

MB No: 3481

Schedule XLV-Form No. 134

સરકારી ગામ સ્થાનક ગામજોડાની કચેરી
પાશવળી રોડ દરબારી - ત્રીજા નં
DIVISION

સંવત્સર — ૨૧૧૨ ક્રમ ૧૪૪૧

અધિકારી :- બોમલોડ **SUB-DIVISION**

MB No: 3481

Measurement Book

3481

1st & Final 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.	
N/W:- Construction of road from Dewoliya to Mishrawaliya Hote huge Kabri chowk teek under mmsy (sc) of block talalpur.					
N/Agency - Sri Dheeraj Kumar Mishra					
Ass. NO -					
Date of start - 09.09.2020					
Date of Completion - 08.09.2021					
Date of measurement - 26.11.2022					
<u>Items of work</u>					
(1) Pl & fixing of working Bench mark pillar = 0.800 Km					
(2) clearing & grubbing of road land.					
2x10x30.00m x 1.00m = 600.00m ²					
2x10x30.00m x 1.00m = 600.00m ²					
2x1x30.00m x 1.00m = 60.00m ²					
2x1x20.00m x 1.00m = 40.00m ²					
2x5x30.00m x 1.00m = 300.00m ²					
Total = 1600.00m ²					
= 0.160 Hect					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
③ Box cutting - Excavation					
for roadway in soil					
using manual men.					
For B.T. portion -					
2 x 10 x 30.0m x 0.525m x 0.10m = 31.50 m³					
2 x 10 x 30.0m x 0.525m x 0.10m = 31.50 m³					
2 x 1 x 30.0m x 0.525m x 0.10m = 3.15 m³					
2 x 1 x 20.0m x 0.525m x 0.10m = 2.10 m ³					
For P.C.C. portion					
2 x 5 x 30.0m x 0.375m x 0.10m = 11.25 m ³					
Total = 79.50 m ³					
④ Construction of embankment					
with approved material					

deposited from roadway cutting

$$\begin{aligned}
 \text{Net Qty} &= 60\% \text{ of excavated material} \\
 &= 60\% \text{ of } 79.50 \text{ m}^3 \\
 &= 47.70 \text{ m}^3
 \end{aligned}$$

⑤ construction of embankment with material obtained from borrow pits with a lead

upto 1000 m.

$$\begin{aligned}
 &2 \times 5 \times 30.0\text{m} \times 0.700\text{m} \times 0.30\text{m} = 63.00 \text{ m}^3 \\
 &2 \times 5 \times 30.0\text{m} \times 0.700\text{m} \times 0.30\text{m} = 63.00 \text{ m}^3 \\
 &2 \times 5 \times 30.0\text{m} \times 0.700\text{m} \times 0.30\text{m} = 63.00 \text{ m}^3 \\
 &2 \times 3 \times 30.0\text{m} \times 0.700\text{m} \times 0.30\text{m} = 37.80 \text{ m}^3
 \end{aligned}$$

$$\text{Total} = 226.80 \text{ m}^3$$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑥ Construction of granular					
Sub-base by providing					
Coarse graded material.					
In box cutting (For B.T. portion)					
2	10	30.00 m	0.55 m	0.10 m	$= 31.50 m^3$
2	10	30.00 m	0.55 m	0.10 m	$= 31.50 m^3$
2	1	30.00 m	0.55 m	0.10 m	$= 3.15 m^3$
2	1	20.00 m	0.55 m	0.10 m	$= 2.10 m^3$
In full width —					
1	10	30.00 m	4.050 m	0.10 m	$= 12.150 m^3$
1	10	30.00 m	4.050 m	0.10 m	$= 12.150 m^3$
1	1	30.00 m	4.050 m	0.10 m	$= 12.15 m^3$
1	1	20.00 m	4.050 m	0.10 m	$= 8.10 m^3$
For profile correction —					
$4 \times 3.50 m \times 2.70 m \times 0.10 m = 3.78 m^3$					
$6 \times 3.15 m \times 2.50 m \times 0.10 m = 4.725 m^3$					
Extra widening at H curve —					
$2 \times 6.00 m \times 0.580 m \times 0.10 m = 0.69 m^3$					
$4 \times 5.65 m \times 0.550 m \times 0.10 m = 1.24 m^3$					
$2 \times 5.80 m \times 0.60 m \times 0.10 m = 0.69 m^3$					
$2 \times 6.00 m \times 0.550 m \times 0.10 m = 0.66 m^3$					
For C.C. portion —					
In box cutting —					
$2 \times 5 \times 30.00 m \times 0.375 m \times 0.10 m = 11.25 m^3$					
Extra widening at H curve —					
$2 \times 5.50 m \times 0.60 m \times 0.10 m = 0.66 m^3$					
Total =					355.19 m ³
Qty. limit =					353.98 m ³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(7) P.V. Leasing, spreading & Compacting of WBM-3					
For B. T. Portion					
1x10x30.00m x 3.75m x 0.075m					$= 84.37 \text{ m}^3$
1x10x30.00m x 3.75m x 0.075m					$= 84.37 \text{ m}^3$
1x1x30.00m x 3.75m x 0.075m					$= 8.43 \text{ m}^3$
1x1x20.00m x 3.75m x 0.075m					$= 5.62 \text{ m}^3$
Extra widening at H-curve					
2x6.00m x 0.500m x 0.075m					$= 0.45 \text{ m}^3$
4x5.65m x 0.500m x 0.075m					$= 0.84 \text{ m}^3$
2x5.80m x 0.550m x 0.075m					$= 0.47 \text{ m}^3$
2x6.00m x 0.500m x 0.075m					$= 0.45 \text{ m}^3$
For C.C. Portion					

5x30.00m x 3.75m x 0.075m	$= 42.18 \text{ m}^3$
Extra width at H-curve	
2x5.50m x 0.550m x 0.075m	$= 0.45 \text{ m}^3$
Total	$= 227.63 \text{ m}^3$
Qty limit	$= 227.25 \text{ m}^3$

(8) P.V. & applying Primer Coat with bitumen emulsion SS-1	
10x30.00m x 3.75m	$= 1125.00 \text{ m}^2$
10x30.00m x 3.75m	$= 1125.00 \text{ m}^2$
1x30.00m x 3.75m	$= 112.50 \text{ m}^2$
1x20.00m x 3.75m	$= 75.00 \text{ m}^2$
Extra width at H-curve	
2x6.00m x 0.500m	$= 6.00 \text{ m}^2$
Qty 40	$= 2443.50 \text{ m}^2$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				Qty P/F =	2443.50 m ²
		4 x 5.65 m	0.530 m	=	12.43 m ²
		2 x 5.80 m	0.530 m	=	6.38 m ²
		2 x 6.50 m	0.520 m	=	6.50 m ²
				Total =	2468.81 m ²
				Qty limit =	2461.88 m ²
(9) P/V & applying tack coat with bitumen emulsion PS-1				Net Qty = Area of Primer Coat	
				=	2461.88 m ²
(10) P/V, levelling & rolling of close graded loose surface material				Net Area = Area of tack coat	
				=	2461.88 m ²
(11) Construction of Un-reinforced plain curb concrete					
as per technical specification					
5 x 30.00 m x 3.75 m x 0.160 m				=	90.90 m ³
extra width at H-cure					
2 x 5.50 m x 0.550 m x 0.160 m				=	0.96 m ³
				Total =	90.96 m ³
				Qty limit =	90.90 m ³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(12) Construction of sub-grade & earthen shoulder					
For B.T. Partin					
Sides of G.S.B.					
2 x 10 x 30.0m x 0.975m x 0.10m = 58.50m ³					
2 x 10 x 30.0m x 0.975m x 0.10m = 58.50m ³					
2 x 1 x 30.0m x 0.975m x 0.10m = 5.85m ³					
2 x 1 x 20.0m x 0.975m x 0.10m = 3.90m ³					
Sides of WBM-3					
2 x 10 x 30.0m x 1.125m x 0.075m = 50.62m ³					
2 x 10 x 30.0m x 1.125m x 0.075m = 50.62m ³					
2 x 1 x 30.0m x 1.125m x 0.075m = 5.06m ³					
2 x 1 x 20.0m x 1.125m x 0.075m = 3.37m ³					
Total = 236.42m ³					
(13) Construction of sub-grade & earthen shoulder					
For P.C.C. Partin					
Sides of WBM-3					
2 x 5 x 30.0m x 0.625m x 0.075m = 14.06m ³					
Sides of P.C.C.					
2 x 5 x 30.0m x 0.625m x 0.160m = 30.00m ³					
Total = 44.06m ³					
(14) planting of trees by the road side.					
2 x 33 Nos = 66 Nos					
(15) Plv & driving of R.C.C MIS grade boundary pillars 05 Nos					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(16) Plv & fixing of R.C.C					
MIS scale kilometre					
String = 01 NO					
(17) Plv & fixing of R.C.C					
MIS scale 200m string = 04 NO					
(18) Plv & fixing of retro- - reflectorised traffic					
Sign board - 600 mm					
equilateral & triangle = 02 NO					
(19) 600 mm circle = 01 NO					
(20) 600 mm x 450 mm rectangle					
= 01 NO					
(21) Plv & erecting direction & place identification retro-reflector's Sign board = 03 NO					
(22) Plv & Laying of hot applied thermoplastic Compound -					
$2 \times 10 \times 30.00 \text{ m} \times 0.10 \text{ m} = 60.00 \text{ m}^2$					
$2 \times 10 \times 30.00 \text{ m} \times 0.10 \text{ m} = 60.00 \text{ m}^2$					
$2 \times 1 \times 30.00 \text{ m} \times 0.10 \text{ m} = 6.00 \text{ m}^2$					
$2 \times 1 \times 20.00 \text{ m} \times 0.10 \text{ m} = 4.00 \text{ m}^2$					
$2 \times 5 \times 30.00 \text{ m} \times 0.10 \text{ m} = 30.00 \text{ m}^2$					
Total = 160.00 m ²					

--	--	--	--	--	--

$\frac{1}{1.}$	plv & fixing of working bench mark pillars.
----------------	---

② B 5941 = 681 km - B 4,753 = 0

0.160	Heel	side	TM 2-1
-------	------	------	--------

$\frac{3}{3}$	Box Culling - Excavation for roadways in soil using manual means.
---------------	---

(w) $\beta_{126} = 24 / m^3 - \beta_{101036} = \infty$

Continuation 40B 22,97020

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B/F, B	20,196,969 = 60
$\frac{8}{10}$	Plv 8	applying Primr			
		Coat with bitumen			
		emulsion SS-1			
	2461.88 m ²	vide TMDP-5			
		(Q) B 45 = 33/m ² - B			1,11,597.20
$\frac{9}{11}$	Plv 8	applying tack			
		Coat with bitumen			
		emulsion SS-1			
	2461.88 m ²	vide TMDP-5			
		(Q) B 15 = 59/m ² - B			38,381.20
$\frac{10}{12}$	Plv	Laying stalling			

		of close-graded			
		Precis's surfacing material			
	2461.88 m ²	vide TMDP-5			
		(Q) B 242 = 40/m ² - B			5,96,760.20
$\frac{11}{13}$	Construction of one				
	reinforced plain concrete				
	concrete parapet				
	as per technical				
	specification				
	90.90 m ²	vide TMDP-5			
		(Q) B 7562 = 16/m ² - B			6,87,400.20
		Clo, B			35,31,107.20

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			11 F, 13		35,31,107 = 0
$\frac{12}{6}$	Construction of sub-				
	- grade & earthen				
	Shoulder (B.T. party)				
	236.42 m ³	vide TMBP-6			
	(W) 210 = 881 m ³		13		49,8562 = 0
$\frac{13}{7}$	Construction of sub-				
	- grade & earthen				
	Shoulder (P.C. party)				
	44.06 m ³	vide TMBP-6			
	(W) 210 = 881 m ³		13		9,2912 = 0
$\frac{14}{5}$	planting of trees by				
	the road side				
	66 NO,	vide TMBP-6			
	(W) 822 = 26/110 = 13				54,269 = 0
$\frac{15}{16}$	Plr & fixing of R.C.C				
	mis grade boundary				
	pillar				
	05 NO,	vide TMBP-6			
	(W) 505 = 20/110 = 13				2525 = 0
$\frac{16}{17}$	Plr & fixing of R.C.C				
	mis grade boundary				
	stones				
	01 NO,	vide TMBP-7			
	(W) 2202 = 27/110 = 13				2202 = 0
	410, 36,49,130 = 0				

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				31F, B	36,49,280 = ω
$\frac{17}{18}$					
				Plv & fixing of	
				Rice measure	
				200 m stone	
				04 Nos. vide TMBP-7	
				① B 64 = 03 / No-B	248420
$\frac{18}{19}$					
				Plv & fixing of reflector.	
				- reflectorised traffic	
				Sign board - 600	
				mm equilateral &	
				triangle -	
				02 Nos. vide TMBP-7	
				① B 3582 = 12 / No-B	716420
$\frac{19}{20}$					
				600 mm circles	
				01 No. vide TMBP-7	
				① B 4740 = 23 / No-B	474020
$\frac{20}{21}$					
				600 mm x 450 mm rectangle	
				01 No. vide TMBP-7	
				① B 4643 = 22 / No-B	464420
$\frac{21}{22}$					
				Plv & erecting of	
				direction & Name	
				identifying sign	
				board	
				03 Nos. vide TMBP-7	
				① B 10,403 = 05 / No-B	31,20920
				C/O, B	36,99,491 = ω

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				R/F B	36,99,491 ²⁶
22 23					
				Plv & Lany of	
				hot applied thermo.	
				- plastic compound -	
				160.00 m ² vide map-7	
				① B 7352.44/m ² - B	1,17,670 ²⁶
23 24					
				Plv & Lany of typical	
				mmbsy infantry	
				Sign board with logo	
				03 Nos vide map-8	
				② D 9345=11/MO-B	28,035 ²⁶
				TOTAL=B	38,45,196 ²
				Less 6.30% (below) - B	2,42,247 ²⁶
				B	36,02,949 ²⁶
				Addig 12% (CST) + B	4,32,354 ²⁶
				Addig 1% (L.C.M) + B	36,029 ²⁶
				Addig S. Fee + B	39,086 ²⁶
				Net payable Amount = B	41,10,418 ²⁶
				(Rupees Forty one lakhs	
				ten thousand, four hundred	
				& eighteen) only,	
				26/11/22	
				(J.E)	
				29/11/22	