Inspection Report of Flood Damage work

Name of PIUs:- RWD Works Division, Benipur

Name of Block/Road: - Benitus / Yoth's Led Manikhur to Paswan to Kanhadi

For Road

- 1. Damage Location Chainage: 0.300km to 1000km, Ch. 1000 km to 1400km 2. Damage Length
- Jon: Road crust and flank
- 3. Nature of Damage
- 4. Details of Restoration Works
 - i. Material being used in Restoration works:- Both bath Bamboo. Earth Sand bog.
 - ii. Equipment's /Tools being used in Restoration works:-Tractor
 - iii. Procedure taken up in Restoration works:-
 - iv. Restored Length:to m

For Bridge В.

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

Signature of JE

Signature

(Name of Inspection)

तकनीकी प्रतिवेदन

पथ का नाम

- यानी बीड माजिन्हपुर से वास्त्रवम शेबी कर्नाजी

पथ की लंबाई

= 1.245 BonAo

प्राक्कलित राशि

- Ro823780=00

प्रमण्डल का नाम

बेबीपुर

अंचल का नाम

:- 22xion

योजना शीर्ष

:--

योजना वर्ष

2021-22

प्रस्तुत प्राक्कलन विमागीय पत्रांक— प्रः अ-५-५२७ पट्टा दिनांक-22-10-24 के आदेशानुसार पथ में कराये गये यातायात पुर्नस्थापना कार्य के निमित्व तैयार की गयी है।

यह प्राक्कलन कार्य के लिए तैयार की गई है। वर्ष 2021 में आयी प्रलयंकार बाढ/अतिवृष्टि के कारण पथ कई जगहो 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 लामांश 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 अभियता, ग्रामीण कार्य विभाग, कार्य अवर प्रमण्डल बेनीपुर कार्यपालक अभियंता ग्रामीण कार्य विभाग, कार्य प्रमण्डल बेनीपुर।

Abstract of cost.

Name of Road:- Yatri Shed Manikpur to Paswan Toli Kanhouli

S.	Name of Road:- Yatri Shed IV		III TOII KAIIIIOUII	
No	Particulars of Item	Quantity (In M ³⁾	Rate	Amount
1	E/W Filling in Embankment & Flank in all Kinds of Soil with 1000 m lead all complete job as per specification and direction of E/I.	1260.00	226.68	285617
2	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	201.60	2004.96	404200
3	Supply of Bamboo- 6m to 8m doall complete job as per specification and direction of E/I.	82	166.5	13653
4	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.	61	31.2	1903
5	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.	244	5.5	1342
			Total =	706715
		Add 12% GST	=	84806
		1% L.C	=	7067
	3	(S.Fee)-E/W (1260*34.82*.1)=43 87,+B/Bat(201.6*10 32*0.1)=25192	=	25192
			Grand Total=	823780

Say Rupees = 8,23,7,80=00

ATE TITLE

RWD, Benipur

A.E. TIVIZY

RWD, Benipur

31117

E.E RWD,Benipur

Technically Samulion for AS=823780=00 (Rupees Eight Lacs Twenty Theree Thousend Seven Humorred Eighty) somly

Superintending Engineer RWD, Works Circle, Darbhanga

Flood Estimate Name of Road:- Yatri Shed Manikpur to Paswan Toli Kanhouli

item No.1	E/W Filling in Embankment & Flank in all Kinds of Soil with 1000 m lead all comper specification and direction of E/I.									
	Chainage (In M)	Length (In M)	Average Width (In M)	Average Height (In M)	Qty in M ³					
			{(6.5+8+7+6.5)4 +(10+11+12+11) 4}/2		1260					

Item No.2		g Filling in ditches ing all complete job		_	, unloading and light n of E/I
	Chainage (In M)	Length (In M)	Average Width (In M)	Average Height (In M)	Qty
	In 1st km	56.00	(4+5)/2	(1+.8+.6)3	201.60
				Total =	201.60

Item No.3	Supply of Bamboo- 6m	to 8m do	all comple of E/I.	te job as per speci	fication and directio
	for pile	35	4		140
		26	4		104
	for runner	35	4		140
		26	4		104
				=	488
	Number of Bamboo	488/6			9 82

Item No.4	Labour for cutting 62mm to ectall comple	75mm dia bamboo pile size and ete job as per specification and o	and making shoes and driving and direction of E/I.			
	35	1 1	35			
	I 33	1 + 1				
	26	1	26			

Item No 5	Labour for cutting 62mm to 75mm dia complete job as po	a bamboo runner in position and direct	on at every virtice pileall tion of E/I.
	35	4	140
	26	4	104
	20		244

Analysis of Rates (FORMAT F8) SDB MORD Ref SI. No DESCRIPTION Unit Quantity No. Amount in R Excavation in Soil using Hydraulic Excavator and Tippers with disposal upto 1000 m (HI) 3.5 Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross-sections, and transporting to the embankment location with a lift upto 1.5 m and lead upto 1000 m as per Technical Specification Clause 302.3 Unit = cum Taking output = 360 cum Labour a) Mate day 0.08 321.00 25.68 Mazdoor (Unskilled) day 2.00 304.00 608.00 Machinery Hydraulic excavator 0.9 cum bucket capacity @ 100 cum per hour hour 3 60 2,702.00 9,727,20 Tipper 5.5 cum capacity, 4 trips per hour hour 15.00 1,183.00 17,745.00 Over Heads @ 12 % on(a+b) C) 3372.71 Contract. Profit @ 10 % on (a+b+c+d) d) 3147.86 Cost for 360 cum = a+b+c 34,626.44 Rate per cum = (a+b+c)/36096.18 301.5 Construction of Embankment with Material Obtained from Borrow Pits 3.4 32 Construction of embankment with approved material obtained from borrow pits with a lift upto 1.5 m, transporting to site, spreading, grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a lead upto 1000 m as per Technical Specification Clause 301.5 Unit = cum Taking output = 100 cum Labour a) Mate 0.04 321.00 day 12.84 Mazdoor (Unskilled) 1.00 304 00 304.00 day 2702.00 Hydraulic Excavator 0.9 cum bucket capacity @ 60 cum per hour hour 1.67 4.512.34 Tipper 5.5 cum with 10 t capacity 4.50 1,183.00 5,323.50 hour Add 10 % of the cost of carriage by tipper 532,35 Dozer D-50 for spreading @ 100 cum per hour 0.50 3,274.00 1,637.00 hour Tractar mounted grader arrangement 1.00 612.00 612.00 hour Water tanker 6 kl capacity 2.00 907.00 1,814.00 hour Three wheel 80-100 kN Static Roller @ 80 cum per hour 901.00 1,126,25 hour 1.25 Material C) Water kl 12.00 73.60 883.20 Compensation for earth taken from private land 3,482.00 100.00 cum Over Heads @ 12 % on (a+b+c) 2429 74 d) Contract. Profit @ 10 % on (a+b+c+d) 2266.82 Cost for 100 cum = a+b+c+d 24,935.04 249.35 Rate per cum = (a+b+c+d)/100=Total Cost | cum 249,35 33 3.14 303.1 Construction of Subgrade and Earthen Shoulders Construction of subgrade and earthen shoulders with approved material obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table 300.2 with lead upto 1000 m as per Technical Specification Clause 303.1. Unit = cum Taking output = 100 cum Labour 12.84 Mate 321.00 0.04 day Mazdoor (Unskilled) 304.00 304.00 1.00 day Machinery 4,512.34 Hydraulic excavator 0.9 cum bucket capacity @ 100 cum per hour 2702.00 1.67 hour 5,323.50 Tipper 5.5 cum capacity, 4 trips per hour 1183.00 4.50 hour Add 10 % of the cost of carriage to cover loading & unloading 532.35 cum 1,637.00 Dozer D-50 for spreading @ 100 cum per hour 0.50 3274 00 hour 612.00 612.00 Tractar mounted grader arrangement for grading @ 100 cum per 1.00 hour 1,814.00 Water tanker with 6 kl capacity 907.00 2.00 hour Three wheel 80-100 kN Static Roller @ 70 cum per hour 1,288.43 901.00 1.43 c) Material 883,20 Water 73,60 12.00 3,482,00 Compensation for earth taken from private land 100.00 34.82 2,448,20 Over Heads @ 12 % on (a+b+c) 2284,99 Contract. Profit @ 10 % on (a+b+c+d) 25,134.85 Cost for 100 cum = a+b+c+d 251.35

Rate per cum = (a+b+c+d)/100

	20.50		District (ii)				
			BREWENTERING TANKY. TO "				- 1
1	6.6.1	September 201					-
┞	WRD Bihar		Labour for laying dry graded Jhama Khoa or stone filter under Brick princluding light ramming etc. all complete as per approved design, specially an approved design, specially an approved design, specially approved design, approved desig	oitching or cification a	Boulder Pitch and Direction	ning in slope of E/I	or apron
_			Unit = Per Cum				100
			Taking output = 2.832 Cum				
_		a)	Labour		0.00	201.00	040.00
_		·	Mazdoor (Unskilled)	Nos.	3.00	304.00	912.00 109.44
-		b)	1204 00 (2)				1,021.44
\dashv			Cost for 2.832 cum			-	360.68
\dashv			Rate per cum (Rs)	9,550			E 9308
	3.8	55.50			المدانست الموات والمواد	Service Service 1881	House Can . "
Mary Son	1.4 RCD	The second		nading an	d stacking		
\dashv	1.4 1100		Cost of Haulage Excluding Loading and Officeating Haulage of materials by Tractor excluding cost of loading, unlo	Jaumig un		1.	
\dashv							
\dashv			Unit = t.Km Taking output = 3.60 tonnes load and lead 10 km=36.0 t.km				
\dashv			(i) Surface Road	-			
\dashv			Speed with Load: 15 km/hour	-			
\dashv			Speed while Returning empty:25km/hour.				
\dashv			Machinery				
\dashv			To the 3 6 tonne capacity	hour	0.667	612.00	408.2
\dashv			Time taken for onward haulage with load	hour	0.400	612.00	
\dashv		-	Time taken for empty return trip.				78.3
\dashv		ы	Over Heads @ 12% on (a)				731.3 20. 3
\dashv			Cost for 36 t Km=a+b				20.
-		-	Rate per t.km=(a+b)/36	a.m.			1 4
	0.236						
-			/iii Linsurfaced Graveled Goad				
\dashv		\vdash	· ··· Load:12 km/hour				
\dashv		-	Speed while Returning empty:20km/hour.				
\dashv		al	Machinery			642.00	509.
\dashv		_	a channo canacity	hour	0.833		
\dashv			Time taken for onward naulage with lots	hour	0.500	612.00	97.9
\dashv			Time taken for empty return tip.				913.
\dashv		b)	Over Heads @ 12% on (a)				25.
\dashv			Cost for 36 t Km=a+b				-1.
\dashv		_	Beta per t.km=(a+b)/36	4.41	11 - 1		
	F 0 1 7 4		Bod/Nallah Bed and Cho	oe Bed			
	قع کشد و	200	(iii) Katcha Track and Track in River Bed/Nallah Bed and Cho				
-							
4			Speed with Load:10 km/nee. Speed while Returning empty:15km/hour.				
-		-1	Machinery		1 000	612.00	612.
4				hour	1.000	- 00	408.
_			token for onward naulage with	hour	0.667	-	122.4
\Box		_	- Acken for empty return top			-	1,142
			Quer Heads @ 12% Off (a)				31
		_	Cost for 36 t Km=a+b			THE REAL PROPERTY.	3
_			Rate per t.km=(a+b)/36	भें जा			The second second

	16.7(0); 13(0);		Distribution)	imi	months:	reir.	undung ng
			Loading and Unloading of Stone Boulder/Stoneaggregates/	Sand/Kani	rer/Moon		
\neg	1.1RCD	_	Loading and Unioading of Storie Soulder/Storiesggregates/	ning turni	na for retu	m Asia au	11:
7			Placing Tractor at Loading point, loading with frontloader, dun	iping turni	ng for retu	rn trip,exc	dudingtor
١			haulage and return trip	т т			
7			Unit = Cum				
\dashv	$\overline{}$		Taking output = 2.25 Cum				
\dashv	-		Time Required for	4 4 4 1 -			
\dashv	$\overline{}$	-	Tractor at loading point	1 Min			
4			i) Positioning of Tractor de todams properties (1) Loading by Front end loader 1 Cum Bucket Capacity @ 25	5 Min			
_			•	200			
_			:::\Manauvering, reversing, dumping and turning for return	0 Min			
			iv) Waiting time, unforseen contigencies etc	0 Min			
				6 Min			
			Total		0.00	321.00	9.
		a)	Labour	day	0.03		218.
			Mate and unloading	day	0.72	304.00	210.
_			Mazdoor for loading and unloading				61.
_		b)	Machinery	hour	0.1	612.00	132.
_			Tractor 3.6 tonne capacity Tractor 3.6 tonne capacity 25 cum/hour	hour	0.083	1594.00	50.6
_		_	Front end-loader 1 cum bucket capacity & 25				472.
_		c)	Over Heads @ 12% on (a+b)				210.
_			Cost for 2.25 cum=(a+b+c)				210.
_	-	-	Date per cum (Rs)				
_		-	the done manually				1032
_	Note:-	-	Supplying for Brick Bats (with OH)	Per Cum		1032.00	123.
		1-:	Basic Rate of Brick Bats		12%		1155.
		A	Add overhead charges				1155.
		_					
		_	Total	KM	7		
			f and lead	KM	1		
			Surface Lead Katcha Track and Track in River Bed/Nallah Bed and Choe	-			
				Cum	1.6		
_		1	Bed	-			
_	1	T	Factor(3.6/2.25)				488.4
_	+	\top	200	+			400.4
_	+	B	. Carriage(with OH) ((1.6*7*20.32)+(1.6*1*31.74)+(210.07))	+			360.
_	+-	_	1//1 6*7*20.32)+(1.0 1 32				300.
_	+	+	suching and Light Ramming as per WRD	-			
	+	10	Cost of Labour for Pitching and Light Ramming as per WRD	+			2004.
_	+	+	SOR 6.6.1(with OH)	+			2001
_	+	+		+			
_	+	+	Total (A+B+C)	+			2004.
_		+		+			1972.
_		+	int and (GST+LC+SF)	+	,		1939.
		+7	For (7km.p+1kmk)= without (GST+LC+SF)	+			1907.
_		+	For (7km.p+1kmk)= without (GST+LC+SF) For (6km.p+1kmk)= without (GST+LC+SF)				1874.
		+	For (6km.p+1kmk)= without (GST+LC+SF) For (5km.p+1kmk)= without (GST+LC+SF)				10/4
		+	For (5km.p+1kmk)= without (GST+LC+SF) For (4km.p+1kmk)= without (GST+LC+SF)				
		+	For (4km.p+1kmk)= without (GST+LC+SF) For (3km.p+1kmk)= without (GST+LC+SF)				

io.	SCR SI.	7	DESCRIPTION	Unit	Quantity	Refre	Amount in
200	5.7.7		Labour for cutting 62 mm to 75 mm dia bamboo		and the second s	and the second second	S
	WRD		piles to size and making shoes and driving etc.				
	SOR		complete job as per specification and direction of				
	3011		E/I.			1	
		-	Unit :- Per M				
		-	Taking Out put:- 30.50 Mtr				
		-	(Assuming 20 nos. pile sunk 1.525 mtr deep)	-		-	
		-	Total depth sunk 30.50 meter	-			
	-	+	Total depth sunk 50.50 meter	-			
	-	+	Labour	 			
	-	-		Nos	0.25	364	01
			Carpenter Gr II				91.
		+-	Unskilled mazdoor for pilling	Nos	2.5	304	760.
		_	1110	-			100
			Add Overhead charge 12 %	-			102.
				ļ.,	-		953.
		_	Rate	M	980 NOT TO \$25.5	AC 91500000000	31.
			Say Rs	M. Sala	4-2-19	2000年5月1	31
	5.7.8		Labour for fitting and fixing split bamboo woven		1		
	WRD		chachari in position with 20 swg G.I. wire or 75				
	SOR		mm to 100 mm long nails alternatively including				
			cost of G.I. wire or nails complete job as per	1			
			specification and direction of E / I.				
	-	+	Unit :- Per M2				
			Taking Out put:- 9.30 Sqm				
	_	_	(Assuming strip of 3.05x3.05 = 9.30 sqm)				
	_	\neg					
			Materials				
			75 mm to 100 mm long nails (BCD)	Kg	0.25	58	14
			Labour				
			Carpenter Gr II	Nos	1		
			Unskilled mazdoor	Nos	1	304	304
			Add Overhead charge 12 %				81
					-		764
			Rate	M		PROFES TOWARDS	82 82
-	1 6.0	0.11	Say Rs	M		は記される。	82
3	5.7.		Labour for fitting and fixing 62mm to 75 mm dia				
	WR		bamboo runners in position at every vertical pile				1
	SOI	1	with 150 mm long nails or 38 swg G.I. wire				
	1		including cost of G.I. wire or nails complete job a	s			
		1	per specification and direction of E / I.	1			
	-		Unit :- Per M	+			
			Taking Out put:- 30.50 Mtr				
			Taking occipent		1		
	-		Materials				
			75 mm to 100 mm long nails (BCD)	Kg	0.	5 58	29
	_		75 11111 10 200 11111 1011 1011	1	1		

		Labour Carpenter Gr II				
		Unskilled mazdoor	Nos	0.125	364	
			Nos	0.25	304	45.50
		Add Overhead charge 12 %			304	76.00
		0				18.06
		Rate				168.56
1	1	Say Rs	M			5.53
		Supply Of Bamboo	M	de artu	47 6 a 1 1	5.50
	A	Bamboo 6m to 8 m				
	-		Nos	1	141.5	141.5
	_	Gross Truck Capacity(Unit Per%)(280Per	Trip)			141.3
	-	Gross Tractor Capacity(Unit Per%)(183P	er Trip)			
1.4 RCD	-	Carriage Including Loading and Unloading				
1.4 KCD	-	Cost of Haulage Excluding Loading and Unio	pading			
	-	Haulage of materials by Tractor excluding co	st of loading, u	nloading an	d stacking	
	-	Offic - CRIT			- stacking	
	-	Taking output = 3.60 tonnes load and lead	10 km=36.0 t.k	n		
	1	(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	612.00	408.2
		Time taken for empty return trip.	hour	0.400	612.00	244.8
		Cost for 36 t Km=a			022.00	653.0
		Rate per t.km=(a+b)/36				18.1
	33	То	al Cost Lkm		13.74	
		(ii) Unsurfaced Graveled Road			STATE AND VALUE OF THE PARTY.	
		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	612.00	509.8
		Time taken for empty return trip.	hour	0.500		
		Cost for 36 t Km=a				815.8
		Rate per t.km=(a+b)/36				22.6
100	1	To			45大大学	22.6
		(iii) Katcha Track and Track in River Bed/N	allah Bed and	Choe Bed		
		Speed with Load:10 km/hour				
		Speed while Returning empty:15km/hour.				
		a) Machinery				
		Tractor 3.6 tonne capacity		-		040.0
		Time taken for onward haulage with load	hour	1.000		
		Time taken for empty return trip.	hour	0.667	612.00	
		Cost for 36 t Km=a				1,020.2 28.3
		Rate per t.km=(a+b)/36	1010000 F 10100	THE RESERVE AND ADDRESS OF	阿克尔克斯亚	28.3
1945 V 1		To	uai Cost LKM			20.0
		Loading and Unloading of Bamboo			-	
	/RD	It cading and Unicading of Bamboo	1	1		I .

		- 1	Unit= Tonne				
-			Taking Output = 3.6 tonnes				
-+	a	\neg	Labour				
$-\!\!\!+$	 	\neg	Mate				
\rightarrow	-+		Mazdoor for Loading and Unloading	Nos	0.03	321	9.63
\rightarrow	-+	\dashv	Mazador for Educing and Officacing	Nos	0.72	304	218.88
\rightarrow	b	-	Machinery	-			
\rightarrow			Tractor 3.6 Tonne capacity	ļ			
\rightarrow		-	Tractor 5.0 Tonne capacity	Hour	0.72	612.00	440.64
\rightarrow		-		-			
-+	-+		Rate	MT			669.15
-+	-			 ••••	+		185.88
-+	-+		Surface Lead	км	2	-	
-+			Katcha Track and Track in River Bed/Nallah Bed	1	1		
			and Choe Bed	км	1	1	
-+			3.10 5.105 5.54	KIVI	-		
-+			Factor(8/280)	Nos	0.02857		
-+			1 2010/(0/200)	1103	0.02037		
			Carriage(without OH)	+			
_		В	((0.02857*2*18.14)+(0.02857*1*28.34)+(185.88*	0.02857	1))		7.10
			A+B	T	"i		148.60
			Add Overhead charge 12 %				17.84
			Rate	No			166.50
1	11118		Say Rs	No.			166.50
	Sr.No.27 5 WRD		Supply Of EC bags including Carriage				
	SOR		Materials	-			
			Materials Old Empty Cement Bags (Synthetic)(Annexture I)	Per			
				Per 100			
							29
				100			
			Old Empty Cement Bags (Synthetic)(Annexture I)	100			35.0
			Old Empty Cement Bags (Synthetic)(Annexture I) Add Overhead charge 12 % Rate	100 Nos			29 ² 35.0 ³ 327.0 ³
	SOR		Old Empty Cement Bags (Synthetic)(Annexture I) Add Overhead charge 12 % Rate Say Rs	100 Nos		2 字数 多形 " 2 G	35.0 327.0
			Old Empty Cement Bags (Synthetic)(Annexture I) Add Overhead charge 12 % Rate Say Rs Labour for filling empty cement bags with local	100 Nos			35.0 327.0
	5.7.40.1 WRD		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	100 Nos		2 1 2 4 F	35.0 327.0
	5.7.40.1		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 sutli and EC Bags etc. at site in dry	100 Nos			35.0 327.0
	5.7.40.1 WRD		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 sutli and EC Bags etc. at site in dry portion all complete as per approved design,	100 Nos		2. 李克·李克·丁克 加州城市,苏阳·南石	35.0 327.0
	5.7.40.1 WRD		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 sutli and EC Bags etc. at site in dry portion all complete as per approved design, specifications and direction of E/I Including Cost	100 Nos			35.0 327.0
	5.7.40.1 WRD		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 sutli 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			35.0 327.0
	5.7.40.1 WRD		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 sutli 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		2 子数 多形 " 了 "。 为 " 必要 " 。 多的 海 G	35.0 327.0
	5.7.40.1 WRD		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 sutli 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		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	35.0 327.0
	5.7.40.1 WRD	a	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 sutli 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	100 Nos			35.0 327.0
`	5.7.40.1 WRD		Add Overhead charge 12 % Rate Say Rs Labour for filling empty cement bags with local sand, stiching the bags and placing including supply of sutli 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	100 Nos	2	304	35.0 327.0 327.0
	5.7.40.1 WRD		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 sutli 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	No No Nos	2 0.5	304	35.0 327.0 327.0
	5.7.40.1 WRD	а	Add Overhead charge 12 % Rate Say Rs Labour for filling empty cement bags with local sand, stiching the bags and placing including supply of sutli 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	No No	2	304	35.0 327.0 327.0 600 9.87
	5.7.40.1 WRD	a	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 suppiy of sutli 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 Sutali	No No Nos	2	304	35.0 327.0 327.0 600 9.87
	5.7.40.1 WRD	а	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 sutli 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	No No Nos	2	304	35.0 327.0

- 1	c	Cost	of Sand & Carriage by Tractor				
	T	Cost	of Sand				
$\overline{}$	•	Carr	iage Including Loading and Unloading	Cum	1	141.8	-
1 202		Cost	of Haulage Evolution		<u> </u>	141.8	5 141.8
1.4 RCD		Hau	t of Haulage Excluding Loading and Unloading			-	
		nau	lage of materials by Tractor excluding cost of lot t = t.Km	ading u	nloading	1	
		Unit	i = t.Km		illoading a	nd stackir	ng
		Tak	ting output = 3.60 tonnes load and lead 10 km=	36 0 + 1		-	
		(1) 3	ourrace Road	CO.O L.KI	<u>"</u>	-	
		Spe	eed with Load:15 km/hour		-	-	
		Spe	eed while Returning empty:25km/hour.	-			
	а) Ma	chinery	-			
	\top	Tra	actor 3.6 tonne capacity	-	-		
	+		ne taken for onward haulage with load				
	+	Tir	me taken for empty return trip.	hour	0.667	612.0	0 408.2
	+	Cc	ost for 36 t Km=a	hour	0.400	612.0	0 244.8
	+	_					653.0
44.86	4 Const	Child Call	ate per t.km=(a+b)/36				18.1
12.27	MER	41	Total Cost	£Km			18.1
-	+) Unsurfaced Graveled Road				
1	_		peed with Load:12 km/hour				
		Sr	peed while Returning empty:20km/hour.				
_			Machinery				
			ractor 3.6 tonne capacity				
			ime taken for onward haulage with load	hour	0.833	612.00	509.80
			ime taken for empty return trip.	hour	0.500	_	
		_	Cost for 36 t Km=a				815.80
			Rate per t.km=(a+b)/36				22.66
44.19	1100	0.00	Total Cost	t.Km	100 C	100 m	22.68
			(iii) Katcha Track and Track in River Bed/Nallah B	ed and C	hoe Bed		
		_	Speed with Load:10 km/hour				
	_		Speed while Returning empty:15km/hour.				
+	_		Machinery				
	-		Tractor 3.6 tonne capacity				
_	\rightarrow		Time taken for onward haulage with load	hour	1.000		
	-		Time taken for empty return trip.	hour	0.667	612.00	
-	\rightarrow		Cost for 36 t Km=a	-			1,020.20
612	A11-18	(A) (2049)	Rate per t.km=(a+b)/36	1 Km		10.00 S.40 S.40 7	28.34 28.34
128	\$105.78B	6 27	J. Contracts	- doing	1 mm 1 m	S AND MAN	28.34
11	RCD		Loading and Unloading of Stone Boulder/Stonea	ggregate	s/Sand/Ka	nker/Moo	rum
			Placing Tractor at Loading point, loading with front				
		_	Unit = Cum	1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
			Taking output = 2.25 Cum				
			Time Required for				
			i) Positioning of Tractor at loading point	1 Min			
			II) Loading by Front end loader 1 Cum Bucket	5 Min			
		1	Capacity @ 25 Cum per hour	0.842-	 		
-		+-	iii)Maneuvering, reversing,dumping and turning fo	0 Min	 		
-		+	iv) Waiting time,unforseen contigencies etc	6 Min	 		
			Total a) Labour	0 .01111			

		1	late	day	0.03	321.00	9.63
			lazdoor for loading and unloading	day	0.72	304.00	218.88
			Machinery				
_			ractor 3.6 tonne capacity	hour	0.1	612.00	61.20
_			ront end-loader 1 cum bucket capacity @25 cum/	hour	0.083	1594.00	132.30
_			Cost for 2.25 cum=(a+b)				422.01
_		I	Rate per cum (Rs)				187.56
No	te:-		Inloading will be done manually				
-							
-	$\neg \uparrow$	1	Surface Lead	KM	2		
-	$\overline{}$		Katcha Track and Track in River Bed/Nallah Bed	KM	1		
\vdash	$\overline{}$		and Choe Bed				
\vdash	$\overline{}$	-	Factor(3.6/2.25)	Cum	1.6		
\vdash	-+						
+	-+	U	Carriage(without OH)				
+	-+		((1.6*2*18.14)+(1.6*1*28.34)+(187.56))	1			290.95
+		v	T+U	1			432.80
+	-+	•	Cost of Sand &Carriage By Tractor per for 100nos	1			132.00
н	.	ч	bag				1,471.5
+-			For 100 Bags 3.4 Cum Sand Required				
+		e	Cost of EC Bag per 100nos				29
ť		-	Total(F+G+H+I)				3293.4
+	_		Add Overhead charge 12 %	1			395.2
+		_					3688.6
+		_	Rate	No			36.886
+	-		Say Rs	No :	ALCOHOL:	外 有 \$2	36.9
4		7-	Supply of Sand Bag(withot OH)	Ell Modern de Sale		CONTRACTOR ON	
+		A	Basic Rate of Sand Bag	Nos	1	8.48	8.4
+		-	basic Nate of June Bug	1.100	<u> </u>	-	
+		+-	1 No. Cement Bag Filled with 40 Kg/1.2 Cft Sand				
\dashv		+-	Conversion Factor 1m3 =35.3146667ft3				
		+	1 Cubic Meter= Cubic Foot/35.3146667				
+		+	2 Cubic Meter= 1.2/35.3146667				
1		+	3 Cubic Meter= 0.034	1			
		+	Hence 1 Bo. Sand Bag Filled with 0.034 Cum sand				
		+	Tractor				
		+	Surface Lead	KM	2		
		\top	Katcha Track and Track in River Bed/Nallah Bed	KM	1		
			and Choe Bed				
	_		Factor(3.6/2.25)	Cum	1.6		
				<u> </u>			
							290.95
		+	B Carriage(without OH)				
			((1.6*2*18.14)+(1.6*1*28.34)+(187.56))	1			
				No	1		9.8
			((1.6*2*18.14)+(1.6*1*28.34)+(187.56)) Cost of Carriage of Sand in Filling of Sand Bag	No	1		
			((1.6*2*18.14)+(1.6*1*28.34)+(187.56)) Cost of Carriage of Sand in Filling of Sand Bag Labour for filling empty cement bags with local	No	1		
			((1.6*2*18.14)+(1.6*1*28.34)+(187.56)) Cost of Carriage of Sand in Filling of Sand Bag Labour for filling empty cement bags with local sand, stiching the bags and placing including	No	1		
	12.9 RCD		((1.6*2*18.14)+(1.6*1*28.34)+(187.56)) Cost of Carriage of Sand in Filling of Sand Bag Labour for filling empty cement bags with local	No	1		

			Taking Out put:- 750 Bags				
			Unskilled mazdoor for filling sand into bags an	d —			
			sewing				
-			Sutali	Nos	15	304	4560.00
+	-			Kg	3.75	19.75	74.06
+			Rate Per Bag		-		4634.06
+		D	Labour rates for carrying filled E.C Bags		-		6.18
+			Unskilled mazdoor for carring filled bags and		-		
			placing to work site	Nos			
+			Rate Per Bag	1405	22.5	304	6840
+					+		9.12
1					_		
			Total(A+B+C+D)				33.67
			Add Overhead charge 12 %				4.04
			Rate	No			37.7
1		4	Say Rs	No		100	37.7
\neg					ar ar a region and a region and	P. P. C. Boulds Ship	A STATE OF THE PARTY OF
_		+				-	
		+					
_	-	+			_		
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	1	_					
			(4)				