

गोपनीयता का
प्रमाण
(अप्राप्त)
प्रमाण
(अप्राप्त)

MMNSY NDB Series पृष्ठ-189

Measurement Book

Schedule XLV-Form No. 134

EXECUTIVE ENGINEER
PAVAGAD

DIVISION

JALHINDAR.

SUB-DIVISION

NAME OF A.E. → KADSHAKURD KUNDAR
NAME OF AGENCY → SHARDA CONSTRUCTION
NO. BND- 632

632

Read that this M.P. Contains
100 (One Hundred) Nos. of M.P. Sigs
Name of Officer KAUSHLENDRA KUMAR
PANDEY
Sub Division DULHINBAZAR

14/10/21
Executive Engineer
Rural Works Deptt.
Work Division Paliganj
15/11/21

Sch, XLV-Form No. 134
EXECUTIVE ENGINEER
PALIGANJ. DIVISION

DULHINBAZAR SUB-DIVISION

Measurement Book

No. 632

Name of Officer _____

Date of first entry _____

Date of last entry _____

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
4th on AIC Ps 11					
Name of work - Construction and five year maintenance of road from Dulhin Bazar Dikuli road to Sorampur Mathiya under ADB BRICS					
Name of contractor - Shrey Construction Co - Anupendra Kumar, Vill 1/80 - Anahang, P.S. - Bihra					
Agreement No - 03 SBD/MN/57/000					
				2020-21	
Date of commencement				24-09-2020	
Date of completion				23-09-2021	
Date of endy				02-08-2023	
Work done					
① clearing and grubbing road land by manual means					
do do					
7.70 x 30.00 x 3.50m				=	735.00m ²
1.40 x 26.00 x 3.50m				=	91.0
				Qty	826.00m ²
					or 0.0826 Hec
② Construction of subgrade and earthen shoulder with approved material obtained from borrow pits					
do do					
Lead up to					

Continuation

100m

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
CH - 360m to 606m					
8.40m x 30.0m x 5.0m x 0.30m					360.0m ³
1.40m x 6.0m x 5.0m x 0.30m					9.0
				dy	369.0m ³
3) Construction of granular sub					
base by providing well graded					
grading - 2 material					
CH - 394m to 458m BT					
2.15m x 30.0m x 4.05m x 0.20m					18.60m ³
1.45m x 4.0m x 4.05m x 0.20m					3.24
CH - 458m to 606m CE					
1.40m x 30.0m x $\frac{(3.60 + 4.0)}{2}$ x 0.10m					11.40
1.40m x 29.0m x $\frac{(4.0 + 3.65)}{2}$ x 0.10m					11.092
1.40m x 11.0m x $\frac{(5.0 + 5.20)}{2}$ x 0.10m					5.61
1.40m x 13.0m x 3.75 x 0.10m					4.875
1.40m x 13.0m x $\frac{(3.65 + 3.95)}{2}$ x 0.10m					4.55
1.40m x 18.0m x $\frac{(4.95 + 4.0)}{2}$ x 0.10m					4.475
1.40m x 16.0m x $\frac{(4.0 + 4.35)}{2}$ x 0.10m					6.68
1.40m x 26.0m x $\frac{(3.55 + 3.95 + 5.80)}{3}$ x 0.10m					11.526
				Total dy	112.048m ³
④ providing, laying, spreading					
and compacting with Gr - 12					
stone aggregate of specific					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
CH - 374m to 458m 137					
1403 x 28.0m x	(	3.75 + 4.50)			
		2		x 0.075 =	8.662m ³
144 x 22.0m x	(	3.20 + 4.5)			
		2		x 0.075 =	5.989
147 x 14.0m x	(	4.0 + 3.60)			
		2		x 0.075 =	3.99
CH - 458m to 606m 606m 606m					
1403 x 30.0m x	(	3.60 + 4.0)			
		2		x 0.075 =	8.53
140 x 29.0m x	(	4.0 + 3.65)			
		2		x 0.075 =	8.319
1403 x 11.0m x	(	5.0 + 5.20)			
		2		x 0.075 =	4.207
140 x 13.0m x		3.75		x 0.075 =	3.656
140 x 19.0m x	(	3.65 + 3.35)			
		2		x 0.075 =	3.412
140 x 10.0m x	(	4.95 + 4.0)			
		2		x 0.075 =	3.356
140 x 16.0m x	(	4.0 + 4.35)			
		2		x 0.075 =	5.01
140 x 26.0m x	(	3.55 + 3.95 + 5.80)			
		3		x 0.075 =	8.645
				Qty =	63.796m ³
5) Construction of cm-reinforced Plain					
Cement Concrete Pavement PCCMSO					
CH - 458m to 606m					
1403 x 30.0m x	(	3.60 + 4.0)			
		2		x 0.160 =	18.24m ³
1403 x 29.0m x	(	4.0 + 3.65)			
		2		x 0.160 =	17.748
140 x 11.0m x	(	5.0 + 5.20)			
		2		x 0.160 =	8.976
140 x 13.0m x		3.75		x 0.160 =	7.80
140 x 13.0m x	(	3.65 + 3.35)			
		2		x 0.160 =	7.28
140 x 10.0m x	(	4.95 + 4.0)			
		2		x 0.160 =	7.16
140 x 16.0m x	(	4.0 + 4.35)			
		2		x 0.160 =	10.688
140 x 26.0m x	(	3.55 + 3.13)			
		2		x 0.160 =	13.894
				Qty =	91.786m ³

Continuation

Sch. XLV-Form No. 134					Contents of area
Particulars	Details of actual measurement				
	No.	L.	B.	D.	
⑥ Providing and applying primer					
coat with bitumen emulsion (SS-1)					
— do —					
CH- 394m to 458m		458m			
1st x 28.0m x		$\frac{(3.75 + 4.50)}{2}$		2	115.50
1st x 22.0m x		$\frac{(3.26 + 4.0)}{2}$		2	79.86
1st x 14.0m x		$\frac{(4.0 + 3.60)}{2}$		2	53.20
					Qty = 248.56m ²
⑦ Providing and applying Pele					
coat with bitumen emulsion (RS-1)					
— do —					
1st x 28.0m x		$\frac{(3.75 + 4.50)}{2}$		=	115.50m ²
1st x 22.0m x		$\frac{(3.26 + 4.0)}{2}$		=	79.86
1st x 14.0m x		$\frac{(4.0 + 3.60)}{2}$		=	53.20
					Qty = 248.56m ²
⑧ Providing, laying and rolling of					
close graded premix surface					
wix seal surface type 2					
— do —					
CH- 394m to 458m		458m			
1st x 28.0m x		$\frac{(3.75 + 4.50)}{2}$		=	115.50m ²
1st x 22.0m x		$\frac{(3.26 + 4.0)}{2}$		=	79.86
1st x 14.0m x		$\frac{(4.0 + 3.60)}{2}$		=	53.20
					Qty = 248.56m ²

Continuation

for 22/08/2023
R.E.

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(9) P.V road marking with Red					
Applied Thermoplastic Compound					
on ST					
2 x 24m x 30m x 0.1m				2	12.00m ²
2 x 14m x 2m x 0.1m				2	0.80
				Qty	12.80m ²
(10) Boundary road marking with					
Red applied Thermoplastic Compound					
on ce pavement					
on 45m to 60m					
2 x 4m x 30m x 0.1m				2	24.00m ²
2 x 14m x 2m x 0.1m				2	0.80
				Qty	29.60m ²
(11) Construction of Subgrade and					
earthen shoulder with approved					
material					
on					
4m x 30m x 0.45m x 0.3m				2	16.20m ³
BT - 2m x 30m x 0.65m x 0.25m				2	10.75m ³
				Qty	26.925m ³
(12) Painting on concrete surface					
on					
Side 2m x 3m x 3.85m x 0.6m					13.86m ²
Top 3m x 2m x 3.95m x 0.4m					9.24
4m x					
Side 2m x 2m x 3.85m x 0.6m					13.86
Face 3m x 4m x 0.4m x 0.5m					2.40
				Qty	39.36m ²

Continuation

22/08/2024
GD

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
ABSTRACT OF COST					
① Setting out B.M. pillar —					
Qty side T.M.B.P. — (19)			0.3706m		
	①	11947.56/m			442100
② Cleaning & Grubbing —					
Qty side T.M.B.P. — (19) & (23)					
= (0.1294 m ² + 0.0822 m ²)					
= 0.2116 m ² @ 51161.75/m ² = 1082620					
③ Const ⁿ of embankment 1000 M lead					
Qty side T.M.B.P. — (19)			196.60m ³		
	①	176.84/m ³			3477100
④ Const ⁿ of embankment 1000 M lead					
Qty side T.M.B.P. — (19)			458.74 m ³		
	①	139.79/m ³			6412700
⑤ Const ⁿ of subgrade shoulder —					
Qty side T.M.B.P. — 19, (29) & (27)					
(123.95 m ³ + 369.00 m ³ + 26.925 m ³)					
= 519.877 m ³ @ 161.56/m ³ = 8399100					
⑥ Const ⁿ of G.S.B. Grd —					
Qty side T.M.B.P. — (19) & (24)					
= (319.14 m ³ + 112.048 m ³)					
= 431.188 m ³ @ 2746.52/m ³ = 11842660					
⑦ P.W. work Grd — 12 —					
Qty side T.M.B.P. — (19) & (25)					
= (110.175 m ³ + 63.796 m ³)					
= 173.971 m ³ @ 3438.51/m ³ = 5982010					

598198.00

Continuation of 1980667

Continuation of 19806630

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑧ P.V. plaster coat (ss+) ch					
dy side T.M.B.P. - (20) & (26)					
$= (1468.65m^2 + 248.56m^2)$					
$= 1717.21m^2 @ 42.571m^2$ — b					73102
⑨ P.V. T.O. coat (ss+) ch					
dy side T.M.B.P. - (20) & (26)					
$= (1468.65m^2 + 248.56m^2)$					
$= 1717.21m^2 @ 14.471m^2$ — p					24848
⑩ P.V. M.S. Type ch					
dy side T.M.B.P. - (20) & (26)					
$= (1468.65m^2 + 248.56m^2)$					
$= 1717.21m^2 @ 198.931m^2$ — b					341605
⑪ Cont. of P.C.M. Pavement ch					
dy side T.M.B.P. - (20) 91.786m ³					
@ 5968.58/m ³ — b					547832
⑫ P.V. Cam Stone ch					
dy side T.M.B.P. - (20) 02405					
@ 2102.78/each — p					4206
⑬ P.V. 200mm Stone ch					
dy side T.M.B.P. - (20) 01405					
@ 590.03/each — p					59020
⑭ P.V. M.S. 27 sign board ch					
dy side T.M.B.P. - (20) 02405					
@ 9170.27/each — p					183412
					29,51,127

Continuation

D 299112702

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(16) P/V 600mm equilateral triangle d					
style T.M.B.P. (24) 03.103					
@ 1332.57/feet					999800
(17) P/V 600mm circular d					
style T.M.B.P. (25) 02.110					
@ 4457.34/feet					891500
(18) P/V 600mm x 450mm rectangular d					
style T.M.B.P. (26) 02.110					
@ 4342.19/feet					868400
(19) P/V road marking in BT d					
style T.M.B.P. (27) L (27)					
@ 91.60m ²					673980
(20) P/V road marking in CE d					
style T.M.B.P. (28) 29.60m ²					
@ 766.57/m ²					226900
(21) @ 10 in excavation d					
style T.M.B.P. (29) 55.88m ³					
@ 294.73/m ³					164700
(22) P/V permission foundation					
style T.M.B.P. (30) 9.489m ³					
@ 4892.38/m ³					464240
(23) P/V permission in substructure d					
style T.M.B.P. (31) 42.65m ³					
@ 5323.13/m ³					2238480
					33,95,55400

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
24) P.V. area MB 6 cm - 12.78 m					
Side T.M.B.P. - (21)		22.50 m			285300
Q.D. 1268.07 m					285300
25) Painting two Coats					
Side T.M.B.P. - (27)		39.36 m ²			
Q.D. 97.191 m ³					382500
					34,27,90900
Add. 12% GST					4,11,34900
Add. 1% L. Cost					34,27900
Add. 5% fee side T.M.B.P. - (21) (+)					28,20100
Add. 5% fee side T.M.B.P. - (27) (+)					15,49300
					39172300
Less 0.01% below as per Pgs (24)					39200
Less previous bill Payment					39,16,83900
Payable					24,97,25300
					14,19,58600
22/08/23					
02/08/2023					
Statement (for this bill)					
(i) Earth - 395.925 m ³					
@ 23.78/m ³					941500
(2) Stone B.S. 5.3 m to 9.5 m - 67.23 m ³					
@ 516.12/m ³					3469900
(3) Stone B.S. 9.5 m to 2.36 m - 26.89 m ³					
@ 411.33/m ³					1106100
(4) Coarse sand - 81.65 m ³					
@ 150.80/m ³					1231300

Continuation

6748800

22/08/23
GE

Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
⑤ Stone Bgg. 5 mm to 22.4 mm				
- 77.19 m ³ @ 458.22/m ³				35370 =
⑥ Stone screeding		15.31 m ²		
@ 345.54/m ²				52902 =
⑦ Crushed stone Bgg. - 82.61 m ³				
@ 528.14/m ³				436302 =
⑧ Stone Bgg. 13.2 mm to 20.09 mm				
- 6.711 m ³ @ 470.04/m ³				3154 =
				154932 =
significance		157.87		
technical work				154932 =

(10)	Bitumen content (RET)	—	0.068MT
(11)	Bitumen loss	—	0.422MT
6/2/03/002 05			

Continuation