

MILS - I

PART

Rajol Bahara road to
Amorpara

Luule XLV-Form No. 134

amrpara bahara road to amorpara - 91366 DIVISION

amrpara bahara road to amorpara SUB-DIVISION

MEASUREMENT BOOK

21.9.85 → Amrit Rajt construction

784

784

समाप्ति नमा जाता है कि वह
 मासिक में कुल 100 (एक सौ) पृष्ठ अंकित
 हैं, जिसमें सहायक अभियन्ता मासिक का समाप्ति
 नाम और दिनांक दिया
 जाते हैं।

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 कार्यपालक अभियन्ता
 मासिक का समाप्ति
 नाम और दिनांक (अभियन्ता)
 दिनांक

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2nd MC Bill

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of Work - Const of H.L.R.C.C.					
Bridge in between Rajoi					
Baraha Road to Amarpura					
Under MMGSY scheme.					
Agency - Anant Raj Construction					
Agreement No - 308BD/MMGSY/SC/					
				2021-2022	
Date of Work Order - 25-08-2021					
Date of Completion - 24-08-2022					
Agreement value - 5,68,48,131 = W					

Record Entry

Item No

(10) Supplying fitting and
Placing HYSD bar reinfor
Cement (Fe 415) in substructure
Comp as per drawing
For Abutment (A)
For Abutment shaft (B)

Up to date Measurement

Vertical Main bar (Earth Face)
(bar No - 110)

20mm ϕ 150mm C/C

57 Nos $\times$ 7.443 m = 424.25m

@ 2.46 Kg/m

1043.66 kg

- (A)

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Vertical Main bar (River face)					
(bar No 110 (a))					
$\phi 16\text{mm} \phi @ 150\text{mm c/c}$					
57 Nos $\times 7.443\text{m} = 424.25\text{m}$					
@ 1.58 kg/m				6	70.316 kg
Main bar both Side Face					-(B)
(bar No 110)					
$\phi 20\text{mm} \phi @ 150\text{mm c/c}$					
2 $\times$ 8 Nos $\times 7.443\text{m} = 119.088\text{m}$					
@ 2.46 kg/m				292.956 kg	-(C)
Distribution bar					
(bar No 111)					
$\phi 16\text{mm} \phi @ 150\text{mm c/c}$					
2 $\times$ 25 Nos $\times 10.550\text{m} = 527.50\text{m}$					
@ 1.58 kg/m				833.45 kg	-(D)
Link bar					
(bar No - 112)					
10mm ϕ					
180 No $\times 1.350\text{m} = 243.00\text{m}$					
@ 0.620 kg/m				150.66 kg	-(E)
For Return wall					
Vertical Main bar					
(bar No 124)					
12mm $\phi @ 150\text{mm c/c}$					
96 Nos $\times 7.300\text{m} = 700.80\text{m}$					
@ 0.89 kg/m				623.712 kg	-(F)

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Junction vertical bar (bar No - 127)					
16mm ϕ					
$2 \times 4 \text{ Nos} \times 7.30 \text{m} =$			58.40m		
@ 1.58 kg/m —			92.272 kg	(G)	
Horizontal binder bar (Earth Face) Up to abt Cap in R/W					
(bar No - 126)					
20mm ϕ @ 125mm c/c					
$74 \text{ Nos} \times 5.862 =$			433.788m		
@ 2.46 kg/m —			1067.118 kg	(H)	
Horizontal binder bar opposite Earth Face					
20mm ϕ @ 125mm c/c					
$74 \text{ Nos} \times 5.862 =$			433.788m		
@ 0.89 kg/m —			386.071 kg	(I)	
Total HYSD reinforcement for Abt shaft & R/W					
A + B + C + D + E + F + G + H + I					
$1043.66 + 670.316 + 292.956 +$					
$833.45 + 150.66 + 623.712 +$					
$92.272 + 1067.118 + 386.071 =$			5160.212 kg		
			or		5.160 MT
Less Previous Qty vide TMB page (13)					
Item No (2/10) —				(-)	1.838 MT
					3.322 MT
Summary 9/4/2022 J.E				Qty 9/4/22 AB	

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Record Entry</u>					
Item No					
(2/13) p/v weep holes for Abt					
in Abt shaft 2 R/w					
in Abt shaft -					
1x 26 No -					26 Nos
in R/w					
2x 22 No -					44 Nos
					70 Nos
Item No					
(3/8) p/v R.C.C. M30 grade					
in substructure up to					
5m Length Comp as per T/S					
For Abutment shaft					
1x 8.450x1.200x3.980 =					40.36m ³
For R/w					
2x 3.50m x 0.475(av) x 3.980 =					13.23m ³
					53.59m ³
Signature					
11/4/2022					
J.E					
<u>Record Entry</u>					
Item No (4/10) supplying filling					
and placing HYSD bar reinf					
Cement (Re 415) in substructure					
Complete as per drawing					
and T/S -					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
For Abutment cap (1)					
Bottom bar in abt cap					
(bar No 114)					
✓ 16mm ϕ					
6 Nos $\times$ 9.750m = 58.50m					
@ 1.58 kg/m —			92.43 kg		(A)
Top bar in abt cap					
(bar No 114)					
✓ 16mm ϕ					
6 Nos $\times$ 9.750m = 58.50m					
@ 1.58 kg/m —			92.43 kg		(B)
Side Face Longitudinal Direction					
(bar No 114)					
✓ 16mm ϕ					
4 Nos $\times$ 10.55m = 42.20m					
@ 1.58 kg/m —			66.67 kg		(C)
✓ 6L Stirrup bar					
(bar No 113)					
16mm ϕ @ 150mm c/c					
✓ 57 Nos $\times$ 11.55m = 658.35m					
@ 1.58 kg/m —			1040.193 kg		(D)
For Ditch wall					
Vertical main bar in earth Face					
(bar No 115)					
12mm ϕ @ 150mm c/c					
✓ 57 Nos $\times$ 4.381m = 249.717m					
@ 0.89 kg/m —			222.248 kg		(E)

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Vestical bar in opposite both face					
(bar No - 117)					
12mm ϕ @ 150mm c/c					
57 Nos $\times$ 4.569m = 260.433m					
@ 0.89 kg/m				231.785 kg	(F)
For Pedestal					
Longitudinal Direction					
(bar No M2)					
16mm ϕ @ 150mm c/c					
3 $\times$ 6 Nos $\times$ 1.362m = 24.516m					
@ 1.58 kg/m				38.73 kg	(G)
Transverse Direction					
(bar No - M1)					
16mm ϕ @ 150mm c/c					
3 $\times$ 6 Nos $\times$ 1.362m = 24.516m					
@ 1.58 kg/m				38.73 kg	(H)
For Mass					
8mm ϕ					
3 $\times$ 2 Nos $\times$ 23.30m = 139.80m					
@ 0.39 kg/m				55.22 kg	(I)
Total #YS reinforcement in abutment, Ditch wall & Pedestal					
A+B+C+D+E+F+G+H+I					
92.43+92.43+66.67+1040.193+					
222.248+231.785+38.73+38.73					
+ 55.22 =				1878.43 kg	
				or 1.878 MT	

At Kumar
14/4/2022
J.E

Continuation
15/4/22
AF

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Record Entry					
Item No					
(5/80) Plv R.C.C. in 30 grade					
in Sub Structure up to 5m					
Length Comp as per TLS					
For Abutment (1)					
1 X 8.45m X 1.79m X 0.80 =					12.10m ³
Atman					
15/1/2022					
J.E					
Record Entry					
Item No					
(70) Supplying, fitting					
and placing HYSD bars for					
Concrete in Sub structure comp					
For Abutment (1)					
For RB - 1					
Vertical bar at bearing face					
(bar No M 5)					
32mm ϕ					
2 X 4 No 8 X 1.535m =					12.28m
@ 6.32kg/m — 77.60kg - (A)					
Vertical bar opposite bearing face					
16mm ϕ					
2 X 4 No 8 X 1.932m =					15.46m
@ 1.58kg/m — 24.43kg - (B)					
For R.B - 2					
Vertical bar at bearing face					
(bar No - M 13)					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
25mm ϕ					
3X5Nos X 2.347 = 35.20m					
@ 3.85kg/m					135.52kg - (C)
Vertical bar opposite bearing face					
(bar No - 114)					
25mm ϕ					
3X5Nos X 2.735m = 41.03m					
@ 3.85kg/m					157.96kg - (D)
Total HYSD reinforcement in RB 1 and RB 2 for Abt 1					
A+B+C+D					
77.60 + 24.43 + 135.52 + 157.96 = 395.51kg					
					or 0.395MT
As per drawing					As per drawing
Record Entry					
Item No (16) Supplying, fitting and placing HYSD bar reinforcement (Fe 415) in sub structure Comp as per draw & T/S					
For Pair Shaft - (1)					
Up to date Measurement					
Vertical bar					
(bar No 207)					
25mm ϕ					
43Nos X 8.723m = 375.08m					
@ 3.85kg/m					1444.05kg - (A)
Binder bar					
(bar No - 208)					

Continuation

Particulars	Details of actual measurement				Contents of area
	No	L	B	D	
16mm ϕ @ 150mm/c					
30 Nos $\times$ 6.169m = 185.07m					
@ 1.58 kg/m			292.41 kg		(B)
Total reinforcement for					
Peir Shaft					
A + B					
1444.05 + 292.41 = 1736.46 kg					
			or	1.736 MT	
Less Previous Qty vide TMB page (5)					
Item No (2/10)				0.829 MT	
				0.907 MT	
Asman					
19/11/2022					
J.E.					

Record Entry.

(8) p/v R.C.C. M30 grade
in sub structure up to
5m length comp as per T/S
For Peir shaft (10)
1 $\times$ 4.683 $\times$ 3.14 $\times$ 1.10 $\times$ 1.10 = 17.79 m³

~~Asman~~
~~19/11/2022~~
~~J.E.~~

~~Asman~~
~~19/11/2022~~
~~J.E.~~

Record Entry
Item (10) Supplying fitting and
Placing HYSD bar reinforcement
is sub structure comp as per drawing
and T/S
For Peir cap (1)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Bottom bar along length of peir cap					
(bar No 211)					
✓ 20mm ϕ 125mm c/c					
21 Nos $\times$ 9.803m = 205.863m					
@ 2.46 kg/m —					506.42 kg (A)
Bottom bar along width of peir cap					
(bar No 212)					
✓ 20mm ϕ 125mm c/c					
63 Nos $\times$ 5.287m = 333.081m					
@ 2.46 kg/m —					819.38 kg (B)
Top bar along length of peir cap 1st layer					
(bar No 209)					
✓ 25mm ϕ 125mm c/c					
21 Nos $\times$ 9.500 = 199.50m					
@ 3.85 kg/m —					786.07 kg (C)
Top bar along length of peir cap 2nd layer					
(bar No 210)					
25mm ϕ 125mm c/c					
✓ 21 Nos $\times$ 9.200m = 193.20m					
@ 3.85 kg/m —					743.82 kg (D)
Around bar in rectangular					
portion in peir cap					
(bar No 213)					
✓ 20mm ϕ @ 125mm c/c					
8 Nos $\times$ 20.60m = 164.80m					
@ 2.46 kg/m —					405.41 kg (E)

Continuation

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Record Entry					
Item No. (10) (222) P/V R.C.C. M30					
Grade in substructure					
Upto 5m length comp as					
per 7/5					
Trapezoidal for Rein cap (1)					
$1 \times 4.90 \times 2.305 \times 0.317 =$					3.58 m^3
Item No. (11) (822) P/V R.C.C. M25					
Grade in substructure upto 5m					
to 10m comp as per 7/5					
For Rein cap - (1)					
Trapezoidal Position					
$1 \times 4.90 \times 2.305 \times 0.483 =$					5.46 m^3
rectangular position					
$1 \times 7.80 \times 2.61 \times 1.10 =$					20.36 m^3
					25.82 m^3
Amount 24/4/2022					
J.E					
Signature					
24/4/22					
AR					
Record Entry					
Item No. (12) (10) Supplying fitting and					
Placing HYSD bar reinforcement					
in substructure comp as					
per drawing and 7/5					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
For Pedestal in part (D)					
Bar Along with traverse direction					
(bar No M1)					
16mm ϕ 150mm/c					
6x6 Nos x 1.362m = 49.03m					
@ 1.58kg/m — — 77.47kg — (A)					
Bar along with longitudinal direction					
(bar No M2)					
16mm ϕ @ 150mm/c					
6x6 Nos x 1.362m = 49.03m					
@ 1.58kg/m — — 77.47kg — (B)					
For Mess					
bar No M3					
8mm ϕ					
6x2x23.30m = 297.60m					
@ 0.39kg/m — — 116.06kg — (C)					
For R.B.I (Seismic reaction block)					
Vertical bar at bearing Face					
(bar No M5)					
32mm ϕ					
4x4 Nos x 1.535 = 24.56m					
@ 6.32kg/m — — 155.22kg — (D)					
Vertical bar opposite bearing Face					
(bar No M4)					
16mm ϕ					
4x4 Nos x 1.932 = 30.91m					
@ 1.58kg/m — — 48.84kg — (E)					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
For R.B-3 (Seismic reaction Block)					
Vertical bar at bearing face					
(bar No M-9)					
✓ 32mm ϕ					
3x5 Nos x 3.121 = 46.82m					
@ 6.32kg/m —					295.90kg (P)
Total reinforcement for SD bar					
In Pedestal, Mass RB1 & RB3					
A+B+C+D+E+F					
77.47+77.117+116.56+					
155.22+48.34+295.90					
= 770.96 kg					
					or 0.170MT

As per
28/4/2022
J.E

As per
28/4/22

Record Entry

AR

Item No (13/a) p/v R.C.C. M35 grade

in substructure from

5m to 10m comp as per

diag 2-T/S

~~For~~ Pedestal for Abt-1

3x No 0.870 x 0.870 x 0.150 (av) = 0.34m³

Pedestal for Reirap 1 both side

2x 3 Nos x 0.870 x 0.870 x 0.150 (av) = 0.68m³

1.02m³

As per
27/4/2022
J.E

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Record Entry</u>					
Item No (14) Supplying fitting					
and fixing in position					
true to line and level					
POT-PTFE bearing					
Comp as per drawing					
For Abt 1 & Pier (1) For 1st Span					
PTFE-1X 3 Nos					3 Nos
POT-1X 3 Nos					3 Nos
					6 Nos
<u>Adm No</u>					
29/4/2022					
JIE					

<u>Record Entry</u>					
Item No (15) Supplying fitting					
and placing HYSD bars					
reinforcement in Superstructure					
for Girder & Cross Girder					
Comp as per drawing					
For Girder For Span-1					
P ₁ 28mm ϕ					
18 Nos X 20.460m = 368.28m					
@ 4.83 kg/m					1779.121
P ₂ 28mm ϕ					
10 Nos X 20.46m = 204.60m					
@ 4.83 kg/m					988.104
Q ₁ 28mm ϕ					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
6 Nos X 21.928m = 131.57m					
@ 4.83 kg/m					635.10 kg
Q2 28mm ϕ					
4 Nos X 20.162m = 80.65m					
@ 4.83 kg/m					390.10 kg
Q3 28mm ϕ					
4 Nos X 17.842m = 71.45m					
@ 4.83 kg/m					345.10 kg
Q4 28mm ϕ					
4 Nos X 15.404m = 61.62m					
@ 4.83 kg/m					298.10 kg
Q5 28mm ϕ					
4 Nos X 12.944m = 51.76m					
@ 4.83 kg/m					250.10 kg
Q1 28mm ϕ					
2 Nos X 21.77m = 43.54m					
@ 4.83 kg/m					210.10 kg
Q2 28mm ϕ					
2 Nos X 19.162m = 38.32m					
@ 4.83 kg/m					185.10 kg
Q3 28mm ϕ					
2 Nos X 15.704m = 31.41m					
@ 4.83 kg/m					152.10 kg
S1 16mm ϕ					
6 Nos X 19.240m = 115.44m					
@ 1.58 kg/m					183.10 kg

If

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
S ₂ 16mm ϕ					
6 No X 19.26m = 115.56m					
@ 1.58 kg/m					183. w/kg
T ₁ 6mm ϕ					
66 No X 19.26m = 1271.16m					
@ 0.22 kg/m					280.55 kg
T ₂ 6mm ϕ					
6 No X 19.27m = 115.62m					
@ 0.22 kg/m					25. w/kg
U ₁ 10mm ϕ					
146 No X 8.372m = 1213.55m					
@ 0.62 kg/m					752 kg
U ₂ 10mm ϕ					
36 No X 8.560m = 308.16m					
@ 0.62 kg/m					191. w/kg
U ₃ 10mm ϕ					
195 No X 1.558m = 303.81m					
@ 0.62 kg/m					188. w/kg
U ₄ 10mm ϕ					
83 No X 8.328m = 691.22m					
@ 0.62 kg/m					429. w/kg
U ₅ 10mm ϕ					
18 No X 8.576m = 154.37m					
@ 0.62 kg/m					96. w/kg
V 6mm ϕ					
65 No X 1.035m = 67.28m					
@ 0.22 kg/m					15. w/kg

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
W 6 mm ϕ					
130 Nos $\times$ 0.750 m = 97.50 m					
@ 0.21 kg/m					21.00 kg
A 6 mm ϕ					
12 Nos $\times$ 7.740 m = 92.88 m					
@ 0.22 kg/m					20.00 kg
					765.00 kg
For Cross Girder for span 1					
a ₁ 16 mm ϕ					
8 Nos $\times$ 5.646 m = 45.17 m					
@ 1.58 kg/m					71.00 kg
a ₂ 12 mm ϕ					
4 Nos $\times$ 5.438 m = 21.75 m					
@ 0.87 kg/m					19.00 kg
a ₃ 20 mm ϕ					
6 Nos $\times$ 6.38 m = 38.28 m					
@ 2.46 kg/m					95.00 kg
a ₄ 20 mm ϕ					
6 Nos $\times$ 6.38 m = 38.28 m					
@ 2.46 kg/m					95.00 kg
b ₁ 12 mm ϕ					
4 Nos $\times$ 7.544 m = 30.18 m					
@ 0.89 kg/m					27.00 kg
b ₂ 12 mm ϕ					
4 Nos $\times$ 7.588 m = 30.35 m					
@ 0.89 kg/m					27.00 kg
b ₃ 20 mm ϕ					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
4 Nos $8 \times 8.135m = 32.54m$					
@ $2.46kg/m$					80.10 kg
C ₁ 16mm ϕ					
8 Nos $8 \times 7.10m = 56.80m$					
@ $1.58kg/m$					88 kg
C ₂ 12mm ϕ					
20 Nos $8 \times 5.518m = 110.36m$					
@ $0.89kg/m$					98.10 kg
C ₃ 20mm ϕ					
6 Nos $8 \times 7.10m = 42.60m$					
@ $2.46kg/m$					103.10 kg
d ₁ 10mm ϕ					
24 Nos $8 \times 2.936m = 70.46m$					
@ $0.62kg/m$					44.10 kg
d ₂ 10mm ϕ					
44 Nos $8 \times 5.572m = 245.17m$					
@ $0.62kg/m$					152.10 kg
e ₁ 6mm ϕ					
24 Nos $8 \times 5.250m = 126.00m$					
@ $0.22kg/m$					28.10 kg
B 6mm ϕ					
16 Nos $8 \times 2.93m = 46.88m$					
@ $0.22kg/m$					10.10 kg
					937.10 kg
Total HYSD bar reinforcement					
for Girder 2 Cross					
Girder					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
7615.10 kg + 937.10 kg					
= 8552.10 kg					
At 15.100 kg + 428.10 kg					
E. Laps					
					8980.10 kg
					8.980 MT
Akumar 14/5/2022 J.E.					
Record Entry.					
Item No (16) P.V. and laying					
R.C.C. M30 grade for					
Superstructure for					
Girder & Cross Girder					
Comp as per drawing					
For Long Girder portion					
3 Nos x 19.32 x 0.550 + 0.330 x 0.150 = 15.30 m ³					
For Long Girder					
3 Nos x 19.32 x 0.330 x 1.175 = 22.47 m ³					
For Cross Girder					
4 Nos x 2.500 x 0.330 x 1.175 = 3.88 m ³					
					41.65 m ³

Akumar 14/5/2022 J.E.					
Record Entry.					
Item No (17) Supplying filling and					
placing H.V.S.D. bar & infill					
Cement in Superstructure					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
For slab comp after drawing and T/S					
For Deck slab Step (1)					
✓ a 12mm @					
81 Nos $\times$ 7.252m = 587.41m					
@ 0.89 kg/m					523.0 kg
✓ b 12mm @					
88 Nos $\times$ 5.300m = 466.40m					
@ 0.89 kg/m					415.0 kg
✓ c 12mm @					
84 Nos $\times$ 5.300m = 445.20m					
@ 0.89 kg/m					396.0 kg
✓ d 16mm @					
176 Nos $\times$ 2.325m = 409.20m					
@ 1.58 kg/m					647.0 kg
✓ e 8mm @					
156 Nos $\times$ 1.850m = 288.60m					
@ 0.40 kg/m					115.0 kg
✓ f 8mm @					
22 Nos $\times$ 19.60m = 431.20m					
@ 0.40 kg/m					172.0 kg
✓ g 8mm @					
24 Nos $\times$ 19.512m = 468.29m					
@ 0.40 kg/m					187.0 kg
✓ h 8mm @					
24 Nos $\times$ 19.270m = 462.48m					
@ 0.40 kg/m					185.0 kg

Continuation

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	J.	D.	
Comp as per drawing 27/15					
For Deck Slab 51m (1)					
$1 \times 20.30 \times 8.45 \times 0.215 = 36.88 \text{ m}^3$					
For kerb					
$2 \times 20.30 \times 0.460 \times 0.300 = 5.60 \text{ m}^3$					
					12.48 m ³
Assumed 15/5/2022 J.E.					
Record Entry					
Item No 19					
(10) Supplying, fitting and					
Placing HYSD bars reinforcement					
in sub structure as per					
drawing 27/15					
For Peir Shaft (2)					
up to date Measurement					
Same Qty of HYSD bars reinforcement					
in Peir Shaft - Item No (7)					
(16)					
(10) Vide TMB Page (31) —					0.90 TMT
Assumed 17/5/2022 J.E.					
Record Entry					
Item No 20					
(22) P.V R.C.C. M30 grade					
in sub structure up to					
5 m length Comp as per					
drawing 27/15					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	H.	
For Pair shaft (2)					
$1 \times 4.683 \times 3.14 \times 1.10 \times 1.10 = 17.79 \text{ m}^3$					
Summary 20/8/2022 J.E					
Record Entry					
Item No (21)					
Supplying fitting and Placing HYSD bar reinforcement in sub structure comp as per drawing & TLS					
For Pair cap (2)					
Same Qty of Item No (9)					
Vide m Bridge (33)					4.203 MT
Summary 22/8/2022 J.E					
Record Entry					
Item No (22)					
PLY R.C.C. M30 grade in sub structure up to 5 m length comp as per TLS					
For Pair cap (2)					
Trapezoidal Portion					
$1 \times 4.90 \times 2.305 \times 0.317 = 3.58 \text{ m}^3$					
Item No (23)					
PLY R.C.C. M35 grade in sub structure up to 5 to 10 m comp as per TLS					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
For pair cap-②					
Trapezoidal Portion					
$1 \times 4.90 \times 2.305 \times 0.483 =$					$5.46 m^3$
Rectangular Portion					
$1 \times 7.80 \times 2.61 \times 1.10 =$					$20.36 m^3$
					$25.82 m^3$
A Kumar 22/5/2022 J.E					
Record Entry,					
Item No (24/10) Supplying, fitting and					
placing HYSD bar reinforcement					
for substructure comp					
as per drawing 24/15					
For Pedestal, Mess RB1					
and RB3 for pair cap ②					
Same Qty HYSD bar reinforcement					
for Pedestal, Mess, RB1 & RB3					
of Item No (12/10) vide MB					
Page No 36					0.770 MT
A Kumar 25/5/2022 J.E					
Record Entry.					
Item No (25/9) Plv R.C.C. M35 grade					
in substructure forms					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
to 10m length comp as per draw & T/S					
Pedestal for Peir (2) both side					
2X3Nos x 0.870 x 0.870 x 0.150 (4w) = 0.68 m ³					
Annex 27/5/2022 J.E					
Record Entry					
Item No (26) Supplying fitting and fixing in Position true to line and level POT					
PTFE bearing comp as per draw & T/S					
For Peir (2) for 2nd span					
POT 1X3No —					3Nos
PTFE 1X3No —					3Nos
					6Nos
Item No (27) Supplying fitting and placing HYSD bar reinforcement in Super structure for Girder and Cross Girder for span 2 comp as per draw & T/S					
For Girder ^{2 Cross Girder} Span (2)					
Same Total Qty of HYSD bar inc. Girder					
2 Girder for Span (2) Item No					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(15) vide MB Memo					
(42)					8.980 MT

A Kumar
01/11/2022
J.E

A Kumar
21/11/22
AR

Record Entry

Item No (28) 16 Plv and laying

R.C.C. M30 grade in

Super structure for

Girder & Cross Girder

for Span 2 Comp as per

drawn & etc

For Long Girder Hatch Portion

$3 \text{ Nos} \times 19.32 \times 0.55 + 0.33 \times 0.600 = 15.30 \text{ m}^3$

For Long Girder

$3 \text{ Nos} \times 19.32 \times 0.30 \times 1.175 = 22.47 \text{ m}^3$

For Cross Girder

$4 \text{ Nos} \times 2.500 \text{ m} \times 0.30 \times 1.175 = 3.88 \text{ m}^3$

41.65 m^3

A Kumar
21/11/2022
J.E

A Kumar
21/11/22

Material Statement

Stone chip - 10mm - 102.92 m^3

Stone chip - 20mm - 154.97 m^3

Stone chip 40mm - 0.612 m^3

Coarse sand - 286.62 m^3

A Kumar
21/11/2022
J.E

Continuation

Particulars	Details of actual measurement			Contents of area
	No. of L.	B.	D.	
Abstract of cost				
1) Plv earthwork in excavation for foundation				
981.75 m ³ vide MB page (18)				
@ Rs 310 = 73/m ³ — Rs 305059 = 10				
2) Plv laying of P.C.C. M15 Grade leveling course				
42.29 m ³ vide MB page (18)				
@ Rs 4943 = 77/m ³ — Rs 209072 = 10				
3) Plv R.C.C. M30 grade in pile cap				
465.42 m ³ vide MB page (18)				
@ Rs 5703 = 38/m ³ — Rs 2664700 = 10				
4) Bored cast in situ M35 Grade R.C.C.				
716.40 m vide MB page (18)				
@ Rs 14867 = 59/m — Rs 10646626 = 10				
5) Supplying fitting and placing MYSO bar				
97.905 m ³ vide MB page (19)				
@ Rs 54032 = 97/M ³ — Rs 5290114 = 10				
6) Plv steel lining 6 mm thick				
9.60 m ³ vide MB page (19)				
@ Rs 67013 = 91/M ³ — Rs 355334 = 10				
7) Plv and cost temporary Earth Island				

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
3 Nos vide TMB Page (19)					
@ Rs 57769 = 52/each - Rs 173309 = 0					
(8) p/v const of one span					
Service Road to each Island					
75.00 m vide TMB Page (20)					
@ Rs 3692248/m - Rs 276936 = 0					
(9) Supplying fitting and placing HYSD bar in substructure					
6.163 MT vide TMB Page (20)					
3.322 MT vide TMB Page (25)					
1.878 MT vide TMB Page (28)					
0.395 MT vide TMB Page (30)					
0.907 MT vide TMB Page (31)					
4.203 MT vide TMB Page (33)					
0.770 MT vide TMB Page (36)					
0.907 MT vide TMB Page (45)					
4.203 MT vide TMB Page (46)					
0.770 MT vide TMB Page (47)					
23.518 MT					
@ Rs 54195233/MT - Rs 1274570 = 0					
(10) p/v R.C.C. M30 grade in					
(82) Substructure upto 5m					
53.59 m ³ vide TMB Page (26)					
12.10 m ³ vide TMB Page (29)					
17.79 m ³ vide TMB Page (31)					
3.58 m ³ vide TMB Page (34)					
3.58 m ³ vide TMB Page (46)					
17.79 m ³ vide TMB Page (46)					
108.43 m ³					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
@ B 5955=51/m ³ — Rs 645					75620
(11) P.V. R.C.C. M30 grade in					
(822) Substructure 4/105m to 10m					
25.82 m ³ vide TMB Page (34)					
25.82 m ³ vide TMB Page (47)					
51.64 m ³					
@ B 6026=95/m ³ — Rs 311					23120
(12) P.V. R.C.C. M35 grade					
(9) in substructure					
1.02 m ³ vide TMB Page (36)					
0.68 m ³ vide TMB Page (48)					
1.70 m ³					
@ B 6111=29/m ³ — Rs					1038920
(13) Supplying PCF - RTFE					
(11) bearing					
6 Nos vide TMB Page (37)					
6 Nos vide TMB Page (48)					
12 Nos					
@ B 44998=84/each — Rs 53998620					
(14) P.V. Weepholes					
(13) 70 Nos vide TMB Page (26)					
@ B 132=03/each — Rs 924220					
(15) P.V. and Laying R.C.C.					
(16) M30 grade in Super Structure					
41.65 m ³ vide TMB Page (42)					
42.48 m ³ vide TMB Page (45)					
41.65 m ³ vide TMB Page (49)					
125.78 m ³					

Continuation

Continuation