MMGSY
SC

SIMRAFALL TO KESAVPUR
(पथ निर्माण कार्य)

Schedule XLV-Form No. 134

DAUDNAGAR DIVISION

RAFIGANJ SUB-DIVISION

MEASUREMENT BOOK

संवेदक : AMBUJ SHARMA

804

प्रमाणित किया जाता है कि उक्त
मापी पुस्तिका में कुल 100 (सौ)
पृष्ठ अंकित है जिसे गृहांक
अभिकर्ता ग्रामीण कार्य विभाग
कार्य अंचल प्रमण्डल रफीगंज के नाम
से निर्गत किया जाता है।

04.03.22

कार्यपालक अभियंता
ग्रामीण कार्य विभाग, कार्य प्रमण्डल
रफीगंज

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1st on A/c Bill

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 - Const of Road from Simrigfall to Kasgavpur Kashyapur under MMGSY-SC scheme.					
Agency - Ambuj Sharma.					
Agreement No - 29 SBD/MMGSY(SC)/2021-2022					
Date of work order - 25-08-2021					
Date of completion - 24-08-2022					
Agreement value 52,50,511 = 00					
Record Entry					
1/1(2) P/V and fixing Working Bench mark -Ts-	04 Nos				
2/1(2) P/V and fixing reference Pillar -Ts-	13 Nos				
3/2 P/V clearing and grubbing of road land.					
	2	X 45	X 30.00	X 3.50 =	9450.00 m2
	2	X 40	X 30.00	X 3.50 =	8400.00 m2
	2	X 24	X 30.00	X 3.50 =	5040.00 m2
	2	X 1	X 15.00	X 3.50 =	105.00 m2
					22995.00 m2

Continuation Or 2.2995 Hect

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(4/3) P/V excavation for roadway cutting etc					
2 X 20 X 30.00 X 0.525 X 0.100 = 63.00 m³					
(5/4) P/V const of embankment with approved Material etc					
60% of 63.00 m³ — 37.80 m³					
(6/5) P/V const of embankment with approved Material lead upto 100 m length etc					
30 X 30.00 X ((7.50+6.50)/2 − (3.10+2.90)/2) X 0.55 = 1800.00 m³					
35 X 30.00 X ((7.00+6.50)/2 − (3.30+2.70)/2) X 0.55 = 2165.63 m³					
25 X 30.00 X ((7.60+6.40)/2 − (2.80+2.60)/2) X 0.45 = 1451.25 m³					
					5416.88 m³
(7/6) P/V const of Subgrade and earthen shoulder etc					
30 X 30.00 X 7.25 X 0.30 =					1957.50 m³
20 X 30.00 X 7.30 X 0.30 =					1314.40 m³
					3271.90 m³
lead 1000 m length					
30% of 3271.90 m³ =					981.57 m³

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(8/7) Plv const of Subgrade and earthen shoulder etc lead 00m length etc					
70% of 3271.90 =					2290.33 m³
Almaw 15/2/2022					
J.E					
Record Entry.					
For 2m x 2m box culvert.					
2 Nos					
(1/20) Earth work in excavation for foundation —					
2 x 6.00 x 3.50 x 0.85 =					27.30 m³
2 x 2 x 3.50 x 1.30 x 1.80 =					32.76 m³
2 x 4 x 3.32 x 3.42 x 1.80 =					163.50 m³
					223.56 m³
(2/21) Plv P.cc reinforced Concrete in open foundation					
2 x 1 x 6.00 x 2.50 x 0.100 =					3.00 m³
2 x 4 x 3.32 x 2.42 x 0.200 =					12.84 m³
					15.84 m³

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(3/23) P/V Supplying fitting and placing HYSD bar in foundation etc					
10mm Ø @ 150mm c/c					
2X2X42 Nos X 2.50m = @ 0.617 Kg/m					490.00m 210m 259.14 Kg 129.57 Kg
10mm Ø @ 200mm c/c 2X2X2X12 Nos X 1.36m = @ 0.617 Kg/m					130.56m 65.28m 80.56 Kg 40.27 Kg
					169.84 Kg
				Or	0.169 MT 339.70 Kg
				Or	0.339 MT
(1/22) P/V Plain/Reinforced Concrete M20 grade in Open foundation etc					
2X4X2.92X (2.017+1.317)/2 X 1.60 =					62.38 m³
2X2X2.50X0.30X1.50 =					4.50 m³
					66.80 m³
(2/24) P/V Plain/reinforced M20 grade in Sub structure					
2X4X2.92X0.78X1.78 =					32.48 m³
(3/23) Supplying fitting and placing HYSD bar in Sub structure					

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
~~Abt in nos~~ 10mm @ @ 150 mm c/c					
2x2x42Nos		x 2.50		=	420.00m
~~Abt on~~ 10mm @ @ 150mm c/c					
2x2x42Nos		x 3.80m		=	638.40m
Distribution bar					
2x8x12x		6.00		=	1152.00m
Hunch					
2x4x45x		1.15		=	414.00m
Distribution bar above bed level 10 mm @ @ 200 mm c/c					
2x4x	2x	13x	2.25	=	468.00m

chair					
2x2x6x		1.25		=	30.00m
Angle bar					
2x2x47Nos		x 1.40		=	263.20m
Total length - 420.00 + 30.00m					
+ 638.40 + 1152 + 414.00 +					
468.00 + 263.20 = 3385.60m					
@ 0.617 kg/m				—	2088.91kg
				or	2.08 MT
(4/25) p/v weep hole in abt					
2x 6x 6				=	72 Nos

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(1/26) Plv Plain/reintroed					
Cement Concrete M25 grade					
2 x 6.40 x 2.50 x 0.20 =					7.50 m³
2 x 2 x 6.40 x 2.40 x 0.25 =					12.40 m³
2 x 4 x 6.40 x 0.10 x 0.10 =					0.54 m³
					20.04 m³
Dimen 2/3/2022 J.E					
(1/29) Plv and laying filter Media — etc.					
2 x 2 x 4.61 x 0.60 x 1.70 =					18.81 m³
2 x 4 x 2.32 x 0.60 x 1.87 =					20.82 m³
					39.63 m³
(2/28) plv backfilling behind abt —					
2 x 2 x 2.92 x 5.20 x 0.20 =					12.15 m³
2 x 2 x 2.92 x 4.61 x 1.78 =					95.84 m³
					107.99 m³
Less filter Media Qty — (-)					39.63 m³
					68.36 m³
(3/31) Supplying fitting and placing HYSD bar. slab upper 10mm @ 150 c/c					

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
2×12×10×2.50 =					210.00m
slab lower bar 12mm @ 150 c/c					
2×12 No × 2.50m =					210.00m
Angle bar in slab 10mm @ 100 c/c					
2×2×47×1.40m =					263.20m
Parapet main bar 10mm @ 200mm c/c					
2×2×2×12×10×1.00 =					96.00m
Parapet distribution 10mm @ 200mm c/c					
2×2×2×4×2.50 =					80.00m
Total Length 10mm @ 649.20 m					
@ 0.617 kg/m —					400.56kg
Total Length 12mm @ 210.00m @ 0.889 kg/m =					186.69kg
					587.25kg
					@ 0.587 MT
(2/30) plv laying reinforced Cement Concrete in Super Structure →					
2×2.50×6.00×0.25 =					7.50m³
2×2×2.50×0.25×0.50 =					1.25m³
					8.75m³

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
21/32 P/v Plain reinfreed cement Concrete in parapet					
2×2×8.34×0.60×0.40 =					8.00 m³
5/3/2022				6/3/2022	
3 Nos Hume pipe culvert					
1/20 P/v earth work in excavation for foundation					
3×2×6.450×1.40×1.50 =					81.27m³
3×1×4.850×1.530×0.365 =					8.13m³
					89.40m³
2/21 P/v Plain reinforced Concrete M15 grade in open foundation etc					
3×2×6.450×1.400×0.150 =					8.13m³
3×1×4.931×1.530×0.250 =					5.66m³
					13.79m³
3/24 P/v and laying R.C.C. pipe N.P.3 etc					
3×3×2.50 m =					22.50m
5/24 P/v Plain reinforced Concrete M20 grade in open foundation etc					

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
3X2X	6.150	X 0.825	X 3.180	=	96.81 m³
3X2X	6.150	X 0.40	X 0.60	=	8.86 m³
					105.67 m³
Less pipe 3X2X	0.7857	X (1.230)²	X 0.622	=	4.44 m³
					101.23 m³

(1/8) P/V const of granular Sub base Gr I

2X	20	X 30.40	X 0.525	X 0.100	= 63.40 m³
1X	30.30	X 4.05	X 0.100	=	364.50 m³
1X	20	X 30.40	X 4.05	X 0.200	= 486.40 m³
1X	33	X 30.40	X 4.05	X 0.200	= 670.50 m³
				Total -	1715.40 m³

(2/14) P/V and fixing Typical MMGSY Board - 02 Nos

10/3/2022
J.E

12/3/2022
AE

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	Abstract of cost				
1. (12) P/v and fixing Working Bench mark. 04 Nos vide TMB Page (1) @ Rs 3610=27/each					Rs 14441=00
2. (22) P/v and fixing reference Pillar — 13 Nos vide TMB Page (1) @ Rs 1648=45/each					Rs 21430=00
3. (2) P/v clearing and grubbing of road land — 2.2995 Hect vide TMB Page (1) @ Rs 53879=81/Hect					Rs 123897=00
4. (3) P/v excavation for roadway cutting 63.00 m³ vide TMB Page (2) @ Rs 75=61/m³					Rs 4763=00
5. (4) P/v const of embankment ~~load~~ for Box cutting 37.80 m³ vide TMB Page (2) @ Rs 26=71/m³					Rs 1010=00
6. (5) Const of embankment lead 100 m length — 5416.88 m³ vide TMB Page (2) @ Rs 143=30/m³					Rs 776239=00
					Rs 941780=00

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(7/6) Plv const of Subgrade and e/s lead 1000m length					
981.5 m³ vide TMB Page (2)					
@ Rs 192=10/m³ — Rs 188560=00					
(8/7) Plv Const of Subgrade and e/s lead 1000m length					
2290.33 m³ vide TMB Page (3)					
@ Rs 131.29/m³ — Rs 300697=00					
(9/8) Plv Const of Granular Sub base Gr I					
~~1715.40~~ 670.50 m³ vide TMB Page (9)					
@ Rs 2023=32/m³ — Rs ~~1357636=00~~ 347080=00					
(10/14) Plv and fixing typical MMGSY Board —					
@ 2 Nos vide TMB Page (9)					
@ Rs 9495=93/each — Rs					18992=00
(11/20) Plv earthwork in excavation for foundation					
223.56 m³ vide TMB Page (3)					
89.40 m³ vide TMB Page (8)					
312.96 m³					
@ Rs 283.94/m³ — Rs					88862=00
(12/21) Plv Plain RCC M15 grade in open foundation					
15.84 m³ vide TMB Page (3)					
13.79 m³ vide TMB Page (8)					
29.63 m³					

5009697

Sch. XLV-Form No. 134 B.I. 5009694

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
@ Rs 4479=56/m³ — Rs 132729=00					
(13/22) P/V Plain/R.C.C. M20 grade					
~~66.94 m³~~ 55.65 m³ vide TMB Page (4)					
~~105.67 m³ vide TMB Page (9)~~					
~~741.32 m³~~					
@ Rs 4989.42/m³ — Rs 333293=00					
(14/23) Supplying fixing placing HYSD bars					
0.339 MT vide Page (4)					
@ Rs 48671=73/MT — Rs 16500=00					
(15/24) P/V Plain/R.C.C. M20 grade concrete					
32.48 m³ vide TMB Page (4)					
101.23 m³ vide TMB Page (9)					
133.71 m³					
@ Rs 5180=98/m³ — Rs 692749=00					
(16/25) P/V weep holes					
72 Nos vide Page (5)					
@ Rs 108=70/each — Rs 7826=00					
(17/26) P/V Plain/R.C.C. Cement M25 grade					
20.04 m³ vide Page (6)					
@ Rs 5749=74/m³ — Rs 115225=00					
~~Rs 4193849=00~~					

Continuation 6308016=00

Sch. XLV-Form No. 134 :C 630816 =00

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(18) (27) Supplying fitting and Placing HYSD bar 2·08 MT vide TMB Page (5) @ Rs 48820=28/MT — Rs 101546=00					
(19) (28) p/r Back filling 68·36 m³ vide TMB Page (6) @ Rs 758=87/m³ — Rs					51876=00
(20) (29) p/r filter media 39·63 m³ vide TMB Page (6) @ Rs 2751=66/m³ — Rs					109048=00
(21) (30) p/r and laying cement Concrete M30 grade 5·75 m³ vide page (7) @ Rs 6283=85/m³ — Rs					54984=00
(22) (31) Supplying fitting Placing HYSD bar 0·587 MT vide page (7) @ Rs 49916=39/MT — Rs					29301=00
(23) (32) p/r plain R.C.C. in parapet 8·00 m³ vide page (8) @ Rs 5180=93/m³ — Rs					41448=00
(24) (34) p/r laying R.C.C. pipe N.P. 3 22·50 m vide TMB Page (9) @ Rs 3704=35/m — Rs					83348=00
				Rs	461352=00
					677567=00

Continuation

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Particulars	No.	L.	B.	D.	Contents of area
		BF	Rs	4613524=00	
Add 12% GST			Rs	813548 553623=00	
Add 1% L: Cess			Rs	677166 46135=00	
Add S.P			Rs	38060=00	
	7698771/-	Rs	52,51,342=00		
Less 9.90% below (-) Rs				762220 = 552289=00	
			Rs 50,99053=00		
		₹	74,75,701/=00		
Kumar 10/3/2022 J.E			Sd/- 12/3/2022 AB		

Material Statement

Earthwork – 8688.78 m³
Stone Metal – 281.40 m³
Crushed Sand – 120.60 m³
Course Sand – 120.115 m³
Stone Chip – 240.24 m³

Kumar 10/3/2022
J.E

Continuation