

Pixx Solds (Pixer Solds) handed to Baburam Bixho.

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1944-45

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RAHAR P. W. D.

E. E. R. W. D. W. W. D. Division

Assistant Engineer R. W. D. Sub-Division

W. W. D. Sub-Division

W. W. D. Sub-Division

16/2615

Agency - Summit K. K. Singh

Certified that this Map contains
10 (one hundred) Pages by Printers-
Machine and I send to Sir Jyotirao
A.E. R.W.D. Work Sub. Div. Baran.

YK Singh
10/7/2020

Executive Engineer
Rural Works Division, ni
Works Division, Aurangabad

[Signature]
10/7/20

Schedule KLV - Form No. 134.

_____ DIVISION.

_____ DISTRICT.

MEASUREMENT BOOK.

231479 2615

A

Date of last entry _____

Name of last entry _____

निगा. नमोस्ते तेन, नमः ।

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 completion of the measurements relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Test & A/C Bill</u>					

Name of work - Construction of Road from River Sahada Rd to Babu-Ram bigha under (mussy)

Name of Agency - Sumit K. Singh. at Dami bigha Block West House Aurangabad

Agreement No - 18 BDD-2020-21

Agreement Rate 10% before of Bi Opp. Rate

Date of work start - 08-06-20

Date of work comp - 07-03-21

Date of measurement 02-09-20

① Providing & fixing of working bench mark Pillar - 2 - M.

Qty = 1.0 No.

② Reference Pillar Qty = 1.0 Nos.

②/2 Clearing & leveling Road land - 2 - M. CH-000 to 430m

$2 \times 14 \text{ No} \times 30.0 \times 3.50 = 2940 \text{ m}^2$

$2 \times 1 \text{ No} \times 100 \times 3.50 = 70.0 \text{ m}^2$

Continuation

$= 4480 \text{ m}^2$
 3010 m^2

$= 0.3010 \text{ Hec.$

Ran 02.09.20 J.V.

22.9.2020 AD

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	

Date of measurement
08-09-20

① Box cutting - Excavation

for Roadway in soil

Using manual - D. P.

CH- 0.00 to 200m in (D)
both side.

2 X 6 No X 30.0 X 0.525 X 0.10 = 18.90 m³

2 X 1 No X 20.0 X 0.525 X 0.10 = 2.10 m³

CH- 200m to 430m - in (C-C)
Both sides.

2 X 7 No X 30.0 X 0.375 X 0.10 = 15.75 m³

2 X 1 No X 20.0 X 0.375 X 0.10 = 1.50 m³

Total = 38.25 m³

② Construction of

Embankment with

approved material

60% of Box cutting

Qty = 60% X 38.25 = 22.95 m³

③ Providing & Fixing logo of
masonry Project = 3.0 Nos.

Ranjan

08.09.20

Date of work
18-09-20

④ Construction of Subgrade

& Earthwork

Do - as per

Ranjan

⑤ Providing & Continuously
Irrigation pipe - 300mm

Do - as per

2 X 4 No X 2.50 = 20.0 m

Ranjan

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
					Date of measurement
					20-09-2022
① Construction of G.S.B. with well provided metrically.					
--- Do. ---					
Ch- 0.00 to 200m widening portion.					
2x 6 No x 30.0 x 0.525 x 0.100 = 18					
2x 1 No x 20.0 x 0.525 x 0.100 = 2					
Overall Portion					
2x 6 No x 30.0 x 4.05 x 0.100 = 72					
1 No x 20.0 x 4.05 x 0.100 = 8					
Extra for Pot. Repair & Profile Correction 15/1					
15/1 x 200.0 x 3.0 x 0.100 = 9.0					
Increase of T Junction at 40.0m					
$\frac{(5.60 \times 4.05) + 0.00 \times 0.100}{2} = 9.3$					
Increase of T Junction at 40.0m					
$\frac{(0.00 \times (4.80 - 4.05) + 0.00 \times 0.100)}{2} = 0.0$					
Slope -					
$4.0 \times 2.75 \times 0.100 = 1.1$					
					113.70
Say width of FH = 113.0					
Reviewed					
20-09-2022					20-09-2022
Jitendra					AM B...

Continuation

Particulars

Details of actual measurement

Contents of area

No.

L

B

D

①	Particulars				Contents of area
	No.	L	B	D	
②	Construction of 25-DG-20				
	L-S-B with well graded, materials... Do - 1m				
③	In P.C.E. portion				
	CH-200m to 430m.				
④	L-S-B in widening -				
	2x 7M x 30.0 x 0.375 x 0.100				15.75 m ³
⑤	2x 1M x 20.0 x 0.375 x 0.100				1.5 m ³
	Extra Profile Concrete				
⑥	15'1" x 230 x 3'0 x 0.100				10.35 m ³
	Extra concrete slab				
⑦	4.0 x 0.75 x 0.100				2.30 m ³
					27.90 m ³

Range
25-DG-20
J.E.

Date of measurement
05-10-20

⑧	WBMM-3, Providing				
	laying, Spreading and				
⑨	Compacting Stone -				
	- 20 - Allap -				
⑩	CH-200m to 430m				
	T-Section				
⑪	11.0 x (5.30 + 3.75) x 0.075				37.32 m ³
	2				
⑫	6M x 30.0 x 3.75 x 0.075				50.625 m ³
	1M x 30.0 x 3.75 x 0.075				2.531 m ³
⑬	CH-200m to 430m				
	7M x 30.0 x 3.75 x 0.075				59.062 m ³
⑭	1M x 30.0 x 3.75 x 0.075				5.625 m ³
	Continuation				

C-φ 17 = 45.95 m³
= 121.576
Rev

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
		$BF = 97.7 = 109.20 m^3$			
		$1 No \times 30.0 \times \frac{(3.75 + 3.75)}{2} \times 0.160$			$= 18.0 m^3$
Expansion cum vent					
		$3.0 \times 4.0 \times \frac{0.160}{2} = 0.96 m^3$			
		$1 No \times 20.0 \times \frac{(3.75 + 3.65)}{2} \times 0.160$			$= 11.84 m^3$
		Total			$= 140.96 m^3$
		Say, limit qty			$= 140.76 m^3$

Ramp
18.10.20
J. E. ...

~~18.10.20~~
A.R.

Date of measurement
25.10.20

Construction of H.P.C.
- 600 mm dia. at CH-100 m

(1/25) Earth work in excavation
in foundation. - 20 m

H.W - $2 \times 3.90 \times 1.15 \times 1.50 = 13.45 m^3$

Below pipe

$1 No \times 5.35 \times 1.130 \times 0.365 = 2.207 m^3$

Total = $15.66 m^3$

(2/26) Providing M15 P.C.C.

(1:2:5) in level

- 20 m - Area

H.W - $2 \times 3.90 \times 1.15 \times 0.150 = 1.34 m^3$

Continuation
 $1 \times 5.30 \times 1.130 \times 0.250 = 1.50 m^3$

Total = $2.85 m^3$

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	

(3/27) P.C.C M₂₀ in Sub-
Structure

— Do — All comp

$$H.M - 2 \times 3.60 \times \frac{(1.0 + 2.40)}{2} \times 2.78 = 14.0 m^3$$

$$Parapet - 2 \times 3.60 \times 0.40 \times 0.60 = 1.728 m^3$$

Less for pipe

$$2 \times \frac{1}{4} \times (\frac{830}{2})^2 \times 0.580 = 0.574 m^3$$

$$Total = 15.17 m^3$$

(4/28) Binding & laying
R.C.C pipe MP-3

— Do — All comp

$$Qty = 3 \times 2.50 = 7.50 m^3$$

Rajya
25-10-20
J.B. Bv

Date of measurement
25-10-20

(1/28) Construction of Sub-

grade of Earth on Shoulder

— Do — All ab

CH - 0.00 to 2.00 m

Side of W-SB (in BT Paving)

$$2 \times 6 No \times 30.0 \times 1.388 \times 0.200 = 99.936 m^3$$

$$2 \times 1 No \times 20.0 \times 1.40 \times 0.200 = 11.20 m^3$$

Side of LBM (in BT Paving)

$$2 \times 6 No \times 30.0 \times 1.20 \times 0.075 = 32.40 m^3$$

$$2 \times 1 No \times 20.0 \times 1.0 \times 0.075 = 3.0 m^3$$

$$Total = 146.536 m^3$$

$$\frac{1}{7} \text{ for } 1000 \text{ consolidation} = 35.0 m^3$$

$$1000 m^3 = 111.536 m^3$$

Rajya
29-10-20
J.B. Bv

20-11-20
AB

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	

Date of survey

10-11-20

1/5th Construction of
Embankment
~~Subgrade~~

With approval of materials.

Deposit at site.

As per graph.

Chain (m)	C/S Area m^2	New Area m^2	Length (m)	Volume m^3
0+00	6.967	—	—	—
50+0	6.132	6.549	50.0	327.47 m^3
100+0	7.216	6.674	50.0	333.70 m^3
150+0	5.321	6.268	50.0	313.425 m^3

200+0	5.231	5.276	50.0	263.80 m^3
250+0	3.185	4.178	50.0	208.90 m^3
300+0	0.560	1.842	50.0	82.125 m^3
350+0	0.697	0.628	50.0	31.425 m^3
430	6.328	3.512	80.0	281.00 m^3

Up to P.C. = Total Qty = 1841.83 m^3

Deduction Qty

<1> Subgrade = 146.536 m^3 <2> U.S.B = 141.06 m^3 <3> W.B.M. Cur-3 = 123.36 m^3 <4> P.C.C = 140.76 m^3 Net Qty = 1350.114 m^3 1/5 Qty for (iron lead) = 733.51 m^3 1/6 Qty for 1500m lead = 556.60 m^3 Rounded
10-11-20

J-E Br

20-11-20

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	

ABSTRACT of cost:

① Providing & fixing of
working bench mark
Pillar - - - - - All

Qty wide tms P-1 = 1.0 Mo

@ RS = 3839.39 / sub = RS = 3840 = 00

② Reference Pillar

Qty wide tms P-1 = 1.0

@ RS = 1738.95 / sub = RS = 1739 = 00

② Cleaning & Grubbing

Road land - - - - - All

Qty wide tms P-1 = 0.30 Hm

@ RS = 51133.76 / Hec = RS = 15,340 = 00

③ Box Cutting - Excavation

for Road way in soil.

Qty wide tms P-2 = 36.25 m³

@ RS = 74.16 / m³ = RS = 2837 = 00

④ Construction of Embank

-ment with material obtain

from Road way cutting

60.1 of Qty.

Qty wide tms P-2 = 22.95 m³

@ RS = 26.11 / m³ = RS = 599 = 00

⑤ Construction of Embank.

-ment with approved

material for (Continuation)

Qty wide tms P-8 = 733.5 / m³ 96112 = 00

@ RS = 131.03 / m³ = RS = 96898 = 00

(C.P) = 1,20,467 = 00

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	

$$BF = RS = 1,20,467 = \infty$$

⑥ Construction of Embankment with approved materials for 1000 m each -

$$\text{Qty wide Tmb } P-8 = 556.60 \text{ m}^3$$

$$@ RS = 174.94 / \text{m}^3 = RS = 97372 = \infty$$

⑦ Construction of Subgrade of Earthwork for 1000 m each -

$$\text{Qty wide Tmb } P-7 = 35.0 \text{ m}^3$$

$$@ RS = 176.58 / \text{m}^3 = RS = 6180 = \infty$$

⑧ Construction of Subgrade and Earthwork for 1000 m each -

$$\text{Qty wide Tmb } P-7 = 111.536 \text{ m}^3$$

$$@ RS = 141.17 / \text{m}^3 = RS = 15746 = \infty$$

⑨ U.S.B -

Construction of U.S.B

With well graded material grading - I - - - - -

$$\text{Qty wide Tmb } P-3 = 113.04 \text{ m}^3$$

$$\text{Qty wide Tmb } P-4 = 27.90 \text{ m}^3$$

$$= 140.94 \text{ m}^3$$

$$@ RS = 2423.22 / \text{m}^3 = RS = 3,41,528 = \infty$$

⑩ WBM for 3, Bridging

laying, Spreading & -

Compaction - - - - -

$$\text{Qty wide Tmb } P-5 = 123.36 \text{ m}^3$$

$$@ RS = 3660.97 / \text{m}^3 = RS = 4,51,617 = \infty$$

$$10 - RS = 10,32,910 = \infty$$

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
BF = RS = 10,32,910.00					
P.C.C M30 grade					
Concrete					
Do - All up					
Qty wide TMB P-6 = 140.76m ³					
@ 5991.00/m ³ = RS = 8,43,293.00					
Providing & fixing of					
masonry logg. board					
Do - All up					
Qty wide TMB P-2 = 3.0					
@ 9222.59/Each = RS = 27,668.00					
Providing & laying					
irrigation pipe - 300mm					
Do - All up					
Qty wide TMB P-2 = 20.0m					
@ 855.36/m = RS = 17,107.20					
Earth work in excavation					
in foundation - trench					
Do - All up					
Qty wide TMB P-6 = 15.66m ³					
@ 269.32/m ³ = RS = 4,218.00					
Providing M15 P.C.C					
(1:2:5) for leveling					
Do - All up					
Qty wide TMB P-6 = 2.85m ³					
@ 4695.72/m ³ = RS = 13,383.00					
(or RS = 19,38,579.00					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	

BF = RS = 19,38,579 = 00

(16/28) P.C.C M20 grade
of concrete in sub-
-structure. - do - do

Qty vide Tmp P-7 = 13.17 m³@ RS = 5485.85 / m³ RS = 83220 = 00

(17/28) Providing & laying
R.C.C Pipe MP-3 for
culvert - do - do

Qty vide Tmp P-7 = 7.5 m

@ RS = 916.52 / m RS = 6874 = 00

Gr Total = 2028673 = 00

Add 1% Labour (T) = 20287 = 00

Add 67.5 T. 12% (T) = 243,441 = 00

= 22,92,140 = 00

Less 10% Below (T) = 229,240 = 00

Net RS = 2063,161 = 00

Ramp
10th 20
JTBur

24.11.2020

A. B.

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
<u>Materials STATEMENT.</u>					
<1> Coarse sand					$= 118.42 \text{ m}^3$
② Stone metul					$= 267.75 \text{ m}^3$
③ Stone chips					$= 142.21 \text{ m}^3$
④ Stone dust					$= 29.60 \text{ m}^3$


 10/11/20
 J. G.