



ग्रामीण कार्य विभाग

पथ का नाम	:- T05 Lahar pur to Ram pur udai
कार्य प्रमण्डल	:- बेनीपुर।
कार्य अंचल	:- दरभंगा।
प्रखण्ड का नाम	:- अलीनगर।
प्राक्कलित राशि	4,32,267.200 :- 1,82,459.42

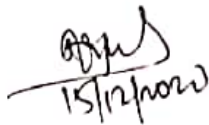
प्रतिवेदन

पथ का नाम :- TOS Lahar pur 70 Ram pur udai
पथ की लं० :- 3363 m
प्राक्कलित राशि :- ~~9,82,757.00~~
4,32,267.00

माह जुलाई अगस्त में हुई अतिवृष्टि के फलस्वरूप विभिन्न नदियों एवं नालों में आये बाढ़ के चलते अधिकांश पथ क्षतिग्रस्त हो गये एवं यातायात बाधित हो गया।

जनता की परेशानी, एवं आने वाले आम चुनाव (बिहार विधान सभा) एवं विभागीय आदेश -मु० अ०-04मु० विविध कार्य 23-40/2016-2729अनु० दिनांक-21.08.2020 के आलोक में क्षतिग्रस्त पथों के ईट टुकड़े एवं चिमनी छाई से भरकर यातायात पुनर्स्थापन किया गया। किये गये कार्य के अनुसार प्राक्कलन तैयार कर घटनोत्तर स्वीकृति हेतु समर्पित की जा रही है। कार्यहित में प्राक्कलन की स्वीकृति अपेक्षित है।

प्राक्कलन को कार्य अंचल, दरभंगा द्वारा स्वीकृत अद्यतन दर के आधार पर तैयार कर अग्रेतर कार्यवाई हेतु समर्पित की जाती है।



कनीय अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रशाखा अलीनगर,



सहायक अभियंता,
ग्रामीण कार्य विभाग,
कार्य अवर प्रमण्डल अलीनगर,



कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमण्डल बेनीपुर,

Flood Estimate

Name of Road - Tos Laharpur To Rampur v dai

m No - ①

providing and laying brick pitching with brick bats including loading un-loading and light ramming all complete job.

CH. 100m.	9.50m X 1.00m X $\frac{(1.40+1.00)}{2} = 11.40m^3$ + 5.00m
800m.	4.00m X 3.50m X $\frac{(0.20+0.40)}{2} = 4.20m^3$ + 9.00m
1300m.	5.00m X 3.00m X $\frac{(0.30+0.60)}{2} = 6.75m^3$ + 9.00m
2200m.	47.00m X 1.00m X $\frac{(0.20+0.50)}{2} = 16.45m^3$ + 9.00m

2 - side.

2400m.	15.00m X 0.50m X $\frac{(0.30+0.45)}{2} = 2.81m^3$ + 9.00m
2450m.	5.00m X 0.50m X $\frac{(0.45+0.30)}{2} = 0.94m^3$ + 9.00m
2500m.	7.00m X 0.70m X $\frac{(0.30+0.30)}{2} = 1.47m^3$ + 9.00m
2550m.	40.00m X 0.80m X $\frac{(0.60+0.10)}{2} = 11.20m^3$ + 9.00m
2600m.	10.00m X 0.80m X $\frac{(0.40+0.25)}{2} = 2.60m^3$ + 9.00m
2680m.	4.00m X 0.90m X $\frac{(0.30+0.35)}{2} = 1.17m^3$ + 9.00m
2700m.	3.00m X 1.00m X $\frac{(0.45+0.45)}{2} = 1.35m^3$ + 9.00m
2900m.	10.00m X 2.00m X $\frac{(1.20+1.60)}{2} = 28.00m^3$ + 9.00m
"	24.00m X 3.00m X $\frac{(1.00+0.90)}{2} = 68.40m^3$ + 9.00m
2950m.	12.00m X 1.50m X $\frac{(1.80+1.20)}{2} = 27.00m^3$ + 9.00m
3100m.	10.00m X 3.00m X $\frac{(0.20+0.40)}{2} = 5.25m^3$ + 9.00m
"	5.00m X 3.00m X $\frac{(0.20+0.40)}{2} = 13.5m^3$ + 9.00m

Total = 443.4 m³
Qty - 194.99m³

Name of Road - To 5 Lahar pur To Ram pur
vdai

Total Qty. - 194.99 m^3
~~443.40 m~~

$194.99 \text{ m}^3 @ 1867.76 / \text{m}^3$ — $364,195.200$
~~8,28,165.00~~

Add - 12% U.S.T. —

$43,703.200$
~~99,379.00~~

Add - 1% L.C. —

3642.200
~~8,28,22.00~~

Add - S.f - 10% —

$20,727.200$
~~47,133.00~~

194.99 m^3
~~443.40 m~~ $\times 1063.00 \times 0.10$ —

Total: $9,82,959.00$
~~4,32,267.00~~

$15/12/2020$
G.D.

$15/12/2020$
D.D.

$15/12/2020$
D.D.

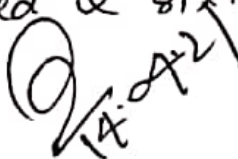
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B.F ————— 4,32,267.00

कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य
प्रमोडन, जमनगर के पत्रांक 798 अनु. दि. 05.04.2021
के द्वारा समर्थित ऑन च प्रतिवेदन के आधार
पर —————

Post facto T/A for ₹ 4,32,267.00

(Rupees four lacs, thirty two thousand,
two hundred & sixty seven) only—


Superintending Engineer
RWD, Works Circle, Darbhanga
14/04/2021

FOR FDR JULY 2020.

Providing and Laying of Bricks bats with
Carriage by Tractor loading with front end loader with
light running etc. all complete job as per specification and
direction of E/R

BY TRACTOR. (Without C.P.) For departmental work

$$\textcircled{1} \quad \left. \begin{array}{l} \text{Surface lead} = 7 \text{ km} \\ \text{Katchha lead} = 1 \text{ km} \end{array} \right\} 8 \text{ km}$$

$$\text{Factor } (3.6/2.25) = 1.60$$

$$\text{i.e. Carriage Cost (with OH)} = [(1.60 \times 7 \text{ km} \times 17.25) + (1.60 \times 1 \text{ km} \times 26.95) + 182.39]$$

$$= \text{Rs. } 418.71$$

$$\begin{aligned} \text{say Total Cost P/B} &= \text{Rs. } 1126.78 \text{ (Bricks bats with OH)} \\ &+ \text{Rs. } 418.71 \text{ [Carriage Cost with OH]} \\ &+ \text{Rs. } 322.27 \text{ [Labour Cost with OH]} \end{aligned}$$

$$\text{Total Rs. } 1867.76 \text{ [without GST + LC + SF]}$$

$$\textcircled{2} \quad \text{Surface lead} = 6 \text{ km} / \text{Katchha} = 1 \text{ km} / \text{Factor} = 1.60$$

$$\text{Carriage Cost (with OH)} = [(1.60 \times 6 \text{ km} \times 17.25) + (1.60 \times 1 \text{ km} \times 26.95) + 182.39]$$

$$= \text{Rs. } 391.11$$

$$\begin{aligned} \text{Total Cost of Bricks bats P/B} &= \text{Rs. } 1126.78 \\ &+ \text{Rs. } 391.11 \\ &+ \text{Rs. } 322.27 \end{aligned}$$

$$\text{Total Rs. } 1840.16 \text{ P/B [without GST + LC + SF]}$$

$$\textcircled{3} \quad \text{Surface lead} = 5 \text{ km} / \text{Katchha} = 1 \text{ km} / \text{Factor} = 1.60$$

$$\text{Carriage Cost (with OH)} = [(1.60 \times 5 \text{ km} \times 17.25) + (1.60 \times 1 \text{ km} \times 26.95) + 182.39]$$

$$= \text{Rs. } 363.51$$

$$\begin{aligned} \text{Total Cost of Bricks bats P/B} &= 1126.78 \\ &+ 363.51 \\ &+ 322.27 \end{aligned}$$

$$\text{Total Rs. } 1812.56 \text{ P/B [without GST + LC + SF]}$$

$$\textcircled{4} \quad \text{Surface lead} = 4 \text{ km} / \text{Katchha} = 1 \text{ km} / \text{Factor} = 1.60$$

$$\text{Carriage Cost (with OH)} = [(1.60 \times 4 \text{ km} \times 17.25) + (1.60 \times 1 \text{ km} \times 26.95) + 182.39]$$

$$= \text{Rs. } 335.91$$

$$\begin{aligned} \text{Total Cost of Bricks bats P/B} &= 1126.78 + 335.91 + 322.27 = \text{Rs. } 1784.96 \\ &\text{[without GST + LC + SF]} \end{aligned}$$

$$\textcircled{5} \quad \text{Surface lead} = 3 \text{ km} / \text{Katchha} = 1 \text{ km} / \text{Factor} = 1.60$$

$$\text{Carriage Cost (with OH)} = [(1.60 \times 3 \text{ km} \times 17.25) + 43.12 + 182.39]$$

$$= \text{Rs. } 308.31$$

$$\begin{aligned} \text{Total Cost of Bricks bats P/B} &= 1126.78 + 308.31 + 322.27 = \text{Rs. } 1757.36 \\ &\text{[without GST + LC + SF]} \end{aligned}$$

नोट:- यदि उपर्युक्त कार्य कास है तो/पिछली की इसी का उमाना आकृष्य में दर्शाया
जावेगा। साथ में इसी के आधार पर की दुगुन की कोकलाग किया जावेगा।

(A) Labour for laying brick bats / Shama Khas including light raining etc.

Unit = Per M³
 Taking output = 2.832 M³
 Unskilled Manpower = 3 Nos @ 287.00 = Rs 861.00
 6 1/2 OH = Rs 51.66
 Rate for 2.832 M³ = Rs 912.66
 Rate per M³ = Rs 322.27 ✓

(B) Haulage excluding loading and unloading, spreading
Haulage of Materials by Tractor

Unit = t.km
 Taking output 3.60 tonnes load and haul 10 km = 36.0 t.km

(i) Surface Road

Speed with load = 15 km/hour
 Speed while returning empty = 25 km/hour

(a) Machinery

Tractor 3.6 tonne Capacity, 0.667 @ 549.10/hour = Rs 366.25
 (Time taken for onward trip)
 Haulage with load = 0.400 @ 549.10/hour = Rs 219.64
 Time taken for empty return = Rs 35.15

(b) Over head (OH) charge 6%

Cost for 36 t.km = Rs 621.04
 Rate per t.km = Rs 17.25 ✓

(ii) Katchha Road

Speed with load = 12 km/hour
 Speed for empty return trip = 20 km/hour

(a) Machinery

Tractor 3.6 tonne Capacity
 Time taken for onward haulage with load = 1.00 @ 549.10/hour = Rs 549.10
 Time taken for empty return trip = 0.667 @ 549.10/hour = Rs 366.25
 Rs 54.92

(b) OH = 6%

Cost for 36 t.km = Rs 701.27
 Rate per t.km = Rs 26.95 ✓

(C) Loading and unloading brick bats / Shama Khas / Sand etc.

Using tractor at loading - for loading with front loader, dumping, turning for return trip, ascending haulage and return trip.

Unit = cum / Taking output = 2.25 M³ / Time required = 6 Mins

Unskilled Labour for loading/unloading 0.72 @ 305.00/day = Rs 206.64
 Rate = Rs 15.15

(i) Machinery

Tractor 3.6 t capacity 0.1 @ 549.10/hour = Rs 54.91
 Front end loader 1 cum capacity 0.083 @ 1403.00/h = Rs 116.45
 Rs 23.23

(ii) Over head (OH) = 6%

Cost for 2.25 M³ = Rs 410.38
 Rate per M³ = Rs 182.39 ✓

Supply to Brick Bat (with OH)
 Basic Rate of Brick Bat Rs 63.50
 OH 6% 3.81
 Rs 67.31

Bamboo piling items.

- ① Labour for cutting ^{62mm to} 75mm dia bamboo pile to site...
Making shoes and driving by jet machine, etc all complete job.

Taking output = 200M

Unit = Per/metre.

(i) Labour

(a) Unskilled Muddoor = 5 Nos.	@ Rs. 287.00	Rs. 1435.00
(b) Semi Skilled Muddoor = 1 No	@ Rs. 299.00	Rs. 299.00
(c) Carpenter Gr II = 1.5 Nos	@ Rs. 345.00	Rs. 517.50
(d) Drill operator = 1.00 No	@ Rs. 345.00	Rs. 345.00
Total:		Rs. 2596.50 (A)

(ii) Machinery

(a) Hire charge of beat 40 Quintal Capacity = 2 Nos.	@ 1872.00	Rs. 3744.00
(b) Hire charge of diesel pump (pumping set) = 1 No.	@ 3002.00	Rs. 3002.00
(c) Diesel for pumping set = 8 lit	@ 77.00	Rs. 616.00
(d) Hire charge of Jet pipe and pipe assembly = 1 No	@ 200.00	Rs. 200.00
Total		Rs. 4862.00 (B)

Total (A+B) = Rs. 7456.50

Add 6% CH Rs. 447.39

For 200M = Total Rs. 7903.89

P/M = 39.52 ✓

- ② Labour for fitting & fixing 62mm to 75mm dia Bamboo summer -
in position at every vertical pile with 150mm long nail or
38 Swg G.I wire including cost of G.I wire and nails etc all
complete job.

Taking output = 30.50M

Unit = Per M.

(i) Labour:

(a) Carpenter Gr II = 0.125 Nos	@ Rs. 345.00	Rs. 43.125
(b) Unskilled Muddoor = 0.25 Nos	@ Rs. 287.00	Rs. 71.750

(ii) Materials:-

Cost of 150mm long 0.150 kg nails or G.I. wires	@ Rs. 60.03	Rs. 90.02
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Total = Rs. 144.895

Add 6% CH = Rs. 8.690

Total = 153.585

For 30.5 M → 153.585

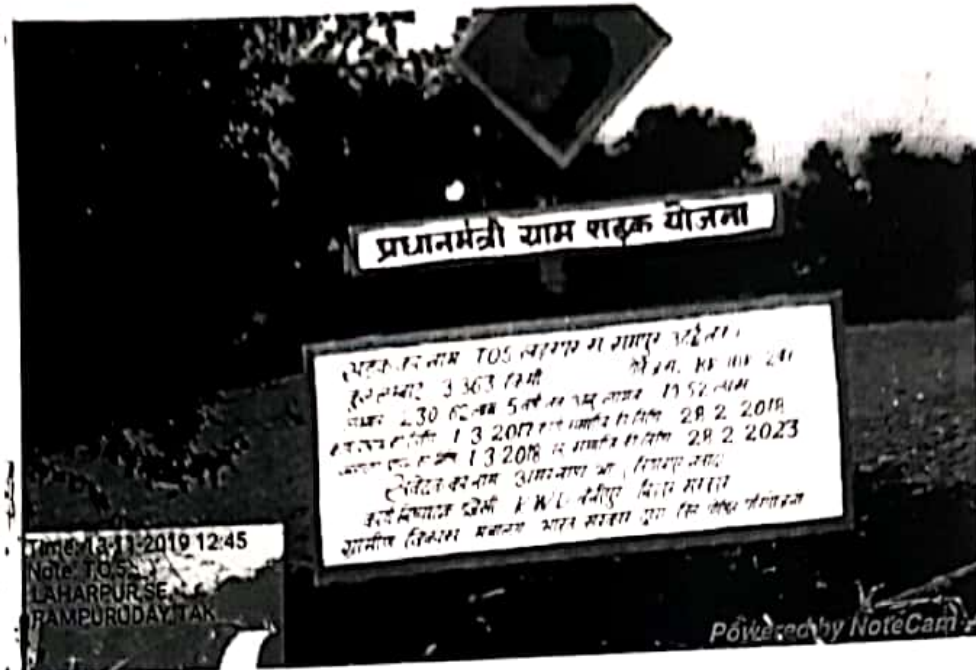
P/Metre → Rs. 5.04 ✓

A

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Supplying of Sand Bag (with OH)					
Basic Rate of Sand Bag (Including cbt+sand)					
Add overhead Charges					
Total			Per Bag	6%	8.26
					0.53
					9.39
1 No Cement Bag filled with 40 kg./L2 Cuft Sand					
Conversion factor :1m3=35.3146667ft3					
1) Cubic Meter= Cubic Foot/35.3146667					
2) Cubic Meter= 1.2/35.3146667					
3)Cubic Meter=0.034					
Hence 1 No. Sand Bag Filled with 0.034					
Tractor			KM	2	
Surface Lead			KM	1	
Katcha Lead			Cum	1.6	
Factor(3.6/2.25)					
Carriage (with OH)					280.71
$(1.6 \times 2 \times 17.25) + (1.6 \times 1 \times 26.95) + 182.39$					
Cost of Carriage of Sand in Filling of Sad Bag				280.71	0.034
					9.52
Cost of Labour for Filling Sand Bag, stitching and					
Placing (with OH)					
					28.11
Total (A+B+C)=9.39+9.52+5.20					
Total Cost per Bag (without Gst+Lc+Sl)					35.11

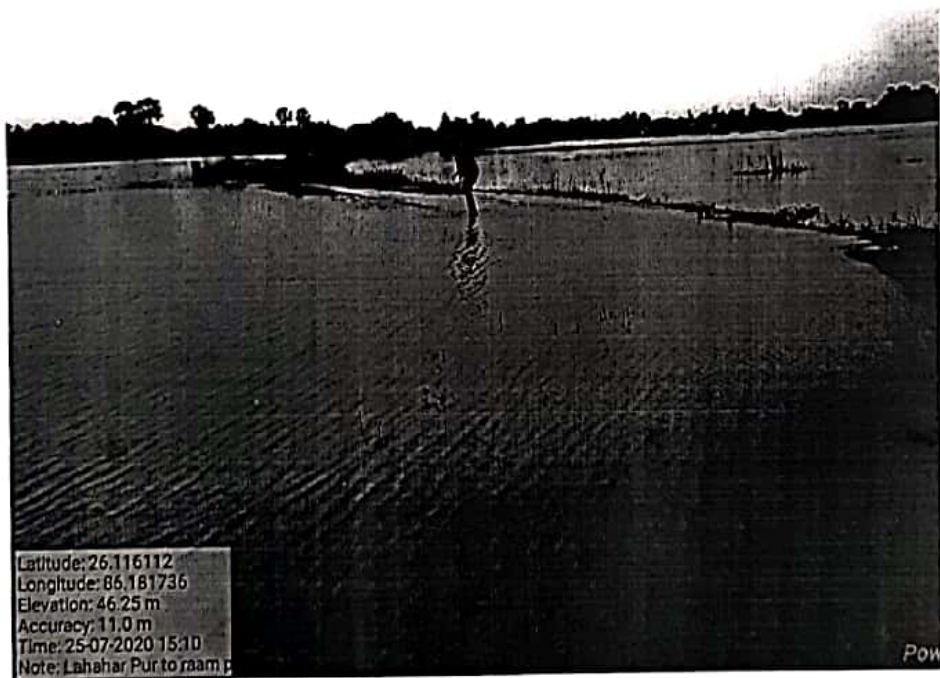
TOS Laharpur TO Rampur Vday.



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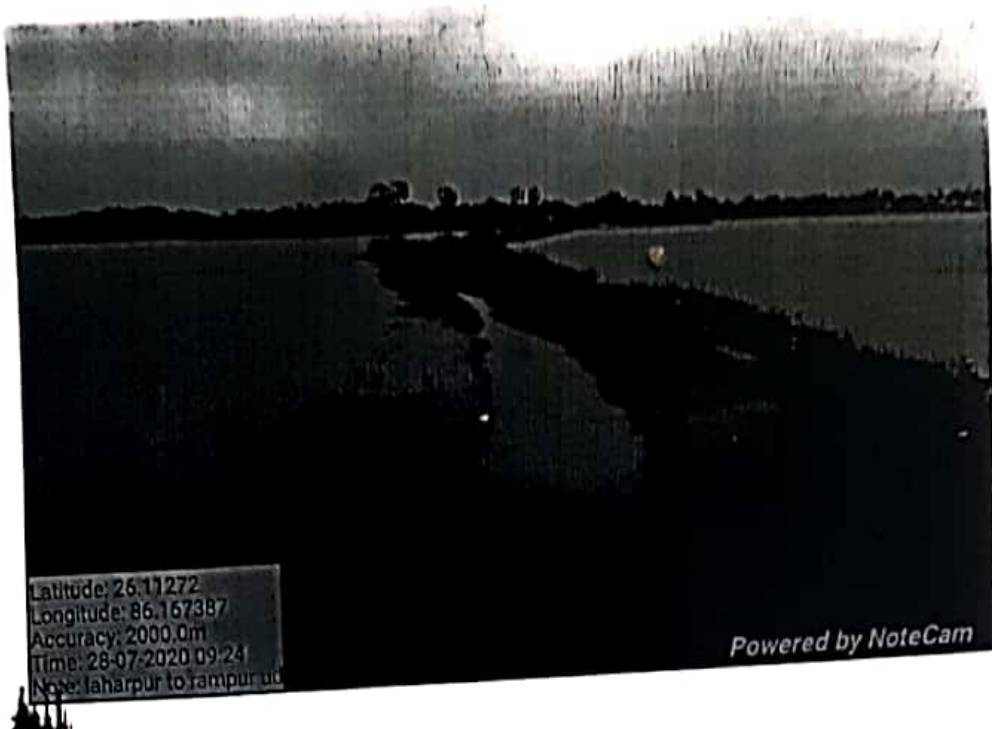
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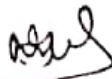


Agarwal
 J. E

Agarwal
 A. E

Agarwal
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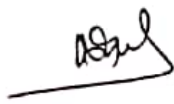



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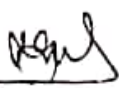



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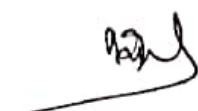
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Note: Rampur se Uday

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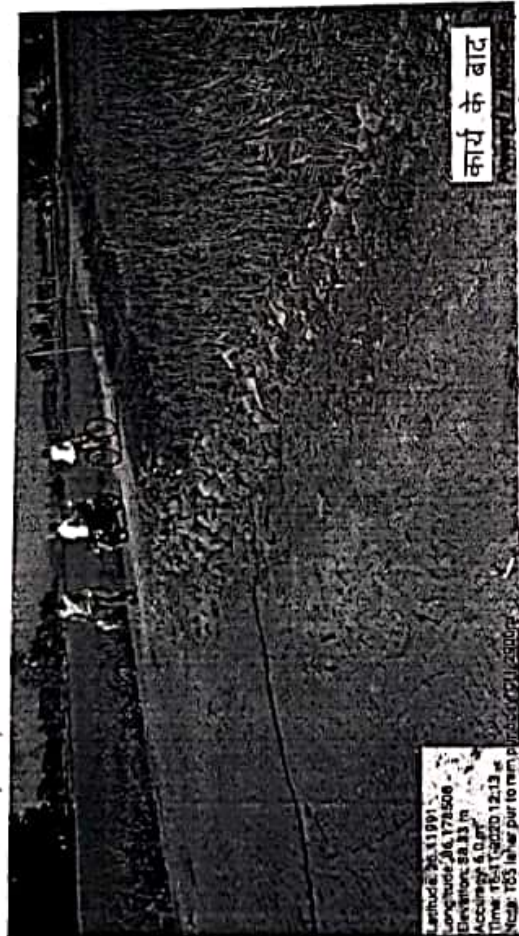
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Time: 04-10-2020 13:24
Note: Rampur se Uday

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कार्य के बाद



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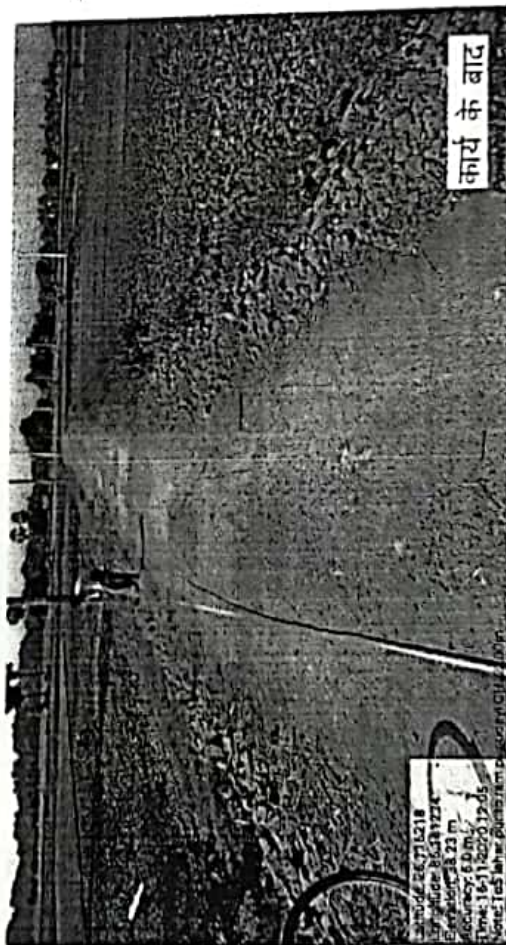
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कार्य के बाद



कार्य के बाद



कार्य के बाद

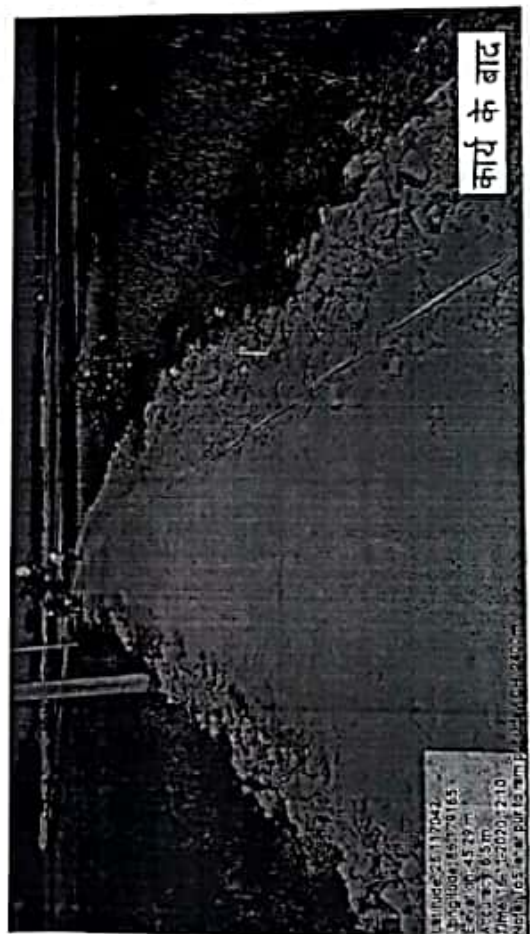
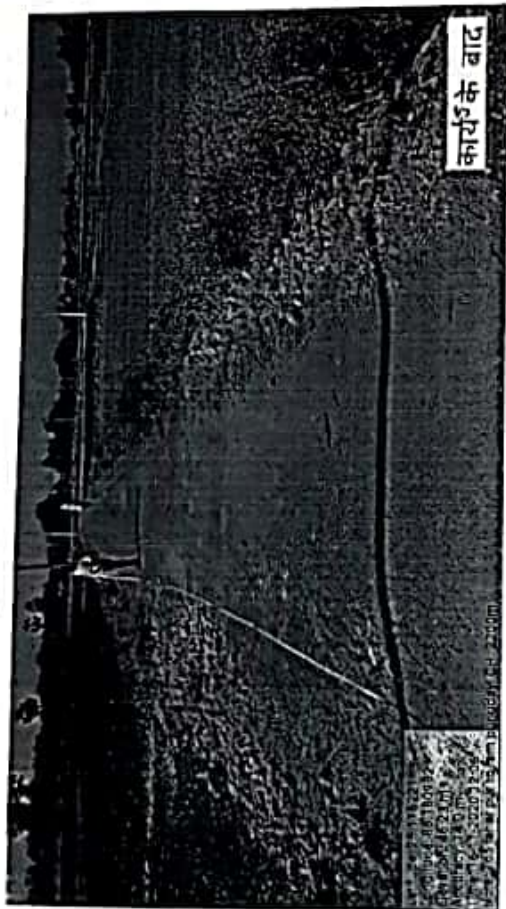
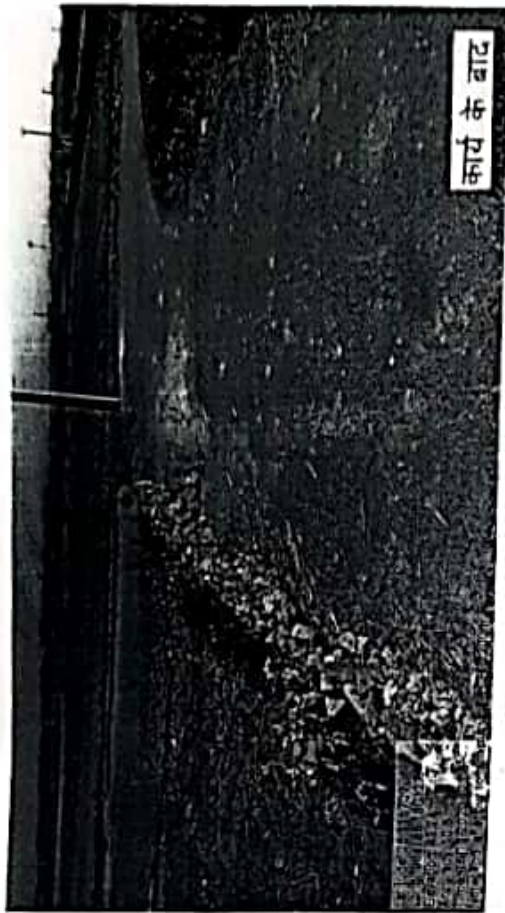


कार्य के बाद

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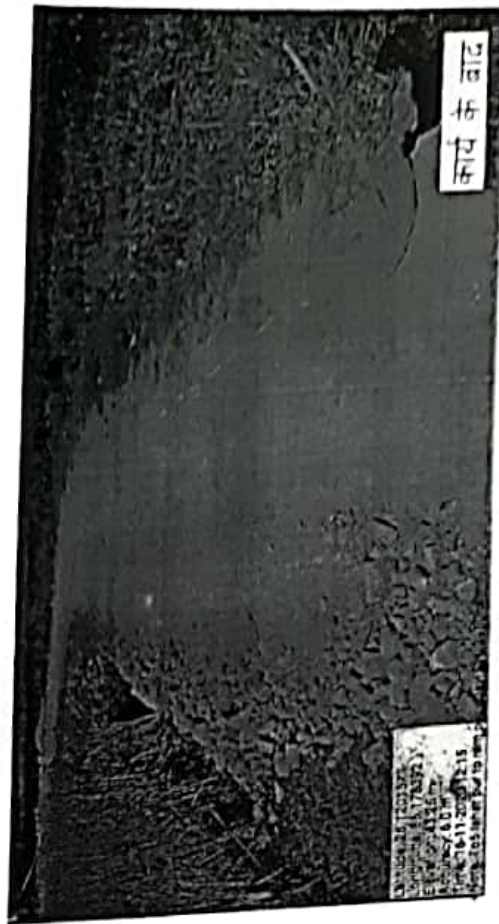
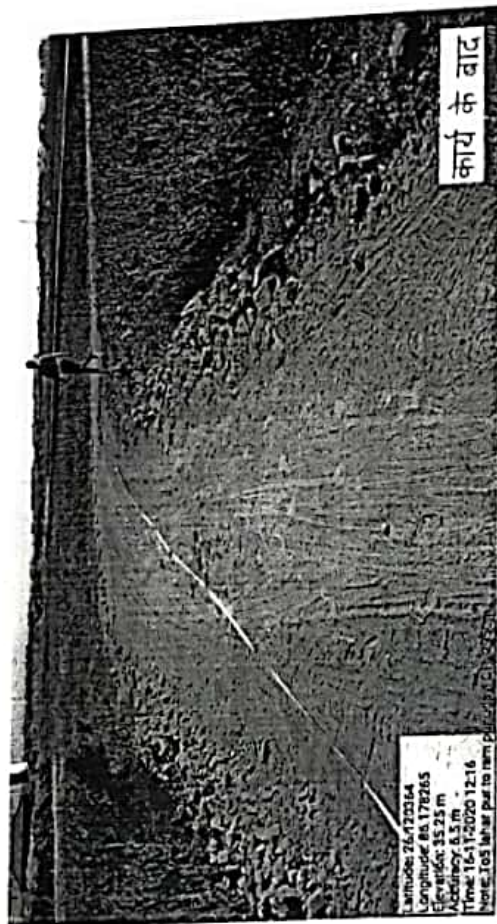
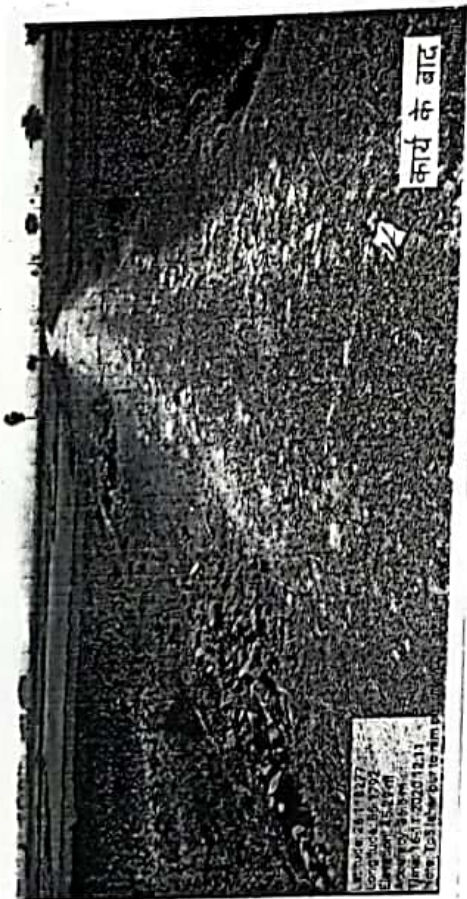
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Handwritten signature and initials "A.E."

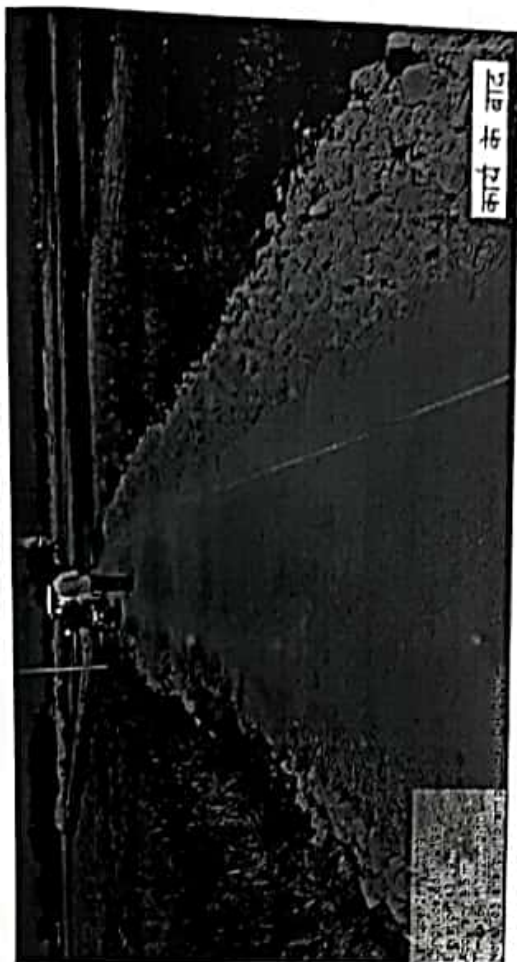
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