N/W:- Devchand Bigaha se Nawagichak In Dhamaura Block under MMGSY (Sle)

Measurement Book

Schedule XLV-Form No. 134

Ag No. – 14/SBD/2020-21

DIVISION

कार्यपालक अभियंता :– Lav Kush Kumar.

SUB-DIVISION

1187

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	4th & Final Bill				
Name of work:- Construction & Five year Maintenance of road from Devchand Bigha se Nawashi-Chak road under M.M.G.S.Y. (SC)					
Agr. No:- 14/SBD/2020-21					
Name of Contractor:- Lavkush Kumar					
Start date:- 18/9/20					
Int. date of Completion - 17/6/2021					
Actual date of Completion - 14.6.2021					
Date of Meast. Entry -					
(1/17) P/R & Fixing Ordinary KM stone.	-do-		-do-		
			Total.		- 2 Nos
(2/18) P/R & Fixing 200 M. Stone (Precast)	-do-		-do-		
			Total.		3 Nos
~~(3/19) P/R & fixing [illegible] C/W Traffic T/Sign~~					
			~~Total.~~		~~2 Nos~~
(3/19) 600 mm. Circular T/Sign do -do- C.A. [illegible]					
			Total.		- 4 Nos
(4/20) 600 x 450 mm Rectangular T/Sign (Cast & place)					
			Total.		- 2 Nos

Continuation

Sch. XLV-Form No. 134

Particulars	No.	L.	B.	D.	Contents of area
(5/24) Planting of Tree by the road side				— do —	
Cost. [illegible]				— do	
			Total		26 Nos
(6/26) Direction & place. Identification Board.				— do	
			Total.		— 1 No
(7/28) P/VC [illegible] typical M.T.C.S.T [illegible] Board.		— do			
Maintenance Board					— 1 No
(8) Calculation of Earth work in Embankment					
	— do		— do —		
Calculation of Earth work as per level graph Calculation Sheet					

SN. CHAINAGE (Meter)	Area c/s (M²)	Mean c/s (M²)	Distance (Meter)		Volume (M³)
00	6.502	—	—		—
50	8.075	7.289	50		364.425
100	7.803	7.939	50		396.950
150	8.005	7.904	50		395.200
200	7.158	7.582	50		379.075
250	6.550	6.854	50		342.700
300	7.310	6.930	50		346.500
350	7.177	7.244	50		362.175

c—d

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
400	8.569	7.873	50		393.650
450	2.386	5.478	50		273.875
500	2.470	2.428	50		121.400
550	2.484	2.477	50		123.850
600	2.497	2.491	50		124.525
650	2.994	2.746	50		137.275
658	2.896	2.945	8		23.560
	Total C/W B/W with Cmt =				3785.16M³ (A)

Deduction for Cmt.

(i) Sub-proof & Abutment

P/25, Mark (A) Pt 5/7 = 1076.99M³

(ii) ~~Coarse Sand (252.56+25.58) = 278.14~~

(ii) Coarse Sand.

P/17, & P/21 (211.88 + 9.38) = 221.26M³

(iii) G.S.B. (P/17, & P/20)

= (252.56 + 25.58) = 278.14M³

(iv) W.B.M. Gr 3

P/21, Pt 2/16+15, Mark (A) = 188.57M³

(v) C.C. Pavement M-30

P/23, Pt 4/16, Mark (A) = 242.39M³

(vi) Excavation in R/way.

P/16, Pt 4/a = 59.59M³

Total deduction = 2066.85M³ (B)

Net Embt B/w = (A-B)

= 3785.16 - 2066.85 = ~~1720.82~~ (C)

= 1718.31M³ (D)

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(I) Embkt/Earth 83% obtained from up to 1000 M dist.					
Qty =	17	18.31	3 x 83%	=	1426.20 M³ (E)
(II) 17% Qty obtained upto 100 M. lead.					
Qty =	1	718.13	x 17%	=	292.11 M³ (F)

14.6.24 AE

14/6/24 Ar. (E)

AM 14/6

Form A. Bill

ABSTRACT OF COST

(1) P/V & Fixing working.

Bench Mark — do

0.65 KM (P/16, Sl 1/1)

@ .3813 = 76/KM — ₹ 2479=00

(2/2) Fixing R/Hedges.

Pillar — do —

= 0.65 KM (P/16, Sl 2/2)

@ .1744 = 60/KM — ₹ 1134=00

(3/3) clearing & grubbing

road land — do —

= 0.13 Hect (P/16, Sl 3/3)

@ 52970 = 33/Hect — ₹ 4886=00

₹ 10,499=00

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(4/4) Excavation for roadway in soil using manual means —do— Cpos					
= 59.50 M³ (P/16, Item 4/4)					
@ 75=87/M³					₹ 4496=00
(5/5) Const^n of Embt —do— with lead - 1000 Mts					
= 1426.20M³ (P/29, Mark E)					
@ 190=87/M³					₹ 271791=00
(6/6) Const of Embt —do— with lead - upto to 100m do —do— Cpt. on					
= 292.12 M³ (P/29, Mark F)					
Limit to - 299.02M³					
@ 153=66/M³					₹ 44,411=00
(7/7) Const^n of Sub-grade & Earthen Shoulder —do— all. Comp. on					
= 853.50M³ (P/16, Item 7/7)					
= 223.49M³ (P/25, Item 5/7)					
= 1076.99M³					
Limit to 1035.00M³					
@ 192=25/M³					₹ 198,979=00
(8/8) Coarse Jaw fills-in in Sub base —do— —do—					
= 21.88M³ (P/17, Item 8/8)					
= 9,38M³ (P/21, Item 3/8)					
= 221.26 M³					
@ 1924=09/M³					₹ 425724=00
					₹ 9,55,900=00

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
9/9+14	Construction of G.S.R.				
	Gr I — do		—	do.	
	all. comp.		—	@19	
	= 252.56 M³ (P/17, Sl 9/9+14)				
	= 25.58 M³ (P/20, Sl 1/9+14)				
	= 278.14 M³				
Limit	— 266.33 M³				
	@ 2521.07/M³		—		₹ 671436=0
10/10+15	P/r laying spreading & Compacting w.B.M				
	Gr. 3 — do		—	do	
	all. Cub.		—	@19	
	= 92.81 M³ (P/17, Sl 10/10+15)				
	= 95.76 M³ (P/21, Sl 2/10+15)				
	= 188.57 M³				
Limit to	— 184.65 M³				
	@ 3133.56/M³		—		₹ 578612=0
11/11	P/r & applying primer Coat with (SC-1) — do				
	Cap 0%				
	= 1003.13 m² (P/23, Sl 1/11)				
Limit	— 946.87 m²				
	@ 43.14/m²		—		₹ 40848=0
12/12	P/r & laying Tack Coat with (RS-1) — do				
	Cap. 0%		—	@10	
	= 1003.13 m² (P/23, Sl 2/12)				
Limit to	946.87 m²				
	@ 14.76/M²		—		₹ 13975=
					₹ 22,60,771

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(13/13) P/v lay-ing & rolling 20 mm thick Mix seal surfacing Type B - do Cost ab apu - - Eng					
= 1003.13 m² (P/24, Pt 3/13)					
Limited to 946.87 m²					
@ 198=29/m²					— ₹ 1,87,755=00
(14/16) Constn of unreinforced C.C. Pavement. M-30 over prepared sub base - do - do - apu spr & clu of CD					
= 192.06 m³ (P/15, Ster 3/16)					
= 50.33 m³ (P/23, Pt 4/16)					
= 242.39 m³					
@ 6280=42/m³					— ₹ 15,22,311=00
(15/17) RCC M-15 Ordinary K.M stone - do -					
= 2 Nos (P/26, Pt 1/17)					
@ 2103=41 each					— ₹ 4207=00
(16/18) 200 M. stone (Recast)					
= 3 Nos (P/26, Pt 2/18)					
Limit to - 2 Nos					
@ 587=56 each					— ₹ 1175=00
(17/19) P/v & fix 600 mm dia circular speed limit Type					
= 4 Nos (P/26, Pt 3/19)					
@ 4614=89 each					— ₹ 18,460=00

39,94,679=00

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(18/20) 900 mm equilateral Triangle (left, right-at curves) — do					
= 2 Nos (P/26, 9t 4/20)					
@ 5098=07 each — ₹					10,196=00
(19/21) 600 x 450 mm Rectangular (school, place) T/s Sign					
= 2 Nos (P/27, 9t 5/21)					
@ 4489=51 each — ₹					8979=00
(20/22+23) P/r E laying 2.5 mm Thu hot applied thermo-plastic compound — do — do — all cups [illegible]					
= 130.00 M² (P/24, 9t 4/22+23)					
@ 721=95/M² — ₹					93,854=00
(21/24) Planting of Tree by the road side. — do — as per spec & drg of [illegible]					
= 26 Nos (P/27, 9t 5/24)					
@ 842=62 each — ₹					21,908=00
(22/25) P/r & laying RCC pipe duct 300 mm ϕ — do					
= 8.00 M (P/17, 9t 12/25)					
@ 837=66/M — ₹					6701=00
(23/26) P/r E fixing Direction & Place Identification - Board do — do — as oh					
= 1 No (P/27, 9t 6/26)					
@ 2117=60 each — ₹					2118=00
					₹ 4138,435=00

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(24/27) PHE ... Typical ... Information Board with Logo — do — do					
Cap. Nos					
= 3 Nos (8/17, Ste 13/27)					
= 1 No (P/27, Ste 7/...)					
= 4 Nos					
@ 10883.36 each — ₹					43,533=
Total — ₹ 41,					81,968=00
(25/33) Add Lab. Cess @ 1% — ₹					41,820=00
(26/34) Add G.S.T. @ 12% — ₹					5,01,836=00
(27/35) Add Seig. Fee —					
(i) Earth Embankment & Subgrade & Shoulder					
= 2750.22 m³					
@ 3.481/m³ — ₹ 9574=00					
(ii) ~~Stone Metal for GSB + Gr3~~					
(iii) Coarse Sand for ...					
= ~~...~~ m³					
@ ~~...~~ — ~~...~~					
(iii) G.S.B. Gr I					
= 266.33 m³					
@ 55.581/m³ — ₹ 14803=00					
(iv) W.B.M. Gr-3					
= 184.65 m³ @ 71.430/m³ — ₹ 13190=00					
(v) C.C. Pavement - M-30					
= 242.39 m³ @ 60.290/m³ — ₹ 14614=00					
(vi) Min. lead safety Type A					
= 946.87 m²					
@ 1.413/m² — ₹ 1338=00					
(vii) Cable duct pipe ... @ 5.107/m					

Continuation ₹ 41,... — ₹ 53560=

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B.F ₹	47,79,184.00
Less 0.05%				₹	11,948.00
				₹	47,67,236.00
Less Previous Payment				(-) ₹	25,15,115.00
Payable Amount				₹	22,52,121.00

Continuation