8%)		15.42							
Total:		208.17					Total: 549.57		

Estimation prepared by 2014-15 SR
 Rounded Rupees Five hundred and Fifty Rupees only



Junior Engineer (OFC)



Asistance Executive Engineer

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