

Fig. No. — 06 (MBD)/2020-21
Agency: S.K.C.C.P.L.

श्री १५७५१५
१०/१२/२०२०

Dhankaul Kabristan Ke Bagel Be
Belkauri Tola (Dhankaul)

MMCSY WORLD BANK

Schedule XLV-Form No. 134

Sheikhpura DIVISION

Aiyari SUB-DIVISION

M.B.No. — 1348

Measurement Book

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.	
Name of Work — Construction of					
road & CD work from Dhankaul					
Kabristan ke Bagal se Beldaraya					
Tola (Dhankaul)					✓
Under MMGSY (WB)					✓
Tender Group — MMGSY WB-19-Sherkhat					
Agency — Satyendra Kumar & Co.					
Construction Pvt. Ltd.					✓
At & 7, Tara Tower					
Behind Republic Hotel,					
Exhibition Road, Patna					✓
Agreement No — 06 (MBD)/2020-21					✓
Agreement Value —					
Const ⁿ Cost = Rs					10385983.00
Maint Cost = Rs					10242268.00
Total = Rs					11457533.00
Date of Commencement =					12.09.2020
Date of Completion =					11.09.2021
Date of Measurement =					20.09.2020 to
					17.03.2021
Date of Entry — 18.3.2021					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of Work - Constn of Road & CD					
work from Dhankaul Kabsistan					
ke Bagal se Beldariya Tola					
(Dhankaul)					
Under Head MMGSY (WB)					
Tender group - MMGSY-WB-19 Sheikh Bana					
Agency - Satyendra Kumar & Co. Construction					
Pvt. Lt.					
At - G-7 Tara Tower					
Behind - Republic Hotel					
Exhibition Road - Patna					
Agreement No - 06(MBO)/2020-21					
Agreement Value -					
Constn Cost = Rs. 10365983 = 10					
Maint. Cost = Rs. 1627317 = 10					
Total Cost = Rs. 11993300 = 10					
Date of Commencement = 12.09.2020					
Date of Completion = 11.09.2021					
Date of Measurement: 10.10.2021					
to 5.5.2022					
Date of Entry: 5.5.2022					
(V/6) Box Cutting excavation of Road					
$2 \times 5 \times 30 \times 0.375 \times 0.10 = 11.25 m^3$					
(2/7) Constn of embankment					
$10 \times 1.35 \times 5 \times 0.10 = 6.75 m^3$					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(3/10) Const ⁿ of Subgrade & earthen					
Shoulder					
	2x	7x30	x0.625	x0.10	= 26.25m ³
	2x	7x30	x0.625	x0.075	= 19.69m ³
	2x	7x30	x0.625	x0.160	= 42.4m ³
	1x	11x30	x7.70	x0.30	= 762.30m ³
	2x	25x30	x1.325	x0.20	= 397.50m ³
	2x	20x30	x1.325	x0.20	= 318.40m ³
	2x	4x30	x1.325	x0.20	= 63.60m ³
	2x	25x30	x1.05	x0.075	= 118.13m ³
	2x	20x30	x1.05	x0.075	= 94.50m ³
	2x	4x30	x1.05	x0.075	= 18.90m ³

$$= 1860.87m^3$$

(F/11) Constⁿ of GSB with grading

CC Portion:

	2x	30x	3.75	x0.10	= 22.50m ³
	2x	5x30	x0.375	x0.10	= 11.25m ³
	2x	7x30	x0.60	x0.075	= 18.90m ³
extra widening	1x	5x	0.1		= 5.50m ³
earthen Port	4x	30x	1.05	x0.20	= 97.20m ³
Widening	3x	20x	0.442		= 26.57m ³
					181.92m ³

(5/12) A/L/S/C WBM grading-3

BT Portion	25x	30x	3.75	x0.075	= 210.94m ³
	20x	30x	3.75	x0.075	= 168.75m ³
	4x	30x	3.75	x0.075	= 33.75m ³

exten' 4x30x0.075x0.8 = 9.00m³

$$C.O. = 422.44m^3$$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
C.C. Paving		B.P.			= 422.44 m ²
	7	30	3.75	0.075	59.06 m ³
Extra	5	3.15	1	0.075	1.18 m ³
					482.68 m ³
(6/16) Consist of Paved concrete M30 PC.					
	7	30	3.75	0.10	78.75 m ³
Widen	2	5	1.58	0.10	1.58 m ³
					80.33 m ³
4 am 8.4.2022 JE 1.58 10.4.22 AE					

(7/13) P/A Primer Coat with					
Bitumin Emulsion SS-1					
	25	30	3.75		2812.50 m ²
	15	30	3.75		1687.50 m ²
	1	30	3.75		112.50 m ²
	1	20	3.75		75.00 m ²
					4687.50 m ²
Extra widening	2	10	6.15		123.00 m
					4810.50 m ²

(8/14) P/A Tack with Bitumin Emulsion SS-1					
Qty Same as Primer Coat					
					= 4810.50 m ²

(9/15) MSS P/L/R 20mm thick					
Qty Same as Tack Coat					

Continuation

4810.50 m²

4 am

2.5.2022

JE

~~1.58~~

3.5.22

AE

ABSTRACT OF COST

23

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1/1) Working Bench Mark Pillar item 1/1 VTMB					
P/15 - 2 nos @ Rs. 3891.00/each					
					= Rs. 7782.00
(2/2) Reference Pillars item 2/2 VTMB					
P/15 - 7 nos @ Rs. 1760.00/each					
					= Rs. 12320.00
(3/3) Clearing and Grubbing roadlands item 3/3 VTMB					
P/15 - 111 hect @ Rs. 511.00/ha					
					= Rs. 56721.00
(4/4) Dismantalling item 4/4 VTMB					
P/15 - 76.74 m ³ @ Rs. 222.00/m ³					
					= Rs. 17036.00
(5/5) Dismantalling of structure item 5/5 VTMB					
P/15 - 3.63 m ³ @ Rs. 501.00/m ³					
					= Rs. 1819.00
(6/6) Box Cutting item 6/6 VTMB					
P/20 - 11.25 m ³ @ Rs. 75.00/m ³					
					= Rs. 844.00
(7/7) Const ⁿ of embankment item 7/7 VTMB					
P/20 - 6.75 m ³ @ Rs. 65.00/m ³					
					= Rs. 439.00
(8/8) Const ⁿ of embankment with loose mde item 8/8 VTMB					
P/15 - 433.78 m ³ @ Rs. 164.00/m ³					

Continuation = Rs. 71140.00

C.O. Rs. 168101.00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	B.P.				= Rs. 16810/-
(9/9) Const ⁿ of embankment with 100 m lead item 7/9 VTM B					
P/15 - 1062.02 m ³ @ Rs. 161.00 / m ³					
					= Rs. 170985/-
(10/10) Subgrade & earthen shoulder item 8/10 VTM B P/16 = 3118.50 m ³					
item 3/10 VTM B P/21 = 1860.87 m ³					
					4979.37 m ³
					@ Rs. 165.00 / m ³ = Rs. 821596.00
(11/11) GSB gr. I item					
item 9/11 VTM B P/16 = 1120.87 m ³					
item 4/11 VTM B P/21 = 181.92 m ³					
					1301.99 m ³
					@ Rs. 1540.00 / m ³ = Rs. 2005065.00
(12/12) LBM gr. II item 5/12 VTM B					
P/21 - 482.68 m ³ @ Rs. 1250.00 / m ³					
					= Rs. 603350.00
(13/13) Prime Coat SS-1 item 7/13 VTM B					
P/22 - 4810.50 m ² @ Rs. 43.40 / m ²					
					= Rs. 208776.00
(14/14) Tack Coat RS-1 item 8/14 VTM B					
P/22 - 4810.50 m ² @ Rs. 14.90 / m ²					
					= Rs. 71676.00
(15/15) MSS item 9/15 VTM B					
P/22 - 4810.50 m ² @ Rs. 190.00 / m ²					

Continuation

= Rs. 913995.00

C.O. Rs. 4963547.00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	B.P.	Rs	4963547.00		
(16/16) Panned concrete M30					
item 6/16 VTMB					
P/22 - 80.33 m ³ @ Rs. 6550.00/m ³					
= Rs. 526162.00					
(17/27) Cable duct item 10/27 VTMB					
P/16 - 52.50 m @ Rs. 590.00/m					
= Rs. 30975.00					
(18/32) Logo of MM 45X (0.03) item 11/32 VTMB					
P/16 - 01 no @ Rs. 6800.00/each					
= Rs. 6800.00					
(19/33) Ceiling information Board item 12/33 VTMB					
P/16 - 1 no. @ Rs. 9200.00/each					
= Rs. 9200.00					
(20/35) E/W in excavation item 13/35 VTMB					
P/16 - 108.108 m ³ @ Rs. 219.00/m ³					
= Rs. 23676.00					
(21/36) PCC M15 (1:2:5) item 14/36 VTMB					
P/16 - 17.192 m ³ @ Rs. 5400.00/m ³					
= Rs. 92837.00					
(22/37) Plain/RCC item 15/37 VTMB					
P/17 - 99.952 m ³ @ Rs. 5800.00/m ³					
= Rs. 579722.00					
(23/38) RLCNP.3 HP of 600 mm dia					
item 16/38 VTMB					
P/17 - 37.50 m @ Rs. 1180.00/m					

Continuation

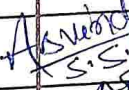
= Rs. 43500.00

C.O. Rs. 627649.00

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Content of area
	No.	L.	B.	D.	
B.F.					Rs. 6276419 = w
(24/39) R.C.M.P. 3 HP of 1050 m dia / item 17/39 V.T.M.B.					
P/17 - 7.50 m @ Rs. 4200. w/m					
					= Rs. 31500 = w
(25/40) 1.5 mm Cement Rendering item 18/40 V.T.M.B.					
P/17 - 59.82 m ² @ Rs. 4500/m ²					
					= Rs. 2692. w
					Rs. 6310611 = w
Add @ 1% L.C.					Rs. 6310611 = w
Add @ 12% GST					Rs. 757273 = w
Add @ 10% S.F. Value P/17 (+)					69275 = w
& B/W : 1878.87 m ³ @ Rs. 238 = Rs. 4472. w					
G.S.B. : 181.92 m ³ @ Rs. 49.04 = Rs. 8921 = w					
W.B.M. g.o. 17 : 782.68 m ³ @ Rs. 63.74 = Rs. 30766. w					
Pannel : 80.33 m ² @ Rs. 57.11 = Rs. 4588. w					
M.S.S. : 4810.50 m ² @ Rs. 1.74 = Rs. 8370 = w					
					Total S.R. = 126392 = w
					Rs. 7257382 = w
Less @ 4.99% below (L) as per agreement					Rs. 362143 = w
					Rs. 6895239 = w
Less previous payment (L) vide Vr. No. 05 dt. 15-4-21					Rs. 3714134 = w
					Rs. 3181105 = w
(Signature) 5.5.22 S.S. JE					Continuation

Sch. XLV-Form No. 134

Sch. XLV-Form No. _____					Contents of area
Particulars	Details of actual measurement				
	No.	L.	B.	D.	
<u>Material Statement</u>					
E/W =				1878.87 m ³	
Stone Aggregate:				746.55 m ³	
Stone chips				= 194.98 m ³	
Sand				= 105.89 m ³	
Stone Screening				= 115.84 m ³	
Emulsion SS				= 4.07 MT	
Emulsion RS-1				= 1.32 MT	
Bitumen S-90				= 8.46 MT	
 2022 S.S. JE					
 2022 S.S. JE					

Bitumen & Emulsion			
Invoice No	Date	Qty	Remarks
BH/DAANPST/1603/2P	3/8.2022	228 drum (35.46 MT)	S-90
		17.16 MT	SS-1
		5.56 MT	RS-1
 2022 S.S. JE			
 2022 S.S. JE			
 2022 S.S. JE			
Continuation			

Continuation