N/scheme:— Jaman Bigaha se Bare Bigaha Dafoai Road Length - 0.300 In Dhanaura Block

Measurement Book

Schedule XLV-Form No. 134

M/cont:— Kanaudi construction Work

DIVISION

Agw:— 19/SBD/2020-21

SUB-DIVISION

सहा० अभि०:— [illegible]

MB NO:— 1194

3rd RA Bill

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work: Constn & Five years Maint. of Road from Jamanbyha to Baribyha Dalmai Road under M.M.GSY (SC) in Block-Dhanpur					
N/ Contractor: Kanaudi Const Pvt-Ltd					
Agr No: - 19/SBD/2020-21					
Start date - 18.9.2020					
Init. dt of Comp - 17/6/2021					
Date of Meast 15/6/21					
(1/13) P/u Laying & rolling 20 mm Thick MAT Seal surfacing Typ-'B3' - do - do - open spa. & dn of Blg. CH: 0.0M to 100M.					
	1	10.00	5.00+3.75 / 2		= 43.75 M2
	3	30.0	3.75		= 337.50 M2
	Total Qty				= 381.25 m2
(2/12) P/u Bitumen Tack coat with (RS-1) - do - do					
Qty Same Above Qty No (1/13)					= 381.25 m2
(3/11) P/u & apply Primer Coat with (SS-1) - do					
Qty Same Above Qty (2/12)					= 381.25 m2

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(4/17) P/V & fix-p KM.					
Stone. —d— —d—					
	✓	Total. Qty			1 No
(5/18) 200 M. Stone (Precast)					
	✓	Total.			1 No
(6/19) P/V & fix-p 600mm Crack (special Cast) T/sign					
		Total.			4 Nos
(7/20) 900mm equilateral (Gft, sft) T/sign					
		Total			2 Nos
(8/21) 600 x 450mm Rectangular (Place & school & Temple)					
T/sign					
		Total.			2 Nos
(9/22) P/V & lay-p hot applied thermoplastic Compound. —d—					
B.T. Part (00 – 100M)					
Both Edge	2	25.00	x 0.10	=	5.00 M²
"	2	25.00	x 0.10	=	5.00 "
"	2	25.00	x 0.10	=	5.00 "
"	2	25.00	x 0.10	=	5.00 "
		Total		=	20.00 M²
(10/23) P/V & apply-p Thermo Plastic Cup —d— (On Cel. Part)					
CH: 100 – 208M.					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
" Both edge	2	4	25.00	0.10	= 20.00 M2
"	2	1	8.00	0.10	= 1.60 M2
"	CH: 208 – 240 M				
"	2	2	16.00	0.10	= 6.40 M2
	CH: 240 M to 302 M				
"	2	2	30.00	0.10	= 12.00
"	2	1	2.00	0.10	= 0.40
			Qty		= 40.40 M2
(11/24) Plantation of Tree by road side. – do – 1					
			Total		10 Nos
(12/25) P/V & Lay in place Pipe RCC NP3 300 φ					
	2	2	2.50 M		= 10.00 M
			Lump to 8.00 M.		
(13/26) P/V & Fix in Place Gol-mi Header Board –					
			Total		1 No
(14/27) P/V & Fix in MM. Gov Project sign Board –					
	Logo Board				– 1
	Information				– 1
	Mant Board				– 1
					= 3 Nos
(15/28) Construction of subgrade & carriage shoulder					
do – do – do					

Continuation

Scale of Gr3 = 2×4×25.40×1.20×0.075 = 18.00

Total Qty. = 302.56 M³

(16) Construction of Embankment with material obtained from Borrow pits -

As per Calculation sheet by Level graph formula

S.No.	CH	C/S Area	Mean C/S	Distance	Volume
	(M)	(M²)	(M²)	(M)	M³
1.	00	6.940	–	–	–
2.	50	6.780	6.86	50	343.000
3.	100	6.800	6.79	50	339.500
4	150	4.840	5.820	50	291.000
5.	200	0.88	2.86	50	143.00
6	208	0.86	0.87	8.00	6.960

Total E/W (with Cut) = 1123.460 m³

Continuation

(4)

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Less for Deduction (Crust)					
(i) Sub-grade & Shoulder P/20, Ht 5/7					= 302.56 M³
(ii) Coarse Sand filling P/16, Ht 1/8					= ~~88.75~~ 53.17 M³
(iii) G.S.B. Qty P/5, Ht 1/4 Mark (A)					= 78.95 "
(iv) WBM Gr 3. P/7, Ht (1/10+1/5)					= 61.80 M³
(v) C.C. Pavement P/8, Ht 1/6, Mark (A)					= 84.14
To Cut. Crust Qty					= ~~585.62 M³~~ (A)
					= 585.62 M³ (A)
Hence net C/W in Earth					
= (A − B)					
= 1123.46 − 585.62					
= 537.84 M³ (D)					
(a) 85% Qty of (D) = Earth work with 1000 lead					= 457.16 M³ ~~= 473.67 M³~~
= 537.84 × 85%					
(b) 15% Qty of (D) with upto 1000 m. lead					= 80.68 M³
= 537.84 × 15%					~~= 80.68 M³~~
(17/10) Cost of unmetalled shoulder M-30 as — as —					
Lonato Bijendra Adeu	1 × 3.60 ×	4.70+2.20 / 2	× 0.160		= 1.99 M³
	1 × 5.00 ×	2.20+2.40 / 2	× 0.160		= 1.84 "
Anita Mahadev Pond, Gorayapkha	1 × 3.00 ×	0.90 ×	0.160		= 0.43 "
	1 × 3.00 ×	3.00 ×	0.160		= 1.44 "
	1 × 7.00 ×	1.25 ×	0.160		= 1.40 "
	1 × 4.75 ×	1.25 ×	0.160		= 0.95 "
	1 × 6.75 ×	2.65 ×	0.160		= 2.86 "
					= 10.91 M³

Amt to 3.75 M³

15/6/21 JE

Continuation

2016

2/06/21 A.E

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
ABSTRACT OF COST.					
(1/1) P/V & Fixing					
Mark & dgo — do — do					
= 0.208 km (P/13, Sl. 1/1)					
@ 3807=62/km				— ₹	792=00
(2/2) P/V & Fixing R.C.C.					
Pillar — do — do					
= 0.208 km (P/13, Sl. 2/2)					
@ 17440=92/km				— ₹	362=00
(3/3) Clearing & grubbing					
round land — do — do					
= 0.090 Hect (P/13, Sl. 3/3)					
@ 52970=33/Hect				— ₹	4767=00
4/5 Const. of Embkt with					
lead upto 1000m —					
do — do — exp grs					
457.16 ~~473.67~~ m³ (P/21, Mark (a)					87121=00
@ 190=57/m³				— ₹	~~90,067=00~~
5/6 Const. of Embkt with					
lead upto 1000m — do					
~~80.68~~ ~~83.59~~ m³ (P/21, Mark (b)					12,297=00
@ 153=66/m³				— ₹	~~12,844=00~~
6/7 Const. of Sub. grade					
& Earthen shoulder					
do — do — exp grs					
= 302.56 m³ (P/20, Sl. 5/7)					
@ 192=25/m³				— ₹	58169=00
					₹ 1,63,608=00

Continuation

Sch. XLV-Form No. 134 BF ₹ 1,63,608=-

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(7/8) Sand filling in lab.					
base (Coarse Sand)					
do — do — cft 0%					
~~= 57.~~					
~~= 38.75 M³ (P/14, Ser 7/8)~~					
~~@ 1924=09/M³ — ₹ 74558=-~~					
= 38.75 M³ (P/14, Ser 7/8)					
= 19.42 M³ (P/16, Ser 1/8)					
= 58.23 M³					
@ 1924=09/M³ — ₹ 1,12,040=-					
(8/9+14) Constn of GSB. Gr I.					
do — do — cft 0%					
= 87.55 M³ (P/14, Ser 8/9+14)					
@ 2463=20/M³ — ₹ 2,15,653=-					
(9/10+15) Constn of W.B.M.					
Gr.3 - do — do					
= 61.80 M³ (P/15, Ser 9/10+15)					
@ 3046=15/M³ — ₹ 188,252=-					
(10/16) Constn of Un-reinforced C.C Pavement					
M-30 — do — do — cft					
= 3.75 M³ (P/21, Ser 17/10)					
= 117.45 M³ (P/15, Ser 10/16)					
= 121.20 M³					754,613=-
@ 6226=18/M³ — ₹ ~~754,665=-~~					
(11/11) P/V & applying former					
Coat with (SS-1) — do					
= 381.25 M² (P/17, Ser 3/11)					
Amt to 378.75 m²					
@ 43=24/M² — ₹ 16,377=-					

Continuation ~~₹ 14,50,545=-~~
₹ 14,50,545=-

B/F ₹ ~~1,457,195=~~ 1,450,545=

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(12/12) P/V & apply & take coat with (B3-1) —do					
= 381.25 M² (P/17, Item 2/12)					
Limit to - 378.75 m²					
@ 14=79/M²				— ₹	5,602=00
(13/13) P/V laying & rolling 20 mm thick Mix Seal surface Type 'B' —do					
= 381.25 M² (P/17, Item 1/12)					
@ 196=88/M²				— ₹	74,568=00
(14/17) P/V & fix RM. stone —do —do —do					
= 1 No (P/18, Item 4/17)					
@ 2090=30 each				— ₹	2090=00
(15/18) 250 M. stone (Recast)					
= 1 No (P/18, Item 5/18)					
@ 585=23 each				— ₹	585=00
(16/19) P/V & fix 600 mm. Circular T/sign —do					
= 4 Nos (P/18, Item 6/19)					
@ 4608=76 each				— ₹	18,435=00
(17/20) P/V & fix 900 mm equilateral T/sign					
= 2 Nos (P/18, Item 7/20)					
@ 5091=94 each				— ₹	10,184=00
(18/21) 600 x 450 mm Rectangular T/sign —do —					
= 2 Nos (P/18, Item 8/21)					
@ 4483=38 each				— ₹	8,967=00

Continuation

₹ ~~1,577,626=~~
₹ 1,570,974=

16,31,187=00
16,88,171=00

Sch XLV Form No 134 (Pt-2)

Particulars	Details of actual measurement				Contents of area
	No	L	B	D	
(23/32) P/vE 600 x Typical Approach Barrier of Info Board with Board with Logo - do - do				
= 2 Nos (P/15, Gh 11/27)					
= 3 Nos (P/19, Gh 14/27)					
= 5 Nos @ 10871=08 each					₹ 54335=00
					₹ 16,85,494=00
(25/33) Add 1% Lab. Cess					₹ 16,855=00
(26/34) Add 12% G.S.T.					₹ 2,02,259=00
(27/35) Add Seig Fee as below @ 10% of basic rates of Material.					
(I) Earth Work Ex. All + Surround + Shuttle = 840.40 M³ @ 3=481/M³					₹ 2925=00
(II) GSB. G.I B/F = 87.55 M³ @ 55=581/M³					₹ 4866=00
(III) W.B.M. Gr:3 = 61.80 M³ @ 71=630/M³					₹ 4414=00
(IV) C.C. Pavt M.30 = 121.20 M³ @ 60=290					₹ 7307=00
(V) 20mm. M.S.S. Type B = 378.75 M² @ 1=413/M²					₹ 535=00
(VI) 300 φ RCC Duct pipe = 8.00 M @ 5=107/M					₹ 41=00
				₹ 20,088=00	₹ 20,088=00
Total Amt					₹ 19,24,696=00
Less Previous Payment					(-) ₹ 11,43,729=00
Payable Amount					₹ 7,80,967=00

15/8/2021
JE

Forward
3/8/21
A.E.

CSJ
AEJ
7/8

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Overall Material Statement					
(I) Earth Adj					840.40 M³
(II) Stone Metal Aggregate					158.83 M³
(III) Coarse Sand					149.31 M³
(IV) Stone chips (MSS + C.C.P)					119.31 M³
(V) Bitumen (S-90)					725.00 kg
(VI) Emulsion (SS-1)					0.324 M.T.
(VII) Emulsion (RS-1)					0.105 M.T.
					15/6/21 JE
					31/8/21 A.E

Supplied of B.T. Material

Items	dt	Invoice/Document			Qty
Bitu (S-90)	15/5/21				809.00 kg
Emulsion (SS-1)	17/4/21				0.40 MT
" (RS-1)	—	do	—		0.200 MT

Ballance Qty after Consumption

Items	Supplied	Consumed	Ballance
Bitu (S-90)	809.00 kg	725.00 kg	84.00 kg
Emul (SS-1)	0.400 MT	0.324 MT	0.076 M.T.
" (RS-1)	0.200 MT	0.105 "	0.075 MT.
			15/6/21 JE
			31/8/21 A.E

Continuation