

Gaya. Nalanda Rd to Middle School
Indra Nagar via Indra (MMS)

Schedule XLV Form No. 134.

Ausserh

E.E R.W.D (W)

DIVISION

Gaya

A.E R.W.D (W)

SUB-DIVISION

Wazirganj

Measurement Book

3324

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 measurement relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1. Name of work! - Craya Nawada Road to middle school Indra Nagar via Indra					
2. Agency! - Ajit Kumar Priyadarshi.					
3. Agreement No. 1 - 24 / mmh SUB 1 NOB / Awresh / 2023 - 2024					
4. Date of commencement! - 31.01.24					
5. Date of completion! - 30.01.25					

6. Block! - Wazirganj.

7. Length! - 0.457 kms

8. Below! - 0.05%.

Work done! —

1. (a) Constⁿ of Reference and

Working Benchmark! —

complete all jobs

$$5 \times 30m = 150.0$$

$$5 \times 30m = 150.0$$

$$5 \times 30m = 150.0$$

$$1 \times 7m = 7.00m$$

$$457.0m$$

$$= 0.457 \text{ km.}$$

(b) Constⁿ of reference pillar —
complete all jobs.

Continuation

$$1 \times 0.457 = 0.457 \text{ km}$$

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Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
2. cleaning and grubbing				
road land including				
uprooting - - -				
Complete all jobs.				
$5 \times 30m \times 7.00 =$				1050.0
$5 \times 30m \times 7.00 =$				1050.0
$5 \times 30m \times 7.00 =$				1050.0
$1 \times 7.00m \times 7.00 =$				49.0
				3199.0m ²
				= 0.320 hlt
3. Cost ⁿ of granular				
sub-base by providing				

Well Graded material				
materials - - -				
Complete all jobs				
D.O. measurement -			11.8.24	
$1 \times 30m \times 3.75 \times 0.10 =$				11.25
$1 \times 30m \times 3.75 \times 0.10 =$				11.25
$1 \times 30m \times 3.75 \times 0.10 =$				11.25
$1 \times 30m \times \frac{4.15 + 3.75}{2} \times 0.10 =$				11.85
$3 \times 30m \times 3.75 \times 0.10 =$				33.75
$1 \times 30m \times \frac{4.25 + 3.75}{2} \times 0.10 =$				12.00
$4 \times 30m \times 3.75 \times 0.10 =$				45.00
$1 \times 30m \times 3.75 \times 0.10 =$				11.25
$1 \times 30m \times \frac{3.75 + 4.25}{2} \times 0.10 =$				12.00
$1 \times 30m \times 3.75 \times 0.10 =$				11.25
$1 \times 7m \times 3.75 \times 0.10 =$				2.625
				173.47m ³

11.8.24
26

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
4. WBM Grd 3					
providing laying spreading					
and Compacting stone					
aggregates of specific					
size - - - -					
Complete all jobs.					
D.O. measurement: - 18.8.24					
1x 30m x 3.75 x 0.075 =					8.437
1x 30m x 3.75 x 0.075 =					8.437
1x 30m x 3.75 x 0.075 =					8.437
1x 30m x 4.15 + 3.75					
2					x 0.075 = 8.887
3x 30m x 3.75 x 0.075 =					25.312
1x 30m x 4.25 + 3.75					
2					x 0.075 = 9.00
4x 30m x 3.75 x 0.075 =					33.75
1x 30m x 3.75 x 0.075 =					8.437
1x 30m x 3.75 + 4.25					
2					x 0.075 = 9.00
1x 30m x 3.75 x 0.075 =					8.437
1x 7m x 3.75 x 0.075 =					1.968
<u>18.8.24</u>					
<u>18.8.24</u>					
5. Constr of sub. Grade and					
earthen shoulders - - -					
Complete all jobs.					
c/o to next page.					

130.10 m³

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>side of GSB and 48m Grd-3</u>					
5x30m x 2x1.62 x 0.10					= 48.6
5x30m x 2x1.62 x 0.10					= 48.6
5x30m x 2x1.62 x 0.10					= 48.6
1x7m x 2x1.62 x 0.10					= 2.268
					<u>148.068m³</u>

6. constⁿ of embankment
with approved material
obtained from borrow
pits with a lift upto
1.5m — — —
complete all jobs.

Chainage	Area Fill	Vol. Fill	Cumulative Fill
0	1.19	0	0
50	4.741	148.28	148.28
100	3.778	212.98	361.26
150	3.645	185.58	546.84
200	4.015	191.5	738.34
250	3.706	193.03	931.37
300	3.87	189.4	1120.77
350	2.431	157.52	1278.3
400	3.845	156.9	1435.2
450	2.5	158.63	1593.83
457.25	2.98	19.74	1613.57
			<u>1613.57 m³</u>

C/O to next page.

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				=	1613.57m ³
Lead & GSB				= (t)	173.47
WRBm Grad - 3				= (t)	130.10
Sub. Grade - (t)					148.068
Rigid pavement - (t)					335.99
					<u>825.94m³</u>
Limit = 60%.				=	495.00m ³
(I)	1000 m lead			30% =	148.50m ³
(II)	100m lead			= 70% =	346.50m ³
(7)	600mm H.P.				
	Earthwork in excavation of four - -				
	Complete all jobs.				
Face wall	2x3.90x1.24x1.50				= 14.51
Pipe	1x6.22x1.02x0.30				= 1.90
Portion					<u>16.41m³</u>
(8)	Providing concrete for plain/reinforced concrete - -				
	Complete all jobs				
	2x3.9x1.24x0.15				= 1.45m ³
(9)	Providing concrete for plain/reinforced concrete in open				
	four - -				
	Complete all jobs.				

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Face wall in form	2x3	6x0.865	x	1.35	= 8.41
Below Pipe	1x6	22x1.020	x	0.25	= 1.59
					10.0 m ³

(10) Plain/reinforced cement

concrete in sub-structure — — —

Complete all Jobs

Face wall 2x3 6x0.48 x 1.12 = 3.87

Deduct Pipe portion 2x3 14 x (72)² x 0.52 = 0.423.45 m³

(11) Providing & Laying

ISI mark cement

concrete hume pipe —

Complete all Jobs

3x2.5 = 7.50 Km

(12) Laying first class bedding — — —

Complete all Jobs

Below Pipe 1x6 22 x 1.02 x 0.55 = 3.49

Deduct Pipe portion 1x6 22 x 0.16 = -1.00

2.49 m³

Continuation

Abstract of cost

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Particulars	Details of actual measurement				Con of
	No.	L.	B.	D.	
1. (a)	Const ⁿ of reference and				
<u>1</u>	working bench mark - -				
	vide TMB Pg- 1				
	Qty = 0.457 km				
	@ 5819.67 / km				
					= Rs 2660.0
(b.)	Const ⁿ of reference				
<u>2</u>	pillar - - -				
	vide TMB Pg- 1				
	Qty = 0.457 km				
	@ 4061.86 / km				
					= Rs 1856.0
2.	cleaning and grubbing				
<u>3</u>	road land including				
	uprooting - - -				
	vide TMB Pg- 2				
	Qty = 0.320 hect				
	@ 75573.34 / hect = Rs 24183.0				
3.	Const ⁿ of granular				
<u>4</u>	subbase by providing - -				
	vide TMB Pg- 2				
	Qty = 173.47 m ³				
	@ 2222.25 / m ³				
					= Rs 385494.0

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
4. 8	WBM und-3				
	Providing, Laying, spreading and compacting stone aggregate TMB Pg- 3				
	Qty: 130.10 m ³				
	@ 3368.29 / m ³ = Rs 438215.0				
5. 6	Const ⁿ of subgrade and earthen shoulders				
	vide TMB Pg- 4				
	Qty: 148.068 m ³				
	@ 263.14 / m ³ = Rs 38963.0				
6.	Const ⁿ of embankment with approved material - - -				
	vide TMB Pg- 5				
I/4.	1000 m Lead - -				
	Qty = 148.50 m ³				
	@ 259.60 / m ³ = Rs 38551.0				
II/5.	100 m Lead - -				
	Qty: 346.50 m ³				
	@ 211.39 / m ³ = Rs 73247.0				

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
7. 18.	Earthwork in exca. vation for str --				
	vide TMB Pg-	5			
	Qty=	16.41	m ³		
	@	398.62	/m ³	=Rs	6541.0
8. 19.	Providing concrete for plain/reinforced --				
	vide TMB Pg-	5			
	Qty=	1.45	m ³		
	@	5805.170	/m ³	=Rs	8417.0
9. 20	Providing concrete for Plain/reinforced Concrete --				
	vide TMB Pg-	6			
	Qty=	10.0	m ³		
	@	6323.39	/m ³	=Rs	63234.0
10. 21	Plain/reinforced cement concrete in substructure --				
	vide TMB Pg-	6			
	Qty	3.45	m ³		
	@	6624.05	/m ³	=Rs	22853.0

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
11. <u>22</u>	Providing & Laying ISS mark cement-				
	vide TMB Pg- 6				
	Qty: 7.50 Rm				
	@ 1277.21 / Rm = Rs				9579.0
12. <u>24</u>	Laying first class bedding - - -				
	vide TMB Pg- 6				
	Qty: 2.49 m ³				
	@ 575.24 / m ³				
					= Rs 1432.0

13. <u>25</u>	Filling in four tre- nches - - -				
	vide TMB Pg- 7				
	Qty: 4.10 m ³				
	@ 575.24 / m ³ = Rs				2358.0

14. <u>26</u>	Providing and Laying boulder apron - -				
	vide TMB Pg- 7				
	Qty: 3.35 m ³				
	@ 2691.67 / m ³				
					= Rs 9017.0

Continuation

Continuation

Material statement

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① G.S.B					
(a) 53 mm to 9.5 mm					
= 111.02 m ³					
@ 931.75/m ³				Rs	103442.0
(b) 9.5 mm to 2.36 mm					
= 44.40 m ³					
@ 429.97/m ³				Rs	19090.0
(c) 2.36 mm below					
(course sand)					
= 66.61 m ³					
@ 264.78/m ³				Rs	17636.0

② Grd-3					
(a) 53 mm to 22.4 mm					
= 143.25 m ³					
@ 1100.04/m ³				Rs	157580.0
(b) 11.2 mm to					
= 14.16 m ³					
@ 429.97/m ³				Rs	6088.0
(c) stone chips					
13.41 m ³					
@ 1207.76/m ³				Rs	16196.0
(d) course sand =					
6.70 m ³					
@ 264.78/m ³				Rs	1774.00

321806.0

Continuation

S. Fee = 10% = 32180.00

c/o to next page.

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

⑤ Earthwork 643.068 m³

Aug

238.24
3.6

Continuation