

Record Entry.

Name of work - FDR 70 1 Digbapanchayat
 Location of work - Bhisam Mor Sanjay Paswan Koglar
 Agency by which work is executed - Se Kashi Vigyan Kendra Birauli
 Date of measurement - 3.09.2024
 Name 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.	
Item-1. Providing brickbats					
in damage portion of road					
created due to heavy					
Rain & traffic, compacted					
*manually by C. S. Karmar					
- - - 231					
1st layer	1	10.00	1.75	0.075	1.31 M ³
	1	20.00	3.50	0.075	5.25 M ³
	1	6.00	3.50	0.150	3.15
	1	3.10	1.50	0.150	0.70
	1	4.00	3.50	0.150	2.10
	1	20.00	3.50	0.150	10.50
	1	7.00	3.50	0.125	3.06
	1	7.00	1.90	0.150	2.00
	1	5.50	1.70	0.150	1.40
	1	3.50	1.60	0.125	0.70
	1	9.20	3.50	0.150	4.83
	1	6.90	1.50	0.150	1.55
	1	9.50	1.50	0.150	2.14
	1	7.00	1.90	0.125	1.60
	1	2.50	3.50	0.150	1.31
	1	6.00	1.60	0.125	1.20
	1	7.5	1.20	0.150	1.35
					44.21 M ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No. 1	L	B	D	
	1	3.70	1.50	0.150	0.83
	1	2.50	1.40	0.100	0.35
	1	12.30	1.45	0.150	2.68
	1	7.80	1.60	0.150	1.87
	1	6.20	3.50	0.125	2.63
	1	4.20	3.50	0.150	2.10
	1	10.20	3.60	0.150	5.51
	2	5.20	1.50	0.125	1.98
	1	7.20	1.60	0.150	1.68
	1	6.80	3.50	0.125	2.76
	1	7.20	1.50	0.150	1.58
	1	8.20	3.50	0.150	4.20

2nd	1	3.20	1.50	0.075	0.36
	1	4.10	1.60	0.125	0.82
	1	2.30	1.00	0.150	0.35
	1	2.50	1.30	0.075	0.24
	1	10.20	1.40	0.150	2.14
	1	5.10	1.50	0.125	0.96
	1	2.10	1.80	0.125	0.47
	2	4.90	1.30	0.15	1.91
	1	7.90	1.50	0.150	1.78
	1	4.90	1.20	0.125	0.74
	1	6.20	1.35	0.150	1.26
	1	4.30	1.50	0.125	0.81
	1	3.60	1.40	0.150	0.76
	1	7.20	1.30	0.125	1.17

Continuation

85.05 H³

XIV Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	1	21.00	1.80	0.125	6.98
	2	19.50	1.50	0.150	6.53
	1	30.00	3.50	0.150	15.75
	2	40.00	1.50	0.125	15.00
	1	45.00	3.50	0.105	19.69
	2	35.00	1.70	0.150	17.85
	1	28.00	2.10	0.150	8.82
	1	17.00	2.30	0.150	3.91
	1	22.00	1.90	0.150	6.27
	1	19.00	1.60	0.150	4.56
	1	24.00	1.75	0.125	5.25
	2	17.00	1.50	0.150	27.65
	1	31.00	1.70	0.150	27.91
	1	30.00	1.50	0.125	5.61
	10	3.10	2.10	0.150	9.70
	14	2.75	1.90	0.150	10.97
	2	20.00	1.70	0.125	8.50
	1	15.50	1.60	0.150	3.72
	1	12.00	1.90	0.150	3.42
	2	18.00	1.50	0.125	6.75
	1	29.00	1.50	0.150	6.53
	1	32.00	1.60	0.150	7.68
	2	15.40	1.45	0.125	5.58
	1	17.20	1.30	0.150	3.35
					284.101 ³

Continuation

Particulars	Details of actual measurement				Contents of area
	Np	L	B	D	
Item 2. Granular Sub-base with graded material (Table 400-1) (By mix in place Method) Gr - 1 1/2					
Construction of Granular Sub base by providing well graded material					
as per Tech. Sp. Clause 401.					
	1	10.00	1.75	=	17.50

	1	20.00	3.50	=	70.00
	1	6.00	3.50	=	21.00
	1	3.10	1.50	=	4.65
	1	4.00	3.50	=	14.00
	1	20.00	3.50	=	70.00
	1	7.00	3.50	=	24.50
	1	7.00	1.90	=	13.30
	1	5.50	1.70	=	9.35
	1	3.50	1.60	=	5.60
	1	9.20	3.50	=	32.20
	1	6.90	1.50	=	10.35
	1	9.50	1.50	=	14.25
	1	7.00	1.90	=	13.30
	1	2.50	3.50	=	8.75

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	1	6.00	1.60	-	9.60
	1	7.50	1.20	-	9.0
	1	3.70	1.50	-	5.55
	1	2.50	1.40	-	3.50
	1	12.30	1.45		17.84
	1	7.80	1.60		12.48
	1	6.00	3.50		14.00
	1	10.20	3.60		36.72
	2	5.00	1.50		15.00
	1	7.00	1.60		11.20
	1	6.30	3.50		22.05
	1	7.00	1.50		10.50
	1	8.00	3.50		28.00
	1	3.20	1.50		4.80
	1	4.10	1.60		6.56
	1	2.30	1.00		2.30
	1	2.50	1.30		3.25
	1	10.20	1.40		14.28
	1	5.10	1.50		7.65
	1	2.10	1.80		3.78
	2	4.90	1.30		12.74
	1	7.90	1.20		5.88
	1	6.20	1.35		8.37
	1	4.30	1.50		6.45
	1	3.60	1.40		5.04
	1	7.20	1.30		9.36
	1	31.00	1.80		55.80

Continuation

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

Abstract of Cost

Item-1. Boulding brick
beds in clamping portion
of road due to heavy
rain & traffic.

Contracted & executed
by C. J. Komanar
Poller

Qty as vide TMB P-3
= 224.10 m^3

@ 1896.72 / m^3 Rs 53888.44

Item 2. Granular sub
base with graded
material (Table 4001)
(By mix in place
Method) Gr II.

Qty as vide TMB Page-6
= 155.81 m^3

@ 2289.98 / m^3 Rs 356,802.40

Rs 8,95,660.00

Add 12 % of G. S T 1,07,477.40

Add 1 % of Lab. Cen 8957.40

Continuation

B 10,12,096.20

20/10/2021
JC-PUR
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Chd.
20/10/21

BESIK RATE FOR F.D.R. RESTORATION WORK
With C.P. WITH CARRIAGE AND WITHOUT CARRIAGE FOR RHD CIVIL SAMATPUR.

A. CLEARING, GRUBBING — 59,306.02/Hectare
 LABOUR — NO RATE 'with C.P. 10% AMOUNT'
 LABOUR — 150 NO — 304 = 00 — 9560.00
 MATE — 6 NO — 321 = 00 — Rs 1926.00
 MACHINERY,
 TRACTOR MOUNTED
 WITH TROLLY — 1.0 HOUR — 612 = 00 — Rs 612.00
 OVER HEAD — 12% — Rs 5776.56
 CONTRACTOR PROFIT 10% — Rs 5391.46

Total = 59306.02
 Say = 59306.02/Hectare
 Including GST, L.S.S.S, S.S.S.S. fee.

B. Construction of 5m Barrage
 from borrow pits, with width
 1.5M, length 1800.0M, Gate 300.1
 300.2, All complete job.
 Quantity = 100.0 M³.

LABOUR
 Mate — 0.04 NO @ 321 = 00 — Rs 12.84
 Maximum unskilled — 1.00 NO @ 304 = 00 — Rs 304.00
 MACHINERY
 Hydraulic Excavator — 1.67 H @ 2702 = 00 — Rs 4512.00
 Tipper 5.5 cum with 10 Capacity — 4.5 H @ 1183 = 00 — Rs 5323.50
 Add 10% for Cost of Carriage — Rs 5323.50
 Tipper
 Doser D 50 for Spreading 100 cum — 1.0 Hour @ 612 = 00 — Rs 612.00
 Water Tanker 60K Capacity — 2.0 Hour @ 907 = 00 — Rs 1814.00
 Three wheel Roller 90 to 100KN Static roller @ 80 cum/Hour — 1.25 Hour @ 901 = 00 — Rs 1126.25
 Material
 Water — 12.0 K³ — 40.00 — Rs 480.00
 Compaction for Earth — 100.0 M³ @ 34 = 82 — Rs 3482.00
 Over Head Charge 12% to A+B+C+D — Rs 2321.66
 Contractor Profit 10% — Rs 2445.98
 Total = 24458.90

Say 24458.90/M³
 Including GST, L.S.S.S, S.S.S.S. fee.

Page 24-82
 8.21
 8.22

C. Water Bound Macadam with
stone screening Type B, Grade III
... an complete job.

By Mechanical Means.

Output - 360.0 MB,

LABOUR

Mate - 0.68 NO - C 321=00 - Rs 218=28
Skilled Labor - 2.00 NO - C 385=00 - Rs 770=00
Unskilled Labor - 15.00 NO - C 304=00 - Rs 4560=00

MACHINERY

Tractor mounted
Grader 14.40 Hour - C 612=00 - Rs 8812=80

Three wheel, 80-100 KN.

State roller 8 MB/Hour - 45.0 Hour - C 901=00 - Rs 40545=00

Water Tanker 6 MB Capacity - 24.0 - C 907=00 - Rs 21768=00

Material

Grading 353MM to 22.4 MM

20.91 MB/10 M² Compacted

Thickness of 75 MM

Stone Screening

Type B, 11.2 MM for Grading II

20.18 MB/10 M²

Water

Over Head Charge 12% on attached.

Contractor Profit 10%

435.60 MB - 503=85 - Rs 2,19477

86.40 MB - 392=53 - Rs 33914

144 KG - 40=00 - Rs 5760

Rs 4029

Rs 37612

Total Rs 4,13,737

3 day - Rs 1149=27/MB, Excluding Carriage

Carriage Cost on per Actual and fee, fees, sign, fee.

Stone material Grading III 1.21 MB and.

screening material 0.24 MB with loss.

Providing and Laying Cement

NPS Hume pipe 600 MM dia in 2400 mm

UNIT - 7.5 meter

Labor - Mate - 0.024 C 321=00 - Rs 12.84

Max door

Mens on 1st class - 0.04 day - C 408=00 - Rs 16=32

Labor on skilled - 0.12 day - C 304=00 - Rs 36=48

Sand at site - 0.024 MB - C 1512=70 - Rs 36=21

Cement at site - 0.018 Tone - C 5732=62 - Rs 103=1

NPS A.C. Hume pipe with
collar

7.50 meter - C 2490=24 - Rs 18676=8

Collected
24.5.21
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Providing and Laying C/P
 Concrete Pipe NPS as per design
 in single row. . . all comp.
 Quantity - 7.5 metre, 600 MM dia.

Material

- A. Sand at Site — $0.024 \text{ m}^3 \text{ @ } 175 = 80 / \text{m}^3 - \text{Rs}$
 coarse sand.
 B. Cement — $0.018 \text{ MT @ } 5266 = 20 / \text{MT} - \text{Rs } 94 = 79$
 C. Hume pipe 600 MM dia - 7.5 metre - $\text{Rs } 2310 = 200 / \text{metre} - \text{Rs } 17,325 = 00$

4 = 21.

LABOUR

- Mate — $0.04 \text{ NO @ } 321 = 00 - \text{Rs } 12 = 80$
 Mason 1st class $0.12 \text{ NO @ } 408 = 00 - \text{Rs } 48 = 96$
 Mazdoor unskilled $0.96 \text{ NO @ } 304 = 00 - \text{Rs } 291 = 84$

Add over Head Charge 20% on a+b

Contractor profit 10%

Total - $\text{Rs } 17,777 = 60$
 $\text{Rs } 3555 = 52$
 $\text{Rs } 21,333 = 12$
 $\text{Rs } 2133 = 31$
 $\text{Rs } 23466 = 43$

Rate for /M 600 M.M dia H.P NPS

$\text{Rs } 3128 = 85 / \text{metre}$ Excl. chdg.

Carriage Cost of material, GST, L.L.C.S, Surcharge.

2. Providing and Laying NPS 1000.0 MM dia
 Hume Pipe in single row.
 Quantity — 7.5 metre.

Material

- A. Sand at Site — $0.040 \text{ m}^3 \text{ @ } 175 = 80 / \text{m}^3 - \text{Rs}$
 B. Cement at Site — $0.03 \text{ MT @ } 5266 = 20 / \text{MT} - \text{Rs } 157 = 98$
 C. R.C.C NPS H.P 1000 MM dia — 7.5 M — $5565 = 60 / \text{metre} - \text{Rs } 41737 = 50$

LABOUR

- Mate — $0.09 \text{ day @ } 321 = 00 / \text{day} - \text{Rs } 28 = 89$
 Mason 1st class — $0.25 \text{ day @ } 408 = 00 / \text{day} - \text{Rs } 102 = 00$
 Unskilled Labor — $2.00 \text{ NO @ } 304 = 00 / \text{day} - \text{Rs } 608 = 00$

Add over Head Charge 20%

Add 10% Contractor profit

Total - $\text{Rs } 4264 = 90$
 $\text{Rs } 8528 = 25$
 $\text{Rs } 51169 = 88$
 $\text{Rs } 5116 = 98$

Rate for /M 1000 M.M dia H.P NPS — $\text{Rs } 7504 = 88 / \text{metre}$ Excl. chdg.

Carriage cost of materials as per mtr & site,
 Actual tend, GST, L.L.C.S, Surcharge.

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(14)
F. Granular sub base, with incl.
Graded natural clay mix and
Place Method) for Grading Two
Materials.

Unit — 300.0 M³ out put

Material ————— 0.48 M³ C 32 = 00 — Rs 154 = 08
SKilled Labor — 2.0 NO C 385 = 00 — Rs 770 = 00
Un skilled Labor — 10.0 NO C 304 = 00 — Rs 3040 = 00

Machinery

Tractor mounted Grader for
Grading 100 M³ / Hr — 12.0 C 612 = 00 — Rs 7344 = 00
Three wheel R.M.T. 80-100 KN — 30.0 C 901 = 00 — Rs 27030 = 00
Tractor with rotator — 12.0 C 573 = 20 — Rs 6878 = 40
Water tanker 6 K³ Capacity — 5.0 C 907 = 00 — Rs 4535 = 00

Material

26.5 MM to 9.5 MM — 35% — 134.40 C 595 = 36 — Rs 80,016 = 38
9.5 MM to 2.36 MM — 25% — 96.00 C 506 = 92 — Rs 48664 = 32
2.36 MM Below — 40% — 158.60 C 141 = 85 — Rs 21788 = 10
Water — 30 K³ C 40 = 00 — Rs 1200 = 00

Over Head Charge 12% — Rs 24170 = 00

Contractor Profit 10% — Rs 22559 = 00

Hence Basic Rate / M³ — 827 = 17 / M³

Total — 2,48,149

12 K³ Eng Carriage, 655, L. 255, 8 engine for

(G.)

Water Bond Macadam with.

Grade II, by mechanical means

Out put — 360.0 M³

Material — 0.68 NO C 321 = 00 / NO — Rs 218 = 28.
SKilled Labor — 2.00 NO. C 385 = 00 / NO — Rs 770 = 00
Un skilled Labor — 15.00 NO C 304 = 00 / NO — Rs 4560 = 00

Machinery

Tractor mounted Grader — 14.40 Hr C 612 = 00 / Hr — Rs 8812 = 00
Three wheel 80-100 KN Static weight — 45.0 H C 901 = 00 / Hr — Rs 40545
Water tanker 6 K³ Capacity — 24.0 H C 907 = 00 / Hr — Rs 21768

Material

63 MM to 45 MM — 435.60 M³ C 473 = 70 / M³ — Rs 2,06
Stone screening Type B 11.2 MM — 96.01 M³ C 392 = 53 / M³ — Rs 3
Binding material — 28.80 M³ C 158 = 35 — Rs 4
Water — 144 K³ C 40 = 00 — Rs 5

Over Head Charge — 12% — Rs 39

10% Contractor Profit — Rs 3707

Hence Basic Rate — 1192 = 84 / M³

Total — 4,07,8

Eng Carriage, 655, L. 255, 10% 10% 10% 10%

Man 24-8-11

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RATE ANALYSIS.

(5)

A. Labour for cutting 62mm to 75mm dia bamboo poles assuming 20.0M pole, sink - 1.525M deep. Total sink depth - 30.50M.

Labour
Carpenter - 0.25 NO @ 408 = 00 — Rs 102 = 00
for 2 skilled labour - 2.50 NO @ 304 = 00 — Rs 760 = 00
Add over Head charge - 12% — Rs 862 = 00
Add Contractor Profit 10% — Rs 109 = 44
Rs 965 = 44.
Rs 96 = 54
Rs 1061 = 98
Hence Rate/meter - $\frac{1061.98}{30.50M} = Rs 34 = 81 / meter.$

B. Labour for fitting and fixing bamboo grooves in position with all. Complete sub.

Taking out Put - 9.90M²
Materials
Nails 75mm to 100mm lg - 0.25 kg @ Rs 61 = 74/kg — Rs 15 = 43
Carpenter 1 NO @ 408 = 00/NO — Rs 408 = 00
un skilled labour 1 NO @ 304 = 00/NO — Rs 304 = 00
Add over Head charge - 12% — Total - 727 = 43
Rs 872 = 29
Add 10% C/P — Total = 814 = 72
81 = 47
Hence Rate/m² — Rs. 96 = 38/m² — Rs 896 = 19

C. Labour for fitting and fixing bamboo grooves with all complete sub, (62mm to 75mm dia), out Put - 30.50M

Materials
75mm to 100mm lg nails - 0.25 kg @ Rs 61 = 74/kg — 15 = 43
un skilled labour 0.25 NO @ Rs 304 = 00/NO — 76 = 00
Carpenter 0.125 NO @ Rs 408 = 00/NO — 51 = 00
Total - 142 = 43
Hence labour/m — Rs 17 = 09
Add over head charge 12% — 159 = 52
Add 10% C/P — 15 = 95
Hence Rate/meter — Rs 5 = 75/meter. 175 = 47
Excluding GST, C. & S., Suffering fee.

24/8/21

सहजीव कार्यविभाग
सहजीव कार्य विभाग
आर्थिक विभाग, महाराष्ट्र

24.8.21

providing briar bats, laying, spreading, hand packing with C1 Hammer in layers 75mm thick including cost of light barriers, dangle, equal Chundigarh, Jangru, Jangru etc. all complete bats.

Quantity - 2.832 MB

A. Labour unskilled - 1.50 NO C 304 = 00 - Rs 456 = 00

B. Compaction of Roads - 0.67 NO C 304 = 00 - Rs 203 = 68

unskilled labor - 0.67 NO C 304 = 00 - Rs 3010 = 41

C. Briar Bat - 2.832 MB C 1069 = 00 - Rs 89 = 65

D. Local Sand - 0.632 MB C 141 = 85/M - Rs 89 = 65

Total - 3759 = 74

Rs 451 = 16

Add over head charge 12% - Rs 4210 = 90

Add 10% Contractor Profit - Rs 421 = 09

Rs 4631 = 99

Rs 1635 = 58/M

Hence rate / MB

Carrriage of Materials

Carrriage for Briar MB Briar Bat (300 NO) - Rs 232 = 99

Carrriage for Local Sand - Rs 776 = 64/M

Local Sand: 0.22 MB C 127 = 99/M - Rs 28 = 15

Total - Rs 1896 = 72

E. Labour cost, including cost of Material, Exchanging GST, L.E.S.S., Carrriage, for Empty Cement Bag Aring. Singhosi fee. Cold Bag reused - all complete bats.

Out put 100.0 NO

Labour cost

unskilled labor -

Local

Labor for Carrriage and Packing

C.C. Bag

unskilled labor -

Material

Local sand - for 100 Bag

Cost of Empty Cement Bag (Reused) 100 NO C 2 = 92 -

Add over head charge 12% -

Add 10% Contractor Profit -

Add Carrriage cost for Local sand - 3.5 MB C 127 = 99

Miner Rate / Bag - Rs

24.8.2021

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Supplying of Empty Cement Bag
 (Re used in good condition)
 of 120 kg capacity with Carriage
 Labour Cost, Local Sand with Carriage
 stretching of Bag, stretching and lifting
 200 as per spec. for labour and material
 of 219.

Bag - 1,000 NO (the standard NO)
 in 31/11/21 Labour - 1.5 NO $\times 304 = 456$ NO = Rs 507 = 60
 for Aring. $1,804 = 800$ NO = Rs 912 = 60
 in 31/11/21 Labour for Carriage $3,000$ NO = Rs 327 = 05
 and stretching and packing - 3,000 NO $3,85 = 80$ NO = Rs 292 = 00
 in 31/11/21 Labour for stretching - 0.83 NO $2 = 95$ NO = Rs 60 = 00
 Empty Cement Bag (Re used) - 100 NO $2 = 95$ NO = Rs 496 = 47
 200 Nylon for stretching - 2 NO $230 = 00$ NO = Rs 16 = 50
 Local Sand 3.5 MS $141 = 95$ MS = Rs 2411 = 70
 Hire Charge for Machine 0.90 hr $50 = 10$ hr = Rs 289 = 40

Add over Head Charge 12%
 Add 10% Contractor Profit
 Carriage Cost for Empty Cement Bag $Rs 119 = 23$ NO $Rs 11 = 92$
 Carriage Cost for Local Sand 3.5 MS $Rs 122 = 99$ MS = Rs 4472 = 96

Here Rate / Bag - Rs 34 = 29 / Bag, Total - Rs 3429 = 39
 including 10% SS, 10% L.S.S., Superfund.
 for Supply of Bamboo -
 As per R.M.D - Bamboo 2nd class 75 mm dia -
 2.1 M to 3.0 M Long - Rs 2500 / NO
 As per R.M.D - Bamboo 75 mm dia. 6 M to
 8.0 M Long - Rs 14150 each
 for 1st Carriage.

Area of 1 Bamboo for Chackal - 110 L
 $= 3.14 \times 0.75 \times 8.0 M = 1.884$

Here Complete rate for Bamboo woven Chackal
 $96 = 36$ (Labour) + $92 = 16$ Cost of Bamboo +
 overhead cost and Admin.
 Profit

Here Gross rate for
 Bamboo woven Chackal - Rs 188 = 53 / ft
 including Cost of Bamboo

Signature
 24/8/21