

48/7

Name/Round - "Tara tola End Point to Mushak tola"

Agreement No - 6SRD/mmbsy, NDB/2023-024

Schedule XLV-Form No. 134

201e1-2

DIVISION

201e1

SUB-DIVISION

MEASUREMENT BOOK

M.B. No - 487

Sharma Construction

3rd and Final bill

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name/Work - const. of Road from and CD from "Tar Tola End point to Mushar Tola" (MMHSY, NDB)					
Agency - Sharma construction					
AT Ward No - 24, Masfer Tola					
Begha - 1 (West Champaran)					
Agreement No - 06 SBD (MMHSY, NDB)					
					/2023-24)
Date/commence - 09-08-2023					
Date/Completion - 08-08-2024					
Approved Rate - 0.09 % below					
1/(08) - construction of Earthen shoulder with approved					
materials with Lead					
up to 100 m. - do -					
Record Entry					
measurement upto date (only shoulder)					
Earthen shoulder (in RT portion)					
(i) (Side of G.S.B.)					
$2 \times (43 \times 30m) \times 1.325m(av)$					
$\times 0.200$					$= 683.70 m^2$
(ii) (Side of WBM and M.S.S)					
$2 \times (43 \times 30m) \times 1.20 \times 0.075 = 232.20$					
Earthen shoulder (in Rigid Pavement)					
(i) Side of L.S.B					
$2 \times (22 \times 30m) \times 1.195(av)$					
$\times 0.100$					$= 157.74 m^2$
$2 \times 25m \times 1.195 \times 0.10 = 5.975$					m^2
(ii) Side of (WBM & P.C.C)					
$2 \times (22 \times 30m) \times 1.020 \times 0.235 = 316.40$					
Continuation					
$2 \times 25m \times 1.020 \times 0.235 = 11.98$					
$T = 1407.99 m^2$					

Continuation

Abstract of cost

62 (for 3rd & final)

Sch. XLV-Form No: 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name/Work - Const. of Road and CD from "Tar Tola End Point to Mushak Tola" (Mushy, NDB)					
Agency - Sharma construction					
AT. Ward No - 24, Master Tola					
Barhwa - I (West Champaran)					
Agreement No - 06 SBD/Mushy, NDB/					
2023-024					
Date/commence - 09-08-2023					
Date/Completion - 08-08-2024					
Approved Rate - 0.09 % below					
1/(01) - Setting out of					
(i) construction of working					
3.17 nos/km					
8ty wide P(45)/TMB = 2.50 km					
@ Rs 5383.90/km = Rs 13460 =					
2/(02). (ii) - Const. of Reff. of					
pillar — do —					
8ty wide P(45)/TMB = 2.50 km					
@ Rs 2511.31 /km = Rs 6278 =					
3/(03) - clearing and grubbing					
Road Land — do — do —					
8ty wide P(45) /TMB = 0.76 ha					
@ Rs 72697.86 /ha = Rs 55250 =					
4/(04) - Excavation of Road					
Way in soil using — do —					
8ty wide P(46) /TMB = 222.72					
@ Rs 179.66 /m ³ = Rs 40014 =					
Continuation = Rs 115002 =					

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
B. f. Amount					= Rs 115002 =
5/(05) - const. of Embank. Lead					
for right way cutting up to 100 m. — do —					
Qty side P(46)/TMB = 155.90 m ²					
@ Rs 68.85/m ²					= Rs 10734 =
6/(06) - const. of Embank. Lead					
up to 100 m. — do —					
Qty side P(46)/TMB = 2830.14 m ²					
@ Rs 259.00/m ²					= Rs 732970 =
7/(07) - const. of Embank. Lead					
up to 100 m. — do —					
Qty side P(46)/TMB = 707.60 m ²					
@ Rs 183.61/m ²					= Rs 129,922 =
8/(08) - Loosening of the ground					
up to a level of 300 m					
Below — do — do — all 1/50.					
Qty side P(46)/TMB = 1681.14 m ²					
Qty side P(61)/TMB = 361.26 m ²					
Net Qty = 2042.40 m ²					= 2042.40 m ²
@ Rs 262.54/m ²					= Rs 5,36,212 =
9/(09) - G.S. B.					
const. of G.S. B. by pro-					
-viding well graded mat					
do — do —					
Qty side P(47)/TMB = 925.60 m ²					
@ Rs 4179.22/m ²					= Rs 38,68,286 =
10/(10) - LDM Gr-3 - P/V, Laying					
Spreading & comp. — do —					
Qty side P(47)/TMB = 594.61 m ²					
@ Rs 5530.44/m ²					= Rs 32,88,455 =
Continuation					= Rs 86,81,581 =

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
a. f- Amount					= Rs 86,81,581 =
11/(11) - Prime coat - P/V and					
Applying prime coat					
with bitumen emulsion (SS-1)					
do do					
Qty vide P(47)/TMB = 4912.39 m ²					
@ Rs 60.47/m ²					= Rs 2,97,052 =
12/(12) - Tack coat - providing					
and Applying tack coat					
using bitumen emulsion (RS-1)					
do do					
Qty vide P(48)/TMB = 4912.39 m ²					
@ Rs 20.75/m ²					= Rs 1,01,932 =
13/(13) - Mix seal Surfacing					
pro. Laying and Rolling					
of close graded P/P mix					
Surfacing mat. of 20mm th.					
do do					
Qty vide P(48)/TMB = 4912.39 m ²					
@ Rs 302.65/m ²					= Rs 14,86,735 =
14/(14) - C.C. pavement.					
Const. of plain cement					
conc. pavement - do -					
Qty vide P(48)/TMB = 755.39 m ²					
@ Rs 9792.85/m ²					= Rs 73,98,176 =
15/(15) - Laying brick Soling					
Layer on prepared - do -					
Qty vide P(48)/TMB = 1241.00 m ²					
@ Rs 466.36/m ²					= Rs 5,78,753 =
Continuation					= Rs 1,85,44,229 =

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
B-f. Amount					= Rs 18544229 =
16/(16) - Earth work in excavation for found ⁿ of structures					
do do					
Qty vide P(49)/TMB = 246.61					
@ Rs 410.66/m ³				m ³	= Rs 101271 =
17/(17) - Plain conc. for plain conc. (M-10) in open found ⁿ					
do do					
do do					
Qty vide P(49)/TMB = 15.80 m ³					
@ Rs 8923.41/m ³					= Rs 140990 =
18/(18) - providing concrete for plain concrete (M-15) grade in open					
do do					
do do					
Qty vide P(49)/TMB = 66.54					
@ Rs 8497.82/m ³				m ³	= Rs 565445 =
19/(19) - plain cement conc. (M-15) in sub struct.					
do do					
do do					
Qty vide P(49)/TMB = 40.35					
@ Rs 8786.59/m ³				m ³	= Rs 354521 =
20/(20) - Supplying fitting & Placing HYSD bar					
do do					
do do					
Qty vide P(49)/TMB = 0.818					
@ Rs 88376.62/MT				MT	= Rs 72292 =
					/
					= Rs 19778748 =

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
B. f. Amount					= Rs 19778.748 =
21/(21) - Brick masonry work					
in C.M (1:3) in plaster					
— do — do — all C/s					
Qty vide P(50)/TMB = 2.88 m ³					
@ Rs 7212.12/m ³					= Rs 20771 =
22/(22) - plastering with C.M					
(1:4) — do — do —					
Qty vide P(50)/TMB = 20.16 m ²					
@ Rs 257.02/m ²					= Rs 5182 =
23/(23) - painting two coats					
on new concrete surface					
— do — do — all C/s					
Qty vide P(50)/TMB = 20.16 m ²					
@ Rs 127.28/m ²					= Rs 2566 =
24/(24) - Back filling behind					
Abutment, wing wall etc					
— do — do — all C/s					
Qty vide P(50)/TMB = 37.014 m ³					
@ Rs 954.85/m ³					= Rs 35343 =
25/(25) - providing weep holes					
in stone masonry					
— do — do — all C/s					
Qty vide P(50)/TMB = 64 nos					
@ Rs 147.96/each					= Rs 9469 =
26/(26) - R.C.C. Grade (M25) in					
sub struct. — do — do —					
Qty vide P(50)/TMB = 19.98 m ³					
@ Rs 10017.12/m ³					= Rs 2,00,142 =
Continuation					= Rs 2,00,52,221 =

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

B. f. Amount ————— = Rs 2,00,52,221 =

27/(27) supplying fitting &

fixing placing M.S.D

bar — do — do —

Qty vide P(51)/TMB = 2.358 MT

@ Rs 80897.73/MT = Rs 190757 =

28/(28) - providing and laying

filter media — do — do —

Qty vide P(51)/TMB = 39.967 m³

@ Rs 4641.420/m³ = Rs 1,85,504 =

29/(29) - Drainage Spout work.

— do — do — all c/job.

Qty vide P(51)/TMB = 6 MS

@ Rs 817.20/cell = Rs 4,903 =

30/(30) - R.C.C. (M-25) grade
in Sump structure

— do — do — all c/job.

Qty vide P(51)/TMB = 8.188 m³

@ Rs 10,843.91/m³ = Rs 88,790 =

31/(31) - Const. of R.C.C. Railing

of (M-25) grade — do —

— do — all c/job

Qty vide P(51)/TMB = 10 M.

@ Rs 6647.67/m = Rs 66,477 =

32/(32) - Bedding for T-13

PCC (M-20) bedding laying

1st class bedding — do —

Qty vide P(52)/TMB = 4.20 m³

@ Rs 574.770/m³ = Rs 2414 =

Continuation = Rs 2,05,91,066 =

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
B. f. Amount					= Rs 20591.066 =
33/(33) - Dismantling of street.					
of P.C.C. of R/Wall					do
do					all c/s
Qty vide P(52)/TMB					= 0.34 m ³
@ Rs 658.99/m ³					= Rs 224 =
34/(34) - Dismantling of R.C.C.					
Existing R/W c/s					do
do					all c/s
Qty vide P(52)/TMB					= 0.76 m ³
@ Rs 1649.22/m ³					= Rs 1253 =
35/(35) - Dismantling of					
Rubble Stone masonry					
do					all c/s
Qty vide P(52)/TMB					= 24.75 m ³
@ Rs 467.35/m ³					= Rs 11567 =
36/(36) - P.W. & Laying R.C.C.					
Pipe 11P ₄ for culvert					
300 mm dia on 1st class bedding					do
Qty vide P(52)/TMB					= 60.6 m
@ Rs 876.030/m					= Rs 52,562 =
37/(37) - Kilometer stone R.C.C.					
(M-15) grade					do
Qty vide P(53)/TMB					= 3 Nos
@ Rs 3364.49/each					= Rs 10,093 =
38/(38) - 200 mm stone R.C.C. (M-15)					
grade					do
Qty vide P(53)/TMB					= 10 Nos
@ Rs 915.36/each					= Rs 9154 =
Continuation					= Rs 2,06,75,919 =

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
B. f. Amount					= Rs 2,06,75,919 =
39/(39) - Boundary pillar					
R.C.C. (m-15) made - do -					
8ty wide P(53)/TMB = 38 Nos					
@ Rs 718.35/each					= Rs 27,297 =
40/(40) - P/V. and fixing of					
mmmsy typical inter-					
-matchy sign board with					
'Logo' - do - do					
8ty wide P(53)/TMB = 2 Nos					
@ Rs 15,001.07/each					= Rs 30,002 =
41/(41) - P/V. and fixing of					
Maintenance board.					
8ty wide P(53)/TMB = 1 No					
@ Rs 15,001.07/each					= Rs 15,001 =
42/(42) - mmmsy 'Logo' board					
8ty wide P(54)/TMB = 1 No					
@ Rs 15001.07/each					= Rs 15001 =
43/(43) - P/V. and fixing of					
Retro-Ref. Cautionary					
600mm equilateral triangle					
Sign board - do - do -					
8ty wide P(53)/TMB = 4 Nos.					
@ Rs 4465.25/each					= Rs 17,861 =
44/(44) - providing & fixing					
of Retro Ref. Cautionary					
900mm side octagonal					
Sign board - do - do -					
8ty wide P(54)/TMB = 2 Nos					
@ Rs 9603.26/each					= Rs 19,207 =
Continuation					= Rs 2,08,00,288 =

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
B. f. Amount				= RS	2,08,00,288 =
45/(45) - P.V. and fixing of					
Retro-Ref. Cautionary					
mandatory and informative					
Speed Limit 600mm ϕ					
Circular Sign — do —					
Qty wide P(54)/TMB = 6 Nos					
@ Rs 5647.76 / each				= Rs	33887 =
46/(46) - P.V. and fixing of					
Retro-Ref. 600mm X					
450mm Rectangular					
Sign — do — do —					
Qty wide P(55)/TMB = 2 Nos					
@ Rs 5605.39 / each				= Rs	11,201 =
47/(47) - P.V. and Laying of					
hot Applied thermo-					
plastic compound — do —					
Qty wide P(55)/TMB = 259.40					
@ Rs 781.51 / m ²				= Rs	2,02,724 =
48/(48) - P.V. and Laying of					
hot Applied Thermo -					
Plastic Compound — do —					
Qty wide P(55)/TMB = 248.20					
@ Rs 879.87 / m ²				= Rs	2,18,384 =
49/(49) - Rumble Strip provi-					
-sion of 15 Nos of Rumble					
Strip. covered with mss					
— do — do — all 4/506					
Qty wide P(55)/TMB = 28.125					
@ Rs 302.65 / m ²				= Rs	8,512 =
Continuation					= Rs 2,12,74,996 =

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
B. & Amount				= Rs	2,12,74,996 = L
50/(50) - Rumble strip and					
Laying for hot Applied					
thermo plastic compound					
do do all c/sob.					
Qty vide P(55)/TMB = 28.125 m ²					
@ Rs 781.51/m ²				= Rs	21,980 = L
51/(51) - planting of tree					
and their maintenance					
for one year planting					
of tree by the Road side					
do do all c/sob.					
Qty vide P(56)/TMB = 65 Nos.					
@ Rs 1173.87/cach				= Rs	76,302 = L
				T = Rs	2,13,73,278 = L
Add - 1% L/coss				= Rs	2,13,733 = L
Add - 18% GST				= Rs	38,47,190 = L
				= Rs	27,78,526 = L
				= Rs	2,43,65,537 = L
Add. Seigniorage fee. (S.F.)				= Rs	2,54,34,201 = L
Reference to vide P(44)/TMB					
I. (i) Earth Work. = 837.09 m ³					
(ii) Qty vide P(61)/TMB = 361.26 m ³					
T = 1198.35 m ³					
@ Rs 35.01/m ³				= Rs	41,954 = L
2. Stone Aggregates					
size					
(i) (53 - 9.50) = 30.05 m ³					
@ Rs 915.67/m ³				= Rs	27,516 = L
				= Rs	69,470 = L

Continuation

cont.

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
B. f. Amount					= Rs 254,34,201 = = Rs 2,43,65,537 = T =
B. f. Amount of S. f.					= Rs 69,470 =
(ii) (9.5 - 2.36) = 12.02 m					
@ Rs 424.21/m ²					= Rs 5099 =
(iii) (53 - 22.4) = 41.51 m					
@ Rs 1080.50/m ²					= Rs 44,851 =
(iv) Stone screening = 8.23 m ²					
@ Rs 424.21/m ²					= Rs 3491 =
(v) Stone Crushed Agg. = 132.62 m ²					
@ Rs 424.21/m ²					= Rs 56,263 =
(vi) Crushed Stone = 679.85 m ²					
@ Rs 886.00/m ²					= Rs 6,02,357 =
3. Coarse Sand = 406.01 m ²					
@ Rs 494.00/m ²					= Rs 2,00,569 =
					T = Rs 9,82,090 =
@ 10% S. f.					= Rs 98,209 =
previous S. f.					
vide P(23)/TMD					= Rs 1,82,893 =
total S. f.					= Rs 2,81,103 =
Limited to					
(As per agreement)					= Rs 2,76,391 =
					= Rs 2,76,391 =
					G. T. = Rs 2,46,41,928 =
					= Rs 2,57,10,592 =
Less, 0.05% below					
(As per Agreement)					= (-) 23,140 =
total value of work done					= Rs 2,56,87,452 =

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
B-f Amount					= RS 2,56,87,452 =
Less, previous payment					
(i) vide P(25)/TMB =					1,20,36,779 =
(ii) vide P(59)/TMB =					1,35,22,781 =
Total					= RS 2,55,99,760 =
					= (-) RS 2,55,99,760 =
Net payable Amount value					= RS 1,27,692 =

~~30/05/24~~
30/05/24
S.E.

~~30/05/24~~
30/05/24
S.E.

Certificate

work has been completed
as per specification and

Signature of Engineer

~~30/05/24~~
30/05/24
S.E.

~~30/05/24~~
30/05/24
S.E.