

CHANDRANT RAI KE GHAR TO
PURVI TO

Measurement Book

Schedule XLV-Form No. 134

2020-21
BENIOUR

MANHSY-SC
DIVISION

BENIOUR

SUB-DIVISION

SUDHIR KUMAR JHA

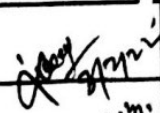
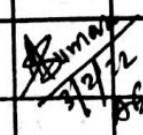
N.B No. 1174

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	G/L on Arch 6/11				
Name of work - Constn of road from chowds					
Kant Ray ke ghar to Purvitar					
Ghiuram under MM 957 (Sc)					
Agency's name - Sudhir K. J. S.					
Assn No. - 105 BD/2020-21					
Assn. value - Rs. 27599017/-					
Date of start - 16/6/2020					

① Div Gr II to - d - d					
Infile correction	6x	5	$\times 1.30 \times 0.1 =$	3.9	
	2x6x	30x	$0.525 \times 0.2 =$	37.8	
	6x	30x	$3.0 \times 0.1 =$	54	
	11x	6.95	$+ 4.45 \times 3.25$		
			$\frac{3}{3} \times 0.1 =$	5.55	
	7x	30x	$3.25 \times 0.1 =$	78.25	
	1x	29x	$3.25 \times 0.1 =$	10.88	
					190.887

② Div work Gr III to - d - d					
	15x	30x	$3.25 \times 0.075 =$	126.5673	

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
As per J.C.					
① Clearing & grubbing sand land - 8 1/2 side F.B. 24 ft - (1)					
0.91 Hect. of 51133.76 / Hect - 8.					49600
② Const. of embankment with 1000 ft 8 1/2 side F.B. 24 ft - (2)					
2568.03 m ³ of 139.85 ft ³ - 8.					3591392
③ Const. of embankment with 1000 ft 8 1/2 side F.B. 24 ft - (3)					
1100.59 m ³ of 175.22 ft ³ - 8.					192845
④ Excavation for roadwork 8 1/2 side F.B. 24 ft - 4					
47.25 m ³ of 76.16 ft ³ - 8.					35042
⑤ Filling of 8 ft 8 in. do. do. 8 1/2					
8 1/2 side F.B. 25 ft - (5) -					138.78
8 1/2 side F.B. 28 ft - (1) -					190.88
					1547.66
1547.66 m ³ of 12850.09 ft ³ - 8.					4410970
⑥ Filling of 8 ft 8 in. do. do. 8 1/2					
8 1/2 side F.B. 25 ft - 6					50171
8 1/2 side F.B. 28 ft - (2)					126.56
					628.27
628.27 m ³ of 3604.72 ft ³ - 8					2264737
⑦ Filling of 8 ft 8 in. do. do. 8 1/2					
8 1/2 side F.B. 25 ft - 7					
446.76 m ³ of 7116.41 ft ³ - 8.					3179327

Continuation

10460122

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑧ PIV 7.14 AT P.C. PORT 147 SB - 8.75 side 7.5 P. 25 - 8					
2 No. of 9435.93/140					1887200
⑨ E/W encroachment in front door L					
20 8.75 side 7.5 P. 25 - 9					
113484 ³ of 269.32/14 ³					3056200
⑩ PIV 8/12 encl. (1.14) 274/12 door					
23 8.75 side 7.5 P. 25 - 10					
97.254 ³ of 5811.63/14 ³					56518100
⑪ PIV ROOM 14.75 P. 25 - 11					
8.75 side 7.5 P. 25 - 11					
24 6000sq ft - 22.57 of 1580.18/14					5805400
25 16000sq ft - 157 of 3570.35/14					5355500
⑫ PIV 10.15 encl. 14.75 P. 25 - 12					
22 8.75 side 7.5 P. 25 - 12					
10.754 ³ of 5618.45/14 ³					6039800
⑬ PIV 12.14 encl. 14.75 P. 25 - 13					
21 8.75 side 7.5 P. 25 - 13					
13.574 ³ of 453.29/14 ³					615000
					1125289400
Material statement					135034700
Stone Metal - 3147					11252900
C/S and - 6943					
More Sereachp - 317					14688400
					1286265400

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Record Measurement</u>					
Name of work - Const. of road from chandrasekhar					
Rwy. K. R. R. to Amirtha					
(Shivaram) under area 9541.51					
Agency's name - Sudhar K. R. R.					
Agr. No. - 10 SAB/20-21-22					
Agr. value - Rs. 225990/17					
Date of work - 16/6/2020					
① Self-suff. pillar Const. of road 200m					
3Mm					
② Const. of Ref. of pillar/bars - 11M.					
③ Const. of embankment with					
approved material do - 11					
Gravels 1104891.5					
④ - 4891.5					
(a) for 100m load - 70% of 4891.5 = 3424.05					
less 100m load - 2568.03					
8560.243					
(b) for 100m load - 30% of 4891.5 = 1467.45					
less 100m load - 1100.59					
366.8643					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
④ PIV G.B. 90 I do - do - do					
	20	$\frac{8.20 + 4.70 + 4.25}{3}$		$\times 0.1$	11.3
	27	20	$\times 0.525$	$\times 0.1$	2.1
	30	$\left\{ \frac{4.70 + 4.05}{2} - 4.05 \right\}$		$\times 0.2$	1.95
	15	$\left\{ \frac{4.55 + 4.05}{2} - 4.15 \right\}$		$\times 0.2$	0.75
					16.10 m ²
24/8/22 N/A	24/8/22 N/A				
⑤ PIV W.B. 117 I do - do - do					
	15	$\frac{7.90 + 4.40 + 3.75}{3}$		$\times 0.075$	6.02
	30	$\frac{4.40 + 3.75}{2}$		$\times 0.075$	9.17
	15	$\frac{3.75 + 4.15}{2}$		$\times 0.075$	4.5
	47	30	$\times 3.75$	$\times 0.075$	33.75
	17	20	$\times 3.75$	$\times 0.075$	5.63
					59.07 m ²
24/8/22 N/A	24/8/22 N/A				
⑥ PIV Prime canal - do - do - do					
	15	$\frac{7.90 + 4.40 + 3.75}{3}$			80.25
	6	30	$\times 3.75$		67.5
	14	30	$\times 3.75$		157.5
	17	15	$\times 3.25$		56.25
	17	20	$\times 3.20$		64

Continuation

2450.54

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	27	30	3.75	=	225
	17	20	3.75	=	75
	17	30	$\frac{4.404 + 3.75}{2}$	=	122.25
	17	20	3.75	=	75
	17	25	3.20	=	80
	12	30	3.75	=	1350
	17	15	3.75	=	56.25
	15	$\frac{3.75 + 4.25}{2}$		=	60
	27	30	3.75	=	3037.5
	17	25	3.25	=	93.75
					7625.25

~~Area~~ ~~51.812~~ ~~Area~~ ~~51.812~~
~~Area~~ ~~51.812~~ ~~Area~~ ~~51.812~~
 (7) Riv. Trench (b) 20' x 12'
 Area same as per item (6) 7625.25 m²

(8) Riv. Trench (c) 20' x 12'
 Area same as per item (7) 7625.25 m²

~~Area~~ ~~51.812~~ ~~Area~~ ~~51.812~~
~~Area~~ ~~51.812~~ ~~Area~~ ~~51.812~~
 (9) Const. of sub grade 2 ft/s 20' x 12'
 $2 \times 10 \times 30 \times \frac{0.9 + 1.3}{2} \times 0.295 = 194.7$
 $2 \times 11 \times 30 \times \frac{1.1 + 1.4}{2} \times 0.295 = 243.37$
 $2 \times 20 \times 30 \times \frac{1.2 + 1.5}{2} \times 0.295 = 477.9$
 $2 \times 26 \times 30 \times \frac{1.5 + 1.55}{2} \times 0.295 = 621.27$

Continuation

1537.247

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	248	30	$\frac{0.2409}{2}$	$\times 0.335$	128.64
	2737	30	$\frac{0.5407}{2}$	$\times 0.335$	36.18
					1702064
(10) <u>Plaster K. e. f. on wall (11.4) m²</u>					
	27	4.20	2.20		18.48
	27	8.20	2.20		36.08
	27	13.10	2.60		68.12
	3747	0.47	0.60		2.88
					125564

<u>less HF.</u> - $372 \times \frac{1}{4} (0.6)^2 = 1.70$					
$272 \times \frac{1}{4} (1)^2 = 3.14$					
4.84					
<u>Net B/f</u> - 120.72					

(11) <u>Plaster 2 coat over K. e. f. on wall</u>					
	27	4.20	1.60		13.44
	27	8.20	1.60		26.24
	27	13.10	1.60		41.92
	37	47	0.47	0.60	2.88
					84.48

Scanned with CamScanner

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	Abstract of cost				
① Clearing 29 m ² road and 28 m ² 3					
Qty side 74 B P. 29 m ² - ①					
0.974 m ² of 51133 761 Met B.					49600
② Const. of embankment with 100 m ² 5(ii)					
Qty side 74 B P. 29 m ² - ②					258803
Qty side 74 B P. 32 m ² - 3(4)					856.02
					3424.05
3424.05 m ² of B. 139.85 / m ² - B.					47885
③ Const. of embankment with 100 m ² 5(ii)					
Qty side 74 B P. 29 m ² - ③					1100.59
Qty side 74 B P. 32 m ² - 3(4)					366.86
					1467.45
1467.45 m ² of B. 175.22 / m ² - B.					257127
④ Excavating for road and 29 m ² 4					
Qty side 74 B P. 29 m ² - 4					
47.25 m ² of B. 74.16 / m ² - B.					3504
⑤ PIV 48 B for 2 40 - 40 - 40 5					
Qty side 74 B P. 29 m ² - ⑤					1547.66
Qty side 74 B P. 33 m ² - ④					16.10
					1563.76
1563.76 m ² of B. 2850.09 / m ² - B.					445685
⑥ PIV 48 B for 2 40 - 40 - 40 8					
Qty side 74 B P. 29 m ² - ⑥					628.27
Qty side 74 B P. 33 m ² - ⑤					59.07
					687.34
687.34 m ² of B. 3604.72 / m ² - B.					2477668

Continuation

7723609

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(7) River channel bed to bed 12 8 ft wide T.D.P. 298 (7) 446.76 m ³ eb. 7116.41/m ³ — B. 317932720					
(8) River bed to typical depth 5 B. bed 15 8 ft wide T.D.P. 304-8-2 8 ft wide T.D.P. 36 (13) — 1 3 3 No. eb. 9435-93 / No. — B. 2830820					
(9) E.W. in encroachment of tank bed 20 8 ft wide T.D.P. 304- (9) 113.48 m ³ eb. 269.32/m ³ — B. 305620					
(10) River bed to 1.14 m high bed 23 8 ft wide T.D.P. 304-10 97.25 m ³ eb. 5811.63/m ³ — B. 56518120					
(11) River channel bed to 1.2 8 ft wide T.D.P. 304- (11)					
(12) River bed to 1.5 m high bed 22 8 ft wide T.D.P. 304-12 10.75 m ³ eb. 5618.45/m ³ — B. 603980					
(13) 1st class bed to 1.5 m high bed 21 8 ft wide T.D.P. 304-13 13.57 m ³ eb. 453.20/m ³ — B. 615000					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(14) Self-erecting pillar for 2nd floor 8th side 74.8 p. 32 24- (1)					
3 N. eb. 374.95 / No — B. 11925					
(15) Const. 2 reference pillars/basis 8th side 74.8 p. 32 24- (2)					
11 N. eb. 1833.47 / No — B. 20168					
(16) Riv. base cap - do - 2nd 9 8th side 74.8 p. 33 24- (2)					
7625.25 N ² eb. 44.53 / N ² — B. 339552					
(17) Riv. base cap - do - 2nd 10 8th side 74.8 p. 34 24- (3)					
7625.25 N ² eb. 15.15 / N ² — B. 115523					
(18) Riv. base cap - do - 2nd 11 8th side 74.8 p. 34 24- (8)					
7625.25 N ² eb. 24.91 / N ² — B. 1676869					
(19) Const. 2 base 2nd floor 2nd floor 6 8th side 74.8 p. 34 24- (9)					
1702.06 N ³ eb. 176.86 / N ³ — B. 301028					
(20) Riv. base cap - do - 2nd (11.4) 2nd floor 26 8th side 74.8 p. 35 24- (10)					
120.72 N ² eb. 174.79 / N ² — B. 2110120					
(21) Paint 2 cap over all 2nd floor 27 8th side 74.8 p. 35 24- (11)					
84.48 N ² eb. 128.04 / N ² — B. 1081720					

Continuation

14202125

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Continuation