

MR ROAD YUSUFPUR TO MAC AREA BARHARWA
RA

Schedule XLV-Form No. 134 (hen)
YUSUFPUR

ग्रामीण कार्य विभाग कार्य प्रमंडल पुपरी **DIVISION**

ग्रामीण कार्य विभाग कार्य भवर प्रमंडल **SUB-DIVISION**
बाजपट्टी

MEASUREMENT BOOK No-2505

संपेदक :- विनोद कुमार / मुजफ्फरपुर विनोद कुमार

1st on A/c Bill

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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.	
N/W:- Constr. of Road and					
CD works with maintenance					
for MR Road Yusufpur					
to MAC Area Barharwa					
Yusufpur under mandy					
N/Agency:- Binmlesh Kumar					
at Belahi Lachhi Po-					
Simlaipatti PS- Munger					
Muzaffarpur					

Agreement no - 65 SBD of 2021-22

Date of Start:- 23-11-2021

Date of Completion - 22-05-22

Work Done

(1/2) 1/2 2 Fixing of working
benchmark pillar

(a) Working benchmark
Pillar

Qth = 0.7 km

(b) Reference pillar

Qth = 0.7 km

(2/3) clearing & grubbing

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Road Land etc.					
$2 \times 700m \times 3.5m = 4900m^2$					
$4900/10000 = 0.4917$					
					$Q_{H1} = 0.4917$
(3/4) Excavation for Road					
in soil using manual					
means etc.					
$2 \times 23 \times 30m \times 0.525 \times 0.12 = 72.45m^3$					
$2 \times 10m \times 0.525 \times 0.12 = 1.05m^3$					
					$Q_{H1} = 73.5m^3$
(4/5) Constr. of embankment					
with material obtained					
from borrow pit etc.					
Lead 100m Lead					
Q_{H1} taken 40%					
approximately of total					
Q_{H1}					
$Q_{H1} = 592.17 \times 40\%$					
$\frac{236.86}{17.12} = 236.86m^3$					
					$Q_{H1} = 236.86m^3$
(5/7) Constr. of granular					
sub-base by providing					
well graded material					
etc.					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Widening	2 X	23 X 30m	X	0.525 X 0.1	= 72.45 m ³
Profile correction	30 X	1.5m X 1.5m	X	0.1m	= 6.75 m ³
	10 X	2m X 1m	X	0.1m	= 2 m ³
	14.5m X	1.8m	X	0.1m	= 2.61 m ³
	15m X	2m	X	0.1m	= 3 m ³
	11m X	1.85m	X	0.1m	= 2.03 m ³
	10m X	1.9m	X	0.1m	= 1.9 m ³
	2 X	15m X 1.2m	X	0.1m	= 3.6 m ³
	2 X	8.5m X 1m	X	0.1	= 1.7 m ³
	9.5m X	2.2m	X	0.1m	= 2.09 m ³
Full width	23 X 30m	X	4.05 X 0.1m		= 2279.45 m ³
					Q _H = 377.58 m ³

(6/8) P/v, laying, spreading
2 compacting of WBM-3
etc.

$$16 \times 30m \times 3.75 \times 0.075 = 135 m^3$$

$$20m \times 3.75m \times 0.075 = 5.62 m^3$$

$$Q_H = 140.62 m^3$$

(7/22) P/v & fixing of typical
masonry informative sign
board etc

$$Q_H = 2 \text{ No.}$$

(8/23) Earth work in excavation

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
For foundation of structure					
etc.					
H.W	2	6.45	1.4	1.5	27.03 m^3
Below pipe -	1	4.05	1.53	0.36	2.70 m^3
					$\Phi H = 29.8 \text{ m}^3$
(3/24) P/s PCC M-15 Concrete					
for Plain concrete in					
open foundation etc.					
H.W	2	6.45	1.4	0.15	2.7 m^3
Below Pipe	1	4.931	1.53	0.25	1.88 m^3
Less for Pipe -		0.25	0.785	1.23	$0.45 = -1.63 \text{ m}^3$
					$\Phi H = 2.96 \text{ m}^3$
(10/25) P/s Concrete for Plain					
Concrete in open foundation					
etc.					
H.W -	2	6.15	0.825	2.58	26.18 m^3
Parapet	2	6.15	0.4	0.8	3.33 m^3
Less for Pipe	2	0.7057	1.23	0.622	-1.478
					$\Phi H = 28.63 \text{ m}^3$
(11/28) P/s & Laying RCC					
Pipe NP-3 for culverts					
		3	2.5		7.5
					$\Phi H = 7.5 \text{ m}^3$

Continuation

10.02.22
JE

10.02.22
AB

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>ABSTRACT OF COST</u>					
(1/2) P/v 2 fixing of working benchmark pillar					
① Working benchmark pillar					
Q ₁₄ vide TMB P-1					
				Q ₁₄ = 0.7 km	
@ ₹ 4015 = 4/km ———				₹ 2810200	
② Reference pillar					
Q ₁₄ vide TMB P-1					
				Q ₁₄ = 0.7 km	
@ ₹ 1845 = 08/km ———				₹ 129200	
(2/3) clearing & grubbing Road Land etc.					
Q ₁₄ vide TMB P-1/2					
				Q ₁₄ = 0.43 km	
@ ₹ 52970 = 33/km ———				₹ 2595500	
(3/4) Excavation for Roadway in Soil using Manual Meas					
Q ₁₄ vide TMB P-2					
				Q ₁₄ = 73.5 m ³	
@ ₹ 75 = 57/m ³ ———				₹ 555400	
(4/5) Cost of embankment with					

Continuation

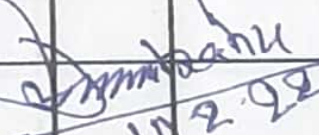
Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
for foundation of structure					
etc.					
Q _H vide TMB P-3/4					
Q _H = 23.8 m ³					
@ ₹ 273 = 03/m ³					₹ 8316 = 00
(3/24) P/o PCC m-15 Concrete					
for plain concrete in					
open foundation etc.					
Q _H vide TMB P-4					
Q _H = 2.36 m ³					
@ ₹ 5928 = 24/m ³					₹ 17547 = 00
(10/25) P/o Concrete for plain					
concrete in open foundation					
etc.					
Q _H vide TMB P-4					
Q _H = 28.63 m ³					
@ ₹ 6482 = 65/m ³					₹ 185598 = 00
(11/26) P/o 2 layering RCC MP-3					
for culvert on first					
class bedding etc.					
Q _H vide TMB P-4					
Q _H = 7.5 m					
@ ₹ 2576 = 16/m					₹ 19321 = 00
					Total = ₹ 1883116 = 00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				BF =	1883116=00
Add 1% L/cess				=	18831=00
Add 12% HST				=	225973=00
Add S/Fee				=	30290=00
				BF =	2158210=00
Less 2.15% below as per agreement				=	46401=00
				Net =	2111809=00
Don't 10-07-22 JE				10-07-22 AB	

CSD

 10-2-22