MM/SS/Y

Jaitya ouxar path to
Nema Bigha hote Howe

Schedule XLV-Form No. 134

Jharkhand Astham Tak

कार्यपालक अभियन्ता, ग्रामीण कार्य विभाग कार्य प्रमंडल — DIVISION
प्र० - दाउदनगर

सहायक अभियन्ता, कार्य प्रम० प्र० - गोह — SUB-DIVISION

MEASUREMENT BOOK

733

संवेदक → Sharwan & Sunny Con, Pvt. Ltd.

Sch. XLV - Form No. 134

Executive Engineer DIVISION
R.W.D. Dayal-nagar

~~Assistant Engineer~~ SUB-DIVISION
R.W.D - Gion

Measurement Book

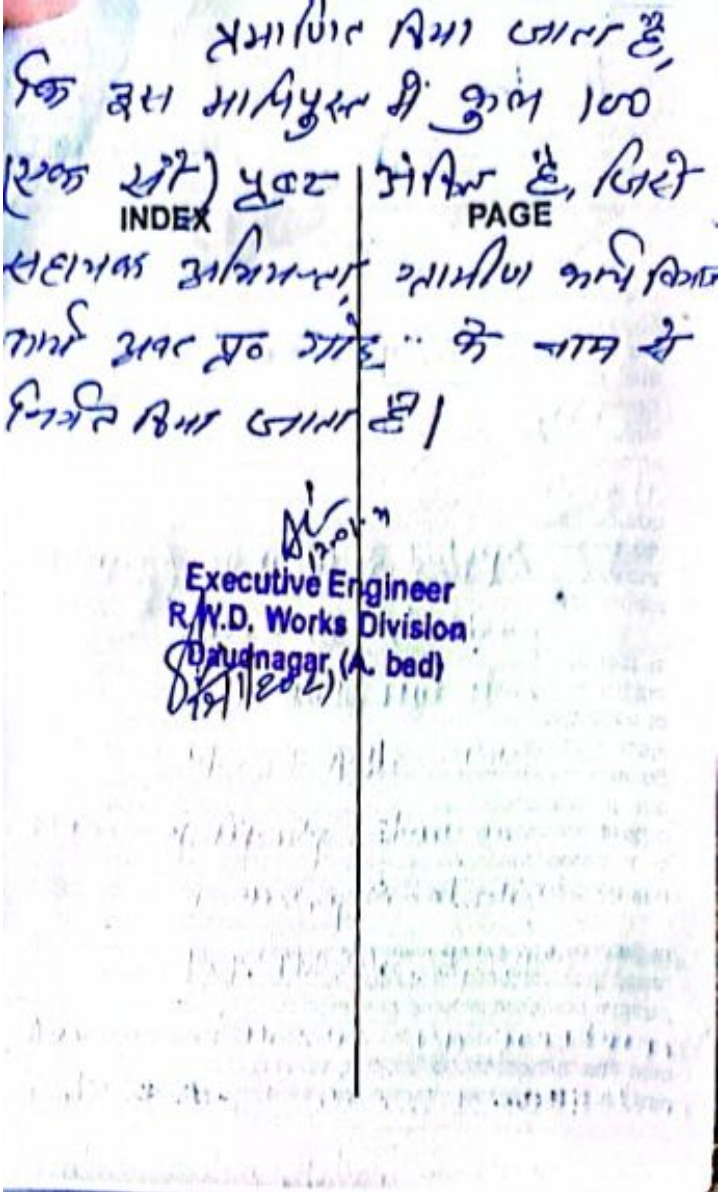
No. 733

Name of Officer _____

_____

Date of first entry _____

Date of last entry _____



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Executive Engineer
R.W.D. Works Division
Osmanabad (A. bad)

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1st on A/c Bill

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 measurement relating to each work)

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Name of work :- Jatiya Buxer Path to Nama Bigha Hole Hue Jharkhand Asthan Tak.					
Name of Agency :- Sharvan & Sunny Construction Pvt. Ltd. Aurangabad.					
Agreement No :- 25 SBD 2021-2022					
Date of Commencement - 25/06/2021					
Date of Completion - 24/06/2022					
Date of Measurement - 07/05/2022					
Work done details					
(1/1) Providing & Fixing of working bench mark Pillars Qty 2 Nos.					
Reference Pillars Qty 5 Nos					
(2/2) clearing and Grubbing Road land etc					
do-do- all Comp. Job.					
	2	15	30	3.50	= 3150 m²
	2	12	30	3.50	= 2520 m²
	2	14	30	3.50	= 2940 m²

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	2	5	30	3.50	= 1050 m²
					9660 m²
					= 0.966 Ha.
(3/3)	Box Cutting : Excavation for roadway etc complete all Comp.				
	2	9	30	0.525 × 0.100	= 28.35 m³
	2	11	10	0.525 × 0.100	= 1.05 m³
	2	11	30	0.375 × 0.100	= 24.75 m³
	2	9	30	0.375 × 0.100	= 20.25 m³
					74.40 m³
(4/4)	Construction of embankment with material etc complete all Comp.				
	60% Qty from excavated material.				
	60% of 74.40 m³				
	= 44.64 m³				
(5/5)	Construction of embankment with approved material etc complete all Comp. job.				
	E/w Calculation as per graph.				

CH (m)	Area m²	Mean Area m²	length m	Quantity m³
0	0.195			
50	0.225	0.210	50	10.500

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
CH (m)	C/s Area m^2	Mean c/s Area m^2	length m		Quantity m^3
100	0.234	0.220		50	11.300
150	1.14	0.684		50	195.145
200	1.855	1.499		50	74.875
250	0.80	1.328		50	66.375
300	3.32	2.060		50	103.000
350	0.93	2.125		50	106.250
400	1.21	1.070		50	53.500
450	1.616	1.413		50	70.650
500	3.43	2.523		50	126.150
550	1.235	2.328		50	116.375
600	1.793	1.509		50	75.450
650	2.555	2.144		50	109.700
700	1.45	2.003		50	100.125
750	2.296	1.873		50	93.650
800	1.561	1.929		50	96.425
850	1.463	1.512		50	75.600
900	0.264	0.864		50	43.175
950	0.93	0.597		50	29.850
1000	0.59	0.760		50	38.000
1050	0.275	0.433		50	21.625
1100	1.05	0.663		50	33.125
1150	0.145	0.594		50	29.875
1200	0.321	0.233		50	11.650
1250	0.013	0.167		50	8.350
1300	1.506	0.760		50	37.975
1380	0.215	0.886		80	70.840
					F/w : 1808.56 m^3

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	Lead up to 100 m				
	1808.56 m³ x 62.64 %.				
	= 1127.26 m³				
(6/6)	Lead up to 1000 m				
	1808.56 m³ x 37.36 %.				
	= 679.30 m³				
(7/7)	Construction of sub-grade and earthen				
	shoulder etc complete				
	all comp. Job.				
	11 x 30 x (6.82+7.72)/2 x 0.30				= 719.73
	5 x 30 x (6.82+7.72)/2 x 0.30				= 329.25
	1 x 20 x (6.82+7.72)/2 x 0.30				= 43.62 m³
					1090.50 m³
	Lead up to 1000 m				
	1090.50 m³ x 30 %				
	= 327.15 m³				
(8/8)	Lead up to 100 m				
	1090.50 m³ x 70 %				
	= 763.35 m³				
(9/9)	Construction of granular sub. base etc				
	complete all comp.				
	2 x 5 x 30 x 0.525 x 0.10				= 15.75 m³
	2 x 4 x 30 x 0.525 x 0.10				= 12.60 m³
	2 x 1 x 10 x 0.525 x 0.10				= 1.05 m³

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	5 x	30 x	4.05 x	0.150 =	60.75 m^3
	4 x	30 x	4.05 x	0.100 =	48.60 m^3
	1 x	10 x	4.05 x	0.100 =	4.05 m^3
	6 x	30 x	4.05 x	0.200 =	145.80 m^3
	5 x	30 x	4.05 x	0.200 =	121.50 m^3
	2 x	30 x	4.05 x	0.200 =	48.60 m^3
	1 x	10 x	4.05 x	0.200 =	8.10 m^3
	1 x	30 x	3 x	0.100 =	9 m^3
	1 x	12 x	3 x	0.100 =	3.60 m^3
					479.40 m^3
	Extra widening on curve				
	$\frac{0+8}{2}$	x 13	x	0.200 =	10.40 m^3
					489.80 m^3
$(\frac{10}{9})$	Construction of granular Sub-base etc complete as per Specification				
	do. all Comp. Cub. (Pcc Portion)				
	2 x 5	x 30	x 0.375	x 0.100 =	11.25 m^3
	2 x 7	x 30	x 0.375	x 0.100 =	15.75 m^3
	2 x 3	x 30	x 0.375	x 0.100 =	6.75 m^3
	2 x 5	x 30	x 0.375	x 0.100 =	11.25 m^3
	2 x 30	x 2.75	x 0.100 =		16.50 m^3
	1 x 30	x 2.75	x 0.100 =		8.25 m^3
					69.75 m^3
	Extra widening on curve				
	$\frac{0+8}{2}$	x 7	x 0.100 =		0.80 m^3
					70.55 m^3

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(11/10)	WBM Grading 3:				
	Providing laying				
	spreading and comp.				
	acting stone etc				
	do do-all comp.				
Item	5	30	3.75	0.075	= 42.18 m³
	7	30	3.75	0.075	= 59.06 m³
	6	30	3.75	0.075	= 50.62 m³
	2	30	3.75	0.075	= 16.87 m³
					168.73 m³
	extra widening on curve				
	$\frac{0+8}{2}$	× 11	× 0.075		= 3.30 m³
					172.03 m³
(12/14)	Construction of un-				
	reinforced plain co-				
	-ment Concrete Pave-				
	-ment etc do-do-all				
	Comp. sub.				
	4	30	3.75	0.160	= 72 m³
	6	30	3.75	0.160	= 108 m³
	3	30	3.75	0.160	= 54 m³
	5	30	3.75	0.160	= 90 m³
	2	30	3.75	0.160	= 36 m³
					360 m³
	extra widening on curve				
	$\frac{0+8}{2}$	× 11	× 0.160		= 7.04 m³
					367.04 m³

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(13/30)	Dismantling of exist-				
	-ing Structure like				
	Culverts etc do-do-all				
	Comp.				
	Cement Concrete				
	3 x 3.50 x 1.54 x 0.15 =				2.42 m³
(14/31)	Dismantling of exist-				
	-ing Structure etc do-				
	do - all Comp.				
	Cement mortar				
	3x2 x 6.20 x 0.825 x 3 =				92.07 m³
(15/32)	Removing all types of				
	Water Pipe etc do-d				
	all Comp. ach.				
	3 x 5 = 15 Rm.				
(16/34)	Earthwork in excav-				
	-ation etc do-do all				
	Comp. ach.				
H.W	3 x 2 x	3.90 x	1.15 x	1.50 =	40.36 m³
Below Pipe	3 x 1 x	5.35 x	1.13 x	0.365 =	6.62 m³
					46.98 m³
(17/35)	Providing Concrete				
	for plain reinforced				
	Concrete etc do-do all Comp.				
H.W	3 x 2 x	3.90 x	1.15 x	0.150 =	4.03 m³
Below Pipe	3 x 1 x	5.311 x	1.13 x	0.250 =	4.50 m³
					8.53 m³

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(19/28)	Providing and laying				
	RCC pipe NPs for				
	Culverts etc do-do-all				
	Comp.				
	3 x 3 x 2.50 = 22.50 Rm.				
(19/26)	plain reinforced Ce-				
	ment Concrete in				
	Substructure etc do-				
	do-all Comp.				
H.W	3 x 2 x 3.60	x 0.70	x 2.79		= 42.03 m^3
Parapet	3 x 2 x 3.60	x 0.40	x 0.40		= 5.18 m^3
Less for pipe	3 x 2 x 0.7857	x 0.838^2	x 0.530		= 1.72
					45.49 m^3

Passed
07/05/2022
JE

Typed in my Checked
Laptop
07/05 from
AE

Material Statement

B/W	= 2399.06 m^3
stone chips	= 916.89 m^3
Coarse Sand	= 328.95 m^3
Stone metal	= 208.15 m^3
Stone Screening	= 41.29 m^3

Passed
07/05/2022
JE

Continuation

Abstract of Cost

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(1/1)	Providing & Fixing of Working bench-mark Pillars				
2 Nos	(vide TmBP-1)				
	@Rs 3513=03				Rs 7026=06
	Reference Pillars				
5 Nos	(vide TmBP-1)				
	@Rs 1598=25				Rs 7991=25
(2/2)	Clearing & Grubbing Road land etc do-do- all Comp.				
0.90 Hac	(vide TmBP-2)				
	@Rs 52970=33				Rs 50851=51
(3/3)	Box cutting: Excavation for roadway etc do-do- all Comp.				
74.40 m³	(vide TmBP-2)				
	@Rs 75=57				Rs 5622=40
(4/4)	Construction of embankment with material etc do-do- all Comp.				
44.64 m³	(vide TmBP-2)				
	@Rs 26=64				Rs 1190=99
(5/5)	Construction of embankment with approved material etc do-do- all Comp.				
					Rs 72682=21

Continuation

Sch. XLV-Form No. 134

B.F Rs 72,682=21

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	Lead up to 100m.				
1129.26	m^3 (Vide TmBf. 4)				
	@Rs 143=00			Rs	161470=03
(6/6)	lead up to 1000m				
679.30	m^3 (Vide TmBf. 4)				
	@Rs 190=36			Rs	129311=54
(7/7)	Construction of Subgrade				
	and earthen shoulders				
	etc do do- all Comp.				
	lead up to 1000m				
327.15	m^3 (Vide TmBf. 4)				
	@Rs 192=04			Rs	62825=88
(8/8)	lead up to 1000m				
763.35	m^3 (Vide TmBf. 4)				
	@Rs 131=20			Rs	100151=52
(9/9)	Construction of granular				
	Sub-base etc do-do-all				
	Comp. Sub				
489.80	m^3 (Vide TmBf-5)				
70.55	m^3 (Vide TmBf. 5)				
560.35	m^3 @Rs 1769=06			Rs	991292=77
(10/10)	WBM Grading 3				
	Providing laying spread-				
	-ing and Compacting stone				
	etc do do-all comp.				
172.03	m^3 (Vide TmBf. 6)				
	@Rs 2555=27			Rs	439583=09
					Rs 1957557=04

Continuation

Sch. XLV-Form No. 134

B.F Rs 19,57,557·04

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(11/14)	Construction of reinforced plain Cement Concrete etc do do. all Comp. Sub.				
367·04 m³	(Vide Tm8P·6)				
	@Rs 5372·58			Rs	1971951·76
(12/30)	Dismantling of existing Structure like culvert etc do do. all comp. Cement Concrete				
2·42 m³	(Vide Tm8P·9)				
	@Rs 497·81			Rs	1204·70
(13/31)	Dismantling of existing Structure like Culvert etc de do. all Comp. Cement mortar				
92·07 m³	(Vide Tm8P·7)				
	@Rs 235·98			Rs	21726·67
(14/32)	Removing all type of burn pipe etc do-do- all Comp Sub.				
15 R.m	(Vide Tm8P·7)				
	@Rs 244·92			Rs	3673·80
(15/24)	Earthwork in excavation etc do do all Comp.				
46·98 m³	(Vide Tm8P·7)				
	@Rs 279·09			Rs	13111·64
					Rs 3969225·61

Continuation

Sch. XLV-Form No. 134

B.F Rs 39,69,225=61

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(16/35)	Providing Concrete for plain reinforced etc do-do-all Comp.				
8.53 m³ (vide TM BP. 4)					
	@Rs 4189:39				Rs 35735:47
(17/35)	Providing and laying RCC Pipe HP. for Culvert etc do do-all Comp.				
22.50 R.m (vide TM BP. 8)					
	@Rs 2003:77				Rs 45084:82
(18/35)	Plain reinforced Cement Concrete in Sub-Structure etc do-do-all Comp.				
45.49 m³ (vide TM BP. 8)					
	@Rs 4909:31				Rs 223324:51
					Rs 42,73370:00
	Add 12 % G.S.T				Rs 5,12,804:00
	L. cess 1 %				Rs 42,734:00
	S.F				Rs 55,981:00
					Rs 48,84,889:00
	Below 0.03 %				Rs (-) 1465:00
					Rs 48,83,424:00

C&P

07/05/2021

JE

07/05/2021

AE