

Chandi Sthan & Bhaisaonda to Jagannathpur
03/SBD/2023-24

Schedule XLV-Form No. 134.

Govera

DIVISION

3 Komar Infrastructure & Service Pvt Ltd
SUB-DIVISION

1459

Measurement Book

1.

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 measurements relating to each work).

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	1st on A/c Bill Head (mmwy)				
N/W	Chandi ghan se Bharaula				
	to Jagas Nath Pura under				
	Gurua Block.				
Agency	J. Kumar Construction & Services				
	PVT. LTD.				
Agreement No.	03/SB/2023-24				
date of agreement	19-07-2023				
date of completion	18-7-2024				
below	10%.				

(1)	Selfing out pillars				
	Branch work - do - do.				
	03 Nos.				
(1/ii)	Reference rollers				
	do - do -				
	05 Nos.				
(2/2)	clearing & grubbing				
	road landr also				
	2x10x30m x 3.00 =	1800m ²			
	2x5x30m x 3.00 =	900m ²			
	2x3x30m x 3.00 =	540m ²			
	2x10x30m x 3.00 =	1800m ²			
	2x10x30m x 3.00 =	1800m ²			
	2x5x30m x 3.00 =	900m ²			
	2x2x30m x 3.00 =	360m ²			
	2x1x25m x 3.00 =	150m ²			

Continuation T 8250m²

say 0.83 hect.

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			Bf qty =		
Change	Area	Mean C/S Area	Distance		Volume
650M	1.264	0.00	50.	=	0.00
750M	1.562	1.464	50	=	73.20m ³
750M	1.582	1.575	50	=	78.725m ³
800M	1.530	1.556	50	=	77.80m ³
850M	1.562	1.546	50	=	77.30m ³
900M	1.650	1.606	50	=	80.30m ³
950M	1.558	1.604	50	=	80.20m ³
1000M	1.596	1.577	50	=	78.85m ³
1050M	1.533	1.565	50	=	78.225
100M	1.489	1.565	50	=	75.550
1150M	1.604	1.597	50	=	77.325
1200M	6.750	4.177	50	=	208.850
			Total B/W =		4109.375m ³
deduction -	G.S.B.	(-)	694.663m ³		
	INBmhr-3	(-)	394.450m ³		
	Subgrade & shoulder	(-)	1918.150m ³		
	Cement concrete	(-)	51.020m ³		
	cutting qty used in emb.	(-)	180.9m ³		
	Net B/W qty =	T =	510.192		
	510.192	80%	= 408.158m ³		
	heaved up to 1000m	60%	= 245m ³		
	heaved up to 100m	40%	= 163m ³		
(N/A)	10.10.2023	10.10.2023			

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
600 mm dia HP culvert					
(9/25) E/W in excavation in foundation - do do					
H/W = $2 \times 3.90 \times 1.50 \times 1.50 = 13.45 \text{ m}^3$					
below pipe $1 \times 5.350 \times 1.130 \times 0.36 = 2.207 \text{ m}^3$					
					15.661 m ³
Buy 3 nos HP culvert $\times 15.661 \text{ m}^3 = 46.986 \text{ m}^3$					
(10/26) providing MIS grade PCC as leveling course do do					
H/W = $2 \times 3.90 \times 1.50 \times 0.150 = 1.345 \text{ m}^3$					
Below pipe: $1 \times 5.311 \times 1.130 \times 0.250 = 1.50 \text{ m}^3$					
					Total = 2.850
Buy 3 nos $\times 2.850 \text{ m}^3 = 8.55 \text{ m}^3$					
(11/27) plain/reinforced concrete Corsette in substructure do					
H/W = $2 \times 3.60 \times 0.70 \times 2.780 = 14.011 \text{ m}^3$					
parapet $2 \times 3.60 \times 0.40 \times 1.20 = 2.073 \text{ m}^3$					
Access pipe: $2 \times 0.7857 \times 0.830^2 \times 0.530 = 0.574 \text{ m}^3$					
					T = 13.44 m ³
Buy 3 nos hp culvert $\times 13.44 \text{ m}^3 = 40.32$					
(12/28) providing & laying MP3 HP pipe do do					
$3 \times 2.50 \text{ m} = 7.50 \text{ m} \times 3 = 22.50 \text{ m}$					
(10/29) 20.12.2023					
11/30 20.12.2023					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	Abstract of cost -				
(1)	Setting out pillar				
	Benchmark dundo				
	Qty vide Tmp-1				
	item no 2				
	0.3 Nos @ 4285.30/each = 1285.50				
(1)(ii)	Reference pillar.				
	do do				
	Qty vide Tmp P.1				
	item 1(i)				
	5 Nos @ 1981.32/each = Rs. 9906.60				
(2)	Clearing & Grubbing				
	for each line area				
	Qty vide Tmp P.1				
	item no. 2				
	0.83 Hect @ 72639.95/Hect = 60291.20				
(3)	Excavation in soil				
	using Hydraulic Excavator				
	do do				
	Qty vide Tmp P. 2				
	item no. 3				
	301.5 M ³ @ 100.17/M ³ Rs. 30211.20				
(4)	Embankment				
	const. of embankment				
	with approved materials				
	for using cutting soil do				
	Qty vide Tmp P. 2 item 4				
	180.9 M ³ @ 58.54/M ³ Rs. 10597.20				

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Particulars	Details of actual measurement			Contents of area
	No.	L.	B. D.	
			DP 15	2092715
(9/9)	1MBM-hr-3 material			
	also qty vide			
	211.375 m ³ TMB p. 6 item no 14			
	+ 16.875 m ³ side TMB p. 7			
	+ 158.906 m ³ qty vide TMB p. 7 item no 14			
	387.176 m ³ @ 3204.91 m ³ /k. 1240864			
(10/14)	Qty of un-reinforced			
	CCP - chole			
	qty vide TMB p. 7			
	item no. 15			
	486.98 m ³ @ 7127.53/m ³ 3470965			
(11/15)	providing & fixing			
	log of road of masonry			
	also qty vide			
	TMB p. 7 item no 17			
	2 nos @ 5624.36/each : 11249 =			
(12/25)	erosion excavation			
	in found ² also			
	Qty vide TMB p. 5			
	item no. 9			
	46.98 m ³ @ 383.28/m ³ k. 1800.6 =			
(13/26)	providing PCC High grade			
	in benching concrete			
	Qty vide TMB p. 5			
	item no 10			
	8.55 m ³ @ 6045.42/m ³ k. 51688 =			

Continuation T: 6885467:

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			DF	AC	6885487
(14/27) plain/reinforced cement concrete in slab structure					
Qty of cement m ³ - 5					
item no. 11					
40.32 m ³ @ 7005.45/m ³ =					282581
(15/28) painting and laying damp proof course					
RCC pipe N ₁₃ - 600					
Qty of cement m ³ - 5					
item no. 12					
22.5 m @ 3113.57/m =					70055
(16/30) E.C. in expansion joint for drain channel					
Qty of cement m ³ - 8					
item no. 19					
152 m ³ @ 383.28/m ³ =					58259
(17/31) painting plaster cement concrete in open					
founder chales					
Qty of cement m ³ - 9					
item no. 20					
12.1125 m ³ @ 6045.42/m ³ =					73225
(18/32) formwork and plaster					
Reinforced cement concrete					
msg grade in superstructure					
Qty of cement m ³ - 7					
item no. 22					
43.5625 m ³ @ 7713.60/m ³ =					336023

Continuation P = 7705610 =

Continuation