मुख्य मंत्री ग्राम संपर्क योजना

M.B.NO.-3444

Schedule XLV-Form No. 134

जलालपुर प्रखण्ड में टेकनिवास जलालपुर पथ से रामनगरा तक पथ-

एकरारना सं० - 32/SBD/2021-22

पर्यवेक्षक - श्री रामबाबू कुमार

DIVISION

श्री हिमांशु शेखर प्रसाद सहा० अभि०)

जलालपुर

SUB-DIVISION

MEASUREMENT BOOK

M.B.NO-3444

2nd & Final bill

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
H/W:- Construction of Road & allied works from Technical Jalalpur road to Ramnagar under mmgsy (new) at- block Jalalpur.					
N/Agency — Sri Rambabu Kumar					
Agr. No- 32/SBD/2021-22					
Date of start — 27.09.2021					
Date of completion — 26.06.2022					
Date of measurement — 22/06/22					

Items of works.

(1) Earthwork Calculation.

Sl. No	chainage (m)	c/s Area (m^2)	mean c/s Area (m^2)	Dist (m)	volume m^3
1	0	2.192	1.096	0	0.00
2	50	2.958	2.575	50	128.750
3	100	2.931	2.945	50	147.225
4	150	3.870	3.401	50	170.025
5	200	3.485	3.678	50	183.875
6	250	2.283	2.884	50	144.200
7	300	2.575	2.429	50	121.450
8	350	3.403	2.989	50	149.450
9	400	2.972	3.188	50	159.375
10	450	2.396	2.684	50	134.200

Qty c/o = 1338.550 m^3

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Sl. No	chainage (m)	CS Area (m^2)	Mean CS Area (m^2)	Dist (m)	volume (m^3)
			Qty B/F =		1338.550 m^3
11	500	2.753	2.575	50	128.725
12	550	2.215	2.984	50	149.200
13	600	1.992	2.604	50	130.175
14	650	1.990	1.991	50	99.550
15	700	2.686	2.338	50	116.900
16	750	2.980	2.833	50	141.650
17	800	2.979	2.980	50	148.975
18	850	3.588	3.284	50	164.175
Total	E/W Qty		Including crust =		2417.90 m^3
			Less for G.S.B-1 (-)		100.38 m^3
	"	"	W.B.M-3 (-)		243.84 m^3
	"	"	P.C.C (-)		520.20 m^3
	"	"	Hand shoulder (-)		53.12 m^3
Net Qty of E/W			=		1500.36 m^3
Less for Earthen shoulder (-)					462.17 m^3
Net Qty of E/W in embankment.			=		1038.19 m^3
Previous Paid Qty = (-)					972.00 m^3
Net Payable Qty =					66.19 m^3

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(2) Box cutting – Excavation for roadway in soil using manual means.					
	2	x6	x30.00m	x0.225m x0.100m =	8.10m³
	2	x1	x10.00m	x0.375m x0.100m =	0.75m³
				Total =	8.85m³
(3) Construction of granular sub-base by providing coarse graded material.					
In box cutting –					
	2	x6	x30.00m	x0.225m x0.100m =	8.10m³
for profile correction					
	4	x4.80m	x1.75m	x0.100m =	2.40m³
				Total =	10.50m³
(4) PIV, Laying, spreading & compacting of WBM-3					
	6	x30.00m	x0.450m	x0.075m =	6.07m³
	1	x10.00m	x3.75m	x0.075m =	2.81m³
				Total =	8.88m³
(5) Construction of un-reinforced plain cement concrete pavement as per technical specification –					
	1	x30.00m	x3.30m	x0.160m =	15.84m³
	10	x30.00m	x3.75m	x0.160m =	180.00m³
	7	x30.00m	x3.75m	x0.160m =	126.00m³
				Qty c/o =	321.84m³

A.E.

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
			Qty B/F =		321.84 m²
6x	30.00m x 3.75m x 0.160m =				108.00 m²
1x	10.00m x 3.40m x 0.160m =				5.44 m²
4x	30.00m x 3.75m x 0.160m =				72.00 m²
1x	10.00m x 3.75m x 0.160m =				6.00 m²
Extra width at H curve					
4x	5.50m x 0.600m x 0.160m =				2.11 m²
2x	3.80m x 2.40m x 0.160m =				2.91 m²
4x	6.00m x 0.550m x 0.160m =				2.11 m²
2x	2.50m x 2.00m x 0.160m =				1.60 m²
2x	5.00m x 0.600m x 0.160m =				0.96 m²
			Total =		522.97 m²
			Qty Limit =		520.20 m²
(6)	Laying brick soling layer on prepared subgrade				
2x	10 x 30.00m x 0.250m =				150.00 m²
2x	10 x 30.00m x 0.250m =				150.00 m²
2x	8 x 30.00m x 0.250m =				120.00 m²
2x	1 x 10.00m x 0.250m =				5.00 m²
			Total =		425.00 m²
(7)	Construction of subgrade & earthen shoulder with approved material,				
Sides of BES					
2x	10 x 30.00m x 1.00m x 0.125m =				75.00 m²
2x	10 x 30.00m x 1.00m x 0.125m =				75.00 m³
2x	8 x 30.00m x 1.00m x 0.125m =				60.00 m²
2x	1 x 10.00m x 1.00m x 0.125m =				2.50 m²
			Continuation Qty c/f =		212.50 m³

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
				Qty B/F	212.50m³
Side of wall —					
2×	10×30.00m	× 0.625m	× 0.075m	= 28.12m³	
2×	10×30.00m	× 0.625m	× 0.075m	= 28.12m³	
2×	8×30.00m	× 0.625m	× 0.075m	= 22.50m³	
2×	1×10.00m	× 0.625m	× 0.075m	= 2.34m³	
Side of P.C.C					
2×	10×30.00m	× 0.625m	× 0.150m	= 60.00m³	
2×	10×30.00m	× 0.625m	× 0.150m	= 60.00m³	
2×	8×30.00m	× 0.625m	× 0.150m	= 48.00m³	
2×	1×10.00m	× 0.625m	× 0.150m	= 2.00m³	
				Total =	462.17m³

(8) Earthwork in excavation for structure (H.P. cutting = 1×1000m = 0.1HA)

For H. wall,

2× 6.450m × 1.400m × 1.530m = 27.09m³

Below pipe,

1× 4.850m × 1.530m × 0.365m = 2.70m³

Total = 29.79m³

(9) P/V M15 (P.C.C 1:2.5:5) as levelling course in foundation

H. wall,

2× 6.450m × 1.400m × 0.150m = 2.70m³

Below pipe,

1× 4.930m × 1.530m × 0.250m = 1.88m³

Less for pipe —

0.250 × 0.7857 × (1.230m)² × 5.496m = 1.63m³

Total = 2.95m³

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(10) P/V plain cement Concrete in open foundation & Substructure as per technical specification in H. wall,					
2 × 6.150m × $\frac{1.730m + 0.400m}{2}$ × 2.580m = 26.18m³					
Parapet wall,					
2 × 6.150m × 0.400m × 1.200m = 5.90 m³					
Less for pipe.					
2 × 0.7857 × (1.230m)² × 0.622 = (−) 1.47 m³					
				Total =	30.61 m³
(11) P/V & Laying R.C.C pipe NP2 of dia 1000mm.					
	3 × 2.50m = 7.50 m.				
(12) Painting two Coats including Primer Coat —					
outer Sides,					
2 × 6.150m × 3.780m =					46.49 m²
Inner Sides					
2 × 6.150m × 0.600m =					7.38 m²
Top, 2 × 6.150m × 0.400m =					4.92 m²
End, 2 × 2 × 0.825m (Avg) × 2.580 =					8.51 m²
End, Parapet, 2 × 2 × 0.400m × 1.200m =					1.92 m²
Less for pipe.					
2 × 0.7857 × (1.230m)² =					(−) 2.37 m²
				Total =	66.85 m²

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(13) p/v 15 mm cement Plastering					
Top,	2	x 6.150m	x 0.400m		= 4.92 m²
Ends lengthwise,	2	x 2 x 0.400m	x 1.200m		= 1.92 m²
Inner sides,	2	x 6.150m	x 0.600 m		= 7.38 m²
				Total	= 14.22 m²
(14) p/v & finishing of R.C.C M15 grade kilometer stones					= 02 NOS
(15) p/v & fixing of R.C.C. M15 grade 200m stone					= 03 NOS.
(16) p/v & fixing of retro-reflectorised traffic sign board 600mm equilateral triangle					= 01 NO
(17) 600 mm Circular					= 01 NO
(18) 800 mm x 600 mm rectangular					= 02 NO
(19) 600 m x 450 mm rectangular					= 02 NOS
(20) 900 mm side octagon					= 01 No.
(21) p/v & erecting directional sign place identification board					= 04 NOS

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(22) plv & laying of hot applied thermoplastic compound 2.5mm thick.					
	2x	10x30.00m	x 0.100m =		60.00m²
	2x	10x30.00m	x 0.100m =		60.00m²
	2x	8x30.00m	x 0.100m =		48.00m²
	2x	1x10.00m	x 0.100m =		2.00m²
			Total =		170.00m²
(23) plv & fixing of typical mimsy information sign board with, logo bay					2 Nos
(24) plv & laying R.C.C. pipe dia 300mm(i/c excavation)					4x3x2.50=30.00m

22/06/22
(J.E)

S.P

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	Abstract of cost				
1/1,	p/r & fixing of working				
	Boundmore pillars,				
0.850	Km, vide TmBP-5				
	@ Rs 12,230=30/ Km — Rs				10,396=00
2/2	clearing & grubbing				
	of road land,				
0.17	Heel, vide TmBP-5				
	@ Rs 53879=81/Heel — Rs				9160=00
3/3	Rock cutting - Excavation				
	for roadway in Soil				
	with manual mans				
53.95	m^3, vide TmBP-5				
8.85	m^3, vide TmBP-11				
62.80	m^3				
	@ Rs 133=10/m^3 — Rs				8,359=00
4/4,	Construction of embankment				
	with approved material				
	deposited from roadway				
	cutting				
32.37	m^3, vide TmBP-5				
	@ Rs 96=78/m^3 — Rs				3153=00
5/5	Construction of embankment				
	with a lead upto 1000m.				
972.00	m^3, vide TmBP-5				
66.19	m^3, vide TmBP-10				
1038.19	m^3				
	@ Rs 197=10/ m^3 — Rs				2,04,627=00
	Continuation C/O — Rs				2,35,675=00

Sch. XLV-Form No. 134

Particulars	No.	L.	B.	D.	Contents of area
			B/f - Rs		2,35,675=00
6/7. Construction of granular sub-base by [illegible] coarse graded metal,					
89.88 m³ vide TMBP-6					
10.50 m³ vide TMBP-11					
100.38 m³					
	@ Rs 2735=10/m³ — Rs				2,74,549=00
7/8. P/L laying, spreading & compacting of WBM-3					
236.24 m³, vide TMBP-6					
8.88 m³ vide TMBP-11					
245.12 m³					
MR @ Rs 3822=31/m³ - Rs					~~9,36,925=00~~
Qty limit = 243.84 m³					
	@ Rs 3822=31/m³ — Rs				9,32,032=00
8/9. P/L & fixing of typified mmssy [illegible] sign board.					
02 Nos vide TMBP-6					
02 Nos vide TMBP-16					
04 Nos					
	@ Rs 10,109=30/No - Rs				40,437=00
9/9 Construction of un-reinforced plain cement concrete pavement for [illegible]					
520.20 m³, vide TMBP-12					
	@ Rs 7450=76/m³ — Rs				38,75,885=00

Continuation C/o Rs 53,58,578=00

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
				B/F, Rs	53,58,578=00
10/10.	Laying brick soling layer on prepared sub-grade:				
425.00 m², vide TMBP-12					
	@ Rs 552.70/m² — Rs				2,34,982=00
11/6	Construction of sub-grade & earthen shoulder with approved material				
462.17 m³, vide TMBP-13					
	@ Rs 183.40/m³ — Rs				84,762=00
12/22	Earthwork in excavation for structure (H.P. Calvert)				
29.79 m³, vide TMBP-13					
	@ Rs 310.70/m³ — Rs				9,256=00
13/23	PCC M15 (P.C.C 1:2:5:5) as levelling course in foundation,				
~~H. walls~~					
2.95 m³ vide TMBP-13					
	@ Rs 517.11/m³ — Rs				15,255=00
				C/o Rs	57,02,833=00

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
			B/F	Rs	57,02,833=00
14/24.	P/r Plain cement Concrete 1:3:6 open foundation & Sub-structure as per technical specn.				
30.61 m³, vide TMBP-14	@ Rs 5804=58/m³-B				1,77,678=00
15/25.	P/r & laying R.C.C pipe NP3 of dia 1000mm,				
7.50m, vide TMBP-14	@ Rs 3408=71/m-B				25,565=00
16/26.	painting two coats including primer coat				
66.85 m², vide TMBP-14	@ Rs 101=60/m²-B				6,792=60
17/27.	P/r 1.5mm Cement Plaster				
14.22 m², vide TMBP-15	@ Rs 52=14/m²-B				741=60
18/12	P/r & Fixing of R.C.C MIS grade kilometre-stones				
02 Nos, vide TMBP-15	@ Rs 2189=32/No-B				4379=00
				C/o. Rs	59,17,988=00

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
			B/F	Rs	59,17,988=00
19/13	P/V & Supply of R.C.C M15 grade 200mm Stone 03 Nos, vide TMBP-15				
	@ Rs 607=15/No-				1821=00
20/14	P/V & Supply of retro-reflectorised traffic Sign board 600mm equilateral triangle 01 No, vide TMBP-15				
	@ Rs 3434=91/No-				3435=00
21/15	600 mm Circular 01 No, vide TMBP-15				
	@ Rs 4615=23/No-				4615=00
22/16	900mm x 600mm rectangle 02 Nos, vide TMBP-15				
	@ Rs 6446=11/No-				12,892=00
23/17.	600mm x 450mm rectangle 02 Nos, vide TMBP-15				
	@ Rs 4494=41/No-				8989=00
24/18.	900mm side octagon 01 No, vide TMBP-15				
	@ Rs 8230=52/No-				8231=00
			C/O.	Rs	59,52,971=00

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
			B/F	Rs	59,57,971=00
25/19.	Plv & cranfig directly & place identification sign board.				
04 Nos,	vide TM#1-15				
	@ Rs 10,105=89/No-			Rs	40,424=00
26/20	Plv & Layng of hot applied thermo-plastic compound, 2.5 mm thick.				
170.10	m², vide TM#1.16				
	@ Rs 859=53/m²-			Rs	1,46,120=00
27/11	Plv & Layng R.C.C pipe duct 300 mdia across the road,				
30.00	M, vide TM#1.16				
	@ Rs 933.76/M-			Rs	28,013=00
			Total	Rs	61,72,528=00
Adding	(2%.GST) +			Rs	7,40,703=00
Adding	M.(L.Cess) +			Rs	61,725=00
Adding	S.Fee +			Rs	79,785=00
			Total	Rs	70,54,741=00
Less	Previous Payment (-)			Rs	15,75,678=00
Net Payable Amount,				Rs	54,79,063=00
			C/O,	Rs	61,72,528=00

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B/F	Rs	61,72,528=00
			Total	Rs	61,72,528=00
	Less	1.5%	(below)	-Rs	92,588=00
				Rs	60,79,940=00
	Adding	12%	(GST)	+Rs	7,29,593=00
	Adding	1%	(L.Cess)	+Rs	60,799=00
	Adding	S.Fee		+Rs	79,785=00
			Total	Rs	69,50,117=00
	Less	Previous Payment.		-Rs	15,75,678=00
	Net Payable Amount.			Rs	53,74,439=00

(Rupees ~~Fifty three~~ Lakh, Seventy four thousand, four hundred & thirty nine) only

22/06/22
(J.E)

12/8/22