

Name of Road: Bhaggaon Monbharpur
Road Path to Katarija
(Aeriyaj) Tuk.

Head : MMCSY-NDBD

PKN NO : MMCSY-NDB.
BRRP-3/6.

Date of Start: 11-06-2021

Date of Comp: 10-12-2022.

Agency : Di Waker Karmen

At + PO - Munkpym

Dist - Madhepura

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Record Entry!					
① WBM Grading-3 - providing					
Laying, spreading and comp.					
setting stone aggregates - 1/4"					
4 x 30.00 x 3.75 avg x 0.075 =					33.75 m ³
4 x 30.00 x 3.75 avg x 0.075 =					33.75 m ³
1 x 15.00 x $\frac{3.75 + 4.50}{2}$ x 0.075 =					4.64 m ³
1 x 15.00 x $\frac{4.50 + 3.75}{2}$ x 0.075 =					4.64 m ³
4 x 30.00 x 3.75 x 0.075 =					33.75 m ³
3 x 30.00 x 3.75 x 0.075 =					25.312 m ³
1 x 15.00 x $\frac{4.50 + 3.75}{2}$ x 0.075 =					4.518 m ³
For Rigid pavement - 98.500 to 118.500 m					
1 x 5 + $\frac{4.75 + 3.75}{2}$ x 0.075 =					1.518 m ³
4 x 30.00 x 3.75 avg x 0.075 =					33.75 m ³
2 x 30.00 x 3.75 avg x 0.075 =					16.875 m ³
1 x 15.00 x 3.75 avg x 0.075 =					4.218 m ³
For flexible pavement					
in between 118.500 m to 212.500 m					
4 x 30.00 x 3.75 avg x 0.075 =					33.75 m ³
4 x 30.00 x 3.75 avg x 0.075 =					33.75 m ³
10 x 30.00 x 3.75 avg x 0.075 =					84.375 m ³
10 x 30.00 x 3.75 avg x 0.075 =					84.375 m ³
3 x 30.00 x 3.75 avg x 0.075 =					25.312 m ³
1 x 10.00 x 3.75 avg x 0.075 =					2.812 m ³
					458.093 m ³
Net Quantity of WBM in III =					458.093
Qty. vide MBP-19					+ 14.805
Continuation					= 608.898 m ³

20/05/2022
JE

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Record Entry</u>					
① cement-Concrete Pavement					
Construction of 4m-reinforced					
expansion for and Const					
ruction - - - - - M30 grad					
as per drawing and sp - 11					
PCC pavement at chage					
985.00m to 1125.00m,					
$1 \times 5 \times \frac{4.50 + 3.75}{2} \times 0.160 \text{ m} =$					3.30 m^3
$2 \times 30.00 \times 3.75 \times 0.160 \text{ m} =$					36.00 m^3
$1 \times 15.00 \times \frac{3.75 + 4.50}{2} \times 0.160 =$					9.90 m^3
$1 \times 15.00 \times \frac{4.50 + 3.75}{2} \times 0.160 =$					9.90 m^3
$3 \times 30.00 \times 3.75 \text{ avg} \times 0.160 =$					54.00 m^3
$1 \times 15.00 \times \frac{3.75 + 4.05}{2} \times 0.160 =$					9.36 m^3
					122.46 m³
Limit 122.40 m ³ .					
<u>By</u> <u>30/05/2022</u> <u>JB</u>					
② Hard Shouldering: Laying					
brick soling on prepared sub					
grade with brick on end					
Laying - - - - - 1/1					
$2 \times 6 \times 30.00 \times 0.250 =$					90.00 m^3
$2 \times 1 \times 20.00 \times 0.250 =$					10.00 m^3
					100.00 m³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Record Entry:</u>					
① Back Filling behind abutment, w/wall and R/w complete as per drawing. -- e/l					
For CD-1, CD-2, CD-3, CD-4, CD-5					
	5 Nos	2	2.92	5.20	0.20 = 30.368 m ³
	5 Nos	2	2.92	4.61	1.78 = 241.168 m ³
					= 271.536 m ³
Subtotal for Filter media					= 99.150 m ³
					172.436 m ³
② Filter media: Providing and laying filter media with USB -- e/l					
Behind Box cul wall					
	5	2	4.61	0.60	1.70 = 47.022 m ³
	5	4	2.92	0.60	1.87 = 52.060 m ³
					99.150 m ³
③ providing weepholes in brick masonry/stone masonry					
Abutment, w/wall, R/wall -- e/l					
	5	36.00	2		180.00 Nos

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
④ parapet construction plan					
reinforced concrete					
compete - - - - -					
painting on parapet					
Wall - - - - -					
For SMO CO					
Top face					
5x2x	8.34	x 0.40	=		33.36 m ²
Side face					
5x4x	8.34	x 0.60	=		100.08 m ²
Front face					
5x4x	0.40	x 0.60	=		4.80 m ²
					138.24 m ²

⑤ Drainage spouts complete

as per drawing - - - - -

For SMO CO.

5x4

= 20 nos

⑥ Single red 300mm dia

6x4x2.50 = 60.00 m

By
10/10/2022
JE

Record Entry:

① Prime coat (Low porosity)

providing and applying primer

coat with redoxan emul.
500 (500) - - - - -

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	1x20x	5.0 + 4.0		=	90.0m ²
	1x20x	4.0 + 3.75		=	77.50m ²
	10x30.00x	3.75avg		=	1125.0m ²
	4x30.0x	3.75avg		=	450.0m ²
	1x20.0x	3.75 + 4.00		=	77.50m ²
	1x20.0x	4.0 + 3.75		=	77.50m ²
	4x30.0x	3.75avg		=	450.0m ²
	4x30.0x	3.75avg		=	450.0m ²
	1x15x	3.75 + 4.05		=	58.50m ²
	1x15x	4.05 + 3.75		=	58.50m ²
	4x30.0x	3.75avg		=	450.0m ²
	3x30x	3.75avg		=	337.50m ²
	1x5.0x	4.00 + 3.75		=	19.375m ²
	4x30.0x	3.75avg		=	450.0m ²
	4x30.0x	3.75avg		=	450.0m ²
	10x30.0x	3.75avg		=	1125.0m ²
	10x30.0x	3.75avg		=	1125.0m ²
	3x30.00x	3.75avg		=	337.50m ²
	1x10.0x	3.75avg		=	112.50m ²
					7321.37m ²

Jm
20/06/2022
SE

② Tack coat : Providing and applying tack coat with bitumen emulsion - - - - - 1/2

Same Area as previous coat : 7321.37m²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
③ Mix seal Surfacing: providing laying and rolling of close graded premix surface	-	-	-	-	8/1
1x20.0x $\frac{6.50+5.00}{2}$				2	110.0m ²
1x20x $\frac{5.10+3.75}{2}$				2	87.50m ²
10x30x3.75avg				2	1125.00m ²
4x30.0x3.75avg				2	450.0m ²
1x20.0x $\frac{3.75+5.00}{2}$				2	43.8750m ²
1x20.0x $\frac{5.00+3.75}{2}$				2	87.50m ²
4x30.0x3.75avg					450.0m ²
1x15.0x $\frac{3.75+4.05}{2}$				2	58.50m ²
1x15.0x $\frac{4.05+3.75}{2}$				2	58.50m ²
4x30.0x3.75avg					450.0m ²
3x30.0x3.75avg					337.50m ²
1x5x $\frac{4.50+3.75}{2}$					20.62m ²
4x20.0x3.75avg					450.0m ²
4x30.0x3.75avg					450.0m ²
10x30.0x3.75avg					1125.0m ²
10x30.0x3.75avg					1125.0m ²
3x30.0x3.75avg					337.50m ²
1x10.0x3.75avg					37.50m ²
					7334.62m ²

[Signature]
20/06/2022
JB

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Record Entry					
Earth work Quantity Sheet					
S.No	CH in (m)	Area in (m ²)	Mean Area m ²	Distance	Volume in m ³
1	0	3.299	—	—	—
2	50.0	3.474	3.387	50.0	169.329
3	100.0	4.428	3.951	50.0	197.551
4	150.0	2.156	3.292	50.0	164.587
5	200.0	2.399	2.277	50.0	113.850
6	250.0	5.045	3.722	50.0	186.090
7	300.0	5.196	5.120	50.0	256.022
8	350.0	5.292	5.244	50.0	262.209
9	400.0	5.170	5.231	50.0	261.550
10	450.0	5.233	5.201	50.0	260.054
11	500.0	5.170	5.261	50.0	260.054
12	550.0	5.726	5.448	50.0	272.402
13	600.0	5.686	5.706	50.0	285.300
14	650.0	5.535	5.610	50.0	280.516
15	700.0	5.582	5.559	50.0	277.930
16	750.0	5.582	5.582	50.0	279.122
17	800.0	5.521	5.551	50.0	277.575
18	850.0	5.521	5.521	50.0	277.126
19	900.0	5.568	5.590	50.0	278.488
20	950.0	5.635	5.602	50.0	280.085
21	1000.0	5.614	5.625	50.0	281.226
22	1050.0	5.567	5.591	50.0	279.527
23	1100.0	5.430	5.499	50.0	274.938
24	1150.0	5.535	5.483	50.0	274.126
25	1200.0	5.481	5.508	50.0	275.394
26	1250.0	5.493	5.487	50.0	274.355
27	1300.0	5.522	5.508	50.0	275.376
28	1350.0	5.533	5.527	50.0	276.365
29	1400.0	5.579	5.556	50.0	277.803
30	1450.0	5.578	5.548	50.0	277.423
31	1500.0	5.532	5.525	50.0	276.231
32	1550.0	5.579	5.556	50.0	277.778
33	1600.0	5.521	5.530	50.0	277.499
34	1650.0	5.410	5.515	50.0	278.259
35	1700.0	5.753	5.681	50.0	284.066
36	1750.0	5.226	5.490	50.0	274.481
37	1800.0	5.430	5.328	50.0	266.418
38	1850.0	5.638	5.534	50.0	276.713
39	1900.0	5.616	5.627	50.0	281.353
40	1950.0	5.687	5.651	50.0	282.570
41	2000.0	5.969	5.828	50.0	291.394
42	2050.0	5.577	5.773	50.0	288.656
43	2100.0	5.702	5.140	50.0	281.2987
44	2125.0	5.772	5.538	25.0	138.445
Continuation					
Total Qty in cum					21182.40 m ³
crush					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Net e/w Quantity including crust =					
Deduct in S.B + FORM-W =				111.82	400m ³
				22.76	55m ³
Subgrade & shoulder =				5662.06	m ³
P.C.C. pavement =				122.40	m ³
Hard shoulder =				12.50	m ³
					3108.890m ³
Net Qty of B/w for Hilling =				3108.890 x 90%	
					2798.001
② Construction of Embankment with material obtained from borrow pits - e/s					
① For 1000.0 m lead =				2798.00 x 25%	
					699.50m ³
② For 100.0 m lead =					2098.50m ³
5th May 2022 at 11:00 AM to 12:00 PM 1st 1000 m and 1st 100 m By 10/07/2022 GB C/S 2 mmp 9/7/2022					
Record Entry					
① Construction of subgrade and earthen shoulder - e/s					
Earthen shoulder					
Adjacent of WBV & Per face dressing (at portion)					
Continuation					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Adjacent to NSB (RT portion)	2.0x	1925.0x	1.182x	0.075x	341.16m ³
Adjacent to PCC (PCC portion)	2.0x	1925.0x	1.388x	0.20x	1068.76m ³
Adjacent to WBM up-III (PCC portion)	2.0x	200.0x	0.375x	0.15x	24.00m ³
Adjacent to NSB (PCC portion)	2.0x	200.0x	0.375x	0.075x	11.25m ³
	2.0x	200.0x	0.375x	0.100x	15.00m ³
					1460.17m ³

July 18/07/2022	o/s	2 mmp	17/7/2022
Record Entry:			
① Kilometre stone: Rec			
MIS gate kilometre --- e/s			
① ordinary			
① 5th km stone (PCCast) = 4.0 Nos			
② 200m stone (PCCast) = 12.00 Nos			
② Providing and fixing 'Logo' of project: providing & fixing of typical masonry retaining sign board. --- e/s			
① Providing & fixing 'Logo' of project as per drawing --- 2 Nos			

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Citizen information board :-					1.0 Nos
Maintenance information board :-					1.00 Nos
					5.00 Nos
(3) printing New Letters and figures of any shape --- e/s					
7 x 44.00				2	308.00 per cm height letters
(4) Bouting pillars / smart post					
					296.00 Nos
(5) Traffic Sign: providing and fixing of retro-reflect- orised cautionary, mandatory and informative --- e/s					
(i) 600mm equilateral Triangle					
				2	16.00 Nos
(ii) 600mm Circular					
				2	5.00 Nos
(iii) 800mm x 600mm rectangular					
					4.00 Nos
(iv) 600mm x 450mm rectangular					
					2.00 Nos
(v) 900mm side octagon					
				2	5.00 Nos
(6) Road Marking with hot Applied thermoplastic compound with retro-reflecting --- e/s					

Continuation

By
JTS

2 mmp
20/9/2022

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
At Both Edge	2x	1925.00x	100	2	38500 m ²
⑦ Road marking with hot applied thermoplastic comp with reflecting glass beads on concrete — 1/1					
At Edge (Both End)	2x	200.00x	0.100	2	40.00m ²
⑧ planting of trees & there maintenance for one year — 1/1					
	1x	1.930x	100	2	19250 Nos.
Jy 21/07/2022 JB 2mm 21/7/2022 AE					

(1/1) Setting out pillars --- e/l

Qty vid TMB P-(20)

3.0 Nos @ RS 3859.05 = RS 11577.15

Reference pillars

08.0 Nos @ RS 1757.87 = RS 14062.96

(2/4) clearing & grubbing

road land --- e/l

Qty vid TMB P-(20)

1.484 Hec @ RS 52970.33 = RS 78634.45

(3/16) E/W in excavation for foundation

tion up to 3.00 m --- e/l

Qty vid TMB P-(20)

558.69 m³ @ RS 260199.35 = RS 146199.35

260199.35

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(4/19) providing & fixing 'lego' of project - - - - - 1/1					
Qty. vid. MBP - (35)					
5 nos @ RS 9541.75 = RS 47708.75					
(5/37) providing PCC M:1:5 concrete for plain/RCC foundation					
Qty. vid. MBP - (21)					
39.61 m ³ @ RS 4825.25 = RS 191128.15					
(6/39) supplying, fitting & placing HYSD bar in foundation - - - - - 1/1					
Qty. vid. MBP - (21)					
0.795 MT @ RS 49397.91 = RS 39291.09					
(7/38) providing concrete for plain/reinforced in open foundation - - - - - 1/1					
PCC M-20 concrete					
Qty. vid. MBP - (21)					
167.685 m ³ @ 5406.43 = RS 906577.21					
(8/44) supplying, fitting & placing HYSD bar, reinforcement in Substructure - - - - - 1/1					
Qty. vid. MBP - (22)					
5.11 MT @ RS 49543.90 = RS 253169.32					
(9/41) Plain/reinforced concrete in sub-structure - - - - - 1/1					
Qty. vid. MBP - (22)					
81.60 m ³ @ RS 5612.70 = RS 457996.32					

Continuation

2156070.19

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(10/43) Plain/reinforced concrete in sub-structure...					
Reem-25 mm					4/5
Qty vid MBP-(22)					
50.10m ³ @ RS 6244.13 = RS 312830.91					
(14/49) Supplying, fitting and placing fixed bar reinforcement in super structure					4/5
Qty vid MBP-(22)					
1.9614 MT @ RS 50673.822 RS 99391.63					
(12/48) providing & laying reinforcement concrete in superstructure					4/5
Qty vid MBP-(22)					
21.875m ³ @ RS 6832.81 = RS 149467.71					
(13/50) Pier Construction					4/5
Qty vid MBP-(23)					
20.00m ³ @ RS 5612.70 = RS 112254.00					
(14/5) Construction of embankment with material obtained from borrow pits					4/5
Qty vid MBP-(33)					
(15/5) For 100.0m lead					
2098.50m ³ @ RS 143.20 = RS 300505.20					
(16/6) For 1000.0m lead					
699.50m ³ @ RS 19036 = RS 13315682					

Continuation

3263676.46

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(15/7) Construction of Subgrade and earthen shoulder with approved material - - - - - 1/1					
Qty vid TMB P - (23) (34)					
4201.89 m ² + 1460.17 = 5662.06 m ²					
@ Rs 192.04					= Rs 1087342.00
(16/8) CSSB with non coated material - - - - - 1/1					
Qty vid TMB P - (23)					
1666.94 m ² @ Rs 2380.26 = Rs 3967750.6					
(17/9) NORM 10-3 material - - - - - 1/1					
Qty vid TMB P - (26)					
608.898 m ² @ Rs 3190.80 = Rs 1942871.74					
(18/13) cement concrete pavement M-30 - - - - - 1/1					
Qty vid TMB P - (27)					
122.40 m ² @ Rs 6200.34 = Rs 758921.61					
(19/14) Hard shoulder - - - - - 1/1					
Qty vid TMB P - (27)					
100.00 m ² @ Rs 507.59 = Rs 50759.00					
(20/45) Backfilling behind abutment, wall, R/wall - - - - - 1/2					
Qty vid TMB P - (28)					
172.436 m ³ @ Rs 752.08 = Rs 129685.66					
(21/46) Filter media with finer crushed aggregate - - - - - 1/1					
Qty vid TMB P - (28)					
99.00 m ³ @ Rs 2882.14 = Rs 285620.07					

11486627.10

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(22/42) providing weep holes --- $\frac{1}{4}$					
Guty vid TMB P-(28)					
180 nos @ RS 108.96 = RS 19612.80					
(23/51) painting on parapet wall					
Guty vid TMB P-(28)					
138.648 m ³ @ RS 100.76 = RS 13970.17					
(24/52) drainage spouts --- $\frac{1}{4}$					
Guty vid TMB P-(29)					
20.0 nos @ RS 1689.04 = RS 33780.80					
(25/10) prime coat (Low porosity)					
Guty vid TMB P-(30)					
7321.37 m ² @ RS 41.69 = RS 305227.91					
(26/11) tack coat (R+1)					
Guty vid TMB P-(30)					
7321.37 m ² @ RS 14.20 = RS 103963.45					
(27/12) MSS JSPeB providing					
Guty vid TMB P-(31)					
7334.62 m ² @ RS 186.92 = RS 1370987.17					
(28/17) ordinary kilometer stone					
Guty vid TMB P-(34)					
4.00 nos @ RS 2049.16 = RS 8196.64					
(29/18) 2000m stone Guty vid TMB					
P-(24)					
11.0 nos @ RS 571.67 = RS 6288.37					
(30/19) providing and fixing layer of mmsp project --- $\frac{1}{4}$					
Guty vid TMB Penetration					
5.0 nos @ RS 9541.75 = RS 47708.75					

13396343.20

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(31/20) Putting new letter and figures	-	-	-	-	4/1
Qty. vid M.B.P. (35)					
308.00 per cm. letter @ RS 0.54					RS 166.32
(32/21) Boundary Pillars / inward post					
Qty. vid M.B.P. (35)					
96.0 Nos @ RS 490.79					RS 47115.84
(33/23) 600mm equilateral angle board					
Qty. vid M.B.P. (35)					
16 Nos @ RS 3636.36					RS 58181.76
(34/24) 600mm circular					
5.0 Nos @ RS 4861.22					RS 24306.10
(35/25) 800mm x 600mm rectangular					
4.0 Nos @ RS 6761.19					RS 27044.76
(36/26) 600mm x 450mm rectangular					
2 Nos @ RS 4735.84					RS 9471.68
(37/27) 900mm side octagon					
3 Nos @ RS 8612.94					RS 25838.82
(38/28) Road marking with hot applied					
on bituminous surface,					
Qty. vid M.B.P. (36)					
40.00					
385.00 m ² @ RS 721.95					RS 277950.75
(39/29) Road marking with hot applied					
on PCC surface					
Qty. vid M.B.P. (26)					
40.00 m ² @ RS 810.76					RS 32430.40

13898869.60

[illegible]