8

Inspection Report of Flood Damage work

Name of PIUs:- RWD Works Division, Benipur

Name of Block/Road:- Benipur / Yatri shed Manikpur to Paswan tola Kanhauli

A. For Road

1. Damage Location Chainage:- 0.300km to 1.000km, Ch. 1.000 Km to 1.700 Km
2. Damage Length 70m :- Road crust and flank
3. Nature of Damage :-
4. Details of Restoration Works
   i. Material being used in Restoration works:- Brick bats Bamboo. Earth, Sand bag.
   ii. Equipment's /Tools being used in Restoration works:- Tractor
   iii. Procedure taken up in Restoration works:- Mannually
   iv. Restored Length:- 70 m

B. For Bridge

1. Damage Location Chainage:-
2. Damage Length :-
3. Nature of Damage :-
4. Details of Restoration Works
   i. 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:-

Signature of JE/~~AE~~/EE 14/12/21

Signature 14/12/21
(Name of Inspection)

Scanned with CamScanner

तकनीकी प्रतिवेदन

पथ का नाम :- यात्री शेड माणिकपुर से पासवान टोली कर्णपुर

पथ की लंबाई :- 1.265 कि०मी०

प्राक्कलित राशि :- Rs823780=00

प्रमण्डल का नाम :- बेनीपुर

अंचल का नाम :- 22अंगार

योजना शीर्ष :-

योजना वर्ष :- 2021-22

प्रस्तुत प्राक्कलन विभागीय पत्रांक- मु.अ-4-4275पटना दिनांक-22-10-21 के आदेशानुसार पथ में कराये गये यातायात पुर्नस्थापना कार्य के निमित्व तैयार की गयी है।

यह प्राक्कलन यात्री शेड से माणिकपुर से कर्णपुर धार 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 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:- Yatri Shed Manikpur to Paswan Toli Kanhouli

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 do……..all 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 ect……all 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 pile ……all complete job as per specification and direction of E/I.	244	5.5	1342
			Total =	**706715**
		Add 12% GST	=	**84806**
		1% L.C	=	**7067**
		(S.Fee)-E/W (1260*34.82*.1)=4387,+B/Bat(201.6*1032*0.1)=25192	=	**25192**
			Grand Total=	**823780**

Say Rupees = 8,23,780=00

J.E
RWD,Benipur

A.E
RWD,Benipur

E.E
RWD,Benipur

Technically Sanction for Rs = 823780=00 (Rupees Eight Lacs Twenty Three Thousand Seven Hundred Eighty) only

Superintending Engineer
RWD, Works Circle, Darbhanga
10/1/22

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 complete job as per specification and direction of E/I.				
	Chainage (In M)	Length (In M)	Average Width (In M)	Average Height (In M)	Qty in M^3
		70	{(6.5+8+7+6.5)4 +(10+11+12+11) 4}/2	(2+1.5+2.5)3	1260

Item No.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				
	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 complete job as per specification and direction of E/I.				
	for pile	35	4		140
		26	4		104
	for runner	35	4		140
		26	4		104
				=	488
	Number of Bamboo	488/6			82

Item No.4	Labour for cutting 62mm to 75mm dia bamboo pile size and making shoes and driving ect.....all complete job as per specification and direction of E/I.				
		35	1		35
		26	1		26
					61

Item No 5	Labour for cutting 62mm to 75mm dia bamboo runner in position at every virtice pile .....all complete job as per specification and direction of E/I.				
		35	4		140
		26	4		104
					244

J.E
RWD,Benipur

A.E
RWD,Benipur

E.E
RWD, Benipur

Checked and Verified

12-12-2021

Analysis of Rates (FORMAT F8)

Sl. No.	SDB Sl. No.	MORD Ref No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
31	3.5	(iii)	**Excavation in Soil using Hydraulic Excavator and Tippers with disposal upto 1000 m**				
			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				
		a)	**Labour**				
			Mate	day	0.08	321.00	25.68
			Mazdoor (Unskilled)	day	2.00	304.00	608.00
		b)	**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
		c)	**Over Heads @ 12 % on(a+b)**				3372.71
		d)	**Contract. Profit @ 10 % on (a+b+c+d)**				3147.86
			Cost for 360 cum = a+b+c				34,626.44
			Rate per cum = (a+b+c)/360				96.18
			Total Cost	cum			96.18
32	3.4	301.5	**Construction of Embankment with Material Obtained from Borrow Pits**				
		(A)	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				
		a)	Labour				
			Mate	day	0.04	321.00	12.84
			Mazdoor (Unskilled)	day	1.00	304.00	304.00
		b)	Machinery				
			Hydraulic Excavator 0.9 cum bucket capacity @ 60 cum per hour	hour	1.67	2702.00	4,512.34
			Tipper 5.5 cum with 10 t capacity	hour	4.50	1,183.00	5,323.50
			Add 10 % of the cost of carriage by tipper				532.35
			Dozer D-50 for spreading @ 100 cum per hour	hour	0.50	3,274.00	1,637.00
			Tractar mounted grader arrangement	hour	1.00	612.00	612.00
			Water tanker 6 kl capacity	hour	2.00	907.00	1,814.00
			Three wheel 80-100 kN Static Roller @ 80 cum per hour	hour	1.25	901.00	1,126.25
		c)	Material				
			Water	kl	12.00	73.60	883.20
			Compensation for earth taken from private land	cum	100.00	34.82	3,482.00
		d)	Over Heads @ 12 % on (a+b+c)				2433.74
		e	Contract. Profit @ 10 % on (a+b+c+d)				2266.82
			Cost for 100 cum = a+b+c+d				24,935.04
			Rate per cum = (a+b+c+d)/100=				249.35
			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				
		a)	**Labour**				
			Mate	day	0.04	321.00	12.84
			Mazdoor (Unskilled)	day	1.00	304.00	304.00
		b)	**Machinery**				
			Hydraulic excavator 0.9 cum bucket capacity @ 100 cum per hour	hour	1.67	2702.00	4,512.34
			Tipper 5.5 cum capacity, 4 trips per hour	hour	4.50	1183.00	5,323.50
			Add 10 % of the cost of carriage to cover loading & unloading	cum			532.35
			Dozer D-50 for spreading @ 100 cum per hour	hour	0.50	3274.00	1,637.00
			Tractar mounted grader arrangement for grading @ 100 cum per hour	hour	1.00	612.00	612.00
			Water tanker with 6 kl capacity	hour	2.00	907.00	1,814.00
			Three wheel 80-100 kN Static Roller @ 70 cum per hour	hour	1.43	901.00	1,288.43
		c)	**Material**				
			Water	kl	12.00	73.60	883.20
			Compensation for earth taken from private land	cum	100.00	34.82	3,482.00
		d)	Over Heads @ 12 % on (a+b+c)				2,448.20
		e)	Contract. Profit @ 10 % on (a+b+c+d)				2284.99
			Cost for 100 cum = a+b+c+d				25,134.65
			Rate per cum = (a+b+c+d)/100				251.35
			Total Cost	cum			251.35

			BRICK BATS PITCHING MANUAL WORK				
1	6.6.1 WRD Bihar		Labour for laying dry graded Jhama Khoa or stone filter under Brick pitching or Boulder Pitching in slope or apron including light ramming etc. all complete as per approved design,specification and Direction of E/I				
			Unit = Per Cum				
			Taking output = 2.832 Cum				
		a)	Labour				
			Mazdoor (Unskilled)	Nos.	3.00	304.00	912.00
		b)	Over Heads @ 12% on (a)				109.44
			Cost for 2.832 cum				1,021.44
			Rate per cum (Rs)				360.68
	1.4 RCD		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 onward haulage with load	hour	0.667	612.00	408.20
			Time taken for empty return trip.	hour	0.400	612.00	244.80
		b)	Over Heads @ 12% on (a)				78.36
			Cost for 36 t Km=a+b				731.36
			Rate per t.km=(a+b)/36				20.32
			(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	612.00	509.80
			Time taken for empty return trip.	hour	0.500	612.00	306.00
		b)	Over Heads @ 12% on (a)				97.90
			Cost for 36 t Km=a+b				913.69
			Rate per t.km=(a+b)/36				25.38
			(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	1.000	612.00	612.00
			Time taken for empty return trip.	hour	0.667	612.00	408.20
		b)	Over Heads @ 12% on (a)				122.42
			Cost for 36 t Km=a+b				1,142.63
			Rate per t.km=(a+b)/36				31.74

Sl. No.	SOR Sl. No.		DESCRIPTION	Unit	Quantity	Rate	Amount ₹
	1.1RCD		**Loading and Unloading of Stone Boulder/Stoneaggregates/Sand/Kanker/Moorum**				
			Placing Tractor at Loading point,loading with frontloader,dumping turning for return trip,excludingfor haulage and return trip				
			Unit = Cum				
			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 Capacity @ 25 Cum per hour	5 Min			
			iii)Maneuvering, reversing,dumping and turning for return	0 Min			
			iv) Waiting time,unforseen contigencies etc	0 Min			
			Total	6 Min			
		a)	**Labour**				
			Mate	day	0.03	321.00	9.63
			Mazdoor for loading and unloading	day	0.72	304.00	218.88
		b)	**Machinery**				
			Tractor 3.6 tonne capacity	hour	0.1	612.00	61.20
			Front end-loader 1 cum bucket capacity @25 cum/hour	hour	0.083	1594.00	132.30
		c)	**Over Heads @ 12% on (a+b)**				50.64
			Cost for 2.25 cum=(a+b+c)				472.65
			Rate per cum (Rs)				210.07
			Unloading will be done manually				
	Note:-		**Supplying for Brick Bats (with OH)**				
		1	Basic Rate of Brick Bats	Per Cum		1032.00	1032.00
		A.	Add overhead charges		12%		123.84
			Total				1155.84
			Surface Lead	KM	7		
			Katcha Track and Track in River Bed/Nallah Bed and Choe Bed	KM	1		
			Factor(3.6/2.25)	Cum	1.6		
							488.438
		B.	Carriage(with OH)				
			((1.6*7*20.32)+(1.6*1*31.74)+(210.07))				360.68
		C.	Cost of Labour for Pitching and Light Ramming as per WRD SOR 6.6.1(with OH)				2004.96
			Total (A+B+C)				2004.96
			For (7km.p+1kmk)= without (GST+LC+SF)				1972.45
			For (6km.p+1kmk)= without (GST+LC+SF)				1939.93
			For (5km.p+1kmk)= without (GST+LC+SF)				1907.42
			For (4km.p+1kmk)= without (GST+LC+SF)				1874.91
			For (3km.p+1kmk)= without (GST+LC+SF)				

Sl. No.	SOR Sl. No.		DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
	5.7.7 WRD SOR		Labour for cutting 62 mm to 75 mm dia bamboo piles to size and making shoes and driving etc. complete job as per specification and direction of E / I.				
			Unit :- Per M				
			Taking Out put:- 30.50 Mtr				
			(Assuming 20 nos. pile sunk 1.525 mtr deep)				
			Total depth sunk 30.50 meter				
			Labour				
			Carpenter Gr II	Nos	0.25	364	91.00
			Unskilled mazdoor for pilling	Nos	2.5	304	760.00
			Add Overhead charge 12 %				102.12
							953.12
			Rate	M			31.25
			Say Rs	M			31.20
2	5.7.8 WRD SOR		Labour for fitting and fixing split bamboo woven chachari in position with 20 swg G.I. wire or 75 mm to 100 mm long nails alternatively including cost of G.I. wire or nails complete job as per specification and direction of E / I.				
			Unit :- Per M2				
			Taking Out put:- 9.30 Sqm				
			(Assuming strip of 3.05x3.05 = 9.30 sqm)				
			Materials				
			75 mm to 100 mm long nails (BCD)	Kg	0.25	58	14.50
			Labour				
			Carpenter Gr II	Nos	1	364	364.00
			Unskilled mazdoor	Nos	1	304	304.00
			Add Overhead charge 12 %				81.90
							764.40
			Rate	M			82.19
			Say Rs	M			82.20
3	5.7.9 WRD SOR		Labour for fitting and fixing 62mm to 75 mm dia bamboo runners in position at every vertical pile with 150 mm long nails or 38 swg G.I. wire including cost of G.I. wire or nails complete job as per specification and direction of E / I.				
			Unit :- Per M				
			Taking Out put:- 30.50 Mtr				
			Materials				
			75 mm to 100 mm long nails (BCD)	Kg	0.5	58	29.00

			Labour				
			Carpenter Gr II	Nos	0.125	364	45.50
			Unskilled mazdoor	Nos	0.25	304	76.00
			Add Overhead charge 12 %				18.06
			Rate	M			168.56
			Say Rs	M			5.53
			Supply Of Bamboo				5.50
		A	**Bamboo 6m to 8 m**	Nos	1	141.5	141.5
			Gross Truck Capacity(Unit Per%)(280Per Trip)				
			Gross Tractor Capacity(Unit Per%)(183Per Trip)				
			Carriage Including Loading and Unloading				
	1.4 RCD		**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 onward haulage with load	hour	0.667	612.00	408.20
			Time taken for empty return trip.	hour	0.400	612.00	244.80
			Cost for 36 t Km=a				653.00
			Rate per t.km=(a+b)/36				18.14
			Total Cost	t.Km			18.14
			(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	612.00	509.80
			Time taken for empty return trip.	hour	0.500	612.00	306.00
			Cost for 36 t Km=a				815.80
			Rate per t.km=(a+b)/36				22.66
			Total Cost	t.Km			22.66
			(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	1.000	612.00	612.00
			Time taken for empty return trip.	hour	0.667	612.00	408.20
			Cost for 36 t Km=a				1,020.20
			Rate per t.km=(a+b)/36				28.34
			Total Cost	t.Km			28.34
	4.3 WRD SOR		Loading and Unloading of Bamboo				

			Unit= Tonne				
			Taking Output = 3.6 tonnes				
		a	Labour				
			Mate	Nos	0.03	321	9.63
			Mazdoor for Loading and Unloading	Nos	0.72	304	218.88
		b	Machinery				
			Tractor 3.6 Tonne capacity	Hour	0.72	612.00	440.64
							669.15
			Rate	MT			185.88
			Surface Lead	KM	2		
			Katcha Track and Track in River Bed/Nallah Bed and Choe Bed	KM	1		
			Factor(8/280)	Nos	0.02857		
			Carriage(without OH)				
		B	((0.02857*2*18.14)+(0.02857*1*28.34)+(185.88*0.02857))				7.16
			A+B				148.66
			Add Overhead charge 12 %				17.84
			Rate	No			166.50
			Say Rs	No			166.50
	Sr.No.27 5 WRD SOR		Supply Of EC bags including Carriage				
			Materials				
			Old Empty Cement Bags (Synthetic)(Annexture I)	Per 100 Nos			292
			Add Overhead charge 12 %				35.04
			Rate	No			327.04
			Say Rs	No			327.00
	5.7.40.1 WRD SOR		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				
		a	For filling & stiching & stacking				
			Unskilled mazdoor for filling sand into bags and sewing	Nos	2	304	608
			Sutali	Kg	0.5	19.75	9.875
		F					617.875
		b	Labour rates for carrying filled E.C Bags				
		G	Unskilled mazdoor for carring filled bags and placing to work site	Nos	3	304	912

		c	Cost of Sand & Carriage by Tractor				
		T	Cost of Sand				
			Carriage Including Loading and Unloading	Cum	1	141.85	141.85
1.4 RCD			**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 onward haulage with load	hour	0.667	612.00	408.20
			Time taken for empty return trip.	hour	0.400	612.00	244.80
			Cost for 36 t Km=a				653.00
			Rate per t.km=(a+b)/36				18.14
			Total Cost	t.Km			18.14
			(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	612.00	509.80
			Time taken for empty return trip.	hour	0.500	612.00	306.00
			Cost for 36 t Km=a				815.80
			Rate per t.km=(a+b)/36				22.66
			Total Cost	t.Km			22.66
			(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	1.000	612.00	612.00
			Time taken for empty return trip.	hour	0.667	612.00	408.20
			Cost for 36 t Km=a				1,020.20
			Rate per t.km=(a+b)/36				28.34
			Total Cost	t.Km			28.34
	1.1RCD		**Loading and Unloading of Stone Boulder/Stoneaggregates/Sand/Kanker/Moorum**				
			Placing Tractor at Loading point,loading with frontloader,dumping turning for return				
			Unit = Cum				
			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			
			Capacity @ 25 Cum per hour				
			iii)Maneuvering, reversing,dumping and turning fo	0 Min			
			iv) Waiting time,unforseen contigencies etc	0 Min			
			Total	6 Min			
		a)	**Labour**				

				Mate	day	0.03	321.00	9.63
				Mazdoor for loading and unloading	day	0.72	304.00	218.88
			b)	Machinery				
				Tractor 3.6 tonne capacity	hour	0.1	612.00	61.20
				Front end-loader 1 cum bucket capacity @25 cum/	hour	0.083	1594.00	132.30
				Cost for 2.25 cum=(a+b)				422.01
				Rate per cum (Rs)				187.56
	Note:-			Unloading will be done manually				
				Surface Lead	KM	2		
				Katcha Track and Track in River Bed/Nallah Bed and Choe Bed	KM	1		
				Factor(3.6/2.25)	Cum	1.6		
			U	Carriage(without OH)				
				((1.6*2*18.14)+(1.6*1*28.34)+(187.56))				290.952
			V	T+U				432.802
		H	d	Cost of Sand &Carriage By Tractor per for 100nos bag				1,471.53
				For 100 Bags 3.4 Cum Sand Required				
		I	e	Cost of EC Bag per 100nos				292
				Total(F+G+H+I)				3293.40
				Add Overhead charge 12 %				395.21
								3688.61
				Rate	No			36.8861
				Say Rs	No			36.90
				Supply of Sand Bag(withot OH)				
			A	Basic Rate of Sand Bag	Nos	1	8.48	8.48
				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 and Choe Bed	KM	1		
				Factor(3.6/2.25)	Cum	1.6		
			B	Carriage(without OH)				
				((1.6*2*18.14)+(1.6*1*28.34)+(187.56))				290.952
				Cost of Carriage of Sand in Filling of Sand Bag	No	1		9.89
	12.9 RCD		C	Labour for filling empty cement bags with local sand,stiching the bags and placing including suppiy of sutli and EC Bags etc,as per specifications and direction of E/I				
				Unit=Per Bag				

		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
	D	Labour rates for carrying filled E.C Bags				
		Unskilled mazdoor for carring filled bags and placing to work site	Nos	22.5	304	6840
		Rate Per Bag				9.12
		Total(A+B+C+D)				33.67
		Add Overhead charge 12 %				4.04
		Rate	No			37.71
		Say Rs	No			37.70