

જે અમલદાર તેમ

શરદા આરુદ્ધ મુલ્કી

મલિક

Schedule XLV-Form No. 134

અમલદાર વિભાગકાર્ય પ્રમુખશ્રી - DIVISION

અમલદાર વિભાગકાર્ય અમલદાર SUB-DIVISION
જાણકાર

MEASUREMENT BOOK

2281

Sch. XLV-Form No. 134

बेसमीन कार्मि विभाग कार्मि प्रमंडल पूर्ण
कार्मि अवर प्रमंडल नानपुर

DIVISION

SUB-DIVISION

Measurement Book

No. 2281

Name of officer

श्री रामकुमार सल्यार्थी
सहायक भूमिधेन कार्मि अवर प्रमंडल नानपुर

Date of first entry

Date of last entry

Est 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				Contents of area
	No.	L.	B.	D.	
N/w! - Construction of road					
2 CD works with maintenance for Brahman to Amalher-tala undermushy					
N/Agency! - Shree Awaadh mittela Construction Pvt Ltd					
baruraj, motipur, muzaffarpur.					
Agreement no - 25280 of 2020-21					

Date of Commence! - 06-05-20

Date of Completion! - 5-02-21

RECORD MEASUREMENT

(1/1) P/v & Fixing of working bench mark

(a) working bench mark PULL

Qty = 1 Km

(b) Reference Piller

Qty = 1 Km

(2/2) clearing & grubbing Road land etc.

Continuation

5th and Final Bill

25

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
N/W:- Constn. of Road 2					
CD works with maintenance					
for Baramhadi to Andheri					
tala under survey					
N/Agency:- Shree Awaradh					
Methala Constn. Pvt. Ltd.					
at Motipur, Muzaffarpur.					
Agreement no:- 06/SBD of 20-21					
Date of start:- 06-05-20					
Date of Completion:- 5-02-21					

Work Done

Earthwork 8th Sheet

SL No.	CH	Area	Mean Area	Distance	Volume
1	0				
2	50	5.225	50		
3	100	5.82	50		
4	150	5.747	50		
5	200	5.257	50		
6	250	6.422	50		
7	300	7.958	50		
8	350	7.571	50		
9	400	7.261	50		
10	450	7.239	50		
11	500	6.773	50		

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
12	550	5.274	50		
13	600	3.16	50		
14	650	2.564	50		
15	700	2.89	50		
16	750	2.352	50		
17	800	2.748	50		
18	850	2.519	50		
19	900	2.504	50		
20	950	2.508	50		
21	1000	2.323	50		

Work Done

Earth Work Qty Sheet

SL No.	CH	Area	Mean Area	Distance	Volume
1	0	5.363			
2	50	5.094	5.229	50	261.425m ³
3	100	5.946	5.52	50	276.00m ³
4	150	5.547	5.747	50	287.325m ³
5	200	5.046	5.297	50	264.025m ³
6	250	7.797	6.422	50	321.075m ³
7	300	8.198	7.998	50	393.075m ³
8	350	6.944	7.571	50	370.55m ³
9	400	7.577	7.261	50	363.025m ³
10	450	6.901	7.239	50	361.95m ³

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
11	500	4.641	4.773	50	330.625 m ³
12	550	3.504	5.274	50	263.7 m ³
13	600	2.716	3.76	50	158 m ³
14	650	2.712	2.564	50	128.2 m ³
15	700	3.067	2.89	50	144.475 m ³
16	750	2.837	2.562	50	147.6 m ³
17	800	2.659	2.718	50	137.4 m ³
18	850	2.378	2.519	50	125.925 m ³
19	900	2.63	2.504	50	125.2 m ³
20	950	2.386	2.308	50	125.4 m ³
21	1000	2.259	2.323	50	116.125 m ³
Total = 1625 m ³					3424.7 m ³

Depression 45 B = (c) 604.4 m³

WBM = (d) 286.29 m³

PCC = (e) 305.61 m³

WSS = (f) 38.02 m³

Net Q₄ = 3490.33 m³

(2/3) Constn. of embankment

with material obtained

from borrow pit etc.

(a) Lead 1000 m

Q₄ = 748.58 × 95% = 711.15

Less Previous Q₄ = 711.15 m³
Q₄ = 568.84 m³

(b) Lead 100 m

Net = 142.35 m³

Q₄ = 1075.46 × 95% = 1021.68 m³

Continuation

Q₄ = 1021.68 m³

Less Previous

= (c) 811.35 m³

Q₄

Net = 210.33 m³

Sch. XLV Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(2/4) Constn. of subgrade					
2 courses granular					
etc.					
					$Qty = 16.6.25 \times 95\% = 1582.37$
					$Qty = 1582.37^2$
					$102.1237.5$
					$11.6 = 245.47m^3$
(3/5110) Constn. of granular					
Sub-base by providing					
well graded etc.					
Extra widening					
at curve					
in PCC					$2 \times 10m \times 0.91m \times 0.1 = 1.82m^3$
(4/6110) P/V layering					
etc.					
Extra widening					
at curve					
in PCC					$2 \times 10m \times 0.91m \times 0.03m = 1.06m^3$
(5/12) Constn. of un-reinforced					
Plain cement Concrete					
Pavement etc.					
Update measurement					
					$3 \times 30m \times (3.75 + 3.0) \times 0.16m = 54.36m^3$
					$3 \times 30m \times (3.75 + 3.0) \times 0.16m = 54.36m^3$
					$30m \times (3.75 + 3.0) \times 0.16m = 10.12m^3$
					$2.6m \times (3.75 + 3.0) \times 0.16m = 15.9m^3$
					$3 \times 30m \times (3.75 + 3.0) \times 0.16m = 54.36m^3$
					$3 \times 30m \times (3.75 + 3.0) \times 0.16m = 54.36m^3$

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D.	
$2 \times 30m \times \frac{(3.95+3.8)}{2} \times 0.16m = 36.24m^3$					
$10m \times 3.9m \times 0.16m = 6.24m^3$					
$10m \times \frac{(3.8+5.6+10.5+3.8)}{4} \times 0.16m = 3.43m^3$					
$4m \times 3.75m \times 0.16m = 2.4m^3$					
					$Q_{H1} = 305.61m^3$
Less Previous Q_{H1}					$= 303.34m^3$
vide TMS 7-23					
					$Net = 2.27m^3$
(G/3) P/W 2 applying primer					
Cont with blower machine					
etc.					
$15m \times 3.9m = 58.5m^2$					
$30m \times 3.75m = 112.5m^2$					
$2 \times 30m \times \frac{(3.95+3.85)}{2} = 228m^2$					
$3 \times 30m \times \frac{(3.75+3.85)}{2} = 342m^2$					
$3 \times 30m \times \frac{(3.75+3.85)}{2} = 342m^2$					
$3 \times 30m \times \frac{(3.75+3.85)}{2} = 342m^2$					
$30m \times \frac{(3.75+3.8)}{2} = 113.25m^2$					
$30m \times \frac{(3.75+3.85)}{2} = 114m^2$					
$30m \times 3.8m = 115.5m^2$					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		$15 \text{ m} \times (3.75 + 3.05) \text{ m}$			$= 57 \text{ m}^2$
		$10 \text{ m} \times 3.8 \text{ m}$			$= 38 \text{ m}^2$
		$10 \text{ m} \times 3.85 \text{ m}$			$= 38.5 \text{ m}^2$
					$Q_{t1} = 1901.25 \text{ m}^2$
(7/8) p/v 2 applying tack					
Coat with bitumen emulsion					
etc.					
Qty same as item no					
(6/8)					
$Q_{t1} = 1901.25 \text{ m}^2$					

(8/9) p/v, laying 2 rolling					
of close-graded premix					
surfacing material of					
20 mm thickness etc.					
Qty same as item					
no. (7/8)					
$Q_{t1} = 1901.25 \text{ m}^2$					
(9/13) Reinforced concrete					
Concrete M-15 grade kilo-					
meter local stone etc.					
(i) km stone					
$Q_{t1} = 2 \text{ Mpa}$					
(ii) 200m stone:-					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					Qty = 1 Nos
(10/14) Boundary Pillar:- Reinforced concrete M-15 grade boundary pillar etc.					Qty = 2 x 20 = 40 Nos
					Qty = 40 Nos
(11/15) P/o & Fixing of Retro Reflective Cautionary, Mandatory & Informatory Sign board etc.					
(i) 600 mm circular (Speed Limit)					Qty = 4 Nos
(ii) 500 mm equilateral & triangle					Qty = 2 Nos
(iii) 600 mm x 450 mm rectangular					Qty = 2 Nos
(12/16) P/o & Laying of hot applied thermoplastic Compound 2.5m thick etc					2 x 500m x 0.1m = 100 m ²
(13/17) P/o & Laying of hot					

Continuation

32
Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
applied thermoplastic compound on concrete surface etc.					
		2x500m	x 0.1m	=	100m ²
				@ 14 =	100m ²
(14/10) Planting of tree by the road side in 0.6 m dia holes etc.					
		2 x 0.5 km	x 50	=	50 Nos.
				@ 14 =	50 Nos.
(15/20) P/v & erecting direction & place indication retro-reflectors etc.					
				@ 14 =	1 No.
(16/21) P/v & fixing of typical minor informative sign board with logo etc.					
				@ 14 =	1 No.
Maintenance board					
				@ 14 =	1 No.

Signature
4-02-21
JE

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>ABSTRACT OF COST</u>					
(1/1) P/v 2 Fixing of working benchmark pillar					
(a) Working benchmark pillar					
Qty (prev) vide TMB P-21					
Qty = 1 km					
@ ₹ 4371 = 02/km — ₹ 4371 = 00					
(b) Reference pillar					
Qty (P-21) vide TMB P-21					
Qty = 1 km					
@ ₹ 2013 = 99/km — ₹ 2018 = 00					
(2/2) clearing & grubbing Road Land etc.					
Qty (prev) vide TMB P-21					
Qty = 0.7 Ha					
@ ₹ 49739 = 47/Ha — ₹ 34018 =					
(3/3) Constr. of embankment with material obtained from borrow pit etc.					
(a) Lead 1000 m					
Qty vide TMB P-27					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		Qty = 711.15 m ³			
@ ₹ 187 = 51/m ³				₹	133348:
(b) 200m Lead					
Qty vide TMB P-27					
		Qty = 1021.68 m ³			
@ ₹ 142 = 62/m ³				₹	145712
(4/4) Constn. of Subgrade & earthen shoulder with etc					
Qty vide TMB P-28					
		Qty = 1582.97 m ³			
@ ₹ 189 = 39/m ³				₹	299799 = 0
(5/5+10) Constn. of Intermediate Sub-base by providing well graded material etc					
603.05 m ³ Qty (prev) vide TMB P-22					
1.42 m ³ Qty vide TMB P-20					
604.47 m ³ @ ₹					
Limit to 604.35					
@ ₹ 2616 = 86/m ³				₹	1581499 =
(6/6+11) P/v. Laying, spreading & Compacting of WBM-II					
205.21 m ³ Qty (prev) vide TMB P-23					
1.06 m ³ Qty vide TMB P-20					
206.27 m ³ @ ₹ 3187 = 17/m ³				₹	4571602
(7/7) P/v & applying Primer					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Coat with bitumen emulsion					
etc.					
Qty vide TMB P-29/30					
Qty = 1301.25 m ²					
@ ₹ 51 = 63/m ²					₹ 98276 = 00
(8/8) P/v & applying tack					
Coat with bitumen					
emulsion etc.					
Qty vide TMB P-30					
Qty = 1301.25 m ²					
@ ₹ 17 = 35/m ²					₹ 32087 = 00
(9/9) P/v, laying, rolling of close graded MSS					
etc.					
Qty vide TMB P-30					
Qty = 1301.25 m ²					
@ ₹ 223 = 23/m ²					₹ 435824 = 0
(10/12) Constr. of un-reinforced plain cement concrete pavement etc.					
Qty vide TMB P-28/29					
Qty = 305.61 m ³					
@ ₹ 7958 = 72/m ³					₹ 2432264 =
(11/13) Km stone:- Reinforced					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Comest Concrete M-15					
grade km Local Stone					
etc.					
(i) km Stone					
Qty vide TMB P-30					
Qty = 2 Nos					
@ ₹ 2514 = 54/Nos					₹ 5029 = 07
(ii) 200m Stone					
Qty vide TMB P-31					
Qty = 4 Nos					
@ ₹ 689 = 16/Nos					₹ 2757 = 00
(12/14) Boundary Pillar:-					
Reinforced Comest Concrete					
M-15 grade boundary					
Pillar etc.					
Qty vide TMB P-31					
Qty = 40 Nos					
@ ₹ 538 = 54/Nos					₹ 21542 = 00
(13/15) P/N & Fixing of Retro					
reflective Cautionary, mandatory					
& Informatory sign board					
etc.					
(i) 600mm Circular					
Qty vide TMB P-31					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	Qty = 4 Nos				
@ ₹ 5614 = 03/No					₹ 2245620
(ii) 900 mm equilateral triangle etc.					
Qty vide TMB P-31					
	Qty = 2 Nos				
@ ₹ 6413 = 55/No					₹ 1282700
(iii) 600 mm x 450 mm rectangular etc					
Qty vide TMB P-31					
	Qty = 2 Nos				
@ ₹ 5458 = 3/No					₹ 1091800
(14/16) P/v & laying of hot applied thermoplastic Compound 2.5 mm thick etc					
Qty vide TMB P-31					
	Qty = 100 m ²				
@ ₹ 850 = 35/m ²					₹ 8509300
(15/13) P/v & laying of hot applied thermoplastic Compound 2.5 mm thick etc					
Qty vide TMB P-32					
	Qty = 100 m ²				
@ ₹ 947 = 57/m ²					₹ 94757000

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(16/18) Planting of tree by the road side etc.					
Qty vide TMB P-32					
Qty = 50 Nos					
@ £ 817 = 41/Hos — £ 40870 =					
(17/20) P/v & erecting direction & place indication etc.					
Qty vide TMB P-32					
Qty = 1 No					
@ £ 3546 = 22/Ho. — £ 3546 = 00					
(18/21) P/v & Fixing of typical masonry. Informatory Sign board with logo etc.					
4 Nos Qty (Prev) vide TMB P-23					
1 No Qty vide TMB P-32					
5 No. Qty @ £ 11800 = 6/Ho — £ 59003 =					
Total = £ 6472105 =					
(i) Less 0.00% below as per agreement					
(ii) Less Previous Payment vide TMB P-23/24					
Net = 1025646 =					
Continued					