

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2nd on A/c Bill					
for 2nd year maintenance work					
Name of work — Construction of Road from Mastlipur Kachhachak Hote rue Khanna Bhat under mmsy (NDB)					
Agency — M/S Bhagwati Construction, Samastipur					
Agreement No. — 21889/2018-19					
Date of Actual Completion — 28.10.20					

Date of measurement — 27.1.22

Details of measurement

(1) Restoration of
Rain cuts with
Soil —

$$4 \times 30m \times 1.00m \times 0.30m = 36.00m^3$$

$$2 \times 30m \times 0.95m \times 0.30m = 17.10m^3$$

$$4 \times 20m \times 1.05m \times 0.30m = 25.20m^3$$

$$2 \times 8.5m \times 1.00m \times 0.30m = 5.10m^3$$

$$83.40m^3$$

(2) making up loss
of material
irregularities on

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Shoulder — 1/2					
4 X 30m X 1.10m = 132m ²					
6 X 30m X 1.05m = 189m ²					
5 X 26m X 1.10m = 143m ²					
					464m ²
i.e. = 464.00m ² —					
③ maintenance of					
HP culverts — 1/2					
Qty → 2 Nos					
④ maintenance of					
Road Signs — 1/2					
Qty → 1.372 Km					
⑤ maintenance of					
200m and Km — 1/2					
Stone — 1/2					
Qty → 0.206 Km					
⑥ Cutting of					
branches of trees					
and Shrubs — 1/2					
Qty → 8 Nos.					
⑦ Cutting of Shrubs					
from the Roadway — 1/2					
Qty → 18.00 Nos.					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑧ Trimming of Grass and weeds from the Shoulder Surface — EA					
8 X 30m X 1.10m =					264m ²
6 X 30m X 1.05m =					189m ²
7 X 30m X 1.00m =					210m ²
5 X 20m X 1.15m =					115m ²
8 X 30m X 1.10m =					264m ²
8 X 15m X 0.97m =					116.40m ²
					1158.40m ²
					i.e. = 1158.40m ²

⑨ White washing two coats on Parapet walls — EA					
2 X 8.10m X 0.60m =					9.72m ²
2 X 8.10m X 0.40m =					6.48m ²
4 X 0.40m X 0.60m =					0.96m ²
Sum 17.16m ²					17.16m ²
For 2 Nos H.P. Culverts					
Qty = 2 X 17.16m ²					
					= 34.32m ²
					i.e. = 34.32m ²
Prepared 17.01.22 JE					
17.01.22					

Sch. XLV—Form No. 134

Sch. XLV—Form No. 134					Contents of area
Particulars	Details of actual measurement				
	No.	L.	B.	D.	
<u>Abstract of cost</u>					
(1/1) Restoration of Rain cuts with soil — — — — —					
Qty vide TMB P-22					
Item No. (1)					
i.e. = 83.40 m ³					
(2) 378.27/m ³ Rs 31548=					
(2/2) making up loss of material/irregularities on					
Shoulder — — — — —					
Qty vide TMB P-23					
Item No. (2)					
i.e. = 469.10 m ²					
(2) 57.134/m ² Rs 26606=					
(3/7) maintenance of HP culverts — — — — —					
Qty vide TMB P-23					
Item No. (3)					
i.e. = 2 Nos					
(2) 1109.61/Each Rs 2219=					
(4/9) maintenance of Road signs — — — — —					
Qty vide TMB P-23					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item No. (4)					
i.e. = 1.372 Km					
(a) 1666.51/Km					Rs 2286=
(5/11) maintenance of					
200m & Km					
Stone — — — — —					
Qty Wide TMB P-23					
Item No. (5)					
i.e. = 0.206 Km					
(a) 772.32/Km					Rs 159=
(6/12) Cutting of					
branches of					
Trees and Shrubs					
Qty Wide TMB P-23					
Item No. (6)					
i.e. = 8 Nos.					
(a) 105.29/Each					Rs 843=
(5/13) Cutting of					
Shrubs from — — —					
Qty Wide TMB P-23					
Item No. (7)					
i.e. = 18.00 Nos.					
(a) 6.47/Each					Rs 115=
(8/14) Trimming of					
Grass and weeds					

Particulars	Details of actual measurement				Contents area
	No.	L.	B.	D.	
from the shoulder surface — — — — —					
Qty vide TMB P-29					
Item No. (8)					
i.e. = 1158.40 m ²					
② 2.16/m ²					Rs 2502=
9/15) White washing two coats on plaster wall — — — — —					
Qty vide TMB P-29					
Item No. (9)					
i.e. = 34.32 m ²					
② 17.05/m ²					Rs 585=
					Rs 66869=
less 10% Below					
Agreement i.e. = 66869					
Rs. 60176=					
Prepared 27.01.22 JE					
27/1/22					
27/1/22					

Continuation

3rd year maintenance

29

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of Work: -					
Construction of Road from					
mastalipur Hote lulore					
khāma ghad.					
scheme → mungy (NDB)					
Agency: m/s Bhuprat'					
Construction,					
Agreement No: 21/SBD/2018-19					
Dt of measurements					
27/1/2023					
① Restoration of raincuts					
with soil - - do - do - job					
6X 30X 1.0X .3 = 54 m ³					
4X 30X 1.0X .25 = 30 m ³					
5X 30X 0.9X .3 = 40.5 m ³					
2X 30X .8 X .3 = 14.4 m ³					
138.9 m ³					
Qty limited as per agreement					
→ 132.68 m ³					

Continuation

③ Maintenance of bituminous Surface:-

1) Repair to pot holes by removal of failed material, - - do - do - do

$$2 \times 3 \times .2 = 1.2 \text{ m}^2$$

$$3 \times 4 \times 3 \times .25 = 9.0 \text{ m}^2$$

$$12 \times 3 \times .2 = 7.2 \text{ m}^2$$

$$15 \times 4 \times .25 = 15.0 \text{ m}^2$$

$$3 \times 3 \times .25 = 2.25 \text{ m}^2$$

$$\cancel{18 \times 2 \times 8 \times 3.75} = \cancel{60.00 \text{ m}^2}$$

$$89.25 \text{ m}^2$$

④ The maintenance of WBM Road including

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
filling up to pot holes,					
outs and rectifying - do					
do - Job.					
2x 3x.2 =			1.2	m ²	
3x 4x.3 =			3.6	m ²	
12x 3x.2 =			7.2	m ²	
15x 4x.25 =			15	m ²	
3x 3x.25 =			2.25	m ²	
2x 8x3.75 =			60	m ²	
			89.25	m ²	
⑤ patch repair on already					
filled pot holes with					
75 mm WBM Gr 3 - do					
do - do - Job					
2x 8x3.75 =			60	m ²	
2x 3x.2 =			1.2	m ²	
3x 4x.3 =			3.6	m ²	
12x 3x.2 =			7.2	m ²	
15x 4x 0.25 =			15	m ²	
3x 3x.25 =			2.25	m ²	
			89.25	m ²	
⑥ Maintenance of Road					
Marking - do do - Job					
on BT surface					
2x 36x30x.1 =			216	m ²	
2x 20x.1 =			4	m ²	
			220	m ²	
b) on CC surface					
2x 10x30x.1 =			60	m ²	

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(7) Maintenance of H.P. culvert by way of clearing -- do do do					
→ 2 Nos					
(8) Maintenance of Road Sign -- do do do					
1.4 K.M					
(9) Maintenance of 200 m Road -- do do do					
0.196 Km					
(10) cutting of branches of trees -- do do do					
→ 10 Nos					
(11) cutting of shrubs from roadside -- do do					
→ 18 Nos.					
(12) Trimming of grass from roadside -- do do					
$2 \times 40 \times 30 \times 0.6 = 1440 \text{ m}^2$					
(13) White washing of parapet -- do do do					
$2 \times 8.1 \times 0.6 = 9.72 \text{ m}^2$					
$2 \times 8.1 \times 0.4 = 6.48 \text{ m}^2$					
$4 \times 0.4 \times 0.6 = 0.96 \text{ m}^2$					
17.16 m^2					
for 2 Nos culvert → $2 \times 17.16 = 34.32 \text{ m}^2$					

Continuation

Sanjay Kumar

A2

[Signature]

[Signature]
27/1/23
J.E. M. Nagar

Abstract of cost

33

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① Restoration of rainwater with soil measure do do — do					
Qty vide item M.B Page (29)					
132.68 m ² (a) Rs 378.28/m ²					
→ Rs 50188 = 00					
② Maintenance of shoulders making up loss of material on shoulders do do do					
Qty vide item M.B Page (30)					
708 m ² (a) 57.34 /m ²					
→ Rs 40597 = 00					
③ Repair to pot holes by removal of failed material do do do					
Qty vide item M.B Page (30)					
89.25 m ² (a) 289.65/m ²					
→ 25851 = 00					
④ The maintenance of WBM road including filling up to pot holes do do — do do					

Continuation

Rs 116636 = 00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Qty vide item M.B Page (31)					
89.25 m ² @ Rs 289.65/m ²					
→				25851 = 00	
(5) Patch repair on already filled bot holes					
with 75 mm WBM Gr-3 --					
do. do. job					
Qty vide item M.B Page (31)					
89.25 m ² @ Rs 75.17/m ²					
→				6709 = 00	
(6) Maintenance of Road					
Marking -- do. do. job					
Qty vide item M.B Page (31)					
on BT Surface					
220 m ² @ Rs 829.00/m ²					
→				Rs 182380 = 00	
on CC Surface					
60 m ² @ Rs 939/m ²					
→				Rs 56340 = 00	
(7) Maintenance of H.P. Culvert					
-- do. do. job					
Qty vide item M.B Page (32)					
2 Nos @ Rs 1109.57/m ²					
→				Rs 2219 = 00	

Continuation

Rs 390/35 = 00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑧ Maintenance of 20 m post					
— do - do - job					
Qty vide item M.B Page ③②					
0.196 km @ Rs 772.32/km					
→ Rs 151 = ∞					

⑨ Cutting of branches of trees shrubs and trimming do do					
Qty vide item M.B Page ③②					
10 Nos @ Rs 105.39/No					
→ Rs 1054 = ∞					

⑩ cutting of shrubs from roadways - do do - job					
Qty vide item M.B Page ③②					
18 Nos @ Rs 6.47/No					
→ Rs 116 = ∞					

⑪ Trimming of grass - do do - job					
Qty vide item M.B Page ③②					
1440 m ² @ Rs 2.16/m ²					
→ Rs 3110 = ∞					

Continuation

Rs 394566 = ∞

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(12) white washing of on perapet wall of 10 rooms					
do - do - 105					
Qty wide item in B kept (32)					
34.32 m ² @ Rs 17.05/m ²					
→ Rs 585.00					
Rs 3951.51 = ∞					
Less of 10% (10%) → - 395.15 = ∞					
Rs 3556.36 = ∞					

28/11/23

IE M. Nagan

Say 02/12/20
A2

CPP

2/12/20
EC

4th Year Maintenance

38

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work:-					
Construction of Road					
from Matstelpur Hote					
Haree Khanua ghad.					
Scheme-	MMGSY (NDB)				
Agency →	Bhagwati				
	Construction, Samastipur				
Agreement Nos-					
	21/SBD/2018-19				
Dt of measurements					
	27/1/2024				

(1) Restoration of rain					
cuts with soil - do - do - do					
8X30X	9X	3	=	64.8 m ³	
6X30X	8X	.25	=	36 m ³	
4X30X	1.0X	.3	=	36 m ³	
				<u>136.8 m³</u>	

(2) Maintenance of earthen					
Shoulders - do - do - do					
6X30X	9	=	162 m ²		
2X8X30X	.85	=	408 m ²		
2X6X30X	.3	=	108 m ²		
8X30X	.5	=	120 m ²		

Continuation

798 m²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(3) Repair to pot holes by removal of failed material -- do -- do					
	5	3	.4		6 m ²
	6	5	.6		18 m ²
	8	5	.7		17.5 m ²
	12	8	.5		48 m ²
	13	9	.4		46.8 m ²
					<u>136.3 m²</u>

(4) The maintenance of WBM road including filling up pot holes					
-- do -- do -- do					
	5	3	.4		6 m ²
	6	5	.6		18 m ²
	8	5	.7		17.5 m ²
	12	8	.5		48 m ²
	13	9	.4		46.8 m ²
					<u>136.3 m²</u>

(5) Patch repairs on already filled material, forming the sides -- do -- do -- do					
	5	3	.4		6 m ²
	6	5	.6		18 m ²
	8	5	.7		17.5 m ²

Continuation

	12	8	.5		48 m ²
	13	9	.4		46.8 m ²
					<u>136.3 m²</u>

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑥ Maintenance of H.P					
Culverts do - do - do					
→ 2 Nos					
⑦ Maintenance of					
Road Sign do - do - do					
1.4 km					
⑧ Maintenance of					
200 m & km stone					
→ 0.196 km					
⑧ cutting of branches					
of trees - do - do					

→ 10 Nos

⑨ cutting of shrubs					
from roadway - do - do					
→ 18 Nos					

⑩ Trimming of grass					
and weeds - do - do					
2 x 40 x 30 x 5 = 1200 m ²					

⑪ White washing of					
Parapet on CD works					
- do - do - Job.					

Abstract of cost

① Restoration of raincuts
with soil - do - do - jobs
Qty vide item M.B page. ③⑧
136.8 m² @ Rs 378.27/m²
—————> Rs 51747.00

Maintenance of shoulder -
② Making up loss of
material on shoulder
- do - do - jobs
Qty vide item M.B page ③⑨

Continuation

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
798 m ² @ Rs 57.34/m ²					
→ Rs 45757 = 00					
(3) Repairs to pot holes by removal of failed material -- do - do - jobs					
Qty vide item M.B page. (39)					
136.3 m ² @ Rs 289.65/m ²					
→ Rs 39479 = 00					
(4) The maintenance of WBM road incurred along					
Filling -- do - do - jobs					
Qty vide item M.B (39)					
136.3 m ² @ Rs 289.65/m ²					
→ Rs 39479 = 00					
(5) Patch repairs on already filled pot holes with 75 mm					
-- do - do - jobs					
Qty vide item M.B page (39)					
136.3 m ² @ Rs 75.17/m ²					
→ Rs 10246 = 00					
(6) Maintenance of H.P. culvert					
-- do - do - jobs					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Qty vide item N.B Page (40)					
2 Nos @ Rs 1109.87/No					
→ Rs 2219 = 00					
(7) Maintenance of Road					
Sign-- do do					
Qty vide Item N.B Page (40)					
1.4 km @ Rs 1066.51/km					
→ Rs 1493 = 00					
(8) Maintenance of					
200 m of km Post-- do do					
Qty vide item N.B Page (40)					
0.196 km @ Rs 772.32/km					
→ Rs 152 = 00					
(9) Cutting of branches					
of trees & shrubs					
-- do -- do -- do					
Qty vide item N.B Page (40)					
10 Nos @ Rs 105.39 = 00/No					
→ 1054 = 00					
(10) Cutting of shrubs					

Sch. XLV—Form No. 154

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
from roadway					do
do - do					do
Qty vide item M.B page (40)					
18 Nos @ Rs 6.47/m					
→ Rs 116.46					
(11) Trimming of grass and weeds from the shoulders					
do - do - do					
Qty vide item M.B page (40)					
1200 m ² @ Rs 2.16/m ²					

→ 2592 = ∞					
(12) White washing of parapet wall for CD works					
do - do - do					
Qty vide item M.B page (41)					
34.12 m ² @ 17.05/m ²					
→ Rs 582 = ∞					
Less as per spec (-107) →					
194 915 = ∞					
Rs 175 429 = ∞					

Singh 28/11/24
ME

Continuation

27/11/24
J.E. Manger

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of Road:-					
Mas talipur Kasimchak					
To Hote Hue Khanua Ghat					
Agreement No. 21 SBD/ 18-19					
Heard 2 MCMGSA - NDB					
Date of Completion:- 28.1.2020					
Name of Agency:- M/s					
Bhagwati Construct					
Date of Entry:- 25.1.25					

- ① Restoration of rain cuts with soil -- do
-- do all complete job

$$10 \times 30 \times 0.9 \times 0.3 = 81.00 \text{ m}^3$$

$$7 \times 30 \times 0.9 \times 0.25 = 47.25 \text{ m}^3$$

$$5 \times 30 \times 0.95 \times 0.3 = 42.75 \text{ m}^3$$

$$\text{Total qty.} = 171.00 \text{ m}^3$$

$$\text{Limit} = 170.59 \text{ m}^3$$

- ② Maintenance of earthen shoulder do -- do --
all complete job

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
6 x 30 x 0.8	=				144.00 m ²
2 x 8 x 30 x 0.8	=				384.00 m ²
2 x 6 x 30 x 0.8	=				288.00 m ²
8 x 30 x 0.5	=				120.00 m ²
Totality =					936.00 m ²

③ Maintenance of WBM Road including filling up to pot holes do-do = all complete job

10 x 3 x 0.4 = 12.00 m²

10 x 5 x 0.6	=				30.00 m ²
10 x 5 x 0.7	=				35.00 m ²
15 x 8 x 0.5	=				60.00 m ²
13 x 9 x 0.4	=				46.80 m ²
Totality =					183.80 m ²

④ Maintenance of bituminous surface

Same as item no. ③ = 183.80 m²

⑤ Patch repair on already filled pot holes do-do = all complete job

Same as item no. ④ = 183.80 m²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑥ Maintenance of Road marking with Hot Applied thermoplast on B.T. Portion					
$2 \times 30 \times 30 \times 0.1$					$= 180 \text{ m}^2$
$2 \times 10 \times 24 \times 0.1$					$= 48 \text{ m}^2$
$2 \times 10 \times 30 \times 0.1$					$= 60 \text{ m}^2$
$2 \times 5 \times 26 \times 0.1$					$= 26 \text{ m}^2$
Total					$= 314 \text{ m}^2$

⑦ Maintenance of Road marking with Hot Applied Thermoplast on C.C. Pavement

$$2 \times 10 \times 30 \times 0.1 = 60 \text{ km}^2$$

⑧ Maintenance of H.P. Culvert

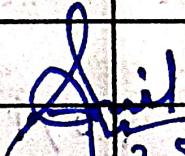
2 Nos

⑨ Maintenance of Road Sign

$$= 1.872 \text{ km}$$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑨ Maintenance of 200 m KM. stone					
= 0.449 KM					
⑩ Cutting of branches of trees shrubs from the road way do— do— all complete Job					
= 10 NOS					
⑪ Cutting of shrubs from the road way do— do— all complete Job					
= 23 NOS					
⑫ Trimming of grass and weeds from the shoulder do— do— all complete Job					
$2 \times 30 \times 30 \times 0.6 =$					$1800 m^2$
$15 \times 30 \times 2 \times 0.9 =$					$810 m^2$
Total					<u>$2610 m^2$</u>

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(13) White washing two coats on parapet walls do - do - all complete Job					
$2 \times 8.1 \times 0.6 =$					$9.72 m^2$
$2 \times 8.1 \times 0.4 =$					$6.48 m^2$
$4 \times 0.4 \times 0.6 =$					$0.96 m^2$
					$17.16 m^2$
for 2 Culvert					
$2 \times 17.16 =$					$34.32 m^2$
Unit =					$34.10 m^2$


 25/11/25

(10)	Z.A. = D	Z.B	380 m
A - J - R	K.A.D.	187	20 m
B.M.			
(11)	Calculation of M.P.W		
(12)	Z.A. = D	Z.B	390 m
A - J - R	K.A.D.	187	20 m
B.M.			
(13)	Calculation of S.M.P.W		
(14)	Z.A. = D	Z.B	400 m
A - J - R	K.A.D.	187	20 m
B.M.			

Abstract of cost

52

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① Restoration of rain cut with soil					
V.T.M.B. P. (47) =					120.59 m ²
② 378.27 = Rs.					1,64,529.00
② Maintenance of Earthen shoulder					
V.T.M.B. P. (47-48) =					936.00 m ²
③ 57.34 = Rs.					53,670.00
③ Maintenance of WBM Drain					
V.T.M.B. P. (48) =					183.80 m ²
④ 289.65 = Rs.					53,238.00
④ Maintenance of bituminous surface					
V.T.M.B. P. (18) =					183.80 m ²
⑤ 289.65 = Rs.					53,238.00
⑤ Patch repair on already filled pot holes					
V.T.M.B. P. (48) =					183.80 m ²
⑥ 75.17 = Rs.					13,816.00
⑥ (i) Maintenance of Road Marking on B.T. Pavement					
V.T.M.B. P. (49) =					314.00
⑦ 829.00 = Rs.					2,60,306.00

Continuation

C/F = 49,87,97.00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		B/F	498797.00		
(ii) Road marking on CC Pavement					
V.T.M.B.P.	P	(49)	= 60 Nos		
⑥	939.00	= Rs.	56340.00		
(7) Maint. of H.P. Culvert					
V.T.M.B.P.	P	(49)	= 2 Nos		
⑦	1109.67	= Rs.	2219.00		
(8) Maintenance of Road					
V.T.M.B.P.	P	(49)	= 1.872 km		
⑧	1066.51	=	1997.00		
(9) Maintenance of 200 m KM Stone					
V.T.M.B.P.	P	(50)	= 0.449 km		
⑨	772.32	= Rs.	347.00		
(10) Cutting of branches of trees shrubs					
V.T.M.B.P.	P	(50)	= 10 Nos		
⑩	105.29	= Rs.	1054.00		
(11)					

Continuation

Continuation