

96 SBD / 2020-21 / MMGSY (SC)

PART B — CONS. of R.C.C. Box Bridge 4 cell $7.80 \times 4.0m$ with
Schedule XLY-Form No. 134
Approach Road $\approx 115m$.

Baysi

DIVISION

Dagarwa.

SUB-DIVISION

Date of Agreement - 30-01-2021

Date of completion - 29-01-2022

MEASUREMENT BOOK

MD. FIROZ ALAM

1421 (8)

This is to certify that this M.B
contains 100 (ONE hundred) company
Printed Pages that has been issued
to ASSISTANT ENGINEER R.W.D WORKS
SUB DIVISION, Darganah.

CEH
10/03/21

10.3.21
EXECUTIVE ENGINEER
RWD WORKS DIV BAISI

Sch. XLV - Form No. 134

Baygi DIVISION
Darganah SUB-DIVISION

Measurement Book

No. 1421

Name of officer _____

Date of first entry _____

Date of last entry _____

3rd and final bill

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work:- construction of					
Acc Box Bridge				4m x 8.0m	
14.0m with approach road					
11.5m in Manjara paddy to					
18.5m Vishwas paddy					
Agency:- Md. Firoz Alam					
Ag. no.:- 9651 D 12020-21					
D.O.A:- 30-01-2021					
D.O.C:- 29-01-2022					
Actual dt. of completion:- 23-01-2023					
Record Measurement					
(1) Pls RCC M15 ordinary					
grade levelling					
course below approach					
slab - E.I.					
$2 \times 3.50m \times 8.40m \times 0.15m$					$8.82m^3$
(2) Pls RCC M30 grade					
approach slab					
including reinforcement					
- E.I.					
$2 \times 3.50m \times 8.40m \times 0.30m$					$19.40m^3$
(3) Pls strip steel					
expansion joint					
$2 \times 8.40m$					$16.80m$

Continuation

Abstract of cost

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B.	D.	
(1) E/W in excavation for structure — E.I.T.					
1402.00 m ³ D.V.T.M.B.P. — (17)					
@ 305.423/m ³ — MS.					428203.00
(2) Plv Acc 415 in open foundry — E.I.T.					
75.52 m ³ D.V.T.M.B.P. — (17)					
@ 5530.195/m ³ — MS.					417640.00
(3) Plv Acc 425 in sub structure — E.I.T.					
419.30 m ³ D.V.T.M.B.P. — (17)					
@ 7006.536/m ³ — MS.					293757.00
(4) S/F/P HYS D bar reinforcement in foundry — E.I.T.					
44.027 m.T. D.V.T.M.B.P. — (17)					
@ 56366.537/m.T. — MS.					2481255.00
(5) Plv Deep holes in abutment & A/W — E.I.T.					
68.00 m ³ D.V.T.M.B.P. — (17)					
@ 120.81/m ³ — MS.					8215.00
(6) Plv back filling behind abutment & A/W — E.I.T.					
316.10 m ³ D.V.T.M.B.P. — (18)					
@ 804.58/m ³ — MS.					254454.00

Continuation

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B.	D.	
(7) P/V & Laying filter No. 81a					
81.23 m ² P.V.T.M.B.P. (18)					
@ 3144.245/m ² — MS					255407.0
(8) P/V & Laying RCC M30 in super structure — E.I.T.					
224.10 m ² P.V.T.M.B.P. (18)					
@ 7625.462/m ² — MS					1708866.0
(9) SIFIP HYS bar reinforcement in superstructure — E.I.T.					
25.098 m ² P.V.T.M.B.P. (18)					
@ 57603.057/m ² — MS					1445722.0
(10) P/V & Laying C.C. wearing course M30 — E.I.T.					
19.63 m ² P.V.T.M.B.P. (18)					
@ 13199.495/m ² — MS					259898.0
(11) Construction of RCC Railway M25 in cast-in-situ — E.I.T.					
70.00 m ² P.V.T.M.B.P. (18)					
@ 3073.977/m ² — MS					215178.0
(12) P/V Drains spouts comp.					
16.00 No. P.V.T.M.B.P. (18)					
@ 679.513/each — MS					10872.0

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B.	D.	
(13) plv RCC M15 ordinary grade levelling course below app. slab — E.I.T.					
8.82 m ³ D.V.T.M.B.P. (22)					
@ 54.02.19/m ³ — M.					47647.0
(14) plv RCC M30 grade app. slab — E.I.T.					
19.40 m ³ D.V.T.M.B.P. (22)					
@ 10505.615/m ³ — M.					203809.0
(15) plv strip seat expansion joint — E.I.T.					
16.80 m D.V.T.M.B.P. (22)					
@ 11296.016/m ³ — M.					189773.0
(16) E.I.T. in excavation for structure — E.I.T.					
878.70 m ³ D.V.T.M.B.P. (13)					
@ 305.423/m ³ — M.					268375.0
(17) plv 8 laying boulder apron for bed protection — E.I.T.					
112.80 m ³ D.V.T.M.B.P. (13)					
@ 2983.395/m ³ — M.					336527.0
(18) plv 8 laying flooring laid over c.c. bedding — E.I.T.					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B.	D.	
37.60m ²	N.V. T.M.P. (15)				
	@ 55	25.14/m ²		— PA	207745.00
(15) Plv & laying curbs					
Walls 15					
— E.T.					
215.60m ³	N.V. T.M.P. (15)				
	@ 55	30.195/m ²		— PA	1192310.00
(20) clearing & grubbing					
road land — E.T.					
0.12 Hect. N.V. T.M.P. (15)					
	@ 52	970.33/Hect		— PA	6356.00
(21) construction of					
embankment & wire material					
— E.T.					
3984.42m ³	N.V. T.M.P. (15)				
	@ 190.36/m ³			— PA	758474.00
(22) construction of					
subgrade & shoulder					
— E.T.					
270.83m ³	N.V. T.M.P. (20)				
91.00m ³	" " P. (23)				
361.83m ³					
unit to					
316.322m ³	@ 192.25/m ³			— PA	60813.00
(23) const. of USB by					
plv well graded material					
— E.T.					

Continuation

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
95.01 m ² P.V.T. M.P. (23)					
@ 2770.25/m ² — M.					263204.00
(24) P.V. laying, spreading & compacting W.B.M.					
CR-III — E.T.					
34.03 m ² P.V.T. M.P. (23)					
Unit to 32.99 m ²					
@ 3584.14/m ² — P.S.					118244.00
(25) P.V. & applying primer coat with bitumen emulsion					
CR-1 — E.T.					
453.76 m ² P.V.T. M.P. (24)					
Unit to 439.875 m ²					
@ 44.58/m ² — P.S.					19609.00
(26) P.V. & applying Tack coat with bitumen emulsion (PS-1) — E.T.					
453.76 m ² P.V.T. M.P. (24)					
Unit to 439.875 m ²					
@ 15.41/m ² — P.S.					6778.00
(27) P.V. laying & rolling of close graded premix surfacing material — E.T.					

Continuation

Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
453.76 m ² O.V. T.M.B.P. - (24)				
4 m ² to 439.875 m ²				
@ 205.281 m ² - M.S.				90237.00
(25) Pls & fixing of typical masonry project				
sign board.				
2.00 Nos. O.V. T.M.B.P. - (25)				
@ 9726.03 / each - M.S.				29178.00
(29) Road marking with hot applied thermoplastic compound - E.T.				
23.00 m ² O.V. T.M.B.P. - (25)				
@ 721.95 / m ² - M.S.				16605.00
(30) Pls RCC 415 grade boundary pillar				
155 Nos. O.V. T.M.B.P. - (25)				
@ 520.76 / each - M.S.				80717.00
(31) Pls & laying pitching on S/O.D. - E.T.				
114.90 m ² O.V. T.M.B.P. - (25)				
@ 2983.335 / m ² - M.S.				342792.00
(32) Pls & laying filter material underneath pitching				
34.95 m ² O.V. T.M.B.P. - (25)				
@ 3417.357 / m ² - M.S.				119436.00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B.	D.	
(33) Const. of embankment					
960.00 m ² @ V.T. MBP-65					
@ 190.36/m ² - MS					182745.00
(34) Div & laying NP3					
RCC pipe at 1000 mm					
20.00 m @ V.T. MBP-66					
@ 3562.27/m - MS					71245.00
					MS 150363.00
Add 12% WST (+)					MS 180436.00
Add 1% L.C.S.S (+)					MS 150363.00
					MS 1699108.00
					LE

(1) Earth = 4307 m ² @ 34.51/m ² - 14971.00				
(2) 53mm - 9.5mm = 57.01 m ² @ 620.62/m ² - 3538.00				
(3) 9.5mm - 2.36mm = 22.80 m ² @ 514.58/m ² - 1173.00				
(4) 2.36mm = 34.20 m ² @ 175.80/m ² - 601.00				
(5) 53mm - 2.4mm = 39.92 m ² @ 511.44/m ² - 20412.00				
(6) 11.2mm = 7.32 m ² @ 397.73/m ² - 315.00				
(7) 13.2mm - 0.09mm = 11.88 m ² @ 523.37/m ² - 622.00				
(8) 40mm = 4397 m ² @ 494.15/m ² - 2173.00				
(9) 20mm = 44053 m ² @ 604.91/m ² - 26648.00				
(10) 10mm = 299.69 m ² @ 668.80/m ² - 20043.00				
(11) C. Sand = 457.03 m ² @ 175.80/m ² - 7930.00				
(12) L. Sand = 378.32 m ² @ 141.85/m ² - 5381.00				
(13) Filter media = 97.48 m ² @ 512.06/m ² - 4992.00				
(14) Boulder = 318.36 m ² @ 355.63/m ² - 11323.00				

Continuation

Mathematical Statistics

(1) $ES-1) = 0.3744 \cdot T.$

(2) $(RS-1) = 0.1214 \cdot T.$

(3) $BITON \cdot m = 0.8364 \cdot T.$

(16/01/2023)
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Continuation

Scanned with CamScanner