



ग्रामीण कार्य विभाग

पथ का नाम :- REPAIR OF कैबनार से मल्लिगा तक पथ।
 कार्य प्रमण्डल :- बेनीपुर।
 कार्य अंचल :- दरभंगा।
 प्रखण्ड का नाम :- तारडीह।
 प्राक्कलित राशि :- 10,62,962 = NO
 8,9,17,942 = NO

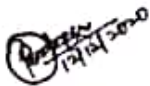
प्रतिवेदन

पथ का नाम :- ~~कैथार~~ सी गहिया तक पथ ।
पथ की लं० :- 6.5KM
प्राक्कलित राशि :- 10,62,962=0

यह प्राक्कलन मो०.....10,62,962=0.....का बनाया गया है। ज्ञातव्य हो कि विगत माह जुलाई-अगस्त 2020 में अतिवृष्टि एवं बाढ़ के कारण तारडीह प्रखण्ड के बहुत से सड़क में दुटान हो गया। विभागीय आदेश -मु० अ०-04(मु०) विविध कार्य 23-40/2016-2729 अनु० दिनांक-21.08.2020 एवं कार्यपालक अभियंता महोदय के आदेश के अनुपालनार्थ यह प्राक्कलन बनाया गया है। प्राक्कलन में सड़क की अधिक गड्ढी खाई में मिट्टी भरकर तदनुपरान्त ईट टुकड़ा की एक समुचित परत डाल कर यातायात सुलभ हेतु मजबुतीकरण की गई है। फलैंक में क्रॉस पाइलिंग के उपरान्त सीमेंट की खाली बोरी में स्थानीय बालू भरकर सीमेंट कंक्रीट सड़क को बचाने का काम किया गया है।

प्राक्कलन वर्तमान में कार्य अंचल दरभंगा की अनुसूचित दर पर तैयार किया गया है।

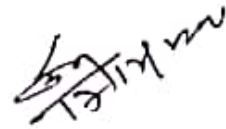
प्राक्कलन की स्वीकृति कार्य हीत एवं जनहीत में अपेक्षित है।


कनीय अभियंता,

ग्रामीण कार्य विभाग,
कार्य प्रशाखा तारडीह


सहायक अभियंता,

ग्रामीण कार्य विभाग,
कार्य अवर प्रमण्डल तारडीह,


कार्यपालक अभियंता,

ग्रामीण कार्य विभाग
कार्य प्रमण्डल बेनीपुर

Abstract of Cost.

1. पथ का नाम :- कैलाश से गहिरा तक पथ
2. प्राक्कलित राशि :- 10,62,962=0
3. कार्य प्रगण्डल :- बेनीपुर।
4. प्रखण्ड :- तारडीह।

i. Providing and laying of brick bats in with carriage by tractor loading with front end loader with light ramming etc all complete jobs as per specifications and direction of E/I.

455.59 $\times$ 486.33 m³ @ Rs 1940.16/m³ = 838,358.00
 Add U.S.T 121. = 100,603.00
 Add I.T. L.C. = 8384.00
 Add S.F. (486.33 X 1063.0 X 10.1) = 48429.00
 455.59 $\times$ 486.33 = 221,121.00
 Total = 9,95,774.00

JE
RWD, Work section
Tardih.

AE
RWD, Works Sub division
Tardih.

EE
RWD, Works Division
Benipur.

अभिपालक अभियंता, रा.प. व. वि., आ.प्र.म. उ.प्र. के प्रमुख - 798 रु.।
 दिनांक 07.04.2021 के द्वारा सन्निहित जांच प्रमाणों के आधार पर।

Post facto T/A for Rs 9,95,774.00 (Rupees Nine Lacs -
 ninety five thousand nine hundred and seventy four only).

Superintending Engineer
 RWD Works Circle, Darbhanga

राई का नाम - कंधार से गाँव तक पथ - 650m
 कार्य प्रमाण - खेनीपुर
 खोज का नाम - (तासीफ)

Flood damage Road Estimate - July 2020

Items of work		Qty
Providing and Laying of 8cm Bds with concrete by Tonnor loading front end loader with Light Rummage etc as per specification of E/L		
Quantity	Length	Measurement details
0	—	
15	30M	$30m \times \left(\frac{3.51 + 3.50}{2} \right) \times 0.60m (Av) = 65.25m^3$
	30M	$30m \times \left(\frac{3.50 + 4}{2} \right) \times 0.55m (Av) = 61.87m^3$
	30M	$30m \times \left(\frac{4 + 3.60}{2} \right) \times \left(\frac{0.60 + 0.75}{2} \right) = 76.95m^3$
	12M	$12m \times \left(\frac{3.60 + 3.75}{2} \right) \times \left(\frac{0.60 + 0.75}{2} \right) = 18.61m^3$
340M	10.50M	$10.50m \times (2.80m \times 0.25m (Av)) = 7.35m^3$
	2M	$2m \times 0.60m \times 0.20m (Av) = 1.04m^3$
430M	3M	$3m \times 1.50m \times 0.10m (Av) = 0.45m^3$
	3.50M	$3.50m \times 1.40m \times 0.15m (Av) = 0.73m^3$
620M	3M	$3m \times \left(\frac{3.40 + 3}{2} \right) \times 0.20m (Av) = 1.92m^3$
	8M	$8m \times \left(\frac{3.50 + 3}{2} \right) \times 0.30m (Av) = 7.80m^3$
660M	15M	$15m \times \left(\frac{0.80 + 0.90}{2} \right) \times 0.25m (Av) = 3.18m^3$
690M	5M	$5m \times 3.05m \times 0.25m (Av) = 3.81m^3$
700M	2M	$2m \times 1.0m \times 0.15m (Av) = 0.30m^3$
730M	2.50M	$2.50m \times 1.50m \times 0.20m (Av) = 0.75m^3$
1050M	2M	$2m \times 2m \times 1.0m \times 0.15m (Av) = 0.60m^3$
1050M	3M	$3m \times 0.70m \times 0.15m (Av) = 0.40m^3$
1120M	18M	$18m \times \left(\frac{2 + 2.1 + 1}{3} \right) \times 0.45m (Av) = 13.77m^3$
1250M	15M	$15m \times \left(\frac{2 + 1.80}{2} \right) \times 0.65m (Av) = 18.52m^3$
		283.30m ³

Physically verified and corrected as per site
 07/07/20
 AE
 283.30m³
 E/L

रांड का नाम - केदार खो गाहिया तह पर - 6.50 KM

कार्ग प्रमण्डल - खेनीपुर

खोड का नाम - (ताखीर)

Flood damage Road estimate - July 2020

No	Items of work	Qty
(1)	Providing and Laying of Brick Bats with concrete by Trencher loading front end loader with Light Running etc all complete 703 as per specification of E/L	
Chainage	Length (m)	Measurement details
0	—	54.38
15	30M	$30m \times \left(\frac{3.75 + 3.50}{2} \right) \times 0.50m (Av) = 65.25m^3$
	30M	$30m \times \left(\frac{3.50 + 4}{2} \right) \times 0.55m (Av) = 61.27m^3$
	30M	$30m \times \left(\frac{4 + 3.60}{2} \right) \times \left(\frac{0.60 + 0.75}{2} \right) = 62.70m^3$
	12M	$12m \times \left(\frac{3.60 + 3.70}{2} \right) \times \left(\frac{0.60 + 0.25}{2} \right) = 18.61m^3$
340M	10.50M	$10.50m \times (2.80m \times 0.25m (Av)) = 7.35m^3$
430M	2M	$2m \times 2.60m \times 0.20m (Av) = 1.04m^3$
	3M	$3m \times 1.50m \times 0.10m (Av) = 0.45m^3$
	3.50M	$3.50m \times 1.40m \times 0.15m (Av) = 0.73m^3$
620M	3M	$3m \times \left(\frac{3.40 + 3}{2} \right) \times 0.20m (Av) = 1.92m^3$
	8M	$8m \times \left(\frac{3.50 + 3}{2} \right) \times 0.30m (Av) = 7.80m^3$
660M	15M	$15m \times \left(\frac{0.80 + 0.90}{2} \right) \times 0.25m (Av) = 3.18m^3$
680M	5M	$5m \times 3.05m \times 0.25m (Av) = 3.81m^3$
700M	2M	$2m \times 1.0m \times 0.15m (Av) = 0.30m^3$
730M	2.50M	$2.50m \times 1.50m \times 0.20m (Av) = 0.75m^3$
1020M	2M	$2m \times 2m \times 1.0m \times 0.15m (Av) = 0.60m^3$
1050	3M	$3m \times 0.70m \times 0.15m (Av) = 0.40m^3$
1120M	18M	$18m \times \left(\frac{2 + 2.4 + 1}{3} \right) \times 0.45m (Av) = 13.77m^3$
1250M	15M	$15m \times \left(\frac{2 + 1.80}{2} \right) \times 0.65m (Av) = 18.52m^3$
		252.56m ³
		266.81m ³
		283.50m ³

JE

AE

Qty = 283.50m³
266.81m³
252.56m³

EE

P.T.O

1312-2020
 रोड का नाम - केलापुर से गहिरा पारा - 6.50km
 कार्य प्रजापल - मनीपुर,
 ब्लॉक - (ताड़ीह)

Flood Damage Road Estimate - July-2020

S.No	Items of work		Measurement details	Qty
	Chainage (m)	Length (m)		
			$\frac{252.56m^3}{282.30m^3}$	
	1280	2M	$2m \times 2.50m \times 0.10m (Av) = 0.50m^3$	
	1300m	2.10m	$2.10m \times 1.20m \times 0.15m (Av) = 0.378m^3$	
	1450m	30M	$30m \times \left(\frac{3.50+3.60}{2}\right) \times 0.45m (Av) = 47.92m^3$	
		21m	$21m \times \left(\frac{3.60+3.20}{2}\right) \times 0.60m (Av) = 42.84m^3$	
	1500m	30M	$30m \times \left(\frac{1.50+1.45}{2}\right) \times 0.45m (Av) = 19.57m^3$	
	1750m	7M	$7m \times 2.10m \times 0.30m (Av) = 4.41m^3$	
	1780m	10m	$10m \times \left(\frac{1.20+1}{2}\right) \times 0.30m (Av) = 3.30m^3$	
	1850m	12M	$12m \times \left(\frac{3.05+3.0}{2}\right) \times 0.20m (Av) = 10.89m^3$	
	1890m	3M	$3m \times \left(\frac{0.90+1}{2}\right) \times 0.25m (Av) = 0.71m^3$	
	1900m	13M	$13m \times \left(\frac{2.30+2.1}{2}\right) \times 0.75m (Av) = 21.45m^3$	
	2000m	4M	$4m \times \left(\frac{2.10+1.90}{2}\right) \times 0.15m (Av) = 1.20m^3$	
	Lost Clearance	40M	$40m \times \left(\frac{3.25+3.40}{2}\right) \times \left(\frac{0.30+0.45}{2}\right) = 49.87m^3$	
			$\frac{486.33m^3}{419.97m^3}$ $455.59m^3$	$455.59m^3$ $419.98m^3$ $486.33m^3$
			JE AE EE	

FOR FDR JULY 2020.

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

BY TRACTOR (without C.P) for Departmental work

$$\textcircled{1} \quad \begin{aligned} \text{Surface lead} &= 7 \text{ K.M} \\ \text{Katchha lead} &= 1 \text{ K.M} \end{aligned} \quad \left. \begin{array}{l} \\ \end{array} \right\} 8 \text{ K.M} \\ \text{Factor } [3.6/2.25] = 1.60$$

$$\text{ie Carriage Cost (with OH)} = [(1.60 \times 7 \text{ K.M} \times 17.25) + (1.60 \times 1 \text{ K.M} \times 26.95) + 182.39] \\ = \text{Rs } 418.71$$

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

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

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

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

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

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

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

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

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

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

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

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

$$\text{Total Cost of Bricks bats P.M.B.} = 1126.78 + 335.91 + 322.27 = \text{Rs } 1784.96$$

$$\text{[without GST + LC + SF]}$$

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

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

$$\text{Total Cost of Bricks bats P.M.B.} = 1126.78 + 308.31 + 322.27 = \text{Rs } 1757.36$$

$$\text{[without GST + LC + SF]}$$

नोट - मिट्टा/बालू का सही ढंग से गड़वा/चिमनी की डूबी का प्रयोग आकलन में दर्शाया जाएगा। साथ ही डूबी के आधार पर ही डूबाई की आकलन किया जाएगा।

(A) Labour for laying brick bats/shama kha including light running 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 for M³ = Rs 322.27 ✓

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

Unit = t.k.m
 Taking output 3.60 tonnes load and haul 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 transport)
 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 load (OH) charge 6%
 = Rs 621.04
 Cost for 36 t.k.m
 Rate for 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 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%
 = Rs 970.27
 Cost for 36 t.k.m = Rs 26.95 ✓
 Rate per t.k.m

(C) Loading and unloading brick bats/shama kha/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 for 6 minutes

(i) Labour

Rate = 0.03 @ 305.00/day = Rs 9.15
 Unskilled Labour for loading/unloading 0.72 @ 287/day = Rs 206.64

(ii) Machinery

Tractor 3.6 t Capacity 0.1 @ 549.10/hour = Rs 54.91
 front end loader 1 cum bucket 0.083 @ 1402.00/h = Rs 116.15
 Rs 23.23

(iii) Over load (OH) = 6%

Cost for 2.25 M³ = Rs 410.38

Rate per M³ = Rs 182.39 ✓

(D) Supply of brick bats (with OH)
 Basic Rate of Brick bats @ 1063.00 / Rs 1126.78 ✓
 Add 6% OH Rs 63.76

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 out put = 200M
Unit = Per/Metre.

(i) Labour

(a) Unskilled Magdoor = 5 Nos	e Rs. 287.00	Rs 1435.00
(b) Semi Skilled Magdoor = 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 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 out put = 30.50M
Unit = per M

(i) Labour:-

(a) Carpenter Gr II = 0.125 Nos	e Rs 345.00	Rs 43.125
(b) Unskilled Magdoor = 0.25 No	e Rs 287.00	Rs 71.750

(ii) Materials:-

Cost of 150mm long 0.50 kg nail or G.I. wires	e Rs 60.03	Rs 80.02
Total:		Rs 144.895

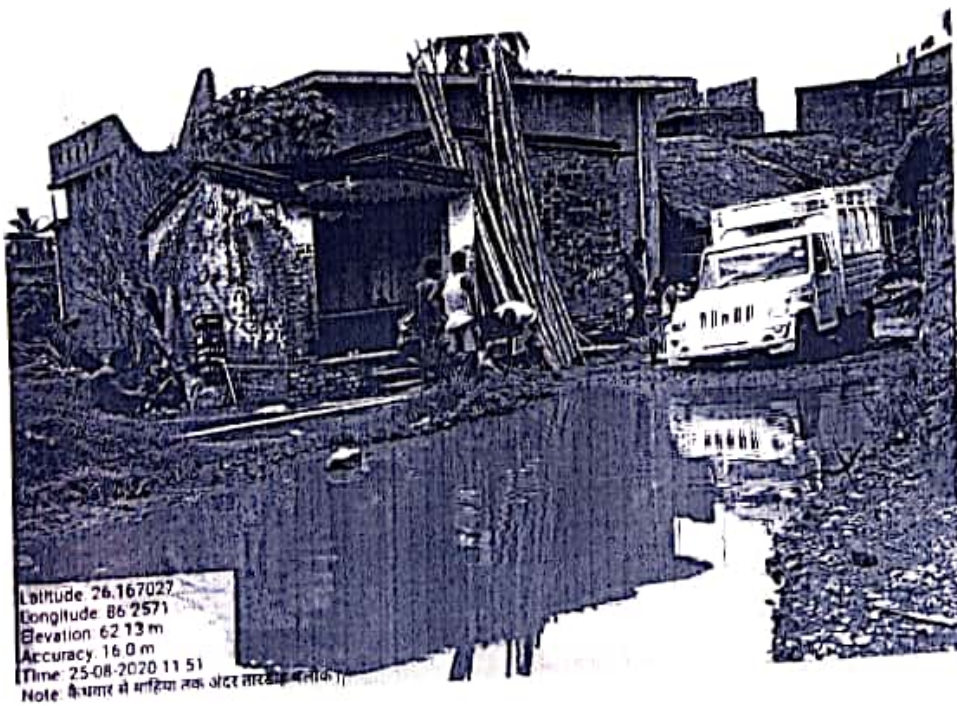
Add 6% OH Rs 8.690

Total = 153.585

For 30.5 M → 153.585

Rate = Rs 5.04

का का मा — केदार से महिमा तक

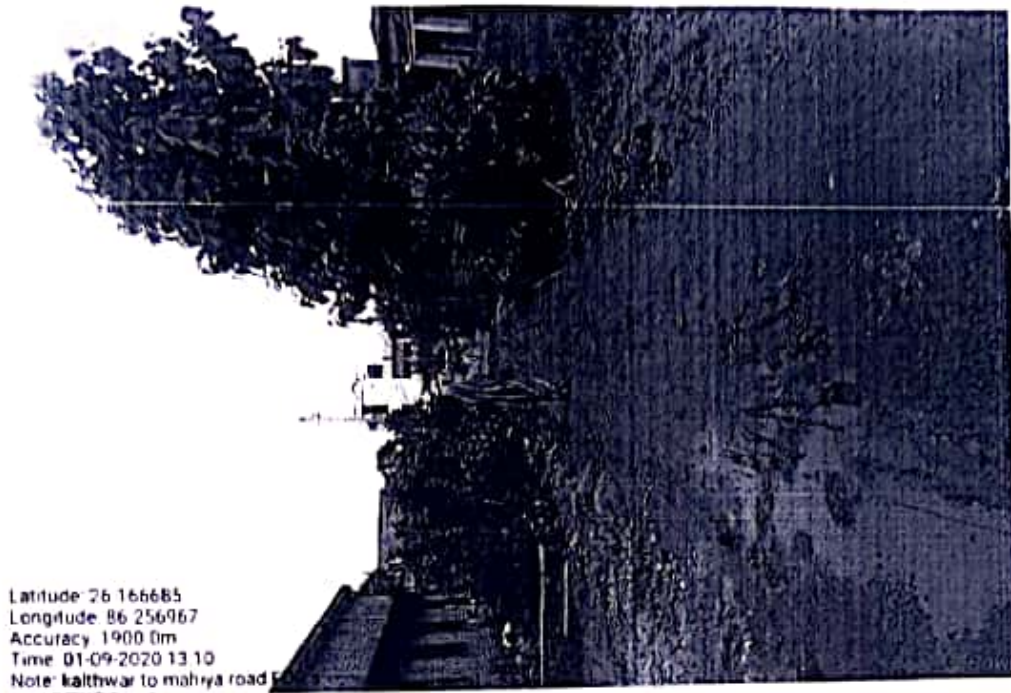


JE
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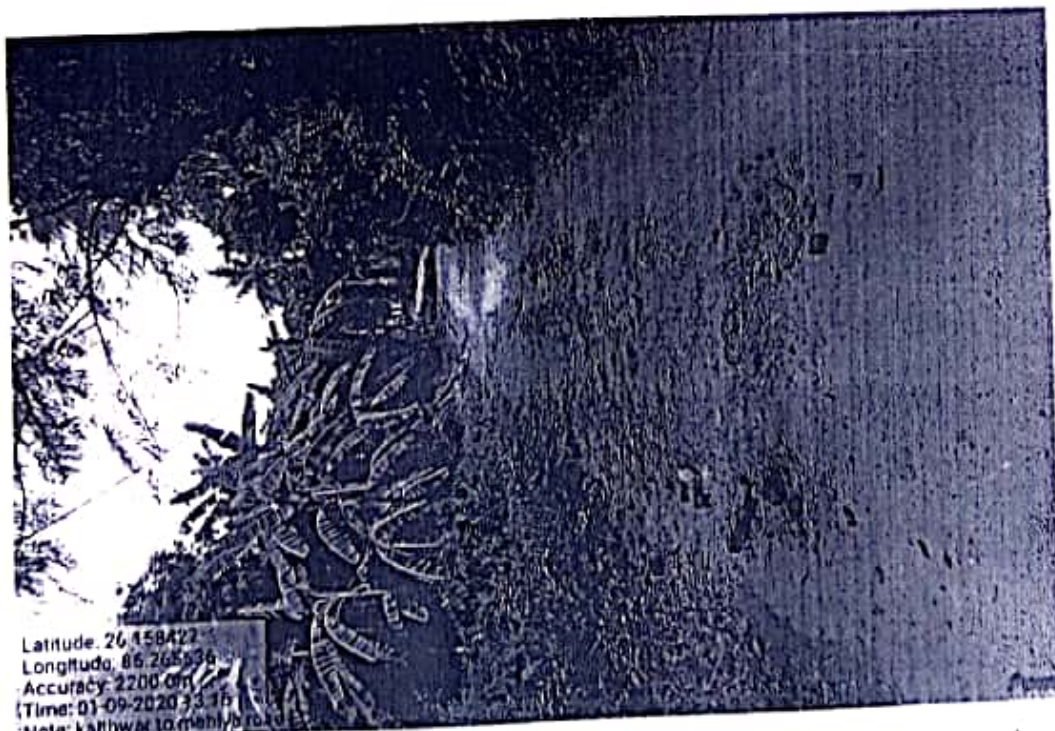
Q. Datta
12/12/2020
AE
Tardik

EE

151 81 1111 - 1111 11 1111



Latitude: 26.166685
Longitude: 86.256967
Accuracy: 1900.0m
Time: 01-09-2020 13:10
Note: kalthwar to mahiya road



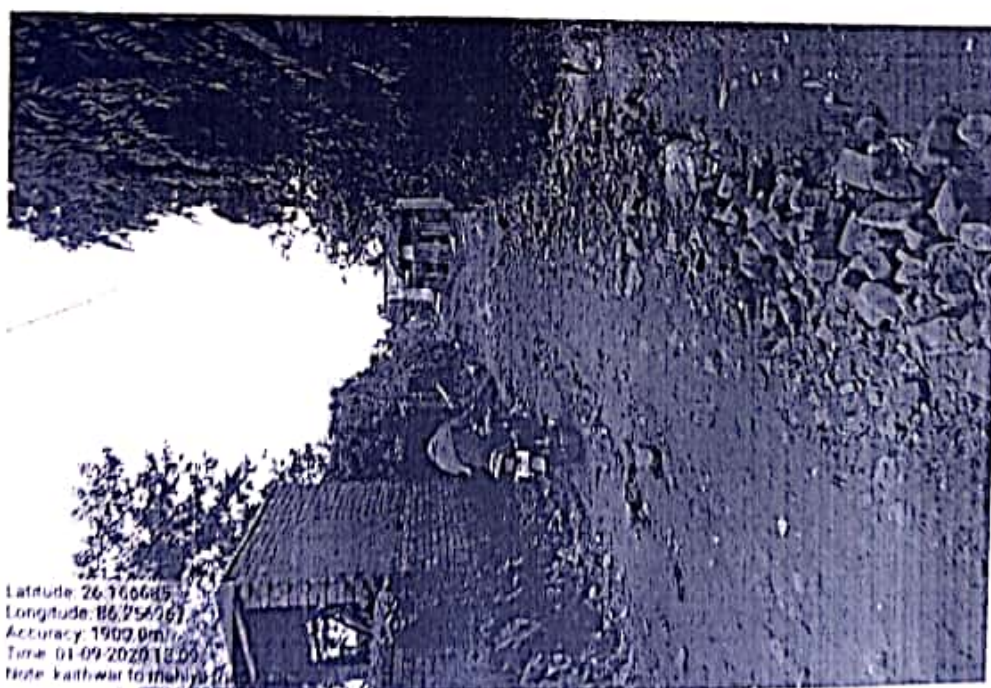
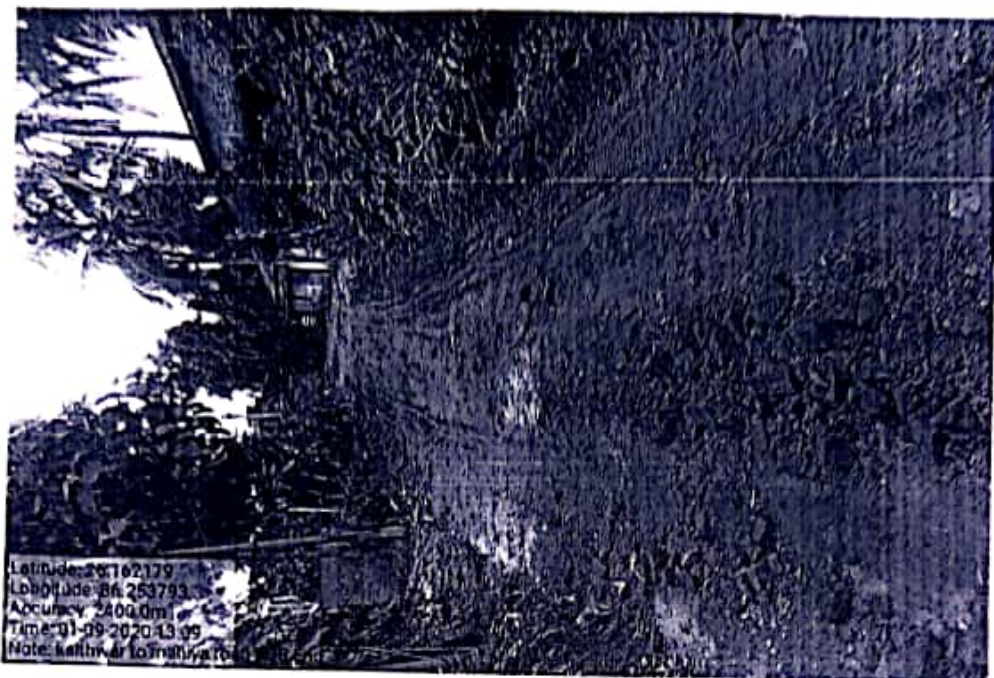
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Longitude: 86.265536
Accuracy: 2200.0m
Time: 01-09-2020 13:15
Note: kalthwar to mahiya road

Pratibha
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RWD, Tardah

पत्र सं. ००० - २००० के १०००



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Rud, Ranyar