

Schedule XLV-Form No. 134

223 No
607
2023-24
Name of work: - Soriya to Mengheriya PMSY Road
at ch 3850 M se Bharwariya Bari Paseri Tola
Length: - 1.14 km
Averaj

DIVISION

4515.52

SUB-DIVISION

MEASUREMENT BOOK

1.

Name of work -

Situation of work -

Agency by which work is executed -

Date of measurement -

No. and date of agreement.

(These four lines should be repeated at the commencement of the measurements relating to each work).

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work:-	M/s Construction of				
	Road from Seriya to Mengheriya				
	PMGSY Road at Ch 3850M se -				
	Bherwalia Bani Paseri Tola				
Agency:-	M/s Pratik Construction				
	Reg. No.-1180281, Vill:- Raja Bazar,				
	Medi hari				
Agreement No.:-	02 SPD/2023-24				
Date of start:-	28-6-2023				
Date of work completion:-	27-6-2024				
Date of measurement:-	14.12.23				
Details of workdone:-					
(100)	Providing and fixing of				
	working benchmark pillars				
	at NO. 1 km & 4 Nos of Ref. Pillars				
	required for 1 km as per				
	drawing given and direction				
	of EPD.				
	working Benchmark pillars				
	→ 1.14 km				
(2/101)	Reference pillars → 1.14 km				
(3/102)	clearing and grubbing road-				
	land etc all complete job.				
	6430.00M ² x 1.50M = 540M ²				

Continuation C-03 540M²

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
				B.F →	540.00 M ²
clean & grubbing	1	20.00 M	2	1.50 M	= 60.00 "
"	1	30 M	2	2.5 M	= 150.00 "
"	1	20 M	2	2.50 M	= 100.00 "
"	1	6	30.00 M	2	2.50 M = 240.00
"	1	20.00 M	2	2.00 M	= 80.00 "
"	1	1	30.00 M	2	1.80 M = 118.00 "
"	3	30.00 M	2	2.00 M	= 360.00 "
"	1	25.00 M	2	2.00 M	= 100.00 "
				Total →	4978 M ²
				Limited to	4560 M ²
					or 0.456 Hec
(4/103)	Excavation for roadway 2m				

	Soil using manual means etc			
	all complete for			
Box cutting for widening	For Provision of rigid pavement:			
"	17	30.00 M	2	0.375 M × 0.10 M = 38.25 M ³
"	1	20.00 M	2	0.375 M × 0.10 M = 1.50 "
	For Provision of flexible road			
	2	30.00 M	2	0.525 M × 0.10 M = 6.30 "
				Total → 46.05 M ³
	Calculation of E/W 2m Embk			
CC portion	6	30 M	2	0.60 M × 0.30 M = 64.80 M ³
"	1	20 M	2	0.50 M × 0.30 M = 6.00 "
For 1000 M Lead	10	30.00 M	2	0.30 M × 0.20 M = 36.00 "
				Total → 106.80 M ³
				(For 1000 M Lead)

Continuation

Continuation

Further Measurement

4

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
Date of Measurement:	22.				12.7.23
Details of work done:					
(1/106) Construction of Subgrade & Earthen shoulders with approx material obtained from borrow pits with a lead of 1000m etc all complete job.					
gn flexible road.	5	30.00M	7.275M	0.30M	= 327.375M ³
"	5	30.00M	7.275M	0.30M	= 327.375 "
"	5	30.00M	7.275M	0.30M	= 327.375 "
"	1	30.00M	7.275M	0.30M	= 65.475 "
"	1	20.00M	7.275M	0.30M	= 43.65 "
				Total	1091.25 M ³
(2/107) Construction of Granular sub-base by providing well graded material etc all complete job.					
gn flexible portion					
gn flexible Correction	10	2.50M	2.00M	0.10M	= 5.00 M ³
"	2	1.20M	0.80M	0.10M	= 0.192 "
For widening	2	30.00M	2.00M	0.10M	= 6.30 "
				Total	11.492 M ³
(3/112) Construction of Granular Sub base by providing well graded material etc all complete job.					
C.C. portion	15	0.80M	0.60M	0.10M	= 0.72 M ³
Profile Correction	20	1.20M	0.50M	0.10M	= 1.20 "
Continuation					0.03 + 7.79 M ³ 1.92

Continuation

Further Measurement

G

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
Date of Measurement: -	27.12.23				
Details of work done: -					
(1/107)	Construction of Granular Subbase by providing well graded material etc all complete job.				
	<u>Flexible Portion (615M)</u>				
In widening portion	2	30.00M	4.05M	0.10M	= 24.30 m ³
GSB in Earthen portion	5	30.00M	4.05M	0.20M	= 121.50 "
"	5	30.00M	4.05M	0.20M	= 121.50 "
"	5	30.00M	4.05M	0.20M	= 121.50 "
"	3	30.00M	4.05M	0.20M	= 72.90 "
"	1	15.00M	4.05M	0.20M	= 12.15 "
				Total	473.85 m ³
(2/112)	Construction of Granular Subbase by providing well-graded material etc all complete job.				
	<u>C.C. Portion</u>				
Emmen portion	1	30.00M	3.75M	0.10M	= 11.25 m ³
"	1	20.00M	3.75M	0.10M	= 7.50 "
				Total	18.75 m ³
				10/20/23	
				27/12/23	
				ME	

Continuation

Further Measurement

7

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
Date of Measurement:	-	51	1.2024		
Details of work done: -					
(1/108) Providing, laying, spreading and compacting stone aggregates of specific sizes to WBM G-3 specification etc all complete as per technical specification clause 405.					
In full width					Flexible Portion $(\frac{150+115}{2})M$
	16x	30.00M	3.75M	0.075M	$= 135.00M^3$
	1x	20.00M	3.75M	0.075M	$= 5.625M^3$
	3x	30.00M	3.75M	0.075M	$= 25.3125M^3$
	1x	25.00M	3.75M	0.075M	$= 7.03125M^3$
					Total $\Rightarrow 172.96875M^3$
					73
(2/113) Providing, laying, spreading & compacting stone aggregates of specific sizes to WBM G-3 Specification etc all complete as per technical specification clause 405.					
					C.C. Portion
	5x	30.00M	3.75M	0.075M	$= 42.1875M^3$
	5x	30.00M	3.75M	0.075M	$= 42.1875M^3$
	5x	30.00M	3.75M	0.075M	$= 42.1875M^3$
	4x	30.00M	3.75M	0.075M	$= 33.75M^3$
	1x	10.00M	3.75M	0.075M	$= 2.8125M^3$
					Total $\Rightarrow 163.125M^3$

Continuation

1st on A/c Bill

ABSTRACT OF COST

9

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
Name of Work:-	Construction of Road				
	from Soniya to Manghesiya				
	PMGSY Road at 3850 M SE				
	Bharwadiya Bani Paseri Tola.				
Agency:-	M/s Pratik Construction				
	Reg. No:- 1180281, Vill:- Raja Bajer				
	Motihari.				
Agreement No:-	02SB3/2023-24				
Date of start:-	28-6-2023				
Date of work completion:-	27-6-2024				
Details of work items:-					
(7/100)	Providing and fixing of working benchmark				
	Pillars & Ref. Pillars etc				
	all complete job.				
	Working Bench Mark Pillars etc.				
1.14 km	vide TMB, P-1				
	@ Rs 516511/km = Rs 5888 =				
(2/101)	Reference Pillars.				
1.14 km	vide TMB, P-1				
	@ Rs ^{2438.90} 2212.23 /km = Rs 2,771 =				
(3/102)	clearing and grubbing				
	road land etc all				
	complete job.				
0.456 Hec	vide TMB, P-2				
	@ Rs 72697.86/Hec = Rs 33,150 =				
	C.O.R. 41,809 =				

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
					B.F. = 41,807 = 10
(4/103)	Excavation for road -				
	way in soil using				
	manual means etc				
	all complete job.				
46.05 M ³	vide TMB, P-2				
	@ Rs 103.85 / M ³				= Rs 4,782 = 10
(5/104)	Construction of Embank.				
	with material obtained				
	from borrow pits with				
	a lead of 100m etc				
	all complete job.				
106.80 M ³	vide TMB, P-3				
	@ Rs 258.52 / M ³				= Rs 27,610 = 10
(6/105)	For 100m lead				
585.00 M ³	vide TMB, P-3				
	@ Rs 175.01 / M ³				= Rs 1,02,381 = 10
(7/106)	Construction of Subgrade				
	and Earthen shoulders				
	etc all complete job.				
1091.75 M ³	vide TMB, P-4				
473.55 M ³	" " P-8				
T= 1564.80 M ³	@ Rs 263.33 / M ³				= Rs 4,12,059 = 10
(8/107)	Construction of Granular				
	Sub base etc all complete job.				
11.492 M ³	vide TMB, P-4				
473.85 M ³	" " P-6				
T= 483.342 M ³	@ Rs 44.65.12 / M ³				= Rs 21,67,110 = 10
					C.03 Rs 27,55,751 = 10

Continuation

Continuation Total 23,515,921.8 = 00

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