PMGSY SC

आजमनगर

Schedule XLV-Form No.-134

Const. of Road & CD work from PMGSY path Jhagir to South Mahadipara.

DIVISION

Agreement Value — 87,04,377 =00

Agreement No — 23/SBD/18-19

SUB-DIVISION

348

26/4/18

MEASUREMENT BOOK

राजेश कुमार सिंह, पूर्णियाँ

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	

Name of work:- Const. of Road & CD Work from pucca Road Jakagir to South Maladdipara

Agency:- Rajesh Kumar Singh, purnia.

Authority:- E.E, R.W.D, Manihari

Agreement No:- 23/SBD/18-19

Agreement Date:- 26/04/18

Agreement Value:- 87,04,377.00

D/commencement:- 05/04/18

D/completion:- 04/04/19

QM- MMGSY (EC)

Block:- Azamnagar.

Road:- 1.445 Km.

Record Measurement

(1)	providing Granular Sub-base with well graded material					
	do- do all compt.					
	6	30.00m	2.50m	0.10m	=	4.50 M³
	3	3.50m	2.00m	0.10m	=	2.10 M³
	8	$\frac{8.50+7.50}{2}$		0.10m	=	8.40 M³
	2	$\frac{8.50+7.50}{2}$		0.10m	=	7.0 M³
	8	$\frac{4.00+4.50}{2}$		0.10m	=	2.55 M³
				Qty:		22.55 M³

Continuation

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(7) Construction of Sub-Grade & earthen Shoulder with approved material -do- -do- in G.S.B. portion.					
2×6×30m×1.388m×0.20m =					99.936 m³
2×5×30.00m×1.388×0.20m =					83.28 "
2×1×10m×1.388m×0.20 =					5.552 "
2×1×5m×1.388m×0.20 =					2.776 "
B/F —					191.544 m³
(8) providing and applying laying W.B.M. Grade with well graded material -do- -do- all complete.					
2×30m×3.750×0.075 =					59.062 m³
1×10m×$\frac{7.0+5.0}{2}$×0.075 =					4.50 "
1×16m×$\frac{7.0+6.5}{2}$×0.075m =					8.100
1×9.00m×$\frac{4.0+5.5}{2}$×0.075 =					3.206 "
3×30m×3.75m×0.075 =					25.312 "
1×10m×$\frac{6.0+5.0}{2}$×0.075 =					4.125 "
1×7m×$\frac{3.5+3.8}{2}$×0.075 =					1.916 "
B/F —					107.252 m³

Continuation

Sch. ~~XLV~~ Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(3)	Const. of Earthen Shoulder with approved material obtain from borrow pits in ABH portion.				
	2×4×	30.0m ×	1.182 ×	0.025 =	21.276 m³
	2×2×	30.0m ×	1.182 ×	0.025 =	10.638 "
	2×5×	30.0m ×	1.182 ×	0.025 =	26.595 "
	2×1×	10.0m ×	1.182 ×	0.025 =	1.773 "
	2×1×	5.0m ×	1.182 ×	0.025 =	0.886 "
				Qty –	61.168 m³
	~~2×1×11m × 1.151+1.182 / 2 × 0.025~~				~~= 1.923 "~~
	~~2×1×10m × 1.182+1.180 / 2 × 0.025~~				~~= 1.771 m³~~
				Qty.	240.542
	Record Measurement				
(1)	providing and applying primer coat emulsion (SS1) on prepared surface				
	1×	10m ×	8.50+7.0m / 2	–	77.50 m²
	5×	30m ×	3.75m	=	562.50 "
	6×	30.0m ×	3.75m	=	675.0 "
	1×	90.0m ×	4.0+5.0 / 2	=	90.0 "
	1×	7.0m ×	6.0+5.0 / 2	=	38.50 "

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	1	10.00m	$\frac{4.10+3.90}{2}$		= 39.50 sq.m
	8	30.00m	3.75m		= 900.0 sq.m
	9	30.00m	3.75m		= 1012.5 sq.m
	1	30.00m	$\frac{4.10+4.90}{2}$		= 90.0 sq.m
	8	30.00m	3.75m		= 900.0 sq.m
	6	30.00m	3.75m		= 675.0 sq.m
	1	10.00m	$\frac{3.75+4.50}{2}$		= 41.25 sq.m
	1	7.00m	$\frac{3.80+5.00}{2}$		= 30.80 sq.m
				Total	— 5132.55 sq.m
(2)	providing and applying tack coat with Bitumen emulsion @ 10 kg/10 sq.m				
	Area vide Table B Item 22/1				5132.55 sq.m
(3)	providing and laying and rolling close grass turf with Surface Mass Type B-				
	Qty vide Item 22/1				— 5132.55 sq.m
	Record Measurement				
(1)	Construction of un-reinforcement with plain cement Concrete M 30 Grade — do — do all Comp RCC.				

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	3	30m	3.75m	0.16	54 m³
	1	16m	3.75m	0.16 m	9.60 m³
					63.60 m³
				Limit-	61.20 m³
(2) Const^n of Partition Shutter with approved material do—do all comb job in p.c.c portion					
	2	3×30m	3.75	0.16	10.80 m³
	2	1×16m	3.75	0.16	5.06 m³
					1.92 m³
					0.90 m³
				Qty =	12.72 m³
				Limit-	12.00 m³
(3) providing ordinary KM stone do— do all comb rate					1 Nos.
(4) P/D/A 200m stone precast do— do—					6 Nos.
(5) printing new letter and figure of any shade do— do—	5	44.0	—		220.0

21/3/20 AE

2/10/20

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	Record measurement				
(1)	Const. of Embankment				
	with Material obtain				
	from borrow pits				
	lead up to 1000m ...				
Sl.No.	Ch.	Length	c/s Area	Mean Area	Qty
(m)	(m)	(m)	(m²)	(m²)	(m³)
1.	0.0	0.0	5.772	0.0	0.0
2.	50.0	50.0	5.489	5.631	281.525 m³
3.	100.0	50.0	6.257	5.873	293.650
4.	150.0	50.0	6.052	6.155	307.725
5	200.0	50.0	4.602	5.327	266.350
6	250.0	50.0	4.901	4.752	237.575
7.	300.0	50.0	3.131	4.016	200.800
8.	350.0	50.0	2.580	2.856	142.775
9	400.0	50.0	2.724	2.652	132.600
10	450.0	50.0	2.074	2.399	119.950
11	500.0	50.0	3.948	3.011	150.550
12	550.0	50.0	7.180	5.564	278.200
13	600.0	50.0	4.767	5.974	298.675
14	650.0	50.0	5.294	5.031	251.575
15	700.0	50.0	7.886	6.590	329.500
16	750.0	50.0	7.481	7.684	384.175
17	800.0	50.0	4.838	6.160	307.975
18.	830.0	30.0	4.626	4.732	141.960
	Gap				
19	832.0	0	4.611	4.619	0.00
20	850.0	17.80	5.579	5.065	90.157

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
21	9000	50.0	5.329	5.449	272.450
22	9500	50.0	6.356	5.818	290.875
23	10000	50.0	5.552	5.889	294.450
24	10500	50.0	6.228	5.875	293.750
25.	11000	50.0	5.963	6.096	304.775
26.	11500	50.0	5.160	5.562	278.075
27	12000	50.0	5.192	5.176	258.800
28.	12120	12.0	5.074	5.133	61.596
		Gap.			
29	1213.80	0.0	5.056	5.065	0.0
30	12500	36.20	5.335	5.196	188.097
31	13000	50.0	7.595	6.465	323.250
32	13500	50.0	3.865	5.730	286.50
33	13550	5.0	3.953	3.909	19.545
		Gap			
34	1356.0	0	3.981	3.969	0.00
35	14000	43.40	3.790	3.886	168.631
36.	14650	45.0	4.085	3.938	177.188
				Net Qty –	7433.628
Less subgrade/Shoulder				P-15/5	1061.44 "
				P-16/6	745.55 "
				P-21/2	191.544 "
				P-22/3	61.168 "
				P-24/2	12.0 "
Less G.S.6		—		P-16/7	1126.95 "
				P-20/1	22.55 "
Less D.B.M		—		P-16/8	309.38 "
				P-21/2	107.252 "

(P.T.O)

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
less p.c.c — P- 23/1					61.20 M3
Net Qty of B/D					3734.594 M3
				limit -	3711.114 M3
(2) Lonst of Embankment obtain borrow pit lead upto 1000m -					
Qty as above —					3711.114 M3
(A) 95% of 3711.114 M3 —					3525.55 M
				(A) limit -	3509.59
Less previouse Qty P 8/3 (-)					2632.20 M3
				Net Qty -	877.39 M3
(2) Lonst of Embankment					
Obtain borrow pit lead upto 1000m. — do —					
Qty as above —					3711.114 M3
Less Qty 2(A)				(-)	3509.59 M
				Net Qty =	201.52 M3
Less previouse Qty P 8/4 (-)					151.24 M3
				Net Qty —	50.38 M3
(2) P/Fill					
3rd & final bill					
(1) P/DF 600mm equilateral triangle sign Board —					4 NO.
(2) P/DF 600mm x 450mm rectangular sign Board —					2 NO

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
③ providing painting lines Dashes, Arrow Two coats on New work. ~~do~~ do					
	2	4 x 30.0m	x 0.100m	=	24.0
	2	6 x 30m	x 0.100m	=	36.0
	2	2 x 30.0m	x 0.100m	=	12.0
	2	1 x 5.0m	x 0.100m	=	1.00
	2	10 x 30m	x 0.100m	=	60.0
	2	20 x 30.0m	x 0.100m		1200.0
	2	2 x 3.0m	x 0.100	2	12.0
	2	1 x 20m	x 0.100	2	4.04
				8+4 :	269.04

22/3/022 AE

Continuation

ABSTRACT
(3rd and 2nd final bill)

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(1) providing and fixing of working Benchmark pillar -do- do- complete Qty vide THB-P- 15/1					
1.445 Kg @ 13912-89/Kg — Rs					19760-00
(2) Clearing and Grubbing road land -do- do. Qty vide THB-P- 15/2					
1.01 Hec @ 47809-39/Hec — Rs					48287-40
(3) Const. of Embankment with approved material. Qty vide THB P- 2632.70 m³ — P- 15/3					
877.39 m³ — P 23(2)					
3509.59 m³ @ 106-44/m³ — Rs					373560-75
(4) Const. of Embankment with approved material lead upto 1000m. Qty vide THB.					
151.14 m³ — P- 16/4					
50.38 m³ — P 23/(22)					
201.52 m³ @ 147-69/m³ — Rs					29762-48
(5) Const of subgrade & earthen shoulder -do- Qty vide THB.					
1061.44 m³ — P 16/5					
745.55 m³ — P 16/6					
191.544 m³ — P 21/2					
					Rs- 471570-63

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
61.168 m³			P 22/3		
12.0 m³			P 24/2		
2071.70 m³ @	149.83/m³			Rs	310382.09
⑥ providing Granular Sub base with Well Graded material — do — Qty vide T.M.B					
1126.95 m³			P 16/7		
22.55 m³			P 20/1		
1149.50 m³					
Limit 1149.49 m³ @	3165.12/m³			Rs	3638273.78
⑦ providing laying spreading and compacting					
WBM Gr. II — do — do					
Qty vide TMB					
309.381 m³			P 14/8		
107.252 m³			P 21/2		
416.632 m³					
Limit - 414.54 m³ @	3767.82/m³			Rs	1561912.10
⑧ providing and applying prime coat with Bitumen emulsion (MI) — do — do. Qty vide TMB - P - 22/1					
5132.55 m² @	47.12/m²			Rs	241845.75
⑨ providing and applying tack coat (RS1) with Bitumen emulsion — do — Qty vide TMB P - 23/2					
				Rs -	6223984.35

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
5132.55 m² @ 13=25/m² — Rs					68108=93
(10) providing and laying Mix seal Surface with Bitumen emulsion — do — Sly vide THB P- 23/3					
5132.55 m² @ 157=60/m² — Rs					808889=88
(11) Const^n of RR reinforced cement concrete pavement — do — do — Sly vide THB-P- 23/1					
61.20 m³ @ 7758=89/m³ — Rs					474795=10
(12) P/P/A ordinary RM Cem — do — do — Sly vide THB P- 24/3					
1 NOS @ 2516=63/NOS — Rs					2516=63
(13) P/P/F 200mm Stone — Sly vide THB P- 24/4					
6 NOS @ 663=73/NOS — Rs					3982=38
(14) P/F/F 'Logo' of MMGSY project Sign Board — Sly vide THB P- 24/9					
2 NOS @ 9660=44/NOS — Rs					19320=88
(15) printing raised letter and figure of any shade — do — do — Sly vide THB-P- 24/5					
220 CM @ 257=14/CM — Rs					113=08
					L
				Rs	760/711=23

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(16)	p/o/p Retro reflectorised 600 mm equilateral Sign Board — do — do — Bty vide THB-P- 22/1				
4 Nos	@ 1760=46/Nos — Rs				7041=84
(17)	p/o/p 600mm x 450mm rectangular Sign Board Bty vide THB P- 22/2				
2 Nos	@ 1822=15/Nos — Rs				3644=30
(18)	painting lines, Dashes Arrows on road — do — Bty vide THB-P- 23/3				
269.00	@ 119=74/m² — Rs				32263=86
(19)	E/o in Excavation for foundation of structure Bty vide THB P- A/10				
148.99	m³ @ 274=08/m³ — Rs				40909=67
(20)	providing M15 P.C.C as levelling course — do — Bty vide THB P- B/11				
22.975	m³ @ 6404=21/m³ — Rs				147136=72
(21)	plain/reinforced Cement Conc. in Sub structure Bty vide THB- B/12				
168.715	m³ @ 7347=64/m³ — Rs				1239657=08
(22)	P/P/F RCC NP-3 pipe for culverts — do — do Bty vide THB P- B/13				

Rs 9072364=70

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
37.500 m	@ 4481=56/m			— Rs	165058=50
(23)	Dismantling Rr Stacking				
	Structure — do —			do -	
	Qty vide TMB P- A/24				
5.65 m³	@ 458=10/m³			— Rs	2588=26
(24)	Dismantling R.C.C.				
	Structure — do —			do -	
	Qty vide TMB P- 15/15				
11.250 m³	@ 1027=01/m³			— Rs	11553=86
(25)	Dismantling lime				
	mortar — do —			do.	
	Qty vide TMB P- 15/16				
123.750 m³	@ 221=35/m³			— Rs	27372=06

Rs 9278957=38

Less 10% as Agg. Rs (-) 927895=73

Rs 8351061:64

Less previous payment (-) 5914427:00

Net payable Amount Rs. 2436634=64

Say Rs 2436635=00

22/3/20 AE

19/03/2020 SDO

Material Statement.

D/N — 1192.48 m³

Stone Aggr. — 13.5 m³ @ 488.83

5.21 m³ @ 378.69

127.24 m³ @ 375.43

25.23 @ 257.32

138.57 @ 297.28

Continuation