

Somar-Kharwar House to Sura's Nurmur House -  
Makarmani Road in Khair

Head-MHQS (SC)

# Measurement Book

Schedule XLV-Form No. 134

R. W D (w) Jany

DIVISION

Khair

SUB-DIVISION

M B No. 2939

M B - 2939.

Abhishek Kumar Singh  
22-12-22 (SBD) / 22-1-22  
22-12-22

Abhishek Kumar Singh

2nd on A/E Bill

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work - construction of Road from					
Soman kharmar house to Suroj marmar					
house markarmar					
Agreement No - 17 (SBD)/2020-21					
Name of Agency - Sri Abhishek Kumar Singh					
AT - Shivrandh, Kalyanpur, P.O + P.S + Dist -					
JAMH					
Date of commencement of work - 07/10/2021					
Date of completion of work - 06/10/2022					
Agg. construction cost - ₹ 91,55,794.00					
Agg. maintenance cost - ₹ 19,42,246.00					
Total - ₹ 1,11,03,040.00					
Date of actual measurement					
Description of item					
① Providing, laying, spreading and					
compacting stone Aggregate of specific					
Size to WBM	- do	- do	- do	- do	all complete
job as per B/E					
Part A'	1x15x	$\frac{8.40+4.05}{2}$	x 0.075	=	7.00 M <sup>3</sup>
	10x	30x	3.75 x 0.075	=	84.38 M <sup>3</sup>
	5x	30x	3.75 x 0.075	=	42.19 M <sup>3</sup>
	5x	30x	3.75 x 0.075	=	42.19 M <sup>3</sup>
	1x15x	$\frac{3.90+4.60+4.00}{3}$	x 0.075	=	4.69 M <sup>3</sup>
	10x	30x	3.75 x 0.075	=	84.38 M <sup>3</sup>
	5x	30x	3.75 x 0.075	=	42.19 M <sup>3</sup>
	4x	30x	3.75 x 0.075	=	33.75 M <sup>3</sup>
				(A) Total =	340.77 M <sup>3</sup>

Continuation

B/F A<sub>1</sub> = 340.77 M<sup>2</sup>

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Part B	1 x 15	6.30 + 4.65		0.075	5.79 M <sup>2</sup>
	10 x	30 x	3.75	0.075	84.38 M <sup>2</sup>
	4 x	30 x	3.75	0.075	33.75 M <sup>2</sup>
	1 x 15	4.25 + 5.70 + 4.15		0.075	5.29 M <sup>2</sup>
	2 x	30 x	3.75	0.075	16.88 M <sup>2</sup>
			Part (B)		146.09 M <sup>2</sup>
	Total Q <sub>1</sub> = A + B				
	= 340.77 M <sup>2</sup> + 146.09 M <sup>2</sup>				
	= 486.86 M <sup>2</sup>				
	R.C.C. slab culvert (1.50 M x 1.50 M)				

② Earthwork in excavations for structure as per drawing

Abutment	2 x	9.100 x 2.140 x 1.600	= 62.317 M <sup>3</sup>
Retain wall	4 x	1.760 x 1.920 x 1.600	= 21.627 M <sup>3</sup>
			Q <sub>1</sub> 83.944 M <sup>3</sup>
Floor under deck slab	1 x	7.70 x 0.100 x 0.200	= 0.154 M <sup>3</sup>
			Q <sub>1</sub> 83.79 M <sup>3</sup>
for 10% Q <sub>1</sub> extra for slope			⊕ 8.379 M <sup>3</sup>
			Q <sub>1</sub> 92.169 M <sup>3</sup>

③ Sand filling in foundation trench

as per drawing - do - do - all complete job

Floor under deck slab	1 x	7.700 x 1.171 x 0.100	= 0.902 M <sup>3</sup>
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④ Providing M<sub>15</sub> in foundation - d. -

- d. - all complete job

Abutment	2 x	8.300 x 1.640 x 1.400	= 38.114 M <sup>3</sup>
Retain wall	4 x	1.760 x 1.420 x 1.400	= 13.996 M <sup>3</sup>
			Q <sub>1</sub> 52.11 M <sup>3</sup>

Continuation



Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
ABSTRACT OF COST (2 <sup>nd</sup> on A/E R/11)					
(1) Piv and fixing of working bench					
mark Pillars					
Qty vide Page No (5) in TMB					
16M No (1)					
@ 31024 = 68 KM	1.950 KM				Rs 60498 =
(2) clearing and grubbing Road Land					
- do - do - all complete job					
Qty vide Page No (5) in TMB					
16M No (2)					
@ 51137 = 38 Hg	0.68 Hg				Rs 34973 =
(3) construction of embankment					
with approved material for 100M					
Qty vide Page No (5) in TMB					
16M No (3)					
@ 148 = 89 M <sup>3</sup>	1.924 WM <sup>3</sup>				Rs 286464 =
(4) construction of subgrade & earth					
shoulder with approved material					
- do - do - all complete job					
Qty vide Page No (6) in TMB					
16M No (4)					
@ Rs 192 = 13 M <sup>3</sup>	4500.45 M <sup>3</sup>				Rs 864671 =
(5) construction of congregate sub					
base for - do - do - all complete job					
Qty vide Page No (6) in TMB					
16M No (5)					
@ 1650 = 84 M <sup>3</sup>	1594.78 M <sup>3</sup>				Rs 2632727 =
(6) Piv, laying, spreading and compact					
stone dgs. (w/BM No 11) - do - do - all					
complete job					
					Rs 3879133 =

Continuation



Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(12/30) Providing M20 pcc in foundry - do - do - all complete job					
Qty vide Page No (11) in IMB IGN No (C) @ B 4689 = 39/m <sup>2</sup> 52.110 m <sup>2</sup>					R 244,364.00
(12/31) Providing in M20 concrete in sub structure - do - do - all complete job as per E1)					
Qty vide Page No (11) in IMB IGN No (C) @ 5068 = 88/m <sup>2</sup> 26.094 m <sup>2</sup>					R 132,269.00
					R 55,520,332.00
Add. GST @ 12% (+)					R 6,66,244.00
Add. cess @ 1% (+)					R 55,520.00
					R 62,73,797.00
Add. signature fee @ 1% of contract cost (+)					R 1,56,198.00
					R 64,29,995.00
Less - 18.99% as per Agreement (-)					R 12,21,056.00
					R 52,08,939.00
Deduct previous payment (Page No (8) in IMB) (-)					R 37,48,841.00
					R 14,60,098.00
Depto 18/04/2022 5 E					
Card 4 25/4/22					