## Inspection Report of Flood Damage work

Name of PIUs:- RWD Works Division, Benipur

Name of Block/Road: - Bempuz Deepa tol to Katwasa

### A. For Road

- 1. Damage Location Chainage:- 9-9 sokm to 1-sookm, toookm to 1-sookm to 1-sookm
- 2. Damage Length

:- 205 m

Nature of Damage

:- Road crust, flank

- 4. Details of Restoration Works
  - i. Material being used in Restoration works:- Brrek baks bamboo, Sand bag.
  - ii. Equipment's /Tools being used in Restoration works:-
  - iii. Procedure taken up in Restoration works:-· mannually
  - iv. Restored Length:-205 M

## B. For Bridge

- Damage Location Chainage:-
- Damage Length
- 3. Nature of Damage
- Details of Restoration Works
  - Material being used in Restoration works:-
  - ii. Equipment's /Tools being used in Restoration works
  - iii. Procedure taken up in Restoration works:-

iv. Restored Length:-

"book found soutsfectory"

Signature of JE/A

(Name of Inspection)

## तकनीकी प्रतिवेदन

पथ का नाम :- दीपा टील री करबारा

पथ की लंबाई :- 2.09 कि ० औ

प्राक्कलित राशि :- 🙉 . ६,५४,११५ २००

प्रमण्डल का नाम :- ब्रेनीपुर्

अंचल का नाम :- 22भेगा

योजना शीर्ष :-

योजना वर्ष :- २०२१-२२

प्रस्तुत प्राक्कलन विभागीय पत्रांक— धुः अः -५-५२७ व्यव्ता दिनांक—22-10-2) के आदेशानुसार पथ में कराये गये यातायात पुर्नस्थापना कार्य के निमित्व तैयार की गयी है।

यह प्राक्कलन दीपा टील रे कड़कारन कार्य के लिए तैयार की गई है। वर्ष 2021 में आयी प्रलयंकार बाढ/अतिवृष्टि के कारण पथ कई जगहों पर क्षतिग्रस्त हो गया था। जिसके कारण आवागमन अवरूद्ध हो गई थी जिसमें अस्थाई यातायात पुर्नस्थापन कार्य किया गया है।

प्रस्तुत प्राक्कलन संपादित कार्य के समय लागू अनुसूचित दर पर, जो संवेदक लाभांश को छोडकर था, उसे प्रावधान करते हुए तैयार किया गया है।

अतः किये गये कार्यो के भुगतान हेतु प्राक्कलन की प्रशासनिक स्वीकृति अपेक्षित है।

कनीय अभियंता, ग्रामीण कार्य विभाग, कार्य प्रशाखा बेनीपुर सहायक अभियंता, ग्रामीण कार्य विभाग, कार्य अवर प्रमण्डल बेनीपुर

कार्यपालक अभियंता ग्रामीण कार्य विभाग, कार्य प्रमण्डल बेनीपुर।

# Abstract of cost.

Name of Road:- L030-L34 Deer

No	Particulars of Item	Quantity (In M3)	Rate	T
1	Providing and laying Filling in ditches with brick bats including loading, unloading and light ramming all complete job. As per specification & Direction of E/I	259.02	2004.96	Amount 519325
2	Supply of Bamboo- 6m to 8m doall complete job as per specification and direction of E/I.	266	166.5	44289
ı	Labour for cutting 62mm to 75mm dia bamboo pile size and making shoes and driving ectall complete job as per specification and direction of E/I.	269	31.2	8393
	Labour for cutting 62mm to 75mm dia bamboo runner in position at every virtice pileall complete job as per specification and direction of E/I.	807	5.5	4439
			Total =	576445
		Add 12% GST	=	69173
		1% L.C	=	5764
		(S.Fee)- B/Bat(259.02*1032* 0.1)=26731		26731
			Grand Total=	678114
			SOLY RUPERS = 6	2 RIJOSAM

RWD, Benipur

RWD, Benipur

RWD, Benipur

TEChnically Summation for AS=678110=00 (Rupees Six Lakk Seventy Eight Thousend one Hundred Ten) only

Superintending Engineer RWD, Works Circle, Darbhanga

### Flood Estimate Name of Road:- L030-L34 Deepa tol to Katwasa (VR30)

m No.1	Providing and laying rammi	g Filling in ditches ing all complete job	with brick bats i . As per specific	including loadin cation & Direction	g, un on of	loading and light E/I
	Chainage (In M)	Length (In M)	Average Width (In M)	Average Height (In M)	/	Qty in cum
	in 1st km	25.00	(1+.9+.4)3	(.6+.9+1.2)/3 /	,	24.75
	III 15E KIN	6.00 —	(1.1+1.9)/2	(1.5+1+.9)/3		10.20
		22.00	(1.6+1.4+1.2+1.8)4	(.6+.9+.1)3 /		27.50 /
	ANGERS ANGE	37.00	(1.6+2+1.5)/3	(.7+.9+1.1)/3		56.61
	in 2nd km	25.00	(2+3+2.5+1.2)/4	(1.5+1.2+1+.9)/4		62.53
		6.00	(1+.8)/2	(.6+.7)/2 /	1	3.51
		84.00	(1.5+1+.8)/3	(.6+.8+1)/3		73.92
				Total = /		259.02

Item No.2	Supply of Bamboo- 6m	to 8m do	all complete	te job as per specification and directi			
	for pile	225	3		675 -		
		44 -	2.5		110 -		
	for runner	44 /	3		132 /		
		225	3		675		
				-	1592		
	Number of Bamboo	1592/6		N - 100	266		

Item No.3	Labour for cutting 62mm to 7 ectall comple	5mm dia bamboo pile size and te job as per specification and	
	225	1	225
T	44	1	44
L			

Item No 4	Labour for cutting 62mm to 72 complete		amboo runner in positi specification and direc	
		225	3	675
		44	3	132
				807

RWD,Benlpur

RWD, Benipur

STATE OF	4	The same of the sa				
125	1	PRESENTATION TO THE		-		
6.6.1			nitables or	Boulder Dit	dian in ala	
WRD		Labour for laying dry graded Jhama Khoa or stone filter under Brick including light ramming etc. all complete as per approved design, spe	cification :	and Direction	aning in sio	be or abro
Dilital			1	T	1	
		Unit = Per Cum	_	-		
		Taking output = 2.832 Cum	-	-		
	1.110.1.11	Labour	Man	200	201.00	040.0
		Mazdoor (Unskilled)	Nos.	3.00	304.00	912.0
	b)	Over Heads @ 12% on (a)	_			109.4
		Cost for 2.832 cum				1,021.4
		Rate per cum (Rs)				360.6
			212121			14)
1.4 RCI		Cost of Haulage Excluding Loading and Unloading				
		Haulage of materials by Tractor excluding cost of loading, uni	oading an	d stacking		
		Unit = t.Km				
		Taking output = 3.60 tonnes load and lead 10 km=36.0 t.km				
		(i) Surface Road				
		Speed with Load:15 km/hour				
		Speed while Returning empty:25km/hour.				
	a)	Machinery				
	+ '	Tractor 3.6 tonne capacity				
	1	Time taken for onward haulage with load	hour	0.667	612.00	408.2
	+	Time taken for empty return trip.	hour	0.400	612.00	244.8
	ы	Over Heads @ 12% on (a)				78.3
	-	Cost for 36 t Km=a+b				731.3
_	+	Rate per t.km=(a+b)/36				20.3
		A CONTRACTOR OF THE CONTRACTOR	4000			441
1		(ii) Unsurfaced Graveled Road				
+	+	Speed with Load:12 km/hour				
-	+	Speed while Returning empty:20km/hour.				
-	+-	Machinery		-		
-	+-	Tractor 3.6 tonne capacity	<del>                                     </del>			
-	+	Time taken for onward haulage with load	hour	0.833	612.00	509.8
-	+	Time taken for empty return trip.	hour	0.500	612.00	306.0
-	-	Over Heads @ 12% on ( a)	1			97.90
+	+"	Cost for 36 t Km=a+b				913.6
+	+	Rate per t.km=(a+b)/36	-	-		25.3
		Rate per Chin-favorion	-12877			
7	4 5	(iii) Katcha Track and Track in River Bed/Nailah Bed and Cho	ne Bed			
+	+-	Speed with Load:10 km/hour	T			
+	+	Speed while Returning empty:15km/hour.	1	1		
+	+-	) Machinery	<b>†</b>			
+	-	Tractor 3.6 tonne capacity				
+	-	Time taken for onward haulage with load	hour	1.000	612.00	612.0
-		Time taken for empty return trip.	hour	0.667	612.00	408.2
-	-	o) Over Heads @ 12% on (a)	1	0.007	012.00	122.4
-	-	Cost for 36 t Km=a+b				1,142.6
-	-	Rate per t.km=(a+b)/36	-	-		31.7
		Rate per Exin-(a-b)/30	-			31.7

12.70		(i) Specific (ii)	000	aprinisty -	1.00	T.
- COLONNE	Mary 12			to a	-	
1.1RCD		Loading and Unloading of Stone Boulder/Stoneaggregates/	and/Kani	cer/mooru	m	
		Placing Tractor at Loading point, loading with frontloader, dum	ping turni	ng for retu	rn trip,exa	uaingtor
- 1		haulage and return trip				
		Unit = Cum				
		Taking output = 2.25 Cum				
		Time Required for	1000			
		1) Positioning of Tractor at loading point	1 Min		_	
		II) Loading by Front end loader 1 Cum Bucket Capacity @ 25	5 Min			
		C. m par hour				
	-	iii)Maneuvering, reversing, dumping and turning for return	0 Min			
		iv) Waiting time,unforseen contigencies etc	0 Min			_
		Total	6 Min			_
		Labour			204.00	9.63
	۹)	Mate	day	0.03	321.00	218.88
	_	Mazdoor for loading and unloading	day	0.72	304.00	210.00
						61.20
	b)	Machinery	hour	0.1	612.00	132.30
		Tractor 3.6 tonne capacity  Front end-loader 1 cum bucket capacity @25 cum/hour	hour	0.083	1594.00	50.64
		Front end-loader 1 cum bucket capacity g				472.6
	c)	Over Heads @ 12% on (a+b)				210.0
		Cost for 2.25 cum=(a+b+c)			-	210.0
		Rate per cum (Rs)				
Note:-		Unloading will be done manually			+000.00	1032.0
(C-2, T-2, C,	1	Supplying for Brick Bats (with OH)	Per Cum		1032.00	123.8
	A	Basic Rate of Brick Bats		12%	-	1155.8
		Add overhead charges			-	1155.0
-	1	Total				
100	+		KM	7		-
-	+	Surface Lead  Katcha Track and Track in River Bed/Nallah Bed and Choe	KM	1		
-	+	Katcha Track and Track in River Bed/Naman Des				
-	+	Bed	Cum	1.6	-	
	+	Factor(3.6/2.25)			-	
	╀	ractorion			-	488.43
	+-	. Carriage(with OH)				400.10
_	1	. Carriage(with OH) ((1.6*7*20.32)+(1.6*1*31.74)+(210.07))				360.6
	+	((1.0 / 250 )			-	
	+	Cost of Labour for Pitching and Light Ramming as per WRD				
	19	SOR 6.6.1(with OH)			-	2004.9
	1	SOR 6.0.1(William				
	_	= +1/A+8+C)			-	
	_	Total (A+B+C)				2004.9
					-	1972.4
		For (7km.p+1kmk)= without (GST+LC+SF)				1939.
	T	For (7km.p+1kmk)= without (GST+LC+SF)  For (6km.p+1kmk)= without (GST+LC+SF)  without (GST+LC+SF)			-	1907.
+	T	For (6km.p+1kmk)= without (GST+LC+SF)  For (5km.p+1kmk)= without (GST+LC+SF)  Alimbia without (GST+LC+SF)				1874.
+		For (5km.p+1kmk)= without (G5T+LC+SF)  For (4km.p+1kmk)= without (GST+LC+SF)  For (3km.p+1kmk)= without (GST+LC+SF)				10/4/
	-	For (Akm, D+1killy) (CST+1 C+SF)				

KCAN DESIGNATION	R SI.			DESCRIPTION	Unit-	Quantity	Rate	TO THE PROPERTY SE	unt in
_	lo.	10.73	Labor	ur for cutting 62 mm to 75 mm dia bamboo					
5.7.		1	Labo	to size and making shoes and driving etc.				1	1
WR		1	piles	plete job as per specification and direction of			N.		- 1
SOF	₹ .		300						
		_	E/I.						
				:- Per M				+-	_
			Taki	ng Out put:- 30.50 Mtr	-		-	+	-
			(Ass	uming 20 nos. pile sunk 1.525 mtr deep )	-			+-	
			Tota	al depth sunk 30.50 meter		-	-	+-	-
+	-	+	+	Labour					
+	-	+	Car	penter Gr II	Nos	0.25	36	54	91.00
+	_	+		skilled mazdoor for pilling	Nos	2.5	30	04	760.00
+		-	- 011	Skilled Hazdes 151 Philip					
-		+	14	d Overhead charge 12 %	+				102.12
+	_	+	Au	d Overhead Charge 12 %	+		+	_	953.12
_					М		+	+	31.25
		-	Ra		M	Marie Tal	0.0000	(C)	31.20
_1				y Rs bour for fitting and fixing split bamboo woven	AND ER	開発をは、一年	044749-0768	RCS CHOR	N. Carrier
110	5.7.8 WRD SOR		ch	nachari in position with 20 swg G.I. wire or 75 m to 100 mm long nails alternatively including ost of G.I. wire or nails complete job as per pecification and direction of E / I.					
	-	+		Init :- Per M2	-	-	1		_
-	-	-		aking Out put:- 9.30 Sqm	_				
_	-	-	- 1;	Assuming strip of 3.05x3.05 = 9.30 sqm )				$\neg$	
	+	-	- 1	ASSUMING SUIP OF 3.03X3.03 = 3.30 3qm	_	_	_	_	-
	-	-	-	Materials	-				
	-			1,000 = 1,000 = 1,000 = 1	Kg	0.	25	58	14.5
-	+	-	-	75 mm to 100 mm long nails (BCD)	1,0	-	-	-	
	+	-		Labour					
	+			Carpenter Gr II	Nos		1	364	364.0
	+	-		Unskilled mazdoor	Nos		1	304	304.0
	1			Add Overhead charge 12 %	-	_	+	+	81.5
	+		-	Add Overnead charge 12 %	_		_	_	764.
_	+		-	Date	м		-		82.
	-		-	Rate		初時公	OF 150 W	SOM P	82.
	1		-	Say Rs	-	JOSEPH FLORE	who be to the	ORDINA VI	Charles of the
	1	5.7.9 WRD SOR		Labour for fitting and fixing 62mm to 75 mm d bamboo runners in position at every vertical p with 150 mm long nails or 38 swg G.I. wire including cost of G.I. wire or nails complete jol per specification and direction of E / I.	ile				
	-	-	+	Unit :- Per M		-		-	
				Taking Out put:- 30.50 Mtr					
				Materials	-			-	
		-	-	75 mm to 100 mm long nails (BCD)	Kg		0.5	58	29
		4	- 1	LA HILL OF THE HILL IN IN INC.	- 10				-

		Labour					
		Carpenter Gr II	Nos		.125	364	45.50
		Unskilled mazdoor	Nos		0.25	304	76.00
		Add Overhead charge 12 %					18.06
							168.56
		Rate	M	argar ey me	1000000	BASE OF STREET	5.53
1. 1	Tipl	Say Rs	M	<b>新加州</b>	學學家	200 E	5.50
		Supply Of Bamboo		_	-		
	A	Bamboo 6m to 8 m	No.	os	1	141.5	141.5
		Gross Truck Capacity(Unit Per%)(28			_		
		Gross Tractor Capacity(Unit Per%)(					
	_	Carriage Including Loading and Unloadi					
1.4 RCD		Cost of Haulage Excluding Loading and	A PROPERTY OF THE PARTY OF THE				
	-	Haulage of materials by Tractor excludi	ing cost of load	ing, unloa	ding and	stacking	
	-	Unit = t.Km					
	-	Taking output = 3.60 tonnes load and	lead 10 km=36	.0 t.km	-		
-	-	(i) Surface Road			_		
-	+	Speed with Load:15 km/hour					
-	-	Speed while Returning empty:25km/h	our.				
-	1 -	Machinery					
-	+	Tractor 3.6 tonne capacity			0.557	543.00	400.00
+	+	Time taken for onward haulage with le		our	0.667	612.00	408.20
-	+-	Time taken for empty return trip.  Cost for 36 t Km=a	n n	our	0.400	612.00	244.8
-	+	Rate per t.km=(a+b)/36		_		-	653.0
<b>阿尼龙</b>	6 53		Total Cost	C. Com	SECTION S.		18.1
1995/2	200	(ii) Unsurfaced Graveled Road	TOTAL COSTS	CONTRACTOR			18.1
+	+	Speed with Load:12 km/hour	-	-	_		
+-	+	Speed while Returning empty:20km/	hour				
-	+	a) Machinery	nour.			-	
-	+	Tractor 3.6 tonne capacity			_		1100
+	+	Time taken for onward haulage with	load	hour	0.022	612.00	E00
	+	Time taken for empty return trip.		hour	0.833	100000000000000000000000000000000000000	509.
1	+	Cost for 36 t Km=a		nour	0.500	612.00	306.
+	+	Rate per t.km=(a+b)/36					815
450-11	(9) 55	Tate per Carriera Piso	Total Cost	A Ken			22
128m1135	200460	(iii) Katcha Track and Track in River	THE COURT OF SHIP SHIPS IN THE PROPERTY.	CONTRACTOR AND ADDRESS OF		1000年	22
+	+	Speed with Load: 10 km/hour	Deu/Hallali De	and Ch	oe Bea		
_	+	Speed while Returning empty:15km	/hour	1		-	
+	+	a) Machinery	ynour.	1 1			
	1	Tractor 3.6 tonne capacity				-	
-	_	Time taken for onward haulage with	h load	-	1.00	0 643.00	046
+	$\rightarrow$	Time taken for empty return trip.	ii ioau	hour	1.00	_	
-	-	Cost for 36 t Km=a		hour	0.66	612.00	_
	-	Rate per t.km=(a+b)/36		-	-		1,02
0451U	ME C	regre her rivill=(8+0)/30		AL DEPONDENCE	UMBORGO PARK		2
tree d	97-1-1		Total Cos	rKM	40	at the same	
4.3 W	RD	Loading and Unloading of Bamboo	V	-		-	

		_	Unit= Tonne				
			Taking Output = 3.6 tonnes				
	a		Labour				
			Mate	Nos	0.03	321	9.6
			Mazdoor for Loading and Unloading	Nos	0.72	304	218.8
-		b	Machinery	-			
-		_	Tractor 3.6 Tonne capacity	Hour	0.72	612.00	440.6
			Tractor 3.0 Tolline capacity	rioui	0.72	612.00	440.6
							669.1
	-		Rate	МТ			185.8
_	1		Surface Lead	км	2	-	
			Katcha Track and Track in River Bed/Nallah Bed				
			and Choe Bed	км	1		
			Factor(8/280)	Nos	0.02857		
	-		Carriage(without OH)	-			
	1	В	((0.02857*2*18.14)+(0.02857*1*28.34)+(185.88*	0.02057	<u>,,                                   </u>		7.1
	+		A+B	1	"		148.6
_	-	-	Add Overhead charge 12 %	-	-		17.8
-	1	-	Rate	No	-	-	
	4	-	Say Rs	No No	NAMES OF STREET	AND DESCRIPTION OF THE PARTY OF	166.5
	Sr.No.27		Supply Of EC bags including Carriage				
	5 WRD SOR						
	5 WRD		Materials				
_	5 WRD			Per			
	5 WRD		Materials	100			,
	5 WRD		Materials Old Empty Cement Bags (Synthetic)(Annexture I)	1100000			29
	5 WRD		Materials	100 Nos			
	5 WRD		Materials Old Empty Cement Bags (Synthetic)(Annexture I)	100			35.0
	5 WRD SOR		Materials Old Empty Cement Bags (Synthetic)(Annexture I)  Add Overhead charge 12 %  Rate Say Rs	100 Nos			35.0 327.0
	5 WRD		Materials Old Empty Cement Bags (Synthetic)(Annexture I)  Add Overhead charge 12 % Rate Say Rs Labour for filling empty cement bags with local sand, sticking the bags and placing including supply of sutil and EC Bags etc. at site in dry portion all complete as per approved design, specifications and direction of E/I Including Cost and Carriage of Sand	100 Nos			35.04 327.04
	5 WRD SOR 5.7.40.1 WRD		Materials  Old Empty Cement Bags (Synthetic)(Annexture I)  Add Overhead charge 12 %  Rate  Say Rs  Labour for filling empty cement bags with local sand, stiching the bags and placing including supply of sutil and EC Bags etc. at site in dry portion all complete as per approved design, specifications and direction of E/I Including Cost and Carriage of Sand  Unit=Per 100Nos	100 Nos			297 35.04 327.00 327.00
	5 WRD SOR 5.7.40.1 WRD		Materials  Old Empty Cement Bags (Synthetic)(Annexture I)  Add Overhead charge 12 %  Rate  Say Rs  Labour for filling empty cement bags with local sand, stiching the bags and placing including supply of sutil and EC Bags etc. at site in dry portion all complete as per approved design, specifications and direction of E/I Including Cost and Carriage of Sand  Unit=Per 100Nos  Taking Out put:- 100 nos	100 Nos			35.0 327.0
	5 WRD SOR 5.7.40.1 WRD		Materials  Old Empty Cement Bags (Synthetic)(Annexture I)  Add Overhead charge 12 %  Rate  Say Rs  Labour for filling empty cement bags with local sand, sticking the bags and placing including supply of sutil and EC Bags etc. at site in dry portion all complete as per approved design, specifications and direction of E/I Including Cost and Carriage of Sand  Unit=Per 100Nos  Taking Out put:- 100 nos  For filling & sticking & stacking	100 Nos			35.0 327.0
	5 WRD SOR 5.7.40.1 WRD		Materials  Old Empty Cement Bags (Synthetic)(Annexture I)  Add Overhead charge 12 %  Rate  Say Rs  Labour for filling empty cement bags with local sand, stiching the bags and placing including supply of sutil and EC Bags etc. at site in dry portion all complete as per approved design, specifications and direction of E/I Including Cost and Carriage of Sand  Unit=Per 100Nos  Taking Out put:- 100 nos  For filling & stiching & stacking  Unskilled mazdoor for filling sand into bags and	Nos No			35.0 327.0 327.0
	5 WRD SOR 5.7.40.1 WRD		Materials  Old Empty Cement Bags (Synthetic)(Annexture I)  Add Overhead charge 12 %  Rate  Say Rs  Labour for filling empty cement bags with local sand, stiching the bags and placing including supply of sutil and EC Bags etc. at site in dry portion all complete as per approved design, specifications and direction of E/I Including Cost and Carriage of Sand  Unit=Per 100Nos  Taking Out put:- 100 nos  For filling & stiching & stacking  Unskilled mazdoor for filling sand into bags and sewing	Nos No	2	304	35.0 327.0 327.0
	5 WRD SOR 5.7.40.1 WRD	a	Materials  Old Empty Cement Bags (Synthetic)(Annexture I)  Add Overhead charge 12 %  Rate  Say Rs  Labour for filling empty cement bags with local sand, stiching the bags and placing including supply of sutil and EC Bags etc. at site in dry portion all complete as per approved design, specifications and direction of E/I Including Cost and Carriage of Sand  Unit=Per 100Nos  Taking Out put:- 100 nos  For filling & stiching & stacking  Unskilled mazdoor for filling sand into bags and	Nos No	2 0.5	304 19.75	35.0 327.0 327.0 60 9.87
	5 WRD SOR 5.7.40.1 WRD		Materials Old Empty Cement Bags (Synthetic)(Annexture I)  Add Overhead charge 12 % Rate Say Rs Labour for filling empty cement bags with local sand, sticking the bags and placing including supply of sutil and EC Bags etc. at site in dry portion all complete as per approved design, specifications and direction of E/I Including Cost and Carriage of Sand Unit=Per 100Nos Taking Out put:- 100 nos For filling & sticking & stacking Unskilled mazdoor for filling sand into bags and sewing Sutali	Nos No	2 0.5	The second secon	35.0 327.0 327.0
	5 WRD SOR 5.7.40.1 WRD	a	Materials  Old Empty Cement Bags (Synthetic)(Annexture I)  Add Overhead charge 12 %  Rate  Say Rs  Labour for filling empty cement bags with local sand, stiching the bags and placing including supply of sutil and EC Bags etc. at site in dry portion all complete as per approved design, specifications and direction of E/I Including Cost and Carriage of Sand  Unit=Per 100Nos  Taking Out put:- 100 nos  For filling & stiching & stacking  Unskilled mazdoor for filling sand into bags and sewing	Nos No	2 0.5	The second secon	35.0 327.0 327.0 60 9.87

	Cost of Sand & Carriage by Tractor	1			
	Cost of Sand	Cum		***	
	Carriage Including Loading and Unloading		1	141.85	141.85
	Cost of Haulage Excluding Loading and Union dis-				
	Haulage of materials by Tractor excluding cost of l	nading unit			
	Olik Wilding		oading and	stacking	
	Taking output = 3.60 tonnes load and lead 10 km	=36.0 + km			
	(i) Surface Road	JO.0 (.KIII			
	Speed with Load:15 km/hour	1			
		+ -			
a)	Machinery	+	-		
	Tractor 3.6 tonne capacity				
	Time taken for onward haulage with load	hour	0.553		
	Time taken for empty return trip.				408.20
	Cost for 36 t Km=a	nour	0.400	612.00	244.80
		-			653.00
社图的	Service of the Control of the Contro				18.14
A HOUSE AND ADDRESS OF THE PERSON NAMED IN COLUMN ASSESSMENT OF THE PERSON NAM		S STARTED IN	\$ 0.5 m	中華	181
	Speed while Peturaling areast 201				
al	Machinery				
	Time taken for any and but a				
+	Time taken for onward haulage with load	hour	0.833	612.00	509.8
-	Cost for 36 a Kenner	hour	0.500	612.00	306.0
+					815.8
O COLUMN					22.6
66.4878	City Manager Total Cos	t tKm	的學術		22,6
+	(III) Katcha Track and Track in River Bed/Nallah I	Bed and Ch	oe Bed		
+					
1					
a					
+					
_		hour	1.000	612.00	612.0
1		hour	0.667	612.00	408.2
-	11 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2				1,020.2
	Rate por t.km=(a+b)/36				28.3
100	Totalico	at alkma			28.3
,	Loading and Unloading of Stone Boulder/Stone	aggregates	/Sand/Ka	nker/Moor	um
	Placing Tractor at Loading point loading with fro	ntloader.du	moing tur	ning for ret	urn
	Unit = Cum	1	inping cui	The state of the s	u
	Taking output = 2.25 Cum				
+		-		-	
_		1 Min			
+					
+		3 Will			
+		for O Balo			-
-	iv) Waiting time, unforseen contigencies etc	0 Min		-	
	IN EQUALITIES THE STRUCKS PER CONTIDENCIAS ATC	IU MIN		1	
+-	Total	6 Min		-	
	a)	Carriage Including Loading and Unloading Cost of Haulage Excluding Loading and Unloading Haulage of materials by Tractor excluding cost of I Unit = t.Km Taking output = 3.60 tonnes load and lead 10 km (i) Surface Road Speed with Load:15 km/hour Speed while Returning empty:25km/hour.  a) Machinery Tractor 3.6 tonne capacity Time taken for onward haulage with load Time taken for empty return trip. Cost for 36 t Km=a Rate per t.km=(a+b)/36  (ii) Unsurfaced Graveled Road Speed with Load:12 km/hour Speed while Returning empty:20km/hour.  a) Machinery Tractor 3.6 tonne capacity Time taken for onward haulage with load Time taken for onward haulage with load Time taken for empty return trip. Cost for 36 t Km=a Rate per t.km=(a+b)/36  (iii) Katcha Track and Track in River Bed/Nallah is Speed with Load:10 km/hour Speed while Returning empty:15km/hour.  a) Machinery Tractor 3.5 tonne capacity Time taken for onward haulage with load Time taken for onward haulage with load Time taken for onward haulage with load Time taken for empty return trip. Cost for 36 t Km=a Rate por t.km=(a+b)/36  Cost for 36 t Km=a Rate por t.km=(a+b)/36  Loading and Unloading of Stone Boulder/Stone Placing Tractor at Loading point, loading with fro Unit = Cum Taking output = 2.25 Cum Time Required for I) Positioning of Tractor at loading point III) Loading by Front end loader 1 Cum Bucket Capacity @ 25 Cum per hour	Carriage Including Loading and Unloading Cost of Haulage Excluding Loading and Unloading Haulage of materials by Tractor excluding cost of loading, unloading Haulage of materials by Tractor excluding cost of loading, unloading Unit = t.Km Taking output = 3.60 tonnes load and lead 10 km=36.0 t.km (i) Surface Road Speed with Load:15 km/hour Speed while Returning empty:25km/hour. a) Machinery Tractor 3.6 tonne capacity Time taken for onward haulage with load Time taken for empty return trip. Cost for 36 t Km=a Rate per t.km=(a+b)/36  (ii) Unsurfaced Graveled Road Speed with Load:12 km/hour Speed while Returning empty:20km/hour. a) Machinery Tractor 3.6 tonne capacity Time taken for onward haulage with load Time taken for empty return trip. Cost for 36 t Km=a Rate per t.km=(a+b)/36  (iii) Katcha Track and Track in River Bed/Nallah Bed and Ch Speed with Load:10 km/hour Speed while Returning empty:15km/hour. a) Machinery Tractor 3.5 tonne capacity Time taken for onward haulage with load Time taken for empty return trip. hour Cost for 36 t Km=a Rate por t.km=(a+b)/36  Total Cost #tKm Time taken for onward haulage with load hour Time taken for empty return trip. hour Cost for 36 t Km=a Rate por t.km=(a+b)/36  Total Cost #tKm Time taken for empty return trip. hour Time taken for empty return trip. Cost for 36 t Km=a Rate por t.km=(a+b)/36  Total Cost #tKm Time taken for empty return trip. hour Time taken for empty return trip.  Cost for 36 t Km=a Rate por t.km=(a+b)/36  Total Cost #tKm	Carriage including Loading and Unloading  Cost of Haulage Excluding Loading and Unloading  Haulage of materials by Tractor excluding cost of loading, unloading and  Unit = t.Km  Taking output = 3.60 tonnes load and lead 10 km=36.0 t.km  (i) Surface Road  Speed with Load:15 km/hour  Speed while Returning empty:25km/hour.  a) Machinery  Tractor 3.6 tonne capacity  Time taken for onward haulage with load hour 0.667  Time taken for empty return trip. hour 0.400  Cost for 36 t Km=a  Rate per t.km=(a+b)/36  (ii) Unsurfaced Graveled Road  Speed with Load:12 km/hour  Speed while Returning empty:20km/hour.  a) Machinery  Tractor 3.6 tonne capacity  Time taken for onward haulage with load hour 0.833  Time taken for onward haulage with load hour 0.500  Cost for 36 t Km=a  Rate per t.km=(a+b)/36  Total Cost Tkm.  (iii) Katcha Track and Track in River Bed/Nallah Bed and Choe Bed Speed with Load:10 km/hour  Speed while Returning empty:15km/hour.  a) Machinery  Tractor 3.6 tonne capacity  Time taken for onward haulage with load hour 0.500  Cost for 36 t Km=a  Rate per t.km=(a+b)/36  Total Cost Tkm.  (iii) Katcha Track and Track in River Bed/Nallah Bed and Choe Bed Speed with Load:10 km/hour  Speed while Returning empty:15km/hour.  a) Machinery  Tractor 3.6 tonne capacity  Time taken for onward haulage with load hour 0.667  Cost for 36 t Km=a  Rate por t.km=(a+b)/36  Loading and Unloading of Stone Boulder/Stoneageregates/Sand/Ka  Placing Tractor at Loading point, loading with frontloader, dumping tur  Unit = Cum  Taking output = 2.25 Cum  Time Required for  i) Positioning of Tractor at loading point  II) Loading by Front end loader 1 Cum Bucket  Capacity @ 25 Cum per hour	Carriage Including Loading and Unloading  Cost of Haulage Excluding Loading and Unloading  Haulage of materials by Tractor excluding cost of loading, unloading and stacking  Unit = t.Km  Taking output = 3.60 tonnes load and lead 10 km=36.0 t.km  (i) Surface Road  Speed with Load:15 km/hour  Speed while Returning empty:25km/hour.  a) Machinery  Tractor 3.6 tonne capacity  Time taken for empty return trip. hour 0.400 612.00  Cost for 36 t Km=a  Rate per t.km=(a+b)/36  (ii) Unsurfaced Graveled Road  Speed while Returning empty:20km/hour.  a) Machinery  Tractor 3.6 tonne capacity  Time taken for empty return trip. hour 0.833 612.00  Time taken for empty return trip. hour 0.500 612.00  Cost for 36 t Km=a  Rate por t.km=(a+b)/36  (iii) Satcha Track and Track in River Bed/Nallah Bed and Choe Bed  Speed while Returning empty:15km/hour.  a) Machinery  Tractor 3.6 tonne capacity  Time taken for empty return trip. hour 0.500 612.00  Cost for 36 t Km=a  Rate por t.km=(a+b)/36  Total Cost  Time taken for onward haulage with load hour 1.000 612.00  Time taken for empty return trip. hour 0.667 612.00  Cost for 36 t Km=a  Rate por t.km=(a+b)/36  Total Cost  Time taken for onward haulage with load hour 1.000 612.00  Time taken for empty return trip. hour 0.667 612.00  Cost for 36 t Km=a  Rate por t.km=(a+b)/36  Total Cost  Time taken for onward haulage with load hour 1.000 612.00  Time taken for empty return trip. hour 0.667 612.00  Cost for 36 t Km=a  Rate por t.km=(a+b)/36  Total Cost  Time taken for empty return trip. hour 0.667 612.00  Cost for 36 t Km=a  Rate por t.km=(a+b)/36  Total Cost  Time taken for empty return trip. hour 0.667 612.00  Time taken for empty return trip. hour 0.667 612.00  Time taken for onward haulage with load hour 1.000 612.00  Time taken for empty return trip. hour 0.667 612.00  Time taken for empty return trip. hour 0.667 612.00  Time taken for empty return trip. hour 0.667 612.00  Time taken for empty return trip. hour 0.667 612.00  Time taken for empty return trip. hour 0.667 612.00  Time taken

			Mate	day	0.03	321.00	9.63
			Mazdoor for loading and unloading	day	0.72	304.00	218.88
		b)	Machinery				
1			Tractor 3.6 tonne capacity	hour	0.1	612.00	61.20
$\top$			Front end-loader 1 cum bucket capacity @25 cum/	hour	0.083	1594.00	132.30
1			Cost for 2.25 cum=(a+b)				422.01
1			Rate per cum (Rs)				187.56
1	Note:-		Unloading will be done manually				107.50
$\rightarrow$			Surface Lead	KM	2		
+	_		Katcha Track and Track in River Bed/Nallah Bed	KM	1		
+			and Choe Bed	14.00			
+			Factor(3.6/2.25)	Cum	1.6		
		100					
		U	Carriage(without OH)				
	L.		((1.6*2*18.14)+(1.6*1*28.34)+(187.56))				290.95
		٧	T+U				432.80
	н	d	Cost of Sand &Carriage By Tractor per for 100nos bag				1,471.5
		-	For 100 Bags 3.4 Cum Sand Required				
	1	е	Cost of EC Bag per 100nos				292
			Total(F+G+H+I)				3293.40
_	-	-	Add Overhead charge 12 %				395.2
		-					3688.6
			Rate	No			36.886
			Say Rs	No	對發明的	<b>经</b>	36.90
		_	Supply of Sand Bag(withot OH)				
		A	Basic Rate of Sand Bag	Nos	1	8.48	8.4
			1 No. Cement Bag Filled with 40 Kg/1.2 Cft 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 Bo. Sand Bag Filled with 0.034 Cum sand				
			Tractor				
			Surface Lead	KM	2		
			Katcha Track and Track in River Bed/Nallah Bed	KM	1		*
			and Choe Bed				
			Factor(3.6/2.25)	Cum	1.6		
			B Carriage(without OH)				
			((1.6*2*18.14)+(1.6*1*28.34)+(187.56))				290.95
			Cost of Carriage of Sand in Filling of Sand Bag	No	1		9.8
		+	Labour for filling empty cement bags with local				
			sand, stiching the bags and placing including				
	12.9		supply of sutli and EC Bags etc, as per				
	RCD		C specifications and direction of E/I				
			Unit=Per Bag	1			

			Taking Out put:- 750 Bags				
		Unskilled mazdoor for filling sand into bags and					
		:	sewing	Nos	15	304	4560.00
			Sutali	Kg	3.75	19.75	74.06
							4634.06
			Rate Per Bag				6.18
			Labour rates for carrying filled E.C Bags				
			Unskilled mazdoor for carring filled bags and				
		_	placing to work site	Nos	22.5	304	6840
		- 1	Rate Per Bag				9.12
		4					
		-					
			Total(A+B+C+D)				33.67
		_	Add Overhead charge 12 %				4.04
			Rate	No			37.71
- 1	4		Say Rs	No	<b>建</b> 格 (1)	2 2 2 2	37.70
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