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प्रतिवेदन

पथ का नाम :- 704. pohadi to Hamuman Nagar
पथ की लं० :- 33.00 km
प्राक्कलित राशि :- 3,61,665/-
3,34,415=00

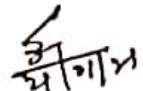
माह जुलाई अगस्त में हुई अतिवृष्टि के फलस्वरूप विभिन्न नदियों एवं नालों में आये बाढ़ के चलते अधिकांश पथ क्षतिग्रस्त हो गये एवं यातायात बाधित हो गया।

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।


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 - T04 Rohadi to Hemuman Nagar.

Item No - (1)

Providing & Laying brick pitching with
Brick bats including Loading um Lorry
and Light Romening all complete
Job -

Qty.

4.00m x 10.0m x 0.30m	=	12.00m ³
6.00m x 2.00m x 0.40m	=	4.80m ³
15.00m x 1.50m x 0.40m	=	9.00m ³
10.00m x 1.00m x 0.30m	=	3.00m ³
8.00m x 1.00m x 0.50m	=	4.00m ³
5.00m x 1.50m x 0.30m	=	2.25m ³
4.00m x 1.00m x 0.50m	=	2.00m ³
7.30m x 1.50m x 0.40m	=	4.38m ³
4.00m x $\frac{(1.50+2.00)}{2}$ x 0.40m	=	2.80m³
8.00m x 1.50m x 0.60m	=	7.20m ³
15.00m x 1.80m x 0.40m	=	10.80m ³
20.00m x 1.50m x 0.40m	=	12.00m ³
4.00m x 3.00m x 0.40m	=	4.80m ³
5.00m x $\frac{(1.00+2.00)}{2}$ x 0.30m	=	2.25m³
4.00m x 1.00m x $\frac{(0.30+0.60)}{2}$	=	1.80m³
5.00m x 3.00m x 0.40m	=	6.00m ³
6.00m x 1.00m x 0.40m	=	2.40m ³
8.00m x 1.80m x 1.00m	=	5.40m ³
9.00m x 1.80m x 0.60m	=	5.94m ³
4.00m x 1.40m x 0.60m	=	3.36m ³
CO →		106.23m ³

Qty.
106.23 m³
BF — 109.66 m³

$$10.00 \times 2.00 \times 1.00 = 20.00 \text{ m}^3$$

$$8.00 \times 2.50 \times 0.50 = 10.00 \text{ m}^3$$

$$7.50 \times 3.00 \times \frac{(0.60 + 0.70)}{2} = 14.62 \text{ m}^3$$

$$\text{total} = 44.62 \text{ m}^3$$

$$\text{Qty} = 150.85 \text{ m}^3$$

$$150.85 \text{ m}^3 @ 1867.76 / \text{m}^3 = 281752.00$$

Add- 12% GST —

$$33810.00$$

Add- 4% L.C —

$$2818.00$$

Add- S.F. 10% —

$$150.85 \text{ m}^3 \times 10.63.00 \times 10 = 16035.00$$

$$17269.00$$

$$\text{total} = 3,61,665.00$$

$$3,34,415.00$$

15/12/2020
D.R.

15/12/2020
D.R.

15/12/2020
D.R.

B.F — 3,34,415.00

कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य
प्रमोखा, जमनगर के पत्रांक 798 अनु० दि० 05-04-2021
के द्वारा समर्थित जॉच परिवेदन के आधार पर —

Post facto T/A for ₹ 3,34,415.00
(Rupees three lacs, thirty four thousand,
four hundred & fifteen) only—

14.04.21
Superintending Engineer
RWD Works Circle, Darbhanga
14/04/21

FOR FDR JULY 2020.

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

BY TRACTOR. [without c.p.] for Departmental work

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

$$\text{Factor} [5.6/25] = 1.60$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

नोट:- मिट्टाबुहार एवं प्लासटिक रेंडो/पिम्पनी की डूरी का प्रयोग प्रकृता में हुआ जायेगा। साथ ही डूरी के आधार पर की दुलाई की व्यवस्था भी जायेगा।

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

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

(B) Haulage excluding Loading and unloading, spacking
Haulage of Materials by Tractor

Unit = t.k.m
 Taking output 3.60 tonnes load and lead 10 km = 36.0 t.k.m

(i) Surface Road

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

(a) Machinery

Tractor 3.6 tonne Capacity
 (Time taken for one way haulage with load) = 0.667 @ 549.10/hour = Rs 366.25
 (Time taken for empty return) = 0.400 @ 549.10/hour = Rs 219.64
 Rs 35.15

(b) Over head (OH) charge 6%

Cost for 36 t.k.m = Rs 621.04
 Rate per t.k.m = 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 one way 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.k.m = Rs 970.27
 Rate per t.k.m = Rs 26.95 ✓

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

Using 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 700 = 6 Min

(i) Labour

Rate = 0.03 @ 305 = 9.15
 Unskilled Labour for loading/unloading 0.72 @ 287 = Rs 206.64

(ii) Machinery

Tractor 3.6 t Capacity 0.1 @ 549.10/hour = Rs 54.91
 Front end loader 1.50 m³ capacity 0.083 @ 1403.00/h = Rs 116.45

(iii) Over head (OH) 6%

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 all complete job.

Taking output = 200M
Unit = Per/metre.

(i) Labour

(a) Unskilled Mergdoor = 5 Nos.	@ Rs. 287.00	Rs. 1435.00
(b) Semi Skilled Mergdoor = 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 boat-40 Quintal Capacity = 2 Nos.	@ 1872.00	Rs. 3744.00
(b) Hire charge of diesel pump (pumping set) = 1 No	@ 300.00	Rs. 300.00
(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. 4860.00 (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 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	@ Rs. 345.00	Rs. 43.125
(b) Unskilled Mergdoor = 0.25 Nos	@ Rs. 287.00	Rs. 71.750

(ii) Material:-

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

Add 6% CH = Rs. 8.690

Total = ~~153.585~~

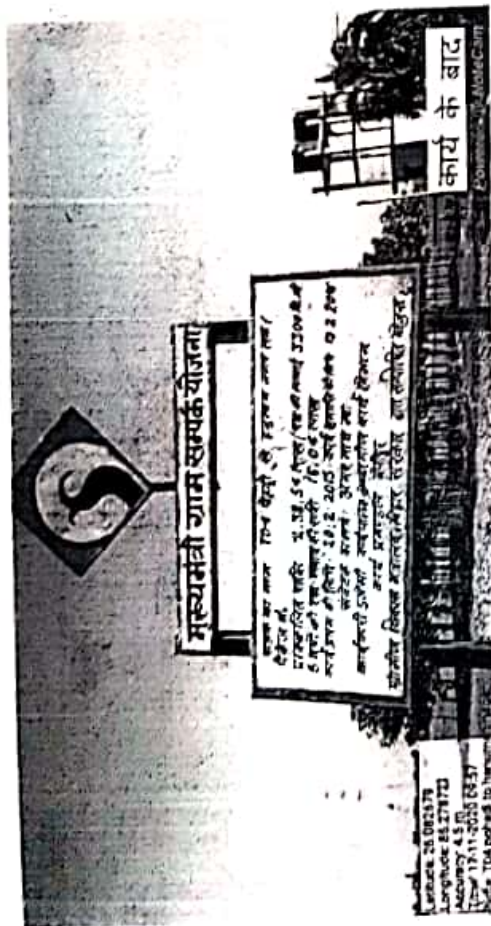
For 30.5 M → 153.585

P/Metre → Rs. 5.04 ✓

1				
A.				
Supplying of Sand Bag (with OH)				
Basic Rate of Sand Bag (Including chit+ sand)				
Add overhead Charges	Per Bag	8%	8.26	
Total		6%	0.53	9.39
1 No Cement Bag filled with 40 kg./1.2 Cuft Sand				
Conversion factor : $1\text{m}^3 = 35.3146667\text{ft}^3$				
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				
Surface Lead	KM	2		
Katcha Lead	KM	1		
Factor(3.6/2.25)	Cum	1.6		
Carriage (with OH)				
$(1.6 \times 2 \times 17.25) + (1.6 \times 1 \times 26.95) + 182.39$				
Cost of Carriage of Sand in Filling of Sand Bag			280.71	
Cost of Labour for Filling Sand Bag, stitching and Placing (with OH)				
Total (A+B+C) = $9.39 + 9.52 + 6.20$				
Total Cost per Bag (without Gst+Lc+Sf)			25.11	

B.

C.



सड़क

J-8

सड़क

A-8

सड़क



2.8

A.E

2.8

A.E



Latitude: 26.092724
Longitude: 86.265549
Elevation: 48.89 m
Accuracy: 8.0 m
Time: 17-11-2020 10:11
Note: T04 posted to Haridwar

कार्य के बाद



Latitude: 26.093804
Longitude: 86.266833
Elevation: 44.89 m
Accuracy: 12.0 m
Time: 17-11-2020 10:12
Note: T04 posted to Haridwar

कार्य के बाद



Latitude: 26.095521
Longitude: 86.267118
Elevation: 51.89 m
Accuracy: 8.0 m
Time: 17-11-2020 10:13
Note: T04 posted to Haridwar

कार्य के बाद



Latitude: 26.095373
Longitude: 86.276194
Elevation: 45.97 m
Accuracy: 8.0 m
Time: 17-11-2020 10:13
Note: T04 posted to Haridwar

कार्य के बाद

✓
S.E

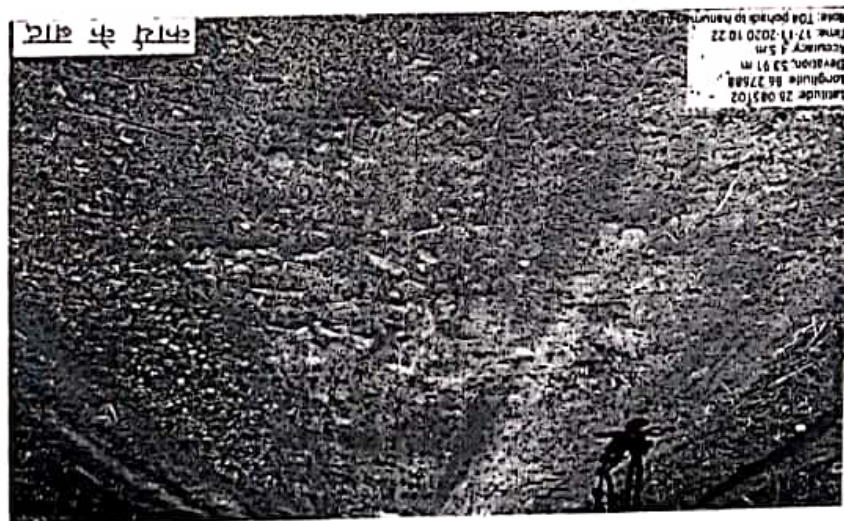
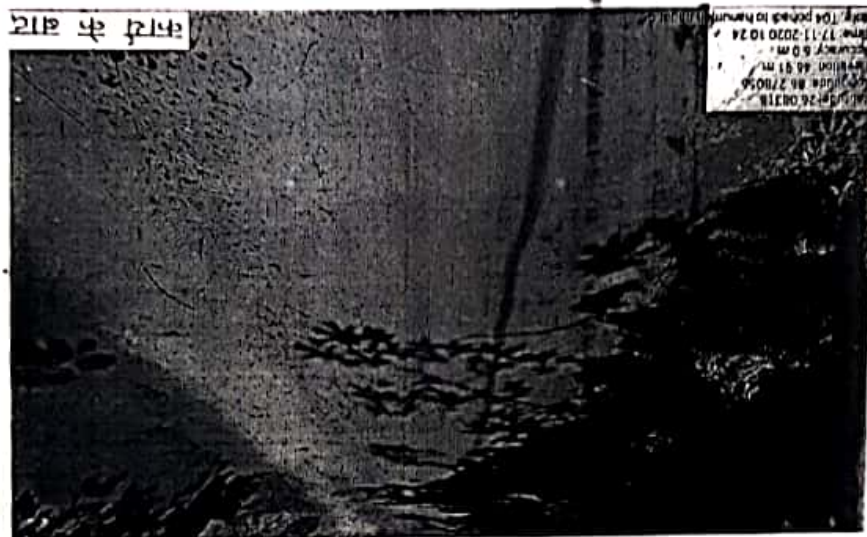
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A-E

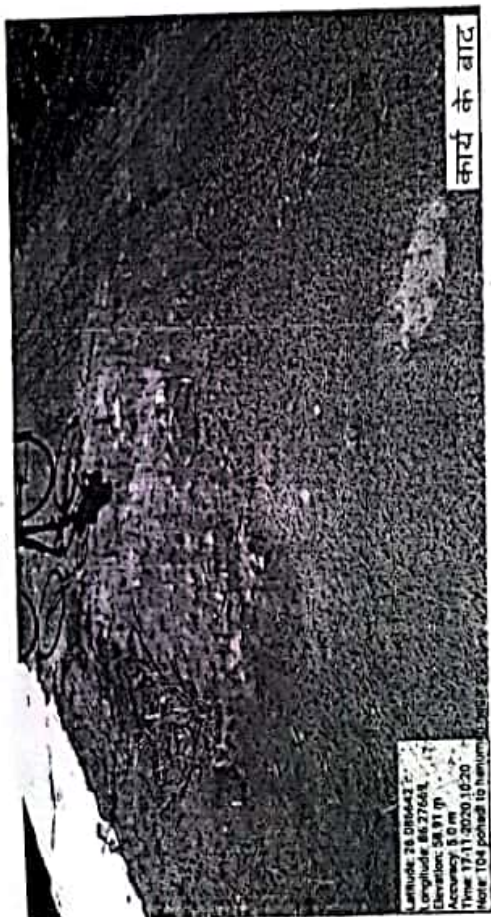
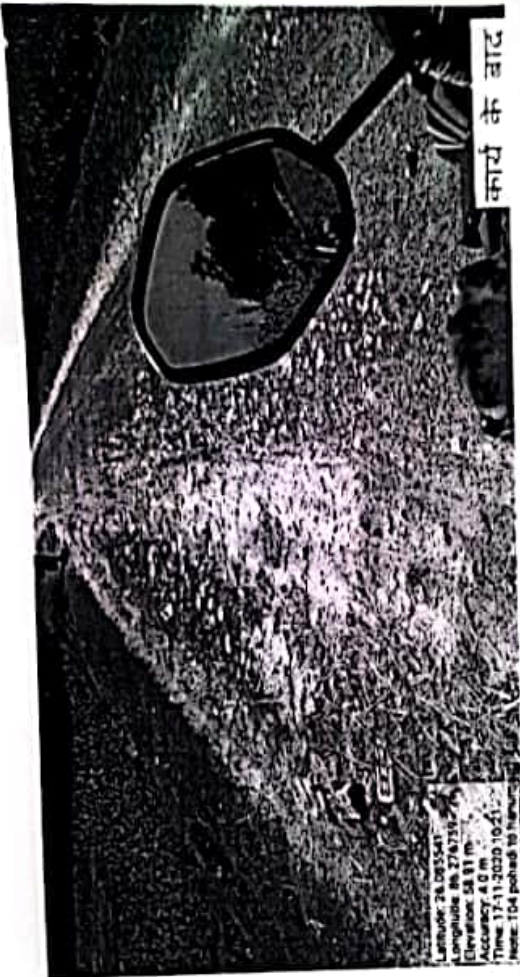
3.3
✓

3.4

3.5

3.5





W
E.E

A.E

W
J.E



12-8

12-8

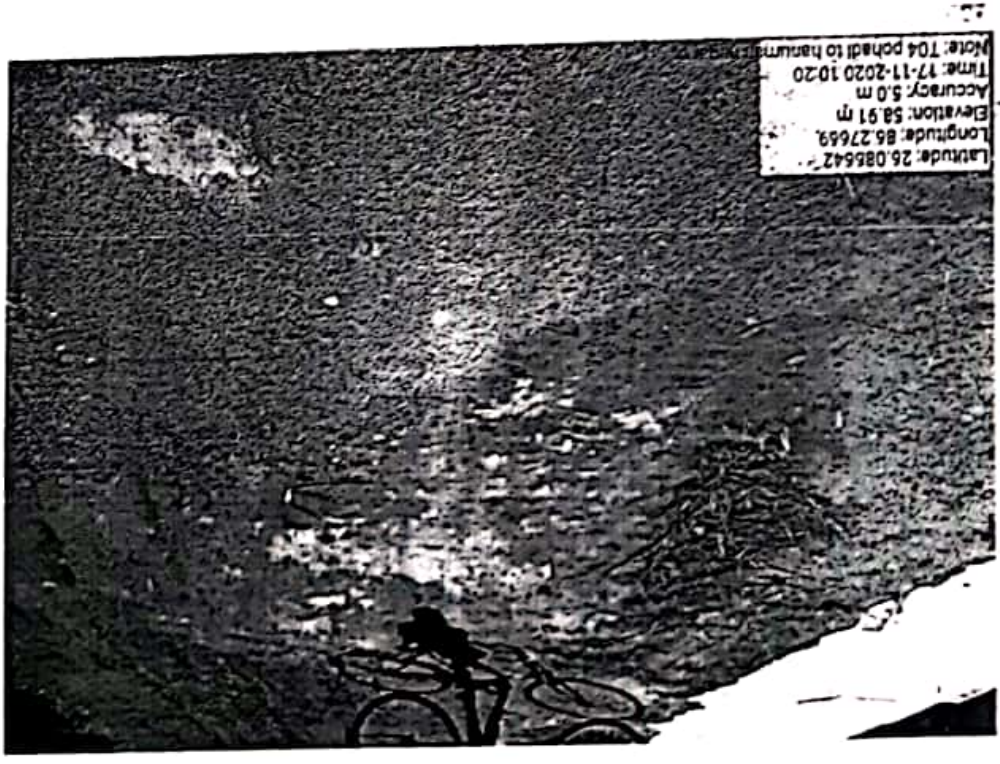


12-8

3.3
2

3.4
[Signature]

3.5
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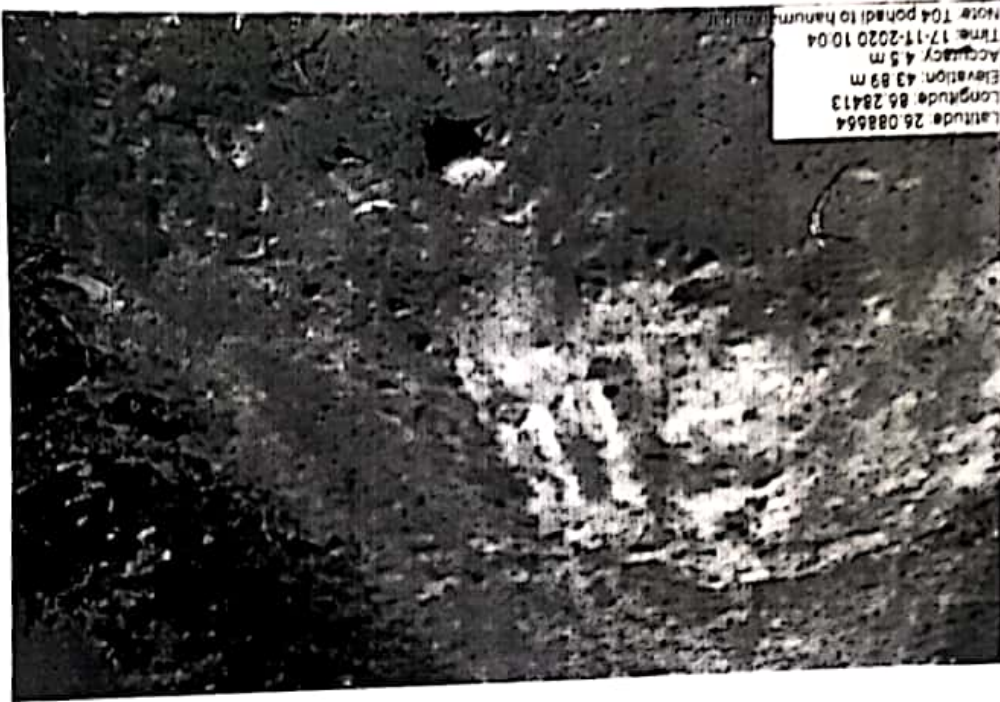
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3.3
3

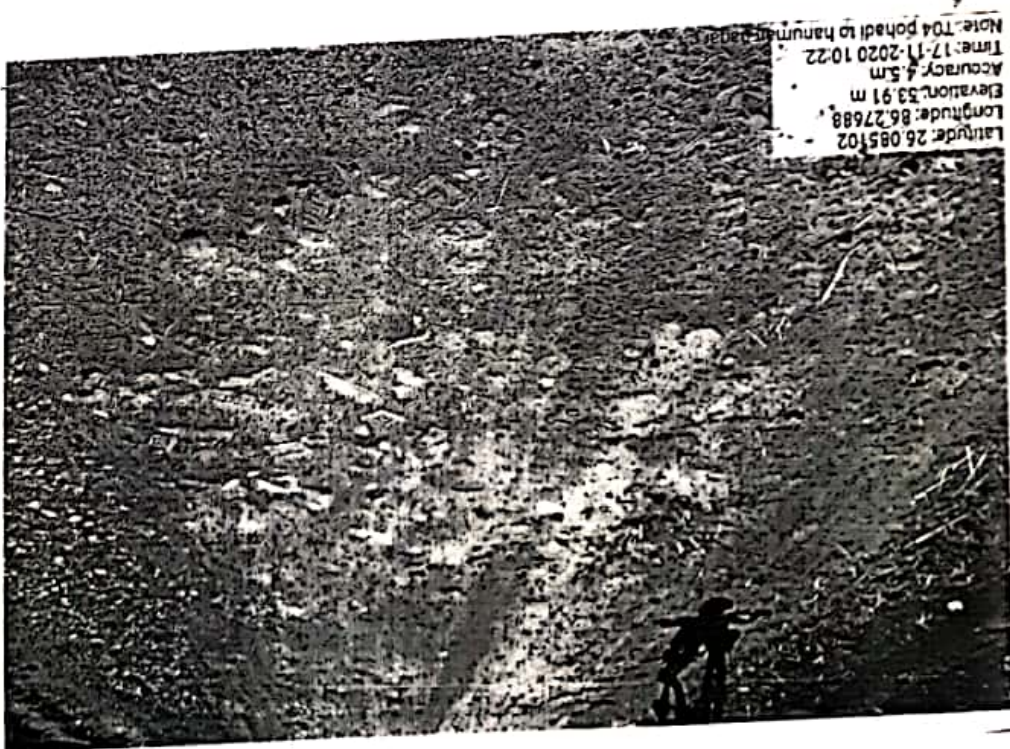
A-2

J. E

17/11



Latitude: 26.088564
Longitude: 86.28413
Elevation: 43.89 m
Accuracy: 4.5 m
Time: 17-11-2020 10:04
Note: T04 pohadi to hamunm...



Latitude: 26.085102
Longitude: 86.27688
Elevation: 53.91 m
Accuracy: 4.5 m
Time: 17-11-2020 10:22
Note: T04 pohadi to hamunm...

T04 pohadi to Hamunm Nagar.

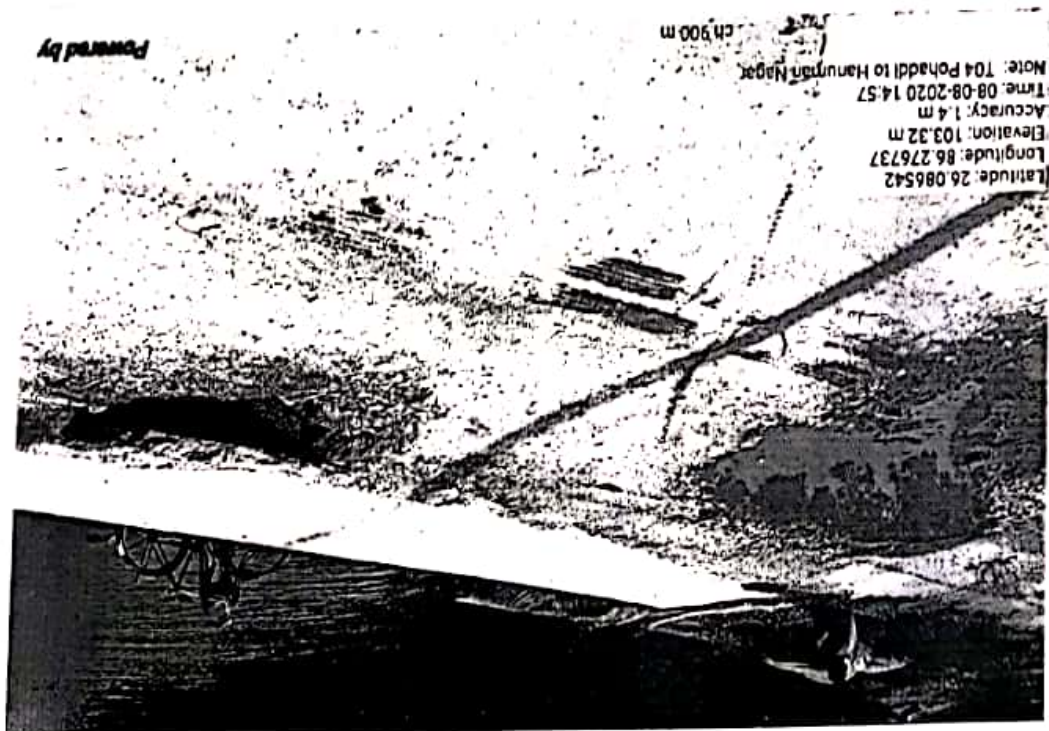
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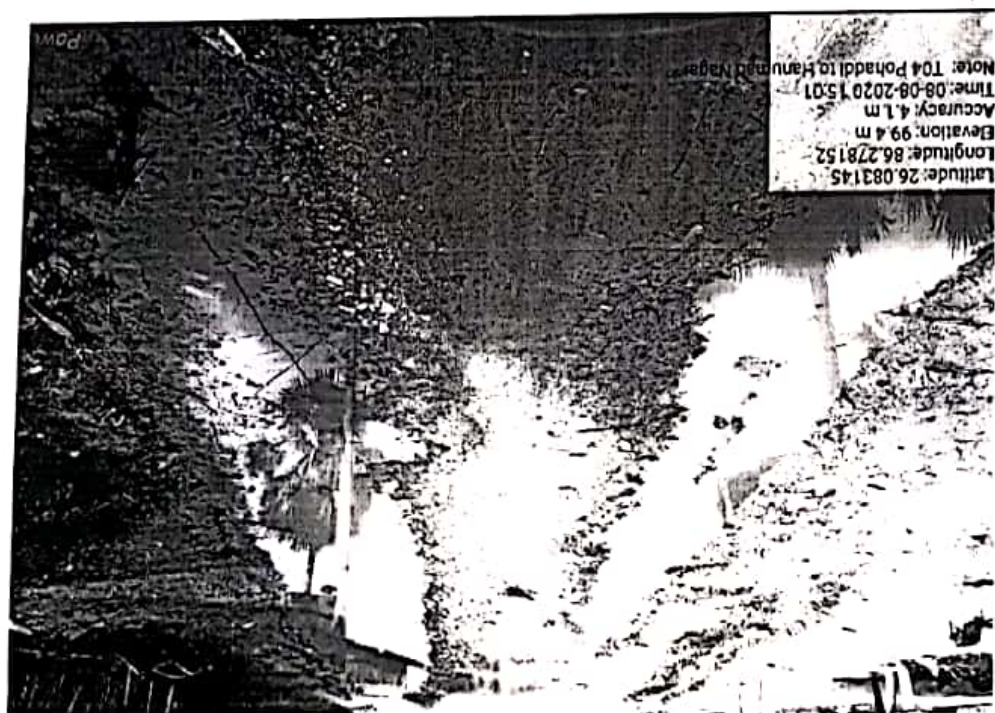
A-3

3-3

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24.08



24.08



2.3



2.3