N/Scheme:- Construction & 5 yr Maintenance of Imaliya Road to Mathiyapar (Remaining Part)

Shedule XLV Form No. 134. (MMGSY Gen)

वर्कआर्डर नं:- चनेरुवा

Ag No:- 07/SBD/2021-2022

_____ DIVISION

N/Cont:- Lal Nandan construction

_____ SUB-DIVISION

Below:- 3.41%

Measurement Book

1246

MB No: — 1246

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 No.	L.	B.	D.	Contents of area
Name of	Work -	Construction	&	5 years	
	Maintenance	of road	Jmaliya		
	road	to Mothi	yapar	(Remaining	
	Parts	of 9km)	in	Dhanorua	
	Block	under	M.M.G.S.Y (GRN)		
N/Contractor: -	Lal	Nandan	Constn		
Agr No: -	07/SBD/2021-22				
Agr. Value -	45,55,650=00				
Start dt -	22/9/2021				
Int. dt of Comp.	21.6.2022				
①	P/L & Fixing	work of			
	Bench	Mark &	reference		
	Pillars	— do	— do		
	1 × 1114M		=1114M		
	1× 64.00		= 64.00		
	1× 63.00		= 63.00M		
			= 1241.00M		
			Say 1.241KM.		
②	Construction	of earth			
	with	lead	up to		
	100M	— do	—		
Both side 1:1 slop.	2× 32 ×	~~30.00~~ 25.00 ×	(0.30+0.50)/2	× 0.75 (Avg)	= 480.00 M³
One side 1:1 slop	1× 6×	30.00 ×	(0.30+0.50)/2	× 0.6 (Av)	= 43.20
" "	1× 1×	9.00 ×	(0.30+0.50)/2	× 0.75	= 2.70
					= 525.90M³

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Ou Sedo . in slop	1x4 x	25.00 x	0.30+0.50/2	x 0.40 (Av)	= 20.00
	1x3 x	25.00 x	0.30+0.50/2	x 1.00	= 30.00
					= 575.90 M^3
4/ Ap 4	Construction of GSB.				
	Go II — do — do				
	In Main length BT (Part)				
	1 x	8.00 x	4.05 x	0.025	= 0.81 M^3
	1 x	32.00 x	4.05 x	0.175	= 22.68
	1 x	25.00 x	3.15 (AV) x	0.100	= 7.88
	In Links (B.T. Part)				
to School	1 x	30.00 x	4.05 x	0.025	= 3.34
	1 x	12.00 x	4.05+3.40/2	x 0.025	= 1.12
to Temple	1 x	8.00 (7.00) x	5.50+3.75/2	x 0.175	= 5.67
	1 x	33.00 x	3.75 x	0.10	= 12.38
	1 x	23.00 x	3.75+3.10/2	x 0.10	= 7.88
	Towards Temple				
	1 x 6				
	Towards Temple -				
	1 x	16.00 x	5.50+3.75/2	x 0.175	= 1.86
	1 x	34.00 x	3.75 x	0.10	= 12.75
	1 x	23.00 x	3.75+3.10/2	x 0.10	= 7.88
				8/-	= 61.32 M^3

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(3/4) Construction of G.S.R.					
G.I. do do					
In Main Length (Bottom)					
	1	8.00	4.05	0.025	= 0.81 M³
	1	16.00	4.05	0.175	= 11.34 "
	1	25.00	3.15	0.100	= 7.88 "
Link to school (Bottom)					
	1	30.00	4.05	0.025	= 3.04
	1	11.00	$\frac{4.05+3.50}{2}$	0.025	= 1.04
	1	1.00	3.40	0.175	= 0.60
Link towards Temple					
	1	10.00	$\frac{5.50+4.05}{2}$	0.175	= 8.36
	1	30.00	$\frac{4.05+3.75}{2}$	0.175	= 20.48
	1	23.00	$\frac{3.75+3.50+3.10}{3}$	0.10	= 7.94
					= 61.490 M³
Pedestal -	4	3.00	1.00 (AV)	0.05 (AV)	= 0.60
~~Total Qty = 62.09 M³~~					
(4/5) Providing laying, spreading & compacting W.B.M.					
G.I. do do					
In Main length					
	1	8.00	3.75	0.075	= 2.25 M³
	1	16.00	3.75	0.075	= 4.50 "
Link to school					
	1	30.00	3.75	0.075	= 8.44
	1	12.00	$\frac{3.75+3.40}{2}$	0.075	= 3.22

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	[illegible]				
	1x10.00	x 6.00	x 3.75	x 0.075	3.47
	1x 30.00	x 3.75	x 0.075		8.44
	1x 23.00	x 3.75	x 3.50	x 3.10	
				x 0.075	5.76
	Total			=	36.27 m³
(17) R.C. [illegible] Covered with [illegible]					
	[illegible]			—	1 No.
	[illegible]			—	1 No.
			Total	=	2 Nos.
[signature] 7/10/2021			[signature] 7/10/21		
	Record Measurement				
(18)	[illegible]				
	[illegible]				
	[illegible]				
	[illegible]				
	1x 15.00	x 8.00	x 3.75	x 3.00	= 720.25 m³
	1x 15.00	x 3.60	x 3.75		= 86.13 "
	1x 15.00	x 3.75			= 56.25 "
	1x 10.00	x 3.75	x 3.60	x 3.75	= 37.00 "
	24x 30.00	x 3.75			= 2700.00
	1x 20.00	x 3.75			= 75.00
Curve	1x 10.00	x 3.75	x 1.50		= 41.25
"	1x 10.00	x 4.00	x 3.75		= 41.25

Continuation = 3084.13 m³

Sch. XLV-Form No. 134

BP = 3084.13 m²

Particulars	No.	L.	B.	D.	Contents of area
	3×	30.00×	3.75		= 337.50 M²
	1×	9.00×	3.75		= 33.75 "
CH: 989 to 1114 M (BT lay)					
	1×	29.00	×3.75		= 108.75
	2×	30.00	×3.75		= 225.00
	1×	11.00×	(3.75+3.30+3.15)/3		= 37.40
	1×	25.00	× 3.15		= 78.75
Link to school (BT lay)					
CH: 22M – 64M					
	1×	30.00	×3.75		= 112.50
	1×	12.00×	(3.75+3.50+3.30)/3		= 42.20
Link toward Temple (BT lay)					
CH: 00 M — 63M					
	1×	10.00×	(5.50+3.75)/2		= 46.25
	1×	30.00	×3.75		= 112.50
	1×	23.00×	(3.75+3.50+3.10)/3		= 79.35
		Total Area			= 4298.09 m² (A)
Qty =	4298.08 m²	×0.075			= 322.36 m³
(2/10) Construction of Un-reinforced C.C. Pavement M-30 — do as per spe. — Eg					
	CH: 914 – 989M				
	1×	22.00×	3.75×	0.19	= 15.68 ~~15.7~~ m³
	1×	12.00×	(3.75+4.00)/2	×0.19	= 8.84
	1×	12.00×	(4.00+3.75)/2	×0.19	= 8.84
					= 33.36 m³

Continuation

BF = 33.36 M³

Particulars	No.	L.	B.	D.	Contents of area
	1×	8.00×	3.75×	0.19	= 5.70 M³
	1×5.00×	3.75+	3.60+3.75 / 3	×0.19	= 3.52
	1×	16.00×	3.75	×0.19	= 11.40
Towards school.					
0-0 – 22M					
	1×19.00×	7.30+3.75 / 2		×0.19	= 9.45
	1×	13.00×	3.75×	0.19	= 9.26
				Qty	= 72.69 M³
(3/4) Constn of Sub-grade & Earthen shoulder — & — c/s					
Earthen shoulder					
	2×30×30.00×0.75×0.125 (Av)				= 168.75 m³
	2×1×14.00×0.75×0.125 (Av)				= 2.63 m³
	2×3×25.00×0.60×0.190				= ~~168.75~~ 17.10 m³
	2×1×16.00×0.75×0.325				= 7.80 "
	2×4×25.00×0.75×0.125				= 18.75 "
	1×1×25.00×0.50×0.175				= 2.19 "
	2×1×30.00×0.75×0.125				= 5.63 "
	2×1×12.00×0.75×0.125				= 2.25 "
	2×1×22.00×0.60×0.190				= 5.02 "
					= 230.12 m³

13/11/2021 JE

16/11/21 A.E

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Lot- A1C. Bill					
N/work: Const & 5 years maintenance of road Jinaliya Road to Mathiyapar under MMGSY (GRN) (Remaining Part)					
N/C :- Lal Nandan Const					
Agr No — 7/SIBD/2021-22					
Start. dt — 22/9/2021					
Int. dt of Comp. — 21/6/2022					
(1/10) P/r Lay-ing & roll-ing 20mm thick Mix Seal surface type-B3 —					
at	In Main Carriage Way				
	1	15.00	$\frac{8.30+3.75+3.60}{3}$		= 78.25 m2
	1	15.00	$\frac{3.60+3.75}{2}$		= 55.13 m2
	1	15.00	3.75		= 56.25 "
	1	10.00	$\frac{3.75+3.60+3.75}{3}$		= 37.00 "
	24	30.00	3.75		= 2700.00
	1	20.00	3.75		= 75.00
	1	10.00	$\frac{3.75+4.50}{2}$		= 41.25
	1	10.00	$\frac{4.50+3.75}{2}$		= 41.25
	3	30.00	3.75		= 337.50
	1	9.00	3.75		= 33.75
	1	29.00	3.75		= 108.75
	2	30.00	3.75		= 225.00
	1	11.00	$\frac{3.75+3.30+3.15}{3}$		= 37.40
					=

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	1x	25.00x3.15		=	78.75 m2
Link to school.	1x	30.00x3.75		=	112.50 "
	1x12.00	x 3.75+3.50	.3.30		42.20
Link to Temple	1x10.00	x5.50+3.75			46.25
	1x	30.00	x3.75	=	112.50
	1x23.00	x3.75+3.50	x3.10		= 79.35
	Total. Qty				= 4298.09 m2
(2/9) P/V & Applying Take Coat with (RS-1) — do					
Cont.					
Qty same above It No (1/10)					= 4298.09 m2
(3/8) P/V & applying Bromine Coat with (SS-1) — do —					
Area same above It (2/9)					= 4298.09 m2
(4/12) Laying Brick soling Layer — do — do —					
	2x3x	25.00	x0.25		= 37.50 m2
	2x1x	22.00	x0.25	=	11.00
				=	48.50 m2
(5/13) Fixing KM stone — do					
			1x3 Nos		= 3 Nos
(6/14) Fixing 200M stone.					
			1x4		= 4 Nos
(7/15) Fixing 600mm equalised & Temple Through					
			Total. —		2 Nos
			Limit to 1 No		

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
8/16 Column Circular shape Area ——→					
		Total — 2 Nos Limit to 1 No			
9/17 800×600 Rect Type					
		Total — 1 No			
10/18 650×450 mm Type					
		Total — 3 Nos			
11/19 P/F & Lay hot applied thermoplastic Compound 2.5 mm Thick ——→					
	BT Part (on both edge)				
	2×30×30.00 × 0.10 =				180.00 m²
	2×1×14.00×0.10 =				2.80 "
	[illegible]				25.00
	2×1×	30.00	×0.10 =		6.00
	2×1×	12.00	×0.10 =		2.40
	2×2×	30.00	×0.10 =		12.00
	2×1×	3.00	×0.10 =		0.60
		Total =			228.80 m²
12/20 P/F & Lay hot cast Mastic surface Dressing ——→					
	2×3×	25.00	×0.10 =		15.00 m²
	2×1×	22.00	×0.10 =		4.40 "
				=	19.40 m²
Extra	4×1.00		×0.20	=	0.80 "
				=	20.20 m²
			Limit to		20.00 m²

12/12/2021 JE

Continuation

16/12/21 A.B

A.E.

Sch. XLV-Form No. 134

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

1st A/C Bill.

ABSTRACT OF COST.

(1/1) P/N & Grid working G.M. & reference pillar —— do
(Qty vide TMB P-1, It 1/1)
= 1.24 km.
Limit to 1.20 km
@ 11073=14/km —— ₹ 13288=00

(2/2) Construction of Small do —— do .. E/D
(Qty vide P-2, It 2/2)
= 575.90 m³
@ 154=68/m³ —— ₹ 89080=00

₹ 1,02,368=00

Sch. XLV-Form No. 134 Gr-2 1,02,868:-

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(3/A) Const of S.L. grade & carriage shoulders do					
(Qty vide P-6, Q+ 3/5) = 230.12 M3 @ 190:07/M3					₹ 43,739=-
(4/A) Const of G.S.B. Gr-2 do — do — Rig					
(Qty P-3, Q+ 3/4) = 62.09 M3 @ 2582:51/M3					₹ 160348:-
(5/A) Const of W.B.M. Gr-2 do — do — Rig					
(Qty vide P-4, Q+ 4/5) = 36.27 M3 @ 3602:08/M3					₹ 130647:-
(6/A) Const of W.B.M. Gr-3 do — do — Rig					
(Qty P-5, Q+ 1/6) = 322.36 M3 @ 3352:94/M3					₹ 1080854:-
(7/A) P/V & apply-p primer Cont WO 12 (SS-1) — do					
(Qty vide P-8, Q+ 3/8) = 4298.09 M2 @ 48:04/M2					₹ 206480:-
					₹ 17,24,436:-

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(8/8) P/r & applying Take coat with (RS-1) — do —					
(Qty vide P-8, It 2/9)					
= 4298.09M2					
@ 16.18/m2					₹69543=00
(9/9) P/r laying & rolling 20 mm thick mix seal surfacing (Type B) do — do — ER					
Qty vide P-8 It (1/10)					
= 4298.09M2					877541=00
@ 204=17/M2					~~₹867333=00~~
(10/10) Const of unreinforced C.C. [illegible] M.30 — do — do — E,9					
(Qty P-6, It 2/10)					
= ~~36.27 M3~~ 72.69 M3					446895=00
@ 6147=96/M3					~~₹222987=00~~
(11/11) P/v & fixing MMGSY project board with logo — do — do					
(Qty P-4, It 5/11)					
= 2 Nos					
@ 9439=41 each					₹18,879=00

Continuation ~~29,13,386=00~~ ₹ 3137294=00

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(12/12) Lay-in Brick sol-in					
Layer — do — do					
(Ref P-8, 9+ 4/12)					
= 48.50 M2					
@ 475=49/M2 — ₹ 23061=00					
(13/13) Fix-in RM. Stone					
(Ref Page P-8, 9+ 5/13)					
= 3 Nos					
@ 2202=47 each — ₹ 6607=00					
(14/14) 200 M. Stone Pieces					
(Ref P-8, 9+ 6/14)					
= 4 Nos @ 633=73 each — ₹ 2535=00					
(15/15) 600 mm Equilateral Triangle Sign					
(Ref P-8 9+ 7/15)					
= 1 No @ 3448=19 each — ₹ 3448=-					
(16/16) 600 mm Circular Sign					
(Ref P-9, 9+ 8/16)					
= 1 No @ 4622=00 each — ₹ 4622=-					
(17/17) 600×600 mm Rectangular Sign					
(Ref P-9, 9+ 9/17)					
= 1 No @ 6444=00 each — ₹ 6444=-					
(18/18) 600×450 mm Triangle Sign					
= 3 Nos (P-9, 9+ 10/18)					
@ 4502=23 each — ₹ 13507=-					
Continuation					31,97,594=- 3197518=00

Sch. XLV-Form No. 134 B/F- ₹3197518=

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(19/19) P/r & laying hot applied thermoplastic compound 2.5mm line (R.B.T) — do					
Qty P ~~228.80~~m2					
(Qty vide P-9, 9+ 11/19)					
= 228.80 m2					
@ 722=32/m2 —					₹ 165,267=00
(20/20) P/r & laying thermoplastic Cmp. on C.C surface					
Qty P-9, 9+ 12/20					
= 20.00 M2					
@ 753=11/M2 —					₹ 15062=00
					33,77,847= ~~₹ 3377,847=00~~ B/-
(21/26) Add G.S.T @ 12%				- -	4,05,342=00 ~~₹ 398115=~~
(22/27) Add Lab Cess @ 1%				- ₹	3,37,785 ~~33176=~~
(23/28) Add Seg Fee (10% of Royalty of materials)					
(i) Earth & Sub grade =(575.90+230.12) = 806.02m3 @3.481/m3 — ₹ 2806=00					
(ii) GSB Gr3 = 62.09m3 @ 57.493/m3 — ₹ 3570=00					
(iii) WBM Gr2 = 36.27m3 @ 67.703/m3 — ₹ 2456=00					
(iv) WBM Gr3 = 322.36m3 @ 71.430/m3 — ₹ 23026=00					
(v) 20mm M.S.S = 4295.09m2 @ 1.413/m2 — ₹ 6073=00					
(vi) CC M30 = 72.69 m3 @ 60.29/m3 — ₹ 4382=00					
(vii) Prech SM-p = 48.50m2 @ 32.729/m2 — ₹ 1587=00					
₹ 43900=00					(+) ₹ 43900=00

Continuation

~~C/F ₹ 37,97,314=~~
₹ 38,60,867=00

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
		B/F			₹ 37,92,814=4
		B/F			₹ 38,60,867=
Less 3.41% as per below					(-)₹ 1,31,656=4
					₹ 37,29,211=4

12/12/2021 JE

1st Final 16/12/21 A.E

17/12

Material Statement

(I) Earth	Qty	- - - - -		
(II) Stone Metal aggregate 6				489.61 M³
(III) Coarse sand (GSB + CCP)				56.51 M³
(IV) Stone Screening	- - -			87.16 M³
(V) Stone chips (CCP & M.S.S)				= 181.46 M³
(VI) Bitumen (S-90)	- - -			= 8167.00 kg
(VII) Emulsion (SS-1)	- - -			= 3600.00 kg
(VIII) Emulsion (QS-1)	- - -			= 1235.00 kg approx

12/12/21 JE

Material Supplied

Items	Date	Inv./Docmt			Qty
Bitumen (S-90)	26/11/21	13674	67 2100	1630	11164.20 kg