

Name work - RCC Bridge Near Utkarmit Middle
School Basaha under Western Madhuban Basaha
Panchayat Block - Batpatti

Schedule XLV-Form No.-134
Length of Bridge - 3×18.75 m

आवासीय कार्य विभाग कार्य प्रशिक्षण युक्त DIVISION

आवासीय कार्य विभाग कार्य प्रशिक्षण युक्त SUB-DIVISION
आवासीय

MEASUREMENT BOOK

Agreement No - 75 (SBB)/2019-20

Name of Agency - S.B Engicon Pvt Ltd.

(Jalandhar)

11-2275

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Record measurement					
for 5th and on A/C					
Build before maintenance work started.					
N/W-Const. of L+L Bridge Near					
Utkarmit middle school.					
Basaha under western madhu-					
ban Basaha Panchayat.					
N/Agency - S.B. Engicon Pvt Ltd					
Agreement No. 75 (S90)/2019-20					
Dt. of Start - 27/02/2020					
Dt. of comp - 26/08/2021					
Dt. of measurement					
Actual Dt. of comp					
(Viv) 3/6 and fixing Elasto					
meric Bearing & seismic					
Pad-					
* Abutment Seismic Pad.					
$4 \times 60.0m \times 55.0m \times 5.0m = 66000 m^3$					
* Pier Seismic pad					
$4 \times 60.0m \times 115.0m \times 5.0m = 138000 m^3$					
					204000 m
(2/9) R.C.C. grade 30 in					
Sub-structure complete					
* Beyond 5.0m UPH 10.0m/H.					
$4 \times 0.60m \times 0.65m \times 0.87m = 1.369 m^3$					
$4 \times 0.60m \times 0.65m \times 0.87m = 2.634 m^3$					
					4.003 m ³

15.6.21
Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B.F.		13609.067 ^m
(5/6) Providing and laying of RCC m-15 levelling					
Qty (m) vide TMB P. 65					
38.88 m ³ @ 6330 = 44/m ³					261680 ^m
(5/7) Providing steel reinforcement					
thick for curbs					
Qty (m) vide TMB P. 65					
15.96 m ³ @ 88284 = 16/m ³					1409015 ^m
(5/8) S/L and placing un-coated					
HSSD bar reinforcement					
in foundation					
Qty (m) vide TMB P. 65					
102.25 m ³ @ 76952 = 83/m ³					7868427 ^m
(5/9) RCC grade m-30 in Sub-Structure					
up to 5.0m Ht.					
201.201 m ³ Qty (m) vide TMB P. 65					
1.584 m ³ Qty vide TMB P. 74					
202.785 m ³ @ 8427 = 68/m ³					1709007 ^m
Beyond 5.0m up to 10.0m Ht.					
20.611 m ³ Qty (m) vide TMB P. 65					
1.003 m ³ Qty vide TMB P. 73					
24.614 m ³ @ 8579 = 18/m ³					211168 ^m

Continuation 4 250.68.364^m

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B.F. — 2.50	68.364 = 10
(9/10) S/F and placing HYSD					
bar reinforcement in					
Sub-structure					
Qty (MT) vide TMS P. 66					1406500 = 14065
18.242 MT @ 77102 = 31/MT =					14065
(10/11) Providing weep holes in					
Abutment and P.W.					
Qty (MT) vide TMS P. 66					
62 Nos @ 135 = 21 Each — 1 =					8073 = 10
(11/12) Back filling behind					
Abutment wing wall					
Qty (MT) vide TMS P. 66					
265.33 m ³ @ 776 = 62/m ³ — 1 =					206061 = 10
(12/13) Providing and laying					
filter media with					
Qty (MT) vide TMS P. 66					
93.66 m ³ @ 3094 = 38/m ³ — 1 =					289820 = 10
(13/14) S/F and fixing clastment					
Bearing & seismic pad					
241920.0 cm ³ Qty (MT) vide TMS P. 66					
204000.0 cm ³ Qty vide TMS P. 73					
445920.0 cm ³ @ 1 = 01/cm ³ — 1 =					450379 = 10

627429.197 = 10
Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B.F. —	331	97.862 m
(19/20) Providing pcc m-15					
grade below Approach					
Slab.					
Qty vide TMS P- 70					
8.10 m ² @ 6984 = 56 / m ²					56578 m
(20/21) R.C.C m-30 grade in					
Approach Slab					
Qty vide TMS P- 76					
17.71 m ² @ 11890 = 26 / m ²					210577 m
(21/22) Providing and Laying					
OF Strip Seal					
Qty (P.M) vide TMS P- 68					
33.80 m @ 12353 = 31 / m					417542 m
(22/23) Providing and erecting					
direction and place					
Qty vide TMS P- 82					
3 Nos @ 11409 = 79 Each					34229 m
(23/24) Const. of Embankment					
with approved material					
Qty (P.M) vide TMS P- 68					
600.0 m ³ @ 187 = 51 / m ³					112506 m
					/

Continuation 340, 29, 294 m

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B. 1	340	29,294 m
(24/25) U.S.B. Granular Sub-base					
Qty (900) wide TMS P-68					
44.0 m ³ @ 2216-96/m ³					r = 97,546 m
(25/27) Conducting confirmatory Boring Sampling					
Qty wide TMS P-74 to 75					
90.0 m @ 1000 m/m					r = 90,000 m
(26/28) Vertical Pile Load					
Testing (on working pile)					
Qty wide TMS P-75					
Initial pile load test					
2 Nos @ 90,000 m Each					r = 180,000 m
Routine pile load test					
3 Nos @ 60,000 m Each					r = 180,000 m
(27/29) Providing and Laying					
boulder upon on					
Qty wide TMS P-54					
67.36 m ³ @ 3112-44/m ³					r = 209,654 m
(28/30) Providing and Laying					
Filter material underneath					
Qty wide TMS P-55 to 56					

Continuation

347,86,494 m

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					34786494
					241.724 m ³ @ 3112 = 44 / m ³ = 752351
(29/31) providing and laying filter material					
Qty vide MB-2272 P-55					
96.11 m ³ @ 3267 = 89 / m ³ = 314,000					
(30/32) construction of Embankment with approved material					
Qty vide TMB P-76					
6135.02 m ³ @ 197 = 51 / m ³ = 1150378					
(31/33) W.S.B. construction of granular sub-base					
Qty vide TMB P-76 to 77					
204.76 m ³ @ 3130 = 12 / m ³ = 640923					
(32/34) W.S.B. - providing laying spreading and compacting					
Qty vide TMB P-77 to 78					
71.949 m ³ @ 3562 = 36 / m ³ = 256308					
(33/35) Prime coat - providing and applying primer coat					
Qty vide TMB P-78 to 79					
959.40 m ² @ 51 = 15 / m ² = 49073					

4 37949527

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B. C.		37949527-4
4/30) Tack coat providing and applying tack coat					
Qty vide T.M.B.P. 55					
159.40 m ² @ 16.65 /m ²					15974-20
7/31) Mix Seal Surface providing laying and rolling of close					
Qty vide T.M.B.P. 80					
159.40 m ² @ 236.35 /m ²					226783-10
1/30) Boundary Pillar R.C.C. m. 15					
Qty vide T.M.B.P. 81					
192 Nos @ 55.12 Each					105834-20
3/30) Road marking with Hot applied thermoplastic					
Qty vide T.M.B.P. 90+81					
47.40 m ² @ 850.93 /m ²					40334-10
36/1) Earth work in excavation for structure (kudde well)					
Qty (cm) vide T.M.B.P. 63					
631.942 m ³ @ 135.24 /m ³					73144-20

38417.536-20
Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B. f	384	17 536 m
(39/2) Brick flat soling in foundation					
Qty (pm) vide TMB P. 70					
335.768 m ² @ 289 = 53/m ²					97221 m
(41/3) PCC grade m-15 in open foundation					
Qty (pm) vide TMB P. 70					
50.368 m ² @ 6484 = 44/m ²					326608 m
(41/4) Brick masonry work cm (1:4) in foundation					
670.13 m ² @ 6356 = 66/m ²					4259723 m
(42/5) providing PCC m-20 grade in coping over protection					
Qty (vide TMB P. 81) to 82					
3.543 m ³ @ 7314 = 93/m ²					25917 m
(43/6) providing weepholes in brick masonry work					
Qty (pm) vide TMB P. 70					
400 No @ 130 = 21 Each					52084 m
(44/7) plastering with cm (1:4) on brick work					
Qty vide TMB P. 81					
409.5 m ² @ 202 = 54/m ²					82940 m

43262,155 m
Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		B.f			432 62155 =
i) Less 10% below as per Agreement					4326216 =
					389,35,939 =
ii) Less previous payment					35720197 =
vide T.M.P. - 71					3215742 =
<i>25.06.21</i> <i>25.06.21</i> <i>25.06.21</i> <i>25.06.21</i> <i>25.06.21</i> <i>25.06.21</i>					
<u>material Statement</u> i) Earth work - 6135.02 m³ ii) S/chips - 32.742 m³ iii) Coarse sand - 26.20 m³ iv) Boulder - 101.86 m³ <i>26.6.21</i>					