

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.	
	1st	on	A/C	Bill	
Name of work: Construction of					
Road from Mahuawa PMGSY					
Road to Hirafatti Digha					
Pokhar Under MMGSY NDB					
BRICS					
Package no. MMGSY NDB BRRP					
105 Sirkhama Dhaka					
Agency - M/s Uttar Bihar Construction					
CO,					
Sports Club road, Chhatrauni,					
Motihari, East Champaran.					
Agreement No. 28 SBD/2019-20					
Date of work order - 28/11/2019					
Date of completion as					
per Agreement - 27/11/2020					
Date of Measurement -					
24/09/2020					
(1) Binding & Filing of					
Informational Board					
2 Nos					
(2) Construction of Ref					

Continuation
 Piller/Burjee

0.687km

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(3) Clearing & Grubbing of road land including uprooting veg.					
2 x 5 x 50.0m x 1.50m					= 750.0m ²
2 x 8 x 50.0m x 1.50m					= 1200.0m ²
2 x 37.0m x 1.50m					= 1110.0m ²
					= 2061.0m ²
					= 0.2061 Hect
(4) Contents of Embankment with material obtained from leach					

CH (m)	C/S area (m ²)	mean c/s area (m ²)	length m	Qty m ³
0	2.80	—	—	—
50	2.835	2.818	50	140.875
100	4.138	3.487 4.138	50	174.325
150	3.617	3.878	50	193.875
200	3.365	3.491	50	174.55
250	2.971	3.168	50	158.40
300	1.971	2.471	50	123.55
350	2.182	2.077	50	103.825
400	2.185	2.184	50	109.175
450	2.393	2.289	50	114.45
500	0.17	1.282	50	64.075
550	0.151	0.161	50	8.025
Continuation				1365.125m ³

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					Bf 1365.125m ²
600	0.185	0.168		50	8.40m ²
650	0.250	0.218		50	10.875
700 687	2.339	1.295		37	47.91
750					1432.31
lead up to 1000 m					
$1432.31m^2 \times 0.30 = 429.69m^2$					
lead up to 100 m					
$1432.31m^2 \times 0.70 = 1002.62m^2$					
(5) E/W excavation in founder trenches					
1.0m dia flume pipe					
$2 \times 6.45m \times 1.55m \times 1.675m = 33.49m^3$					
$5.0m \times 1.53m \times 0.54m = 4.13m^3$					
$= 37.62m^3$					
(6) Sand filling in founder trenches					
$2 \times 6.45m \times 1.55m \times 0.100m = 2.0m^3$					
$5.593m \times 1.53m \times 0.100m = 0.85m^3$					
$= 2.85m^3$					
(7) Brick flat soling in founder					
$2 \times 6.45m \times 1.55m = 19.99m^2$					
$5.653m \times 1.53m = 8.65m^2$					
Continuation 28.64m ²					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(8) Providing & laying P.C.C					
MIS in foundation					
2 x 6.30m x 1.40m x 0.150m =					2.64m ³
24/09/2020 J-E					
24/09/2020 AC					

04/11/2020					
(1) Construction of subgrade					
With material obtained					
from leads					
B.T 2 x 30.0m x 7.10m x 0.30m =					127.8m ³
3 x 30.0m x 7.0m x 0.30m =					189.0m ³
9.0m x 7.15m x 0.30m =					19.3m ³
					<u>= 336.10m³</u>
(2) Box cutting					
B.T 2 x 6 x 50.0m x 0.525 x 0.100 =					31.50m ³
2 x 28.0m x 0.525 x 0.100 =					2.94m ³
P.C.C → 2 x 2 x 50.0m x 0.375 x 0.100 =					7.50m ³
2 x 35.0m x 0.375m x 0.100 =					2.62m ³
					<u>= 44.56m³</u>

Continuation

⑤ Providing & laying
R.C.C. N.P. - hume pipe
of 1.0m dia

(6) Plastering is cm
(1:4) on wall

$$2 \times 6.15 \text{ m} \times 0.400 \text{ m} = 4.92 \text{ m}$$

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				Rsf	35.40m ²
<u>Deduction</u>					
$2 \times \frac{7}{4} \times (1.23)^2$					$= 42.37m^2$
					$= 33.03m^2$
(7) Providing Cement Running on wall					
$2 \times 6.15m \times 0.1400m$					$= 4.92m^2$
$2 \times 6.15m \times 0.600m$					$= 7.38m^2$
$4 \times 0.400m \times 0.600m$					$= 0.96m^2$
					$= 13.26m^2$
<u>24.113.42</u>				<u>04/11/2020</u>	

03/12/2020					
(1) Providing & laying granular subbase by providing grading I material					
Profile correction					
$23.0m \times 1.10m \times 0.075m$					$= 1.89m^3$
$19.20m \times 1.35m \times 0.075m$					$= 1.94m^3$
$2 \times 30.0m \times 1.20m \times 0.075m$					$= 5.40m^3$
$16.0m \times 2.20m \times 0.075m$					$= 2.64m^3$
$27.50m \times 1.05m \times 0.075m$					$= 2.16m^3$
$19.90m \times 1.60m \times 0.075m$					$= 2.38m^3$
Box cutting Area side runz by					$= 44.56m^3$
					$60.97m^3$

Continuation

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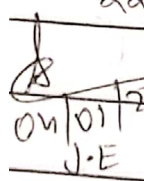
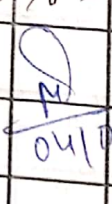
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Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
25/12/2020					
(1) Providing & laying Prime coat with Emulsion SS,					
$17.0m \times 8.50 + 3.75m$					$= 104.12m^2$
	2				
$33.0m \times 3.75m$					$= 123.75m^2$
$4 \times 50.0m \times 3.75m$					$= 750.0m^2$
$14.0m \times 3.75m$					$= 52.50m^2$
$4 \times 50.0m \times 3.75m$					$= 750.0m^2$
$21.0m \times 3.75m$					$= 78.75m^2$
					$= 1853.12m^2$
(2) Constn of Un-reinf. P.C.C Pavement of M25 grade					
$30.0m \times 3.75m \times 0.160m$					$= 18.0m^3$
$30.0m \times 4.0m \times 0.160m$					$= 19.20m^3$
$20.0m \times 3.75m \times 0.160m$					$= 12.0m^3$
$4 \times 30.0m \times 3.75m \times 0.160m$					$= 72.0m^3$
					$= 121.20m^3$
25/12/2020					
J.E					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					BF
550	1.154	2.214		50	110.70
600	2.088	1.621		50	81.05
650	3.232	2.68		50	134.0
687m	8.397	5.835		37	215.877
					= 3760.427m ³
Deduction :-					
G.S.B. with T.M.B P ₇					↳ 355.28m
W.B.M. G.M.M. P ₈					↳ 196.21m
P.C.C. m ₂₅ P ₉					↳ 121.20
M.S.S P ₁₀	1859.12	10.0			↳ 37.82m ²
Subgrade P ₁₁					↳ 336.10
					= 2713.81m ³
					Shoulder = 500.0m ³
					2213.81m ³
lead up to 1000m					
					= 2213.81 × 0.30 = 664.14m ³
lead up to 100m					
					2213.81m ³ × 0.70 = 1549.67m ³
 04/01/2021 J.E.  04/01/2021 A2					
Continuation					

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Abstract of Cost					
(1) 3 Constn of Ref. pillar					
Burjia					
0.687km side Tms P ₁					
@ 10,715 = 49					7362 = 00
(2) 4 Clearing & grubbing of road land including uprooting veg					
0.2061 Hect side Tms P ₂					
@ 49244 = 52					10,149 = 00
(3) 5 Construction of embankment with lead up to 1000m					
664.14 m ³ side Tms P ₁₃					
@ 187 = 89					1,24,785 = 00
(4) 6 Constn of Subgrade & earthen shoulder					
336.10 m ³ side Tms P ₄					
500.00 m ³ side Tms P ₁₃					
836.10 m ³ @ 189 = 77					1,58,667 = 00
(5) 7 Constn of embankment with lead up to 100m					
1549.6 m ³ side Tms P ₁₃					

Continuation

@ 143 = 00

2,21,603 = 00

5,22,566 = 00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B ₁	5,22.566=00
(6) 8 Box with 44.56m ² side TMS P ₄					
					3653=0
(7) 10 Construction of granular Sub-base by providing grading material					
355.28m ³ side TMS P ₇					
					10,29.680=0
(8) 11 Providing & laying & compacting WBM Gr III					
196.21m ² side TMS P ₈					
					7,09,772=00
(9) 12 Providing & laying Prime Coat with Emulsion SS ₁					
1859.12m ² side TMS P ₉					
					92603=
(10) 13 Providing & laying Tack coat with Emulsion RS ₁					
1859.12m ² side TMS P ₁₀					
					31,047=

Continuation

23,89,321=

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				P.F. 23	89.321=00
(11) 14				Providing & laying 20mm thick Mix Seal surfacing 1859.12m ² vide TMS P10	
				237=84	4,45,891=00
(12) 15				Constn of Un-reinf. P.C.C Pavement of M25 grade 121.20m ³ vide TMS P9	
				7657=72	9,28,116=00
(13) 18				Providing & laying of R.C.C M15 grade Ordinary kn stone vide TMS P11	
				1 No. @ 2587=58	2588=00
(14) 19				200m stone	
				4 Nos @ 689=85	2759=00
(15) 20				Boundary Pillar	
				16 Nos @ 538=91	8616=00
					37,77,291=00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			Bf	37.77	291200
(16) 21	Painting 2 coat on new concrete surface (culverts)				
20.64m	vide TMB P11				
108	50				223900
(17) 22	Painting on concrete surface				
40.0m ²	vide TMB P11				
102	88				411500
(18) 23	Road Marking				
137.0m ²	vide TMB P11				
851	79				1,16,69500
(19) 25	Providing & fixing of Information Board				
2 Nos	vide TMB P1				
11406	49				22,81300
(20) 26	Providing & fixing of Maintenance Board				
2 Nos	vide TMB P12				
11406	49				22,81300

Continuation

39,45,96600

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			Pf	39,	45,966=00
(21) 28			Providing & fixing of Retro reflectorised cautionary Board like Mrs P ₁₂ 600mm Δ		
	8 Nos @	3907=68			31,261=00
(22) 29			600mm Circular		
	4 Nos @	5285=42			21,142=00
(23) 30			600mm x 450mm $\square$		
	2 Nos @	4554=14			9108=00
(24) 31			900mm Octagon		
	2 Nos @	8702=83			17,406=00
(25) 33			E/W excavation in Foundn trenches 37.62m ³ vide Mrs P ₃		
	@	258=89			9739=00
(26) 34			Sand fillings in Foundn trench 2.85m ³ vide Mrs P ₃		
	@	429=79			1225=00
					40,35,847=00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(27) 35			B.F	40,35,847=00	
Brick flat soling in founder trenches					
28.64m ² vide TMB P3					
⊙ 291=73					8355=00
(28) 36					
Providing & laying P.C.C M15 in leveling course					
2.64m ² vide TMB P4					
3.52m ² vide TMB P5					
6.16m ² ⊙ 6347=64					39101=00
(29) 37					
Brick Masonry work in C.M (1:4) in headwall					
26.50m ² vide TMB P5					
⊙ 5938=50				1,57,370=00	
(30) 38					
Providing & laying R.C.C NP3 - hume pipe of 1.0m dia					
7.50m ² vide TMB P5					
⊙ 4357=02					32,678=00
(31) 39					
Plastering in CM (1:4) on wall					
33.03m ² vide TMB P6					
⊙ 193=82					6402=00

Continuation

42,79,753=00

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Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
			Rf	42,79,753=00
(32) Providing 1.5 mm thick				
40 Cement Punning				
13.26m ² side TMB Pb				
⑤ 59=73				792=00
				42,80,545=00
0.05% below as per				
Agreement (-)				2140=00
				Rs 42,78,405=00

Material Statement-

(1) Earth - 3049.91m³

(2) local sand - 3130m³

(3) Coarse sand - 65.0m³

(4) Stonechips - 339.19m³

(5) Stonemetry - 535.85m³

(6) Bricks - 14167 Nos

(7) Emulsion SS₁ - 1.581ml -

(8) Emulsion RS₁ - 0.512ml -

(9) Bitumen - 3.533ml -

04/01/2021

J.E

Continuation