



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

FLOOD DAMAGE REPORT

DETAIL ESTIMATE OF RESTAURATION WORK

YEAR (2021-2022)

DISTRICT :- BHOJPUR
DIVISION :- ARA
BLOCK :- AGIAON

NAME OF ROAD	:-	PWD ROAD-TARACHAK
LENGTH OF ROAD	:-	1.53 K.M
YEAR OF RESTORATION	:-	2021-22
COST OF RESTORATION	:-	Rs 444100.00
TOTAL COST OF PROJECT	:-	Rs. 4441 Lacs 374 /acs

SUBMITTED BY :-

EXECUTIVE ENGINEER
RURAL WORKS DIVISION ARA
BHOJPUR

S. No.	District	Division	Road Name	Scheme	Road Status	Is Mainstream (Y/N)	Is Agreement (Y/N)	Length in Km.	Length of Damage Part Due to Flood	Estimated Amount in Lakhs	Actual Amount in Lakhs	Remarks	FIN Year	Start Longitude	Start Latitude	End Longitude	End Latitude	Start Longitude	End Longitude	Start Latitude	End Latitude	Remarks
1	Bhopal	Arb	PWTO Road Turchak	New MR	Completed	No	No	1.53	0.3	7	0	Departmental	2021-22	88.673632	25.13636	88.673632	25.13636	88.673632	88.673632	25.13636	25.13636	Departmental
2	Bhopal	Arb	TUC-2 Chhatarpur	New MR	Completed	No	No	1.7	0.3	10	0	Departmental	2021-22	88.673632	25.13636	88.673632	25.13636	88.673632	88.673632	25.13636	25.13636	Departmental
3	Bhopal	Arb	OS2-T04 to Madampur (VR52)	New MR	Completed	No	No	2	0.3	7	0	Departmental	2021-22	88.673632	25.13636	88.673632	25.13636	88.673632	88.673632	25.13636	25.13636	Departmental

तकनीकी प्रतिवेदन

जिला : भोजपुर

योजना का नाम : PWD पथ से ताराचक पथ में रेस्टोरेशन का कार्य।

पथ की लम्बाई : 1.53 कि० मी०।

प्राक्कलित राशि : 4.441 लाख।

प्रस्तुत प्राक्कलन उपरोक्त कार्य हेतु तैयार किया गया है। यह पथ नारायणपुर कारवासीन पथ से ताराचक ग्राम को जोड़ने वाला एकमात्र पथ है। ताराचक ग्राम की पुरी आबादी इसी पथ पर निर्भर है। इस पथ के किनारे से एक करहा का पानी बहता है। विगत दिनों में हुई भारी वर्षा के कारण इस पथ को कॉफी क्षति पहुँची है। इस पथ का कुछ पथांश ध्वस्त हो चुका था। यातायात अवरुद्ध था, पथ में बड़े बड़े गढ़े हो गये थे। पथ में सुगम यातायात हेतु ईट का टुकड़ा डालकर पथ को चालु किया गया है। यह कार्य विभागीय स्तर पर किया गया है।

यह प्राक्कलन, कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमण्डल आरा के निदेश पर तैयार किया गया है। प्राक्कलन में प्रयुक्त दर वर्तमान अनुसूचि दर (01.04.2021 से प्रभावी) पर आधारित है। कार्य हित में तकनीकी एवं प्रशासनिक अनुमोदन अपेक्षित है।


25/04/21

कनीय अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रशाखा अगिर्यौव।


31/7/2021

सहायक अभियंता,
ग्रामीण कार्य विभाग,
कार्य अवर प्रमण्डल अगिर्यौव।


प्र/07/21

कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमण्डल आरा।

E.D.R

YEAR (2021- 2022)

RESTAURATION WORK

GENERAL ABSTRACT OF COST

District : PWD ROAD-TARACHAK
Division : ARA
Block : AGIAON
Name of Road : PWD ROAD-TARACHAK
Length of Road : 1.53 K.M

SL.	Item of Work	Amount	
1	TOTAL COST OF RESTORATION	=	373998 4,44,119.34
2	COST OF OTHER WORK	=	0.00
	SUB TOTAL	=	373998 4,44,119.34
	Total Cost of Project	Rs.	4,44,119.34
	SAY	Rs.	373998 4,44,100.00

Bay 3.74 lacs

Junior Engineer

RWD WORKS SECTION

AGIAON

Asstt. Engineer

RWD WORKS SUB-DIVISION

AGIAON

Executive Engineer

RWD WORKS DIVISION

ARA

Previously in anticipation of admin approval
& for facts technically sanctioned for 3.74 lacs (Rupees
Three lacs seventy four thousand
only

Superintending Engineer
Rural Works Department
Works Circle, ARA

SUMMARY OF COST FOR THE FDR PROJECT

NAME OF ROAD	:	PWD ROAD-TARACHAK
DISTRICT	:	BHOJPUR
BLOCK	:	AGIAON
CONSTITUENCY	:	AGIAON
LENGTH OF ROAD (in Km)	:	1.53 K.M
LENGTH OF BT PAVEMENT	:	1.53 K.M
LENGTH OF CC PAVEMENT	:	0
No. HABBITATION SERVED	:	1

Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
1	MAIN WORK	
I	PREPARATORY WORKS	= 0.00
II	BRICK BATS WORK	= 323618 = 385672.08
	TOTAL	= 323618 = 385672.08
	Add 12% GST on Total Amount	= 38834 = 46280.65
	Add 1% Labour Cess on Total Amount	= 3236 = 3856.72
	Seigniorage Fees @ 10%	= 8309.89 ✓
	SUB TOTAL (A)	= 373998 444119.34 ✓
2	CROSS DRAINAGE STRUCTURES	
I	HUME PIPE	= 0.00
II	RCC	= 0.00
III	BOX	= 0.00
IV	Utility Pipe (300 mm Dia)	= 0.00
V	DISMANTLING OF CD	= 0.00
VI	REPAIR OF CD WORK	= 0.00
	TOTAL	= 0.00
	Add 12% GST on Total Amount	= 0.00
	Add 1% Labour Cess on Total Amount	= 0.00
	Seigniorage Fees @ 10%	= 0.00
	SUB TOTAL (B)	= 0.00
	TOTAL COST OF RESTORATION (A+B)	= 373998 = 444119.34 ✓

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25/07/21

Junior Engineer
RWD WORKS SECTION
AGIAON

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31/7/21

Asstt. Engineer
RWD WORKS SUB-DIVISION
AGIAON

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31/07/21

Executive Engineer
RWD WORKS DIVISION
ARA

DETAIL ESTIMATE OF FDR										
Name of Site:		PWD ROAD-TARACHAK								
1	RCD	Brick Bats								
Providing and filling Brick Bats in ditches including cost of Brick Bats and labour all Complete job as per specification and direction of E/L.										
		U	L	B		D		QTY		
		Cum	9.50	1.44	Avg	0.85	Avg	11.63		
		Cum	12.30	1.95	Avg	0.75	Avg	17.99		
		Cum	9.00	1.50	Avg	0.50	Avg	6.75		
		Cum	10.00	1.80	Avg	0.75	Avg	13.50		
		Cum	8.00	1.50	Avg	0.45	Avg	5.40		
		Cum	7.50	2.10	Avg	0.60	Avg	9.45		
		Cum	12.50	2.40	Avg	0.75	Avg	22.50		
		Cum	9.00	1.80	Avg	0.60	Avg	9.72		
		Cum	7.50	1.90	Avg	0.75	Avg	10.69		
		Cum	11.50	2.45	Avg	0.40	Avg	11.27		
		Cum	9.50	2.50	Avg	0.90	Avg	21.38		
		Cum	6.50	2.40	Avg	0.75	Avg	11.70		
		Cum	9.50	1.95	Avg	0.70	Avg	12.97		
		Cum	13.50	1.75	Avg	0.60	Avg	14.18	1806.81	323618.20
Net Quantity		Cum						179.11	2,153.25	3,85,672.08
TOTAL COST IN RS.=									3,85,672.08	323618.20


 Junior Engineer
 PWD WORKS SECTION
 AGIAON


 Asstt. Engineer
 RWD WORKS SUB-DIVISION
 AGIAON

Executive Engineer
 RWD WORKS DIVISION
 ARA

checked

 23.11.2021

Executive Engineer
 R.W.D. (W.) Div., Buxar

SEIGNIORAGE FEE						
Name of Site: PWD ROAD-TARACHAK						
Sl. No.	SDB Sl.No	MORD Ref.No	Description	Unit	Quantity	Rate
Amount (In Rs.)						
Total Material Required						
Material Amount						
Seigniorage Fee 10%						
BRICK BATS						
1	RCD	11.9	Providing and filling Brick Bats in ditches including cost of Brick Bats and labour all complete job as per specification and direction of E/I.			
			Unit = Cum	UNIT	QTY	RATE
		a)	Material			
			Brick Bats	Nos	450	1.031
			Rate Per Cum (a)			
			Total Cost =	Cum		
					179.11	83,098.90
						8,309.89
Total Construction Cost (With 10% Seigniorage Fee) :-						
8,309.89						

25/9/21

31/7/2021

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ANALYSIS OF CARRIAGE BY ROAD

District : BHOJPUR Block : AGIAON
Name of Road : PWD ROAD-TARACHAK
Cost of Haulage Excluding Loading & Unloading as per SOR

Type of Road	Per Ton. Km by Truck
For Surface Road	9.09
Unsurface Gravel Road	11.00
Kachha Road	22.13

Sl.	Item with Source	Unit	Source Up to	Carriage Cost & Lead in Km										Loading & Unloading Cost	Total	
				Pukka / Surface					Katcha							
				8.00 2.00	x	9.09	x	7.00 Km =	Rs 254.50	8.00 2.00	x	22.13	x			1.00 Km =
1	Brick	1000	Local													Rs. 865.47
																Rs. 865.47

16/10/21
31/07/21

HAULAGE BY TRUCK

Sl. No.	SDB Sl. No.	MORD Ref No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
1	1.10	(i)	Haulage excluding Loading & Unloading Haulage of materials by tipper excluding cost of loading, unloading and stacking. Unit = t.km Taking output 10 t load and lead 10 km = 100 t.km Case-I : Surfaced Road Speed with load: 25 km per hour Speed while returning empty: 35 km per hour Machinery Tipper 10 t capacity Haulage with load Empty return trip Overheads @ 12 % on (a) Contractor's profit on (a+b) Cost for 100 t-km = a+b Rate per cum = (a+b) /100	hour hour	0.400 0.286	1183.00 1183.00	473.20 338.34 97.38 0.00 908.92 9.09
2	1.10	(ii)	Haulage excluding Loading & Unloading Haulage of materials by tipper excluding cost of loading, unloading and stacking. Unit = t.km Taking output 10 t load and lead 10 km = 100 t.km Case-II: Unsurfaced Gravel Road. Speed with load: 20 km/hour Speed for empty return trip: 30 km/hour Machinery Tipper 10 t capacity Haulage with load Empty return trip Overheads @12% on (a) Contractor's profit on (a+b) Cost for 100 t-km = a+b Rate per cum = (a+b) /100	hour hour	0.50 0.33	1183.00 1183.00	591.50 390.39 117.83 0.00 1099.72 11.00

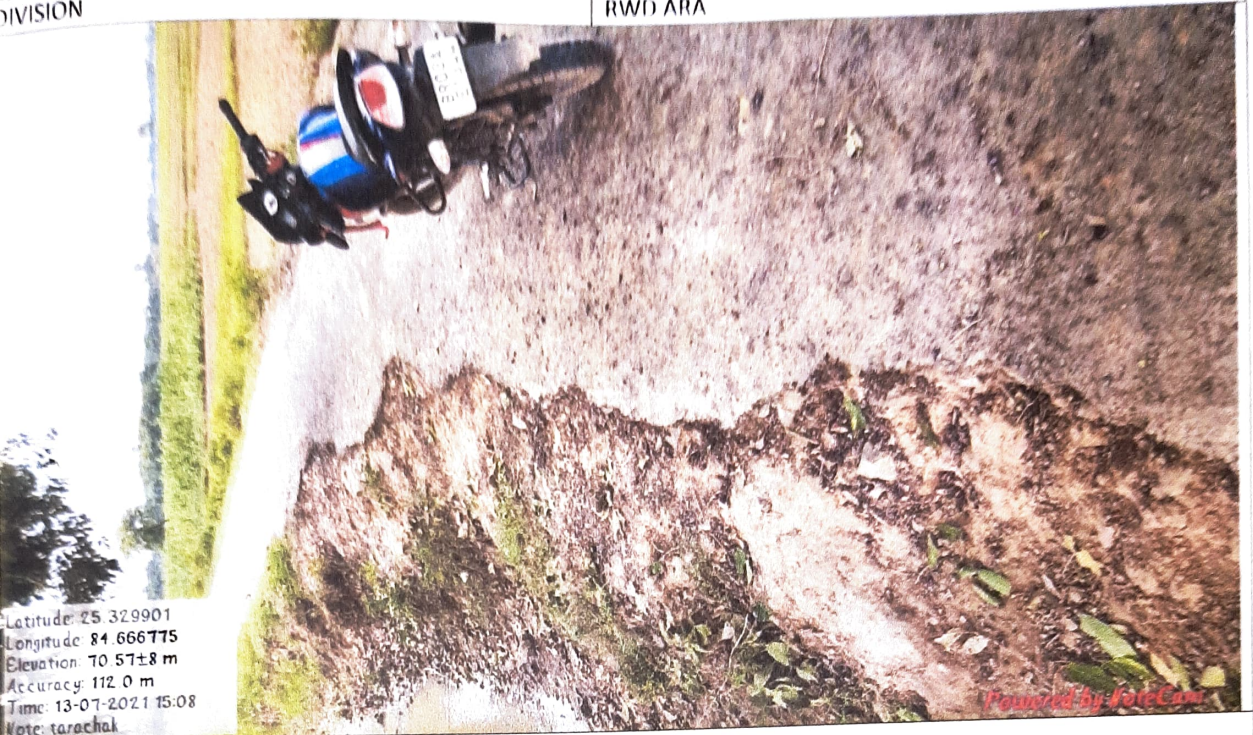
Case-III : Katcha Track and Track in River Bed/Nallah Bed and Choe Bed.					
		Speed with load: 10 km per hour Speed while returning empty: 15 km per hour			
		Machinery			
		Tipper 10 t capacity			
		Haulage with load	hour	1.00	1183.00
		Empty return trip	hour	0.67	1183.00
		Overheads @ 12 % on (a)			1183.00
		Contractor's profit on (a+b)			792.61
		Cost for 100 t-km = a+b			237.07
		Rate per cum = (a+b) / 100			0.00
					2212.68
					22.13
					22.13
		Rate Per Km.	Cum		
4	1.3	Loading, Unloading and Stacking of Bricks by Manual Means			
		Loading of Bricks by manual means including a lead upto 30 m			
		Unit = 1000 Nos.			
		Taking output = 2000 Nos.			
		Labour			
		Mate	day	0.01	3.10
		Mazdoor (Unskilled)	day	0.25	73.00
		Machinery			76.10
		Truck	hour	0.33	1183.00
		Overheads 12 % on (a+b)			390.39
		Contractor's profit @ 10% on (a+b+c)			390.39
		Cost for 2000 Nos. = (a+b+c+d)			55.98
		Rate for 1000 bricks = (a+b+c)/2			0.00
					522.47
					261.23
					261.23
		Total Cost	Nos		
5	1.3	Unloading and Stacking of Bricks by manual means including a lead upto 30 m			
		Unit = 1000 Nos.			
		Taking output = 2000 Nos.			
		Labour			
		Mate	day	0.01	3.10
		Mazdoor (Unskilled)	day	0.25	73.00
		Machinery			76.10
		Truck	hour	0.33	1183.00
		Overheads 12% on (a+b)			390.39
					390.39
					55.98

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F.D.R (2021-22)

Name of Site
BLOCK
DIVISION

PWD ROAD TO TARACHAK
AGIAON
RWD ARA



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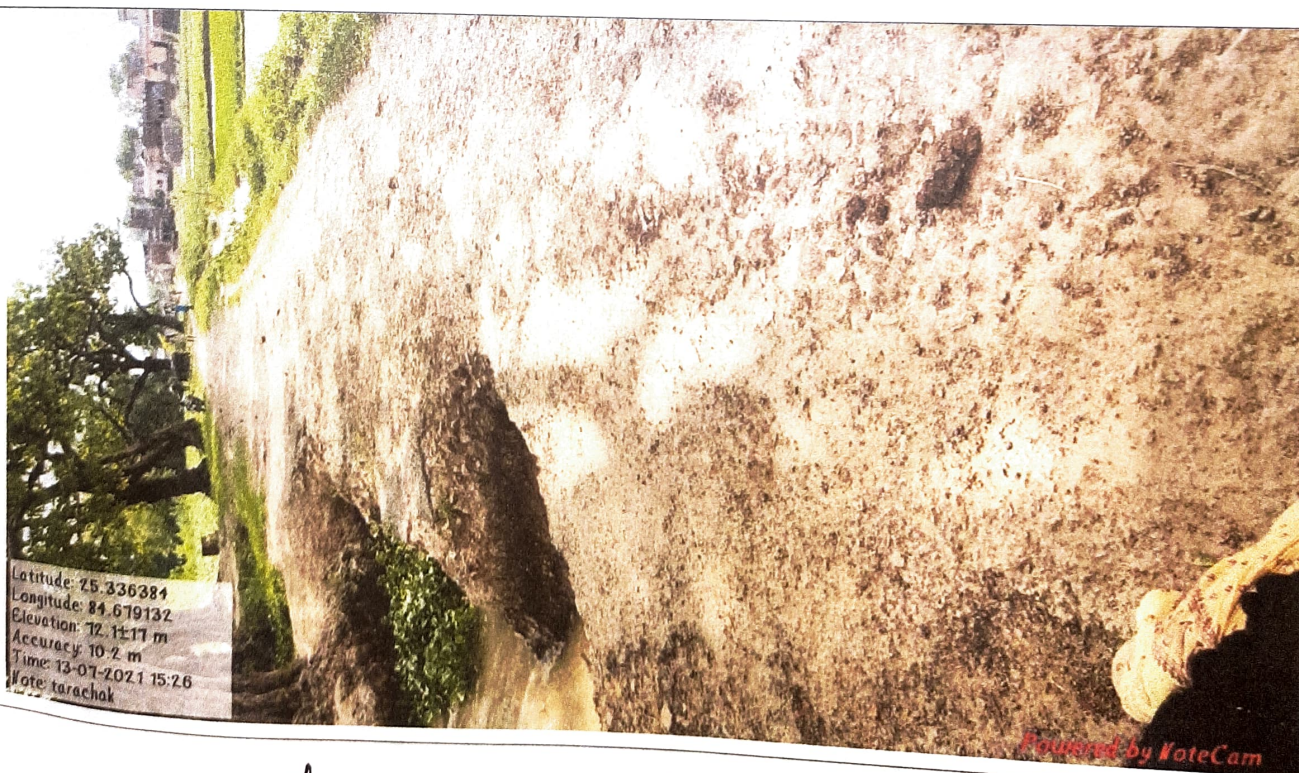
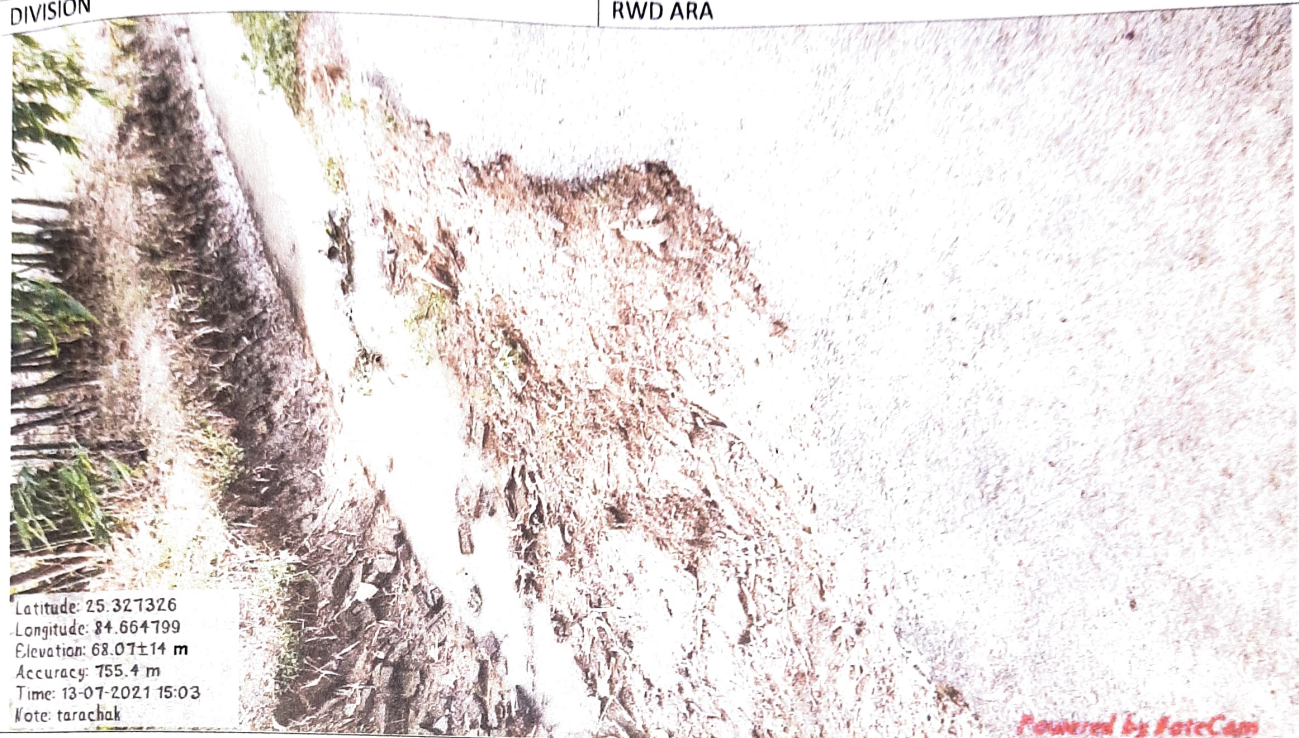
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F.D.R (2021-22)

Name of Site
BLOCK
DIVISION

PWD ROAD TO TARACHAK
AGIAON
RWD ARA



25/04/21

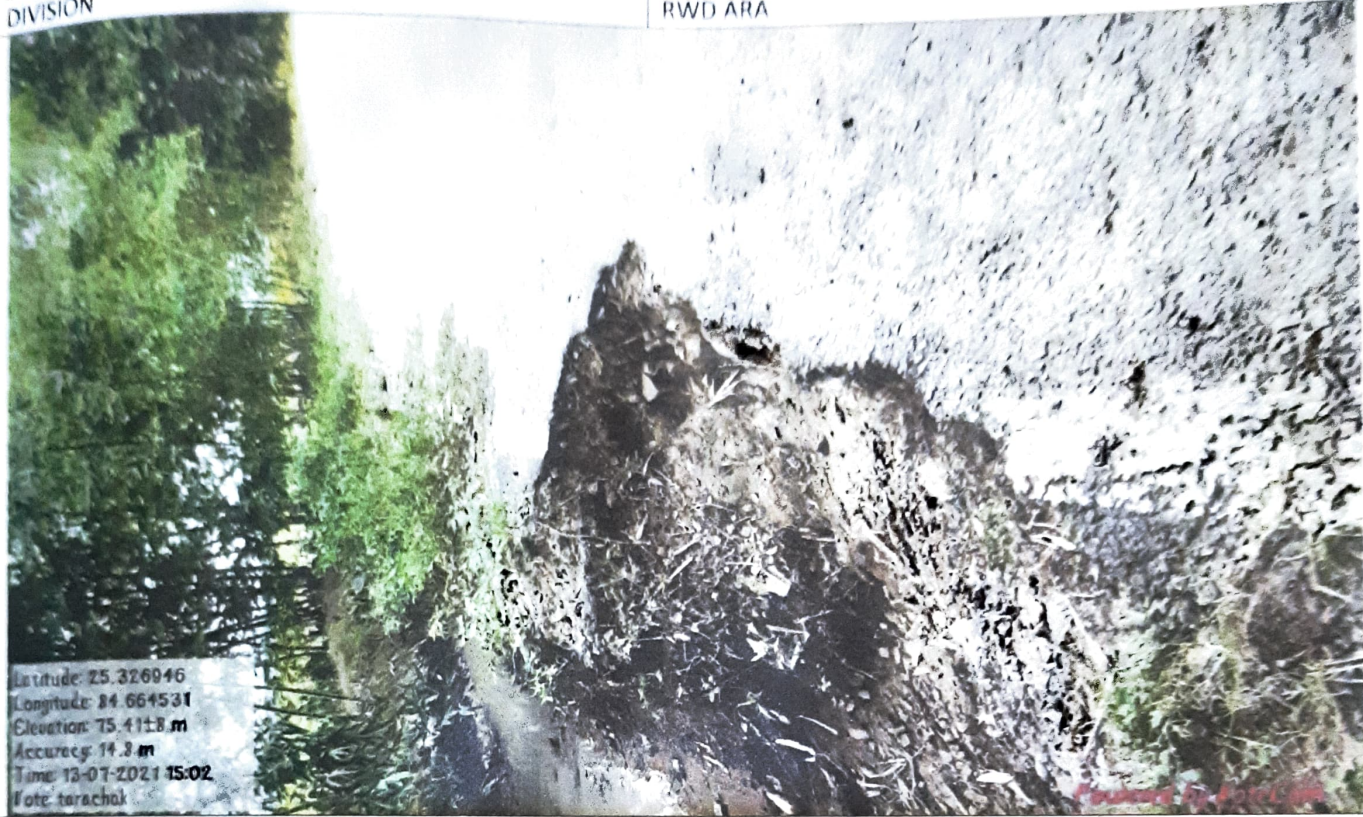
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F.D.R (2021-22)

Name of Site
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PWD ROAD TO TARACHAK
AGIAON
RWD ARA



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