Name work - RCC Bridge Near Utkarmit middle School Basaha under Western Madhuban Basaha Panchayat Block - Bajpatti

Schedule XLV-Form No.-134

Length of Bridge - 3 x 18.75 m

ग्रामीण कार्य विभाग कार्य प्रमंडल पुपरी DIVISION

ग्रामीण कार्य विभाग कार्य अवर प्रमंडल SUB-DIVISION
बाजपट्टी

MEASUREMENT BOOK

N-2275

Agreement No - 75 (SBD)/2019-20

Name of Agency - S.B Engicon Pvt Ltd.

Sch, XLV-Form No. 134

ग्रामीण कार्य विभाग कार्य प्रमंडल पुपरी DIVISION

ग्रामीण कार्य विभाग कार्य अवर प्रमंडल बाजपट्टी SUB-DIVISION

Measurement Book

No. 2275

Name of Officer सहायक अभियंता

ग्रामीण कार्य विभाग कार्य अवर प्रमंडल बाजपट्टी

Date of first entry _____

Date of last entry _____

1st on A/c Bill.

1

Name of Work - Construction of H.L Bridge
Situation of work - Near Utkarmit middle
Agency by which work is executed - School Basaha
Date of measurement - under western madhuban
No. and date of agreement - Basaha Panchayat
(These four lines should be repeated at the commencement
of the measurements relating to each work) under Nabard

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Block - Barbatti					
N/Agency - S.B Engicon Pvt Ltd.					
Agreement No - 75(SBD)/2019-20					
Dt. of start - 27/02/2020.					
Dt. of comp - 26/01/2021					
Dt. of measurement - 3.3.20 to 28.4.20					
(1/2) Providing and constructing temperory Island of 16.0m dia for.					
		2 Nos			= 2 Nos.
(2/4) Construction of Embankment with approved material obtained. (a)					
Diversion - (2 x 30+20)m x 7.50m x 1.0m					= 600.0 m^3
					600.0 m^3
(3/25) G.S.B-G-II - Const. of Granular (In Diversion) -					
(2 x 30+20)m x 5.50m x 0.10m					= 44.0 m^3
					44.0 m^3

Signed 3-03-20 JE

Continuation

Signed 9.3.20 AE

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	Record measurement				
	For 3rd on A/c Bill				
N/W. Const. of H.L Bridge Near Utkar					
mit middle School Basaha under					
western madhuban Basaha Pan-					
chayat					
N/Agency- S.B Engicon Pvt Ltd.					
Agreement No- 75 (SBD)/2019-20					
Dt. of Start- 27/02/2020					
Dt. of comp- 26/08/2021					
Dt. of measurement-					
(1/9) RCC grade M-30 in					
Sub-Structure. madhuban side-					
→ Return wall- 2 Nos-					
	2 ×	3.82m ×	(0.5m + 0.45m)/2 ×	3.60m =	13.064 m³
→ Abutment Shaft- A1 side.					
	1 ×	8.45m ×	1.0m ×	3.60m =	30.42 m³
					43.484 m³
(2/9) RCC grade M-30 in					
Sub-Structure					
* Pier Shaft – P1					
RCC portion	1	× 7.25m ×	1.15m ×	4.40m =	36.685 m³
Semi circular.	1	× 3.143 ×	0.331 ×	4.40m =	4.577 m³
					41.262 m³

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(3/9) RCC grade M-30 in Sub-Structure					
* Pier Shaft - P2					
Rec. Portion	1	X 7.25m	X 1.15m	X 4.40m	= 36.685 m³
Semi Circular part	1	X 3.143	X 0.33/m	X 4.40m	= 4.577 m³
					41.262 m³
(4/9) RCC grade M-30 in Sub-Structure					
* Return wall - 2 Nos School side					
	2	X 3.70m	X 0.50m	X 3.70m	= 13.69 m³
* Abutment Shaft - A2 side					
	1	X 8.45m	X 1.50m	X 3.70m	= 31.265 m³
					44.955 m³
(5/9) RCC grade M-30 in Sub-Structure					
* Abutment Shaft Cap - A1 side					
	1	X 8.45m	X 1.0m	X 0.30m	= 2.535 m³
					2.535 m³
(6/9) RCC grade M-30 in Sub-Structure					
* Pier Shaft Cap - P1					
Rec. Part -	1	X 7.25m	X 1.25m	X 0.30m	= 2.718 m³
Semi Circular part	1	X 3.143	X 0.391m	X 0.30m	= 0.368 m³
					3.086 m³

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(7/9) RCC grade m-30 in Sub-Structure					
* Pier Shaft Pc side					
Rec part -	1	7.25m	1.25m	0.30m	= 2.718 m³
Semi circular part	1	3.14 3m	0.391m	0.30m	= 0.368 m³
					3.086 m³
(8/9) RCC grade m30 in Sub-structure					
* Abutment Shaft Cap. Pc side					
	1	8.45m	1.0m	0.30m	= 2.535 m³
					2.535 m³
(9/1) Earthwork in excavation for structure.					
* Cuside wall-					
	1	31.50m	3.08 m (W)	1.25m	= 167.359 m³
					167.359 m³
(10/2) Brick Flat Soling in foundation & flooring					
* Cuside wall-					
	1	31.50m	$\frac{3.08m+2.25m}{2}$	m	= 83.947 m³
					83.947 m²
(11/3) PCC grade m-15 in Open foundation.					
	1	31.50m	$\frac{3.08m+2.25m}{2}$	0.15m	= 12.592 m³
					12.592 m³

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(12/4) Brick masonry work in cement mortar (1:4)					
* Guide wall					
1 × 31.50m × (2.68m + 1.73m)/2 + (1.85m + 0.90m)/2 ÷ 2 × 1.50m =					84.577m³
In Sub-structure					
1 × 31.50m × ((1.63m + 0.40m)/2 + (0.80m + 0.40m)/2) ÷ 2 × (4.50m + 2.0m)/2 =					82.667m³
					167.244m³
(13/1) Earthwork in excavation for structure					
* Guide wall.					
1 × 31.50m × 2.85m (4) × 1.725m =					154.861m³
					154.861m³
(14/2) Brick flat soling in foundation & flooring					
* Guide wall.					
1 × 31.50m × (3.08m + 2.25m)/2 =					83.947m²
					83.947m²
(15/3) pcc grade M-15 in open foundation.					
* Guide wall.					
1 × 31.50m × (3.08m + 2.25m)/2 × 0.15m =					12.592m³
					12.592m³

15.6.20

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(16/4) Brick masonry work in cement mortar (1:4)					
* Inside wall					
In foundation					
	1	31.50m	$\left(\frac{2.68m+1.73m}{2}+\frac{1.85m+0.90m}{2}\right)\div 2$	1.50m	= 84.577m³
In Sub Structure	1	31.50m	$\left(\frac{1.63m+0.6733m}{2}+\frac{0.80m+0.4m}{2}\right)\div 2 \times \frac{3.50m+2.0m}{2}$		= 75.868m³
					160.445m³
(17/1) Earthwork in excavation for structure					
* Inside wall					
	1	31.50m × 2 (w)	85m ×	1.725m	= 154.861m³
					154.861m³
(17/2) Brick flat soling in 1 unit					
	1	31.50m	$\frac{3.08+2.25}{2}$ m		= 83.947m²
(18/3) PCC grade M-15 in open foundation.					
* Inside wall					
	1	31.50m	$\frac{3.08m+2.25m}{2}$	× 0.15m	= 12.592m³
					12.592m³
(19/4) Brick masonry work in cement mortar (1:4)					
* Inside wall.					
In foundation.					
	1	31.50m	$\left(\frac{2.68+1.73}{2}m+\frac{1.85+0.30}{2}m\right)\div 2$		
			× 1.50m		= 84.577m³

Continuation

c/o —

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B.F		84.577 m^3
In Sub-Structure					
	1 × 31.50 m ×	$\frac{1.63+0.63}{2}$ m + $\frac{0.80+0.40}{2}$ m) ÷ 2			
		× $\frac{3.50+2.0}{2}$ m		=	75.868 m^3
					160.445 m^3

25-06

20.6.20

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	Abstract of cost for 37th on A/c Bill				
Ref - vide TMB P-39 to 48 and vide MB-2276 P-14 to 23					
Agency - S.B Engicon Pvt Ltd.					
Agreement No. - 75 (SBB)/2019-20					
Dt. of start - 27/02/2020					
Dt. of comp - 26/8/2021					
Dt. of Entry -					
(1/1) E/w in excavation of foundation					
Qty (Prov) vide TMB P-39					
815.154 m³ @ 125=24 /m³					= 102090=00
(2/2) providing and constructing temporary Island					
Qty (Prov) vide TMB P-39					
2 Nos @ 291671=84 Each					= 583344=00
(3/4) Bored cast in situ M-35 grade RCC pile					
Qty (Prov) vide TMB P-39					
546.0 m @ 17205=60/m					= 9394258=00
(4/5) RCC grade M-30 in pile cap - complete					
					= 10079692=00

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B.f--r = 1		00079692 =00
Qty (Prov) vide TMB P-40					
432.20 m³ @ 8166=07/m³ =					3529375=00
(5/6) providing and laying of PCC m-15 levelling					
Qty (Prov) vide TMB P-40					
38.88 m³ @ 6730=44/m³ =					261,680=00
(6/7) providing Steel liner 10 mm thick for cubes.					
Qty (Prov) vide TMB P-40					
15.96 Ton @ 88284=16/Ton =					1409015=00
(7/8) S/F and placing un-coated HYSD bar rein-forcement in foundation					
Qty (Prov) vide TMB P-40 to 41					
102.25 MT @ 76952=83/MT =					7868427 =00
(8/9) RCC grade m-30 in Sub-Structure					
43.484 m³ Qty vide TMB P-43					
41.262 m³ Qty vide TMB P-43					
41.262 m³ Qty vide TMB P-44					
44.955 m³ Qty vide TMB P-44					
2.535 m³ Qty vide TMB P-44					
3.086 m³ Qty vide TMB P-44					
3.086 m³ Qty vide TMB P-45					
					2,31,48,189=00

Continuation

40-

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
		B.F —		23'	48189=00
2.535 m³ Qty vide TMB P. 45					
182.205 m³ @ 427=68/m³				=	1535565=00
(9/10) S/F and Placing HYSD Bar reinforcement in Sub-Structure					
7.266 MT Qty (Pre) vide TMB P-41					
2.315 MT Qty vide MB-2276				P-15	
0.436 MT Qty vide MB-2276				P-16	
0.436 MT Qty vide MB-2276				P-16	
2.315 MT Qty vide MB-2276				P-17	
1.013 MT Qty vide MB-2276				P-19	
0.492 MT Qty vide MB-2276				P-20	
0.492 MT Qty vide MB-2276				P-21	
1.013 MT Qty vide MB-2276				P-23	
15.778 MT @ 77102=31/MT				=	1216520=00
(10/24) Consl. of Embankment with approved material Qty (Pre) vide TMB P-41					
600.0 m³ @ 187=51/m³				=	112506=00
(11/25) G.S.B-Granular Sub-base by providing Qty (Pre) vide TMB P-41					
44.0 m³ @ 2216=96/m³				=	97546=00
				&	2610326=00

Continuation

c/o-

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
		B.F		2.61	10,326
(12/1) Earthwork in excavation for structure (Lavide wall)					
167.359 m^3 @ty vide TMB P-45					
154.861 m^3 @ty vide TMB P-46					
154.861 m^3 @ty vide TMB P-47					
477.081 m^3 @ 125 = 24 /m^3 =					59750
(13/2) Brick Flat Soling in foundation (Lavide wall).					
83.947 m^2 @ty vide TMB P-45					
83.947 m^2 @ty vide TMB P-46					
83.947 m^2 @ty vide TMB P-47					
251.841 m^2 @ 289 = 53/m^2 =					72916
(14/3) PCC grade M-15 in open foundation (Lavide wall)					
12.592 m^3 @ty vide TMB P-45					
12.592 m^3 @ty vide TMB P-46					
12.592 m^3 @ty vide TMB P-47					
37.776 m^3 @ 6484 = 44/m^3 =					244956
(15/4) Brick masonry work in cement mortar (1:4) (Lavide wall) -					
					₹ 2,64,83,948

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B.F	264	87 948=00
167.244 m^3 Qty vide TMS P-46					
160.445 m^3 Qty vide TMS P-47					
160.445 m^3 Qty vide TMS P-48					
488.134 m^3 @ ~~125=24 km~~ 63.56=66/m^3				=	31 02 902=00
			L	2.95	90 850=00
i) Less 10% below as per Agreement				1295	9085=00
				266	31765=00
ii) Less previous payment vide TMS P-41 to 42				200.00000=00 1815	86619=00
				663	1765=00

23-06-20 26.6.20 AE

material Statement

i) stone chips - 197.98 m^3

ii) coarse sand - 216.14 m^3

iii) Bricks - 252 126 Nos.

23-06-20 26.6.20 AE