

394137E 22E 21M (MMGsy SC)
Schedule XLV-Form No. 134

Darbkhanya - 1 **DIVISION**

Bakeluxpur **SUB-DIVISION**

M.O No. 3587

Measurement Book

2995 - 9A 2995 9A Rite

Is on A/c, Bill

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 measurement relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work - Construction of Road					
from Ammadith to Rahi Tala					
Agency - Sri Subodh Kumar Singh					
Nirmaiti, Dist - Darbhanga					
Agreement No. - 92 SBD/2020-21 (NHLSY-S)					
Rate - 03.97% below from B.O. & Rate					
Date of start - 13-01-2021					
Date of completion - 12-01-2022					
①	Setting out Working				
	Bench mark				
	Qty = 1 nos.				
②A	constn of Reference				
	Pillars Qty = 5 Nos				
③/2B	cleaning & Qty = 5 Nos Grubbing				
	10x	30x	3.5	=	1050.00
	10x	30x	3.5	=	1050.00
	10x	30x	3.5	=	1050.00
	8x	30x	3.5	=	840.00
	1x	10x	3.5	=	35.00
					4025.00
	0.40 HA				

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(3) Earthwork in excavation in foundation					
Head wall	2x	4.15	1.4	1.47	17.08
bedding	1x	5.78	1.07	0.25	1.55
					18.63 m ³
Hence 3 Nos X 18.63 =					55.89 55.89 m ³
(4) Bedding in PCC M/s Local sand					
	1x	5.78	1.07	0.55	3.40
deduction for pipe	1x	5.78	0.22	(-)	1.270
					2.13 m ³
Hence 3 Nos X 2.13 m ³ =					6.39 m ³
(5) PCC M/s open foundation					
	2x	3.85	1.40	0.15	1.62 m ³
Hence 3 Nos X 1.62 =					4.86 m ³
(6) Head wall in Brick (1:1:4)					
Head wall	2x	3.85	$\frac{1+0.65}{2}$	2.005	12.74
Parrapet	2x	3.85	0.60	0.40	1.85
					14.59
deduction	2x	0.465	0.61	(-)	0.57
					14.02 m ³
Hence 3 Nos X 14.02 m ³ =					42.06 m ³
(7) Providing and laying 600 mm Pipe NP3					
	3x	2.5			7.5 m
Hence 3 Nos X 7.5 m =					22.5 m

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(8) Plastering with cement mortar (1:4)					
Parapet sides	4x	3.85x	1.00	=	15.4
Parapet faces	4x	0.4x	0.50	=	0.80
Parapet Top	2x	3.85x	0.40	=	3.08
Head Wall Sides	2x	3.85x	0.60	=	4.62
					23.90 m ²
Hence 3 Nos x 23.90 =					47.8 71.7 m ²
Limit —					42.06 m ²
(9) Painting on concrete					
Qty — 42.06 m ²					
(10) Excavation Earth work					
Head Wall	2x	6.45x	1.40x	1.50 =	27.09
Bedding	1x	5.78x	1.53x	0.25 =	2.21
					29.3
(11) Bedding in local sand					
	1x	5.78x	1.53x	0.55 =	4.86
deduction for pipe	1x	5.78x	0.22 =	(-)	1.3
					3.56 m
(12) PCC M15 in open foundation					
	2x	6.45x	1.40x	0.15 =	2.71 m ³
(13) Head wall in Brick masonry (1:4)					
Head Wall	2x	6.2x	$\frac{1+0.65}{2}$ x	2.465 =	25.22
Parapet	2x	6.2x	0.60x	0.40 =	2.98
					28.2
deduction	2x	Continuation 1.188x	0.61	(-)	1.45
					26.75 m ³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(14) Providing and laying Pipe NP3 1000 mm dia 3×2.50					$= 7.50 \text{ m}$
(15) Plastering with cement mortar (1:4)					
Parapet Sides	4	6.2	0.60		$= 14.88$
Parapet Faces	4	0.1	0.60		$= 0.96$
Parapet Top	2	6.2	0.40		$= 4.96$
Head wall	2	6.2	1.115		$= 13.83$
					34.63 m^2
(16) Painting on concrete of - 34.63 m^2					

- (17) Constn of embankment
with material from
borrow pit - do do
with lead 1000 m &
100 m

S.No	chainage	length m	Area	Mean Area	Quantity
1	0	-	1238	-	-
2	50	50	2.276	1.757	87.85
3	100	50	2.823	2.550	127.475
4	150	50	2.360	2.592	129.575
5	200	50	2.019	2.190	109.475
6	250	50	2.081	2.05	102.5
7	300	50	1.879	1.98	99.0
8	350	50	2.857	2.37	118.4

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Continued					
9 400	50	2.593	2.73		136.25
10 450	50	1.668	2.131		106.525
11 500	50	2.924	2.296		114.8
12 550	50	2.674	2.799		139.95
13 600	50	2.332	2.503		125.15
14 650	50	1.737	2.035		101.725
15 700	50	1.580	1.659		82.925
16 750	50	1.694	1.637		81.85
17 800	50	1.696	1.695		84.75
18 850	50	1.822	1.759		87.95
19 900	50	2.593	2.208		110.375
20 950	50	2.251	2.422		121.1
21 1000	50	1.055	1.653		82.65
22 1050	50	0.611	0.833		41.65
23 1100	50	1.051	0.831		41.55
24 1150	50	0.531	0.791		39.55
					2273.000 m ³
(i) lead upto 1000 m					
30% Qty = 682.00 m ³					
ii) lead upto 100 m 70%					
Qty = 1591.00 m ³					
14					
10/03/2021					
J.E					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	measurement date - 15-03-2024				
①	Constn of G.S.B				
	with well graded				
	material				
B.T Portion (Earthen Road)	10x	30x	4.050x	0.200 =	243.00
	10x	30x	4.050x	0.200 =	243.00
	10x	30x	4.050x	0.200 =	243.00
	3x	30x	4.050x	0.200 =	72.9
	1x	10x	4.050x	0.200 =	8.1
Extra widening on curve	1x	8x	1.6x	0.200 =	2.56
	1x	10.2x	1.5x	0.200 =	3.06
	1x	8.5x	1.5x	0.200 =	2.55
	1x	10x	1.8x	0.200 =	3.6
	1x	5x	1.2x	0.200 =	1.2
	1x	11x	1.8x	0.200 =	3.52
CC Portion (Earthen)	3x	30x	3.750x	0.100 =	33.75
	1x	10x	3.75x	0.100 =	3.75
Widening Brick road	2x	30x	0.375x	0.100 =	2.25
	2x	20x	0.375x	0.100 =	1.50
Profile Correction	3x	5.3x	1.6x	0.100 =	2.54
					870.28 m ³
	Limit - 869.78 m ³				
②	Boundary Pillar M15				
	Qty = 12 Nos				
③	P.S.F. MMLSY Sign board with Logo				
	Qty = 2 Nos				

15/03/2024 Continuation
J.E

15/03/2024
at
conf
Bina

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>ABSTRACT OF COST</u>					
(1/1) Setting out working Bench mark					
Qty - 1 Nos V.P. - (1/1)					
@ 3894.92 each -					3895.00
(2/2) Const ⁿ of Reference Pillars					
Qty - 5 Nos V.P. - (1/5)					
@ 1789.33 each -					8947.00
(3/3) clearing & grubbing					
Qty - 0.40 Hect V.P. - (1/20)					
@ 52970.33 / Hect. -					21347.00
(4/24) Earthwork in excavation in foundation					
V.P. - $\frac{3}{4}$, Qty - 55.89 m ³					
V.P. - $\frac{3}{16}$, Qty - 29.3 m ³					
					85.19 m ³
@ 279.09 / m ³ -					23776.00
(5/25) Bedding in PCC M/S Local sand					
V.P. - $\frac{3}{4}$, Qty - 6.39 m ³					
V.P. - $\frac{3}{11}$, Qty - 3.56 m ³					
					9.95 m ³
@ 493.78 / m ³ -					4913.00
(6/20) PCC M/S Open foundation					
V.P. - $\frac{3}{8}$, Qty - 4.86 m ³					
V.P. - $\frac{3}{12}$, Qty - 2.71 m ³					
					7.57 m ³
@ 5235.00 / m ³ -					39629.00
Continuation					

102507-00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B.F	—	102507.00
(7/27) Head wall in Brick (1:4)					
	V.P. - $\frac{2}{8}$	Qty -			42.06 m ²
	V.P. - $\frac{3}{13}$	Qty -			26.75 m ²
					68.81 m ²
	@ 5776.14 / m ³ —				397456.00
(8/28) Providing & Laying					
	NP ₃ Pipe 600 dia				
600 mm dia	V.P. - $\frac{2}{7}$	Qty =			22.5 m
1000 mm dia	V.P. - $\frac{4}{14}$	Qty =			7.5 m
	@ 2632.56 / m —				59233.00
(9/29) Providing & Laying					
	NP ₃ Pipe 1000 mm dia				
	V.P. - $\frac{4}{14}$	Qty =			7.5 m
	@ 3674.18 / m —				27556.00
(10/30) Plastering with cement mortar					
	V.P. - $\frac{3}{8}$	Qty -			42.06 m ²
	V.P. - $\frac{4}{15}$	Qty -			34.63
					76.69 m ²
	@ 16670 / m ² —				12784.00
(11/31) Painting on concrete					
	V.P. - $\frac{3}{8}$	Qty -			42.06
	V.P. - $\frac{4}{16}$	Qty -			34.63
					76.69 m ²
	@ 139.83 / m ² —				10724.00

610260.00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B.F =	610280.00
(12/05) 12/05	Const ⁿ of embankment				
	With material obtained				
	from borrow pit do				
	with lead 100m &				
	bank V.P - $\frac{45}{1211}$ Qty - 682 m ³				
	@ 190.36 / m ³ —				129825.0
(13/06) 13/06	Upto lead 100m				
	V.P - $\frac{45}{1211}$ Qty - 1591 m ³				
	@ 154.28 / m ³ —				245459.0
(14/08) 14/08	Const ⁿ of G.S.B				
	V.P - $\frac{6}{1}$ Qty - 869.78 m ³				
	@ 2555.55 / m ³ —				2222886.0
(15/21) 15/21	Boundary pillars				
	V.P - $\frac{6}{2}$ Qty - 12 Nos				
	@ 563.88 each —				6767.00
(16/17) 16/17	P.S.F M.M.G.S.Y Sign Board				
	V.P - $\frac{6}{3}$ Qty - 2 Nos				
	@ 9497.49 each -				18995.00
					3234072.0
	Add GST 12% =				388089.00
	Add labour 1% =				32341.00
					3654502.0
	Less below 03.97% = (-) 145084.00				
					3509418.0
	15/03/2024 J.E				