

25 DR 2020

25



ग्रामीण कार्य विभाग

पथ का नाम	:- हरसिंगपुर गा. 2 ग्राम	के नरसिंहलाल प्रसादी रसु
कार्य प्रमण्डल	:- बेनीपुर।	
कार्य अंचल	:- दरभंगा।	
प्रखण्ड का नाम	:- अलीनगर।	
प्राक्कलित राशि	:- 2,60,948 = रु. 5,84,341.00	

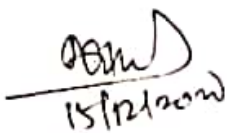
प्रतिवेदन

पथ का नाम :- हरदोमपुर बाजेल से जलेशिमा पांडरी तक
पथ की लं० :- 4.158 कि०मी०
प्राक्कलित राशि :- 5,84,341/-
2,60,948/-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 पुर्नस्थापन 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।


15/12/2020

कनीय अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रशाखा अलीनगर,


15/12/2020

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



कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमण्डल बेनीपुर,

Flood Estimate

Name of Road - Harisingpur Watganj TO Nautolia
Primary School.

Item No-①

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

CH.-

4000m.

$$6.00 \text{ m} \times 2.00 \text{ m} \times 0.30 = 3.60 \text{ m}^3$$

3700m.

$$5.00 \text{ m} \times 3.00 \text{ m} \times 0.30 = 4.50 \text{ m}^3$$

"

$$5.00 \text{ m} \times 2.50 \text{ m} \times \frac{(0.30+0.45)}{2} = 4.70 \text{ m}^3$$

3500m.

$$4.00 \text{ m} \times 3.00 \text{ m} \times 0.30 = 3.60 \text{ m}^3$$

3450m.

$$6.00 \text{ m} \times 3.00 \text{ m} \times \frac{(0.60+0.70+0.80)}{3} = 11.40 \text{ m}^3$$

3450m.

$$5.00 \text{ m} \times 2.00 \text{ m} \times \frac{(0.30+0.45)}{2} = 3.75 \text{ m}^3$$

3400m.

$$3.00 \text{ m} \times 1.50 \text{ m} \times \frac{(0.90+1.00)}{2} = 4.27 \text{ m}^3$$

2700m.

$$3.00 \text{ m} \times 1.80 \text{ m} \times \frac{(0.60+0.90)}{2} = 6.75 \text{ m}^3$$

2100m.

$$2.00 \text{ m} \times 3.00 \text{ m} \times \frac{(0.60+0.45)}{2} = 3.15 \text{ m}^3$$

2000m.

$$4.00 \text{ m} \times 2.00 \text{ m} \times \frac{(0.60+1.00+0.70)}{3} = 6.13 \text{ m}^3$$

"

$$2.00 \text{ m} \times 1.50 \text{ m} \times \frac{(0.60+0.90+1.00)}{3} = 2.50 \text{ m}^3$$

1980m.

$$12.00 \text{ m} \times 3.80 \text{ m} \times \frac{(0.75+0.80+1.00)}{3} = 38.76 \text{ m}^3$$

1900m.

$$4.00 \text{ m} \times 3.80 \text{ m} \times 0.30 = 4.56 \text{ m}^3$$

1700m.

$$2.00 \text{ m} \times 3.00 \text{ m} \times \frac{(0.30+0.60)}{2} = 2.70 \text{ m}^3$$

1650m

$$4.00 \text{ m} \times 3.00 \text{ m} \times \frac{(0.30+0.50)}{2} = 4.80 \text{ m}^3$$

1500m

$$3.00 \text{ m} \times 2.00 \text{ m} \times \frac{(0.30+0.60+0.30)}{3} = 2.40 \text{ m}^3$$

1450m

$$5.00 \text{ m} \times 3.00 \text{ m} \times \frac{(0.30+0.60+0.30)}{3} = 5.40 \text{ m}^3$$

1400m

$$8.00 \text{ m} \times 3.50 \text{ m} \times \frac{(0.30+0.45)}{2} = 10.50 \text{ m}^3$$

+

$$1.00 \text{ m} \times 2.00 \text{ m} \times 1.50 \text{ m} = 3.00 \text{ m}^3$$

C.O

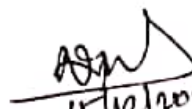
$$\text{Total} = 263.58 \text{ m}^3$$

$$\text{Qty} = 117.71 \text{ m}^3$$

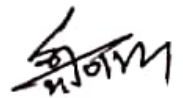
B.f. Qty - 117.71 m^3 ~~263.58~~ π
 $117.71 \text{ m}^3 @ 1867.76/\text{m}^3$ —
 Add - 12% L.S.T —
 Add - 1% L.C. —

$2,19,854 = 00$
~~4,92,304~~
 $26,382 = 00$
~~53,076~~
 $2,19,854 = 00$
~~4,92,304~~

Add - S.f - 117.71 m^3 ~~263.58~~ $\pi \times 1063.00 \times 0.10$ — $12,513 = 00$
~~28,018~~
 Total = $5,84,321 = 00$
 $2,60,948 = 00$

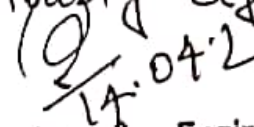

 15/12/2020
 O.C.


 15/12/2020
 A.B.


 E.B.

कार्यपालक अभियंता, ग्रामीण कार्य विभाग,
 कार्य प्रमंडल, जमनगर के पत्रांक 798 अनु०
 दि० 05-04-2021 के द्वारा समर्पित ऑर्डर
 प्रतिवेदन के आधार पर —

Post facto T/A for ₹ 2,60,948.00
 (Rupees two lacs, sixty thousand, nine
 hundred & forty eight) only —


 14.04.21
 Superintending Engineer
 RWD, Works Circle, Darbhanga
 14/04/2021

FOR FDR JULY 2020.

Providing and Laying of Bridge bats with Carriage by Tractor loading with front loader with light ramming etc. all complete job as per specification and direction of E/P.

BY TRACTOR (without C.P.) for departmental work

$$\textcircled{1} \quad \begin{aligned} &\text{Surface lead} = 7 \text{ K.M.} \\ &\text{Katchla lead} = 1 \text{ K.M.} \end{aligned} \quad \left. \begin{array}{l} \\ \end{array} \right\} 8 \text{ K.M.} \\ \text{Factor } [5.6/2.25] = 1.60 \\ \text{i.e. Carriage Cost (with OH)} = [(1.60 \times 7 \text{ K.M.} \times 17.25) + (1.60 \times 1 \text{ K.M.} \times 26.95) + 182.39]$$

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

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

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

$$\textcircled{2} \quad \text{Surface lead} = 6 \text{ K.M.} / \text{Katchla} = 1 \text{ K.M.} / \text{Factor} = 1.60$$

$$\text{Carriage Cost (with OH)} = [(1.60 \times 6 \text{ K.M.} \times 17.25) + (1.60 \times 1 \text{ K.M.} \times 26.95) + 182.39] \\ = \text{Rs. } 391.11$$

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

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

$$\textcircled{3} \quad \text{Surface lead} = 5 \text{ K.M.} / \text{Katchla} = 1 \text{ K.M.} / \text{Factor} = 1.60$$

$$\text{Carriage Cost (with OH)} = [(1.60 \times 5 \text{ K.M.} \times 17.25) + (1.60 \times 1 \text{ K.M.} \times 26.95) + 182.39] \\ = \text{Rs. } 363.51$$

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

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

$$\textcircled{4} \quad \text{Surface lead} = 4 \text{ K.M.} / \text{Katchla} = 1 \text{ K.M.} / \text{Factor} = 1.60$$

$$\text{Carriage Cost (with OH)} = [(1.60 \times 4 \text{ K.M.} \times 17.25) + (1.60 \times 1 \text{ K.M.} \times 26.95) + 182.39] \\ = \text{Rs. } 335.91$$

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

$$\textcircled{5} \quad \text{Surface lead} = 3 \text{ K.M.} / \text{Katchla} = 1 \text{ K.M.} / \text{Factor} = 1.60$$

$$\text{Carriage Cost (with OH)} = [(1.60 \times 3 \text{ K.M.} \times 17.25) + (1.60 \times 1 \text{ K.M.} \times 26.95) + 182.39] \\ = \text{Rs. } 308.31$$

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

नोट:- यदि अनुसार कार्य प्रामाणिक ढंग से किया/निष्पत्ती की हुई हो प्रमाण प्रस्तुत करने पर इसका ध्यान रखा जाएगा। साथ ही इसी के आधार पर ही इसकी आकलन किया जाएगा।

(A) Labour for laying brick bats / Khama Khon including light rammings etc.

Unit = Per M³
 Taking output = 2.832 M³
 Unskilled Magdoor = 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, stacking
Haulage of Materials by tractor

Unit = t.K.M
 Taking output 3.60 tonnes load and lead 10 K.M = 36.0 t.K.M

(i) Surface Road

Speed with load = 15 K.M/hour
 Speed while returning empty = 25 K.M/hour

(a) Machinery

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

(b) Over head (OH) charge 5%

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

(ii) Katchha Road

Speed with load = 12 K.M/hour
 Speed for empty return trip = 20 K.M/hour

(a) Machinery

Tractor 3.6 tonne Capacity
 Time taken for round 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
 OH 5% = Rs 54.92

Cost for 36 t.K.M = Rs 970.27

Rate per t.K.M = Rs 26.95 ✓

(C) Loading and unloading brick bats / Khama Khon / Sand etc.

Placing tractor at loading point loading with front loader, dumping, turning for return trip, excluding haulage and return trip.

Unit = Cum / Taking output = 2.25 M³ / Time required = 6 Min.

(i) Labour

Rate = 0.03 @ 305 = w/dup = Rs 9.15

Unskilled Labour for loading/unloading = 0.72 @ 287 / dup = Rs 206.64

(ii) Machinery

Tractor 3.6 t Capacity 0.1 @ 549.10/hour = Rs 54.91

Front end loader 1.00 @ 140.00/h = Rs 140.00

OH 5% = Rs 23.23

(iii) Over head (OH) 5%

Cost for 2.25 M³ = Rs 410.38

Rate per M³ = Rs 182.39 ✓

Bamboo piling items.

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

Taking output = 200M
Unit = Per/metre.

(i) Labour

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

(ii) Machinery

(a) Hire charge of boat-40 quintal capacity = 2 Nos.	e 1872.00	Rs 3744.00
(b) Hire charge of diesel pump (pumping set) = 1 No	e 300.00	Rs 300.00
(c) Diesel for Pumping set = 8 Lit	e 77.00	Rs 616.00
(d) Hire charge of Jet pipe and pipe assembly = 1 No	e 200.00	Rs 200.00
Total:		Rs 4860.00 (B)

Total (A+B) = Rs 7456.50

Add 6% OH Rs 447.39

For 200M = Total Rs 7903.89

P/M = 39.52 ✓

- ② Labour for fitting & fixing 62mm to 75mm dia Bamboo runner -
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	e Rs 345.00	Rs 43.125
(b) Unskilled Mergdoor = 0.25 No	e Rs 287.00	Rs 71.750

(ii) Materials:-

Cost of 150mm long 0.50 kg	e Rs 60.03	Rs 30.02
- Nails or G.I. wires		
Total:		Rs 144.895

Add 6% OH Rs 8.690

Total = 153.585

For 30.5 M → 153.585

P/Metre → Rs 5.04 ✓

I

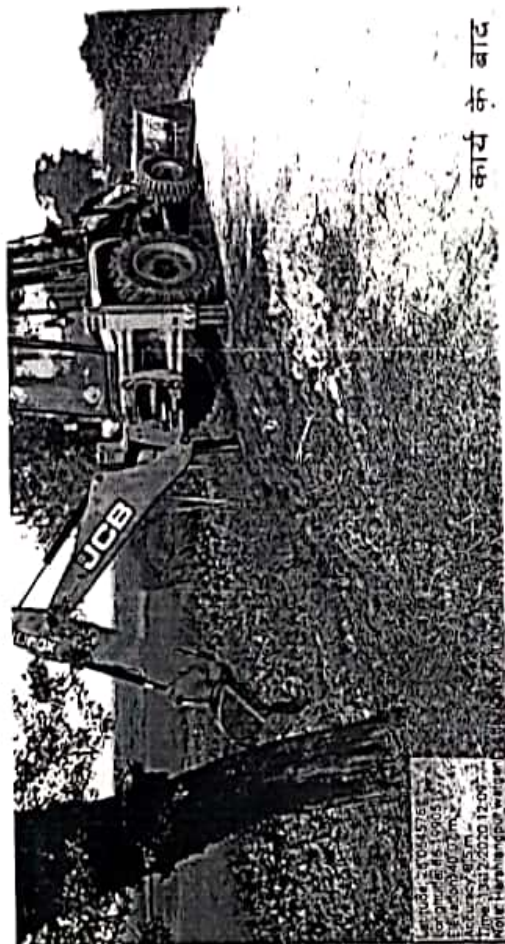
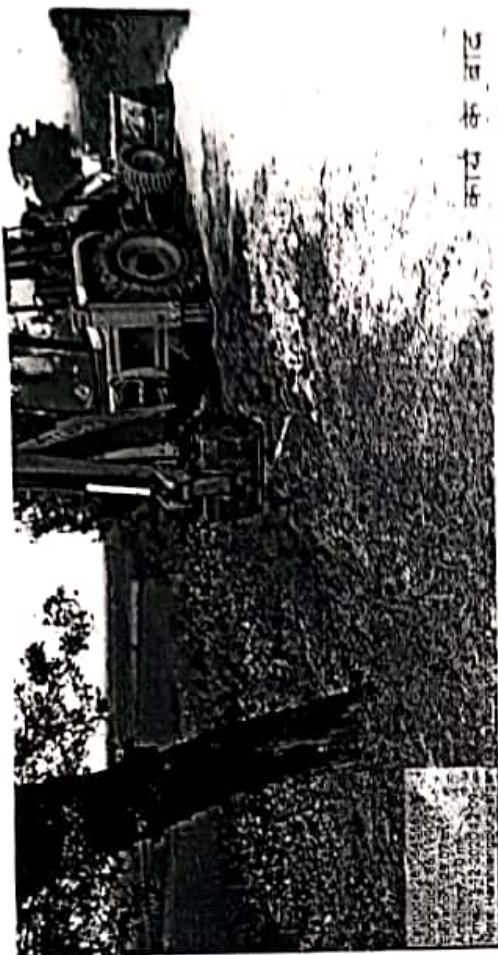
A.

Supplying of Sand Bag (with OH)					
Basic Rate of Sand Bag (Including cwt+sand)	Per Bag	8.26	8.26	8.26	
Add overhead Charges	6%	0.53		0.53	
Total		9.39		9.39	
1 No Cement Bag filled with 40 kg./1.2 Cuft Sand					
Conversion factor :1m ³ =35.3146667ft ³					
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 Sand Bag		280.71	0.034	9.52	
Cost of Labour for Filling Sand Bag, stitching and					
Placing (with OH)					25.11
Total (A+B+C) = 9.39+9.52+6.20					
Total Cost per Bag (without Gst+Lc+Sl)					25.11

B.

C.

Hansing pur wazgonis to Shivtola ya Primary School -

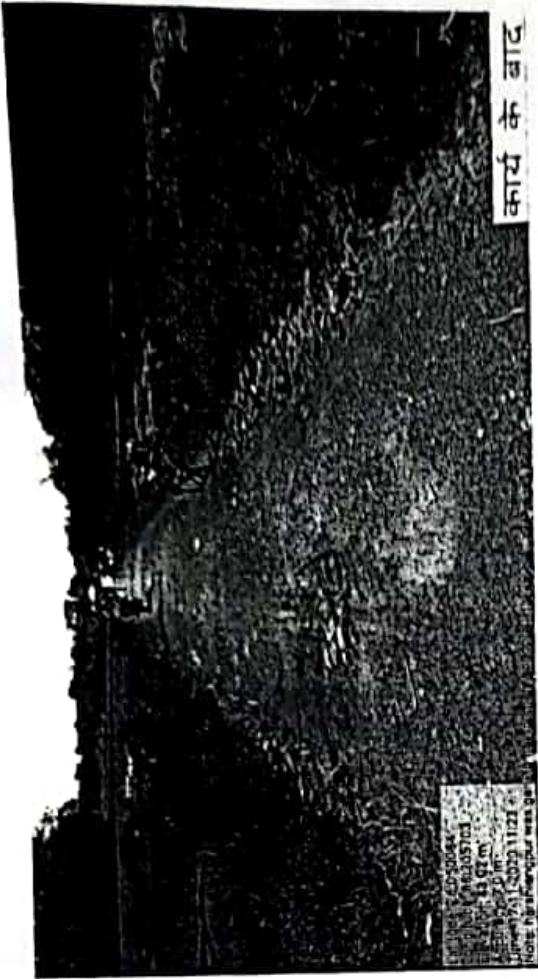


requs
J-E

[Signature]

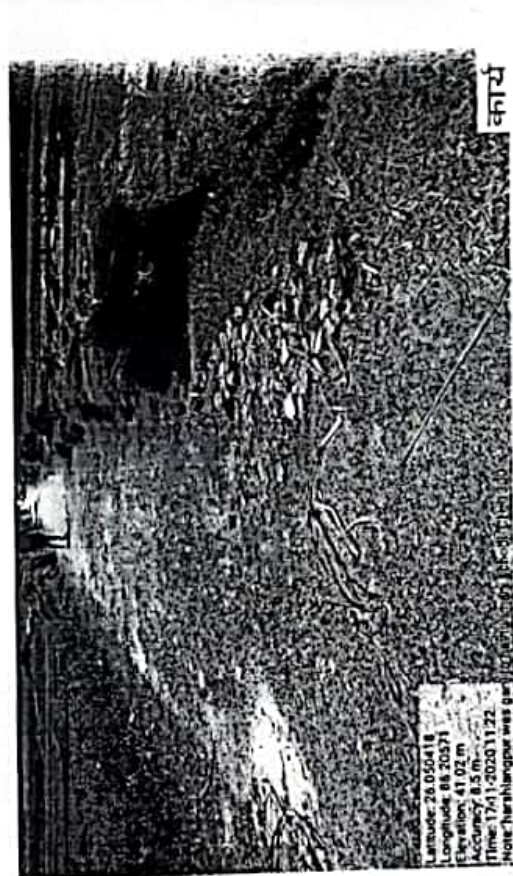
A-E

[Signature]
E-E



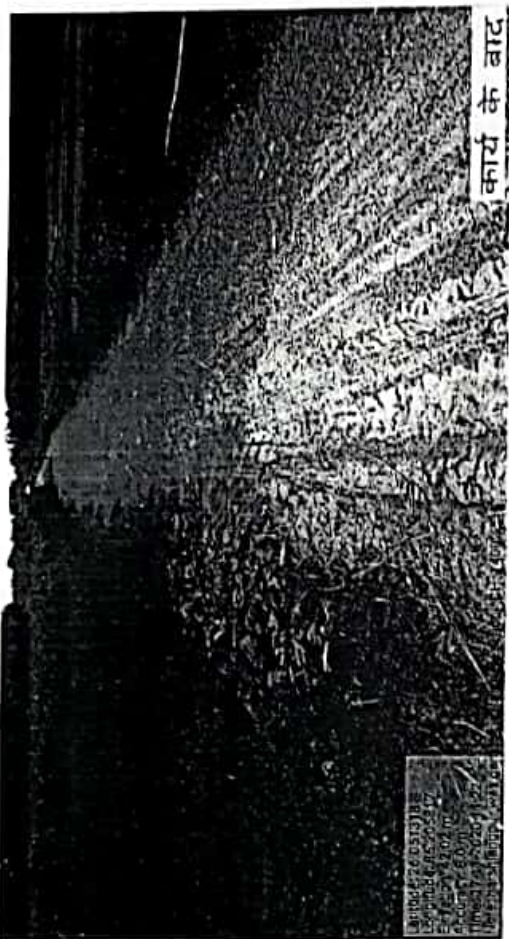
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(8)



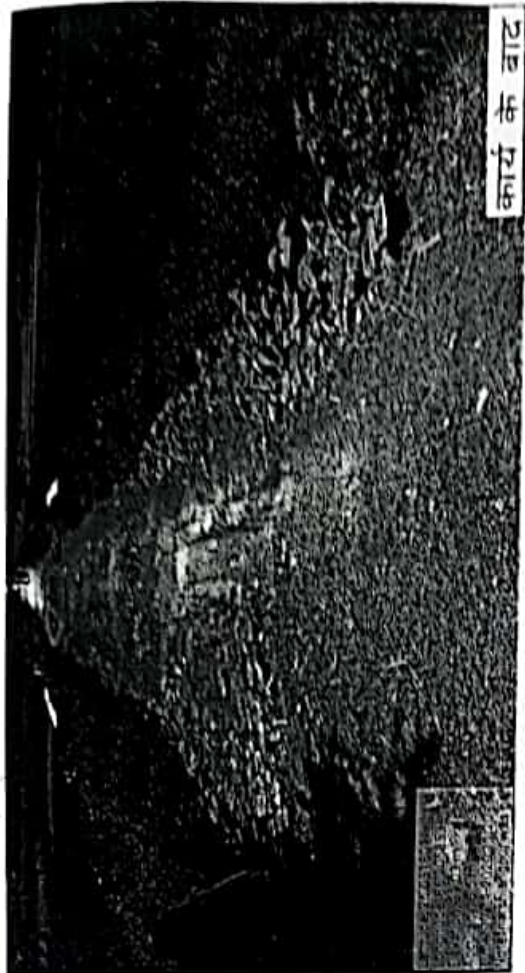
Handwritten signature and 'A.E'.

Handwritten signature and 'J.E'.



कार्य के बाद

Latitude: 26.0513188
Longitude: 85.205817
Elevation: 18.02 m
Accuracy: 5.5 m
Time: 17/11/2020 11:20
Note: The background was gray.



कार्य के बाद



कार्य के बाद

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कार्य के बाद

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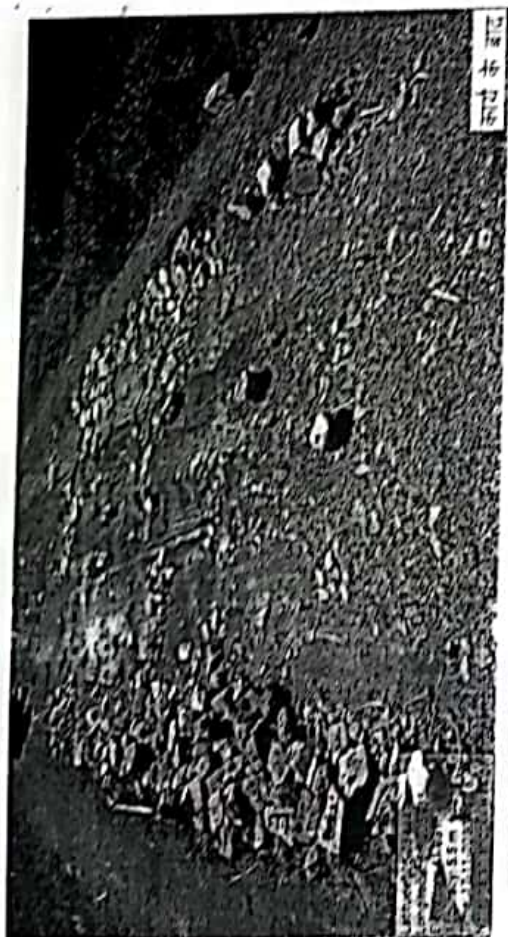
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J.E

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A.E

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E.E



17 46 17 16



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ASPD
J-E


A-E



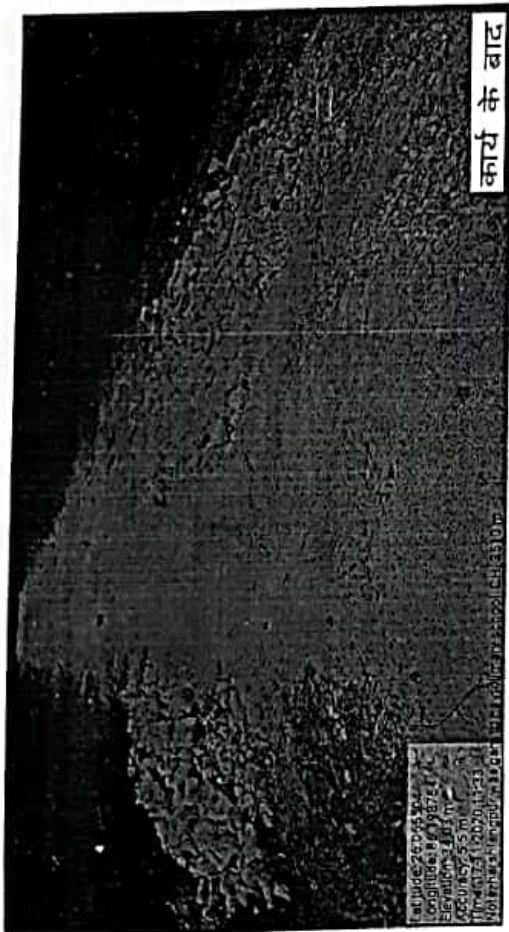
SE
E-E



कार्य के बाद
J-E

कार्य के बाद
A-E

कार्य के बाद
E-E

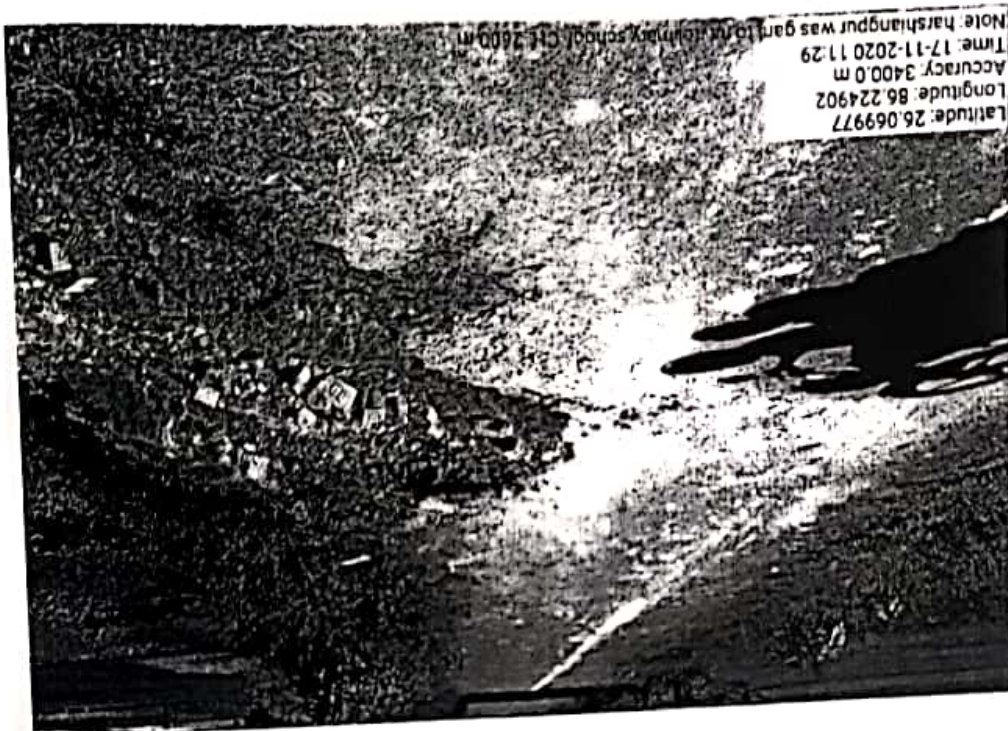


3-E

A-E

3-E

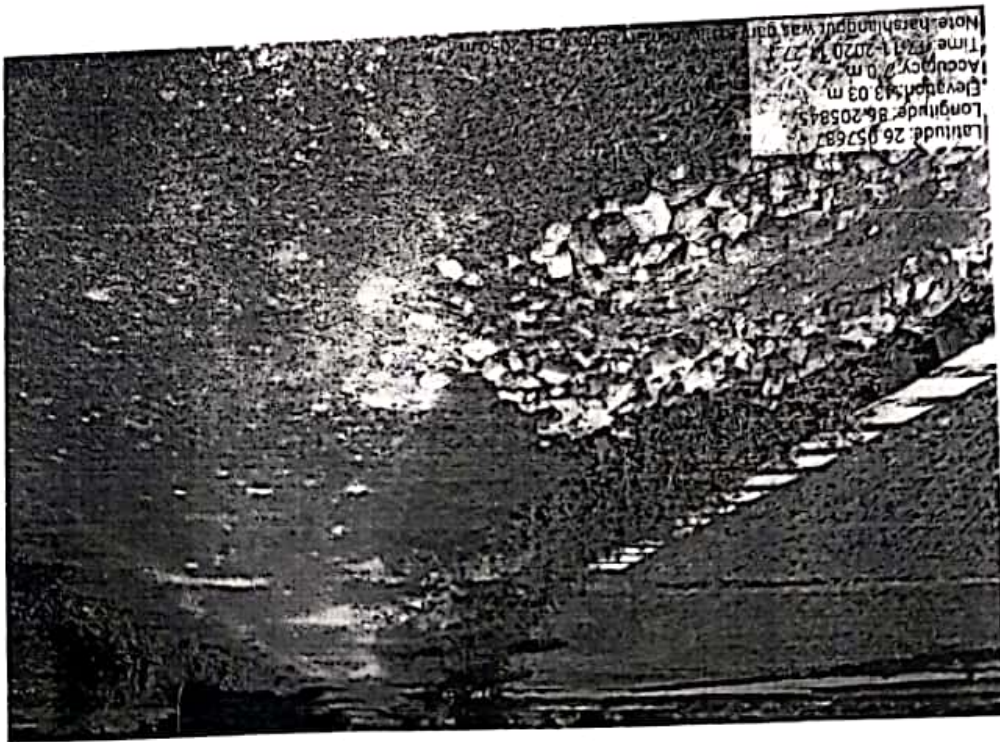
5118 2-4 m/c



Note: Harshiangpur was gar...
 Time: 17-11-2020 11:29
 Accuracy: 3400.0 m
 Longitude: 86.224902
 Latitude: 26.069977

3-E

3-E



Note: Harshiangpur was gar...
 Time: 17-11-2020 11:29
 Accuracy: 3400.0 m
 Longitude: 86.205845
 Latitude: 26.052697

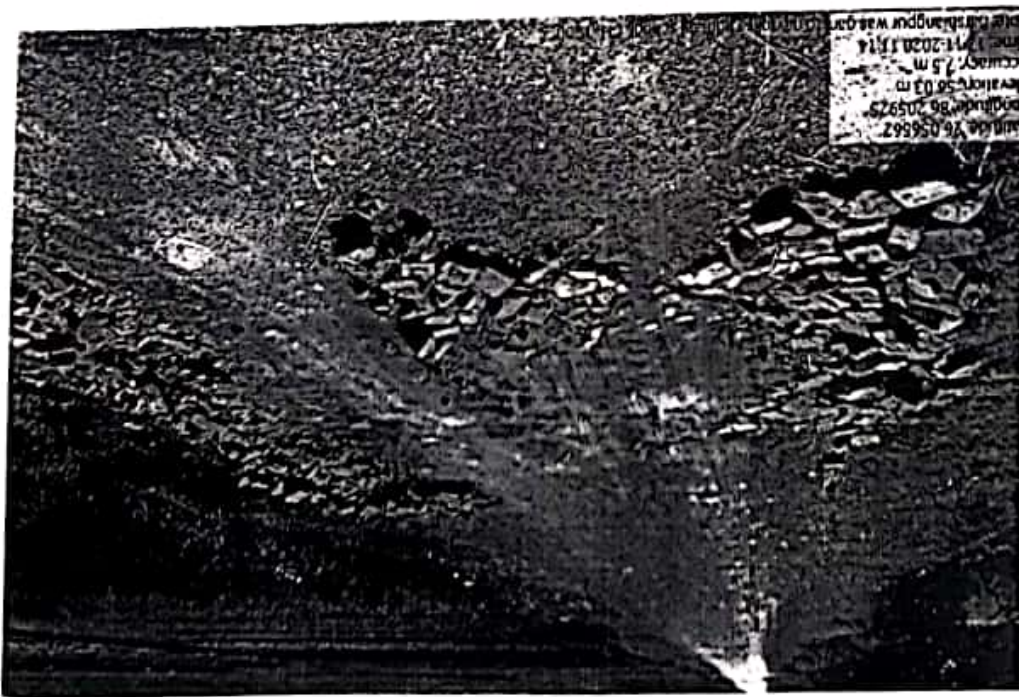
3-E



Latitude: 26.05728
 Longitude: 86.205892
 Elevation: 43.03 m
 Accuracy: 7.5 m
 Time: 17-11-2020 18:26
 Note: Harshadpur was gang to gavitamary school

3-E
 1/4

3-A
 1/4



Latitude: 26.05667
 Longitude: 86.205925
 Elevation: 50.03 m
 Accuracy: 7.5 m
 Time: 17-11-2020 18:14
 Note: Harshadpur was gang

3-E
 1/4

1/4
 1/2
 1/4

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১৩৫



T. E.

T. F.

~~44~~ A-E

A.E

W
W

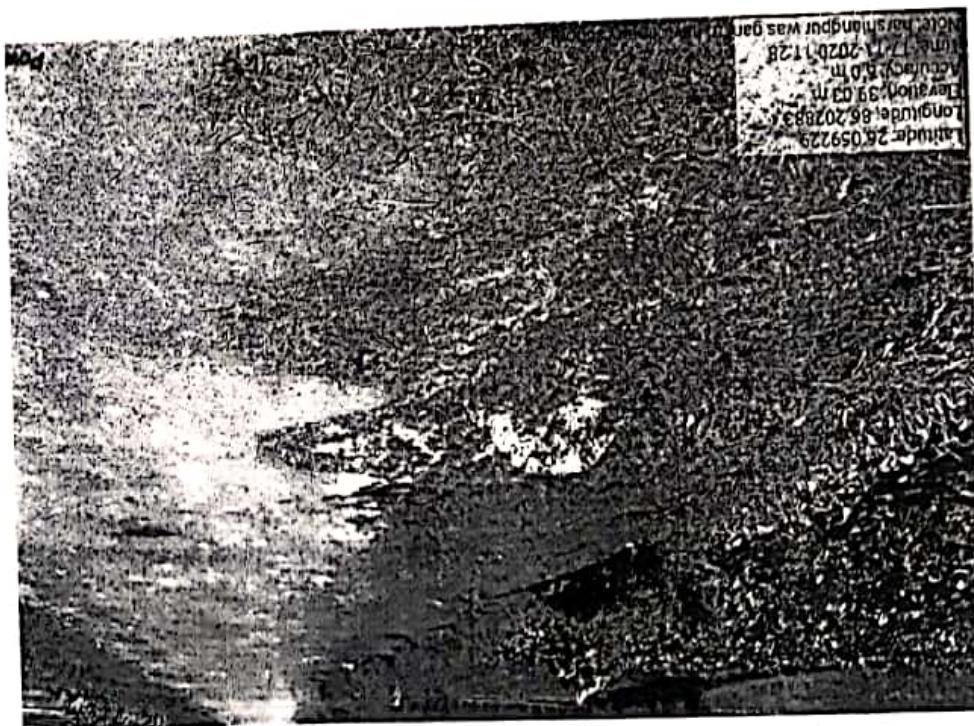
333

uap / 26 932



Latitude: 26.062335
Longitude: 86.199299
Elevation: 33.03 m
Accuracy: 6.0 m
Time: 17-11-2020 11:30
Note: harshangpur was gar

3.E
A.E



Latitude: 26.059229
Longitude: 86.202883
Elevation: 39.03 m
Accuracy: 6.0 m
Time: 17-11-2020 11:28
Note: harshangpur was gar

3.E
A.E