

ABSTRACT OF COST

Division:- Triveniganj Block:- Triveniganj

Work Circle :- Madhepura

Work:- Restoration of " PMGSY Sampat Saha House to PMGSY Road"

Restoration Length :- 0.125 Km

Scheme Head :- Restoration (3054)

Session :- FDR (2021-22)

Sl No	DESCRIPTIONS	AMOUNT (Rs)
1	RESTORATION AMOUNT OF WORK	2,657,955.00
2	GST @ 12%	318,955.00
3	L. Cess @ 1%	26,580.00
4	S. Fee (used material) @ 10%	118,772.00
	Total cost (Rs.)	3,122,262.00
	Restoration Cost (Lacks)	31.22

21/05/2022
JE

Viv
11.5.22
AE

21.5.22
Executive Engineer
Rural Works Department
Work Division, Triveniganj

Vide letter 40404(30)/9/94 dt 23.29/2019-48404

Technically sanctioned for Rs - 3122262/-

Thirty one lacks twenty two thousand
Two hundred sixty two only.)

27/06/22

SUPERINTENDING ENGINEER
RWD (W) CIRCLE
MADHEPURA

विभाग, कार्य अचल मधेपुरा की अध्यक्षता में गठित चार सदस्यीय समिति द्वारा कार्य प्रमंडल, त्रिवेणीगंज के अंतर्गत वर्ष 2021-22 में बाढ़/ अतिवृष्टि से क्षतिग्रस्त पथों के मोटरबुल कार्य के कृत कार्य मदों की मात्रा का स्थलीय जाँच संबंधित सहायक अभियंता एवं कनीय

23	PMGSY Sapat Saha House to PMGSY Road								Division Triveniganj			
Block:- Triveniganj												
Sl No	Work discription	Type	Sides	Nos	Length (m)	Width (m)		Depth (m)		Qty/Area (m2/m3)	unit	
1	3	4	5	6	7	8	9	10	11	12	13	
1	Local Sand		1	1	15.00	12.00	5.50	0.45	0.60	68.91		
			1	2	30.00	6.00	6.00	0.45	0.60	189.00		
			1	1	27.00	6.00	6.50	0.45	0.60	88.59		
			1	1	14.00	16.00	6.50	0.45	0.60	82.69		
			1	1	36.00	6.50	6.50	0.45	0.60	122.85		
Filling of local sand										552.04	cum	
2	Brick bats		1	1	34.00	3.20	3.20	0.30	0.30	32.64		
			1	1	34.00	5.00	5.00	0.75	0.75	127.50		
			1	1	34.00	3.20	3.20	1.20	1.20	130.56		
			1	1	15.00	6.00	4.00	0.30	0.30	22.50		
			1	1	27.00	4.00	4.50	0.30	0.30	34.43		
			1	1	14.00	4.50	4.50	0.30	0.45	23.63		
		deduction (HP 1000mm dia)								371.26	cum	
			1	20		3.20		1.13	(-)	72.32	cum	
Total Brick bats Qty										298.94	cum	
	GSB Gr-II		1	1	34	4.00	4.00	0.15	0.20	23.80		
			1	1	15	10.00	4.00	0.15	0.20	18.38		
			1	1	27	4.00	4.50	0.15	0.20	20.08		
			1	1	14	14.00	4.50	0.15	0.20	22.66		
			1	1	30	4.50	4.50	0.15	0.20	23.63		
			1	1	5	10.00	7.00	0.15	0.20	7.44		
Total GSB Gr-II Qty										115.99	cum	
4	Geo bag		2	1	34.00	0.90	0.90	2.20	2.20	134.64		
			1	1	34.00	5.00	5.00	0.30	0.45	63.75		
			1	1	34.00	3.20	3.20	1.20	1.20	130.56		
			2	1	7.00	3.60	3.90	0.30	0.30	15.75		
			1	1	36.00	3.10	3.30	0.30	0.30	34.56		
			1	1	15.00	3.40	3.60	0.30	0.30	15.75		
		deduction (HP 1000mm dia)								Qty 395.01	cum	
			2	20		0.90		1.130	(-)	40.68	cum	
Total										354.33	cum	
5	Hume Pipe	1000mm dia		40	2.50					100.00	m	
6	Bamboo Piling									287.00	Nos	
7	Empty cemnt bag		1	1	19.00	3.30	3.60	0.16	0.16	10.49		
			1	1	19.00	2.80	3.30	0.16	0.16	9.27		
										19.76	m3	

UPERINTENDING ENGINEER
RWD (W) CIRCLE
MADHEPURA

कार्यपालक अभियंता
ग्रामीण कार्य विभाग,

कार्यपालक अभियंता
ग्रामीण कार्य विभाग,

कार्यपालक अभियंता
ग्रामीण कार्य विभाग,

BILL OF QUANTITY						
Name of work:- Restoration of " PMGSY Sampat Saha House to PMGSY Road"					Division	Triveniganj
Scheme head:- Restoration (3054)					Block:-	Triveniganj
Session :- FDR (2021-22)					Circle :-	Madhepura
Sl No	SOR No Depart.	Work discription	Qty/Area (m ² /m ³)	unit	Rate (Rs)	Amount (Rs)
1	2	3	4	5	6	7
1	12.3	Filling of local sand obtained from river bed, watering & ramming, all complete job as per specification & direction of Engineer-in-charge.	552.04	cum	549.11	303131.00
2	5.7.40 WRD	Providing and laying of Brick bats obtained from chimney with machanical means with all spreading, grading to required slope and compacted at OMC to acheive required density with all complete as per the direction of engineer in charge.	298.94	cum	1922.87	574823.00
4	401	Construction of granular sub-base (GSB Gr-II) by providing well graded material, spreading in uniform layers with tractor mounted grader arrangement on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401.	115.99	cum	3010.64	349204.00
5	5.7.40.1	EMPTY CEMENT BAGS (Length- 710 mm, & width- 480 mm with self closing valve. Weight: 70-75 gm per bag,) fillings with loocal sand, stitching the bags and placing with lead of 150 M including supply of sutli etc. at site in dry portion all complete as per approved design, specification and direction of E/I (volume of each bag is 0.034m ³)	581.00	Nos	37.05	21526.00
6	9.3	Prpviding and Laying Reinforced cement concrete Hume Pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets.				
		HP 1000mm dia	100.00	m	4046.57	404657.00
7	5.7.40.2	Providing, laying and filling GEO BAGS of size 1m X 0.70 m (Type A 300 GSM nonwoven) weight of bags 420g volume of filled bag 0.07m ³ . weight of filled Geo bags 126 Kg with local sand including stitching in four lines by approved nylon thread with stitching machine and generator stacking and placing after loading unloading and carriage with help of trolley within 150m lead all complete as per specifications and direction of E/I (including Carriage of Local sand lead 0.5 km)	5062.00	Nos	172.18	871575.00
8		Supplying bamboo 75 mm dia 6 m to 8 m long at..... complete job as per specification and direction of E / I.	287.00	Nos	188.39	54068.00
9	5.7.7 WRD	Labour for cutting 62 mm to 75 mm dia sal bamboo piles to size and making shoes and driving etc. complete job as per specification and direction of E / I.	1722.00	m	45.86	78971.00
				Total		2657955.00
				GST@12%		318955.00
				L.Cess@1%		26580.00
				S. Fee		118772.00
				Grand Total		3122262.00

20/10/2022
J.E

RWD(W) Division
Triveniganj

Vib
11.5.22
A.E

RWD(W) Division
Triveniganj

G. S. 22
E.E

RWD(W) Division
Triveniganj

MEASUREMENT CALCULATION SHEET

Restoration of " PMGSY Sampat Saha House to PMGSY Road"

Division Triveniganj

Restoration (3054)

Block:- Triveniganj

FDR (2021-22)

Circle :- Madhepura

Sl No	SOR No	Work discription	Type	Sides	Nos	Length (m)	Width (m)		Depth (m)		Qty/Area	unit
	Department						W1	W2	D1	D2	(m2/m3)	
1	2	3	4	5	6	7	8	9	10	11	12	13
1	12.3	Filling of local sand obtained from river bed, watering & ramming, all complete job as per specification & direction of Engineer-in-charge.										
				1	1	15.00	12.00	5.50	0.45	0.60	68.91	
				1	2	30.00	6.00	6.00	0.45	0.60	189.00	
				1	1	27.00	6.00	6.50	0.45	0.60	88.59	
				1	1	14.00	16.00	6.50	0.45	0.60	82.69	
				1	1	36.00	6.50	6.50	0.45	0.60	122.85	
		Embankment/Flank filling with soil										552.04 cum
2	5.7.40 WRD	Providing and laying of Brick bats obtained from chimney with machanical means with all spreading, grading to required slope and compacted at OMC to acheive required density with all complete as per the direction of engineer in charge.										
				1	1	34.00	3.20	3.20	0.30	0.30	32.64	
				1	1	34.00	5.00	5.00	0.75	0.75	127.50	
				1	1	34.00	3.20	3.20	1.20	1.20	130.56	
				1	1	15.00	6.00	4.00	0.30	0.30	22.50	
				1	1	27.00	4.00	4.50	0.30	0.30	34.43	
				1	1	14.00	4.50	4.50	0.30	0.45	23.63	
			Deduction (IIP 1000mm dia)								371.26	cum
				1	20		3.20		1.13	(-)	72.32	cum
		Total Brick bats Qty										298.94 cum
4	401	Construction of Granular sub-base (GSB Gr-II) by providing well graded material, spreading in uniform layers with tractor mounted grader arrangement on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401.										
				1	1	34	4.00	4.00	0.15	0.20	23.80	
				1	1	15	10.00	4.00	0.15	0.20	18.38	
				1	1	27	4.00	4.50	0.15	0.20	20.08	
				1	1	14	14.00	4.50	0.15	0.20	22.66	
				1	1	30	4.50	4.50	0.15	0.20	23.63	
				1	1	5	10.00	7.00	0.15	0.20	7.44	
		Total GSB Gr-II Qty										115.99 cum
5	5.7.40.2	Providing, laying and filling GEO BAGS of size 1m X 0.70 m (Type A 300 GSM nonwoven) weight of bags 420g volume of filled bag 0.07m3. weight of filled Geo bags 126 Kg with local sand including stitching in four lines by approved nylon thread with stitching machine and generator stacking and placing after loading unloading and carriage with help of trolley within 150m lead all complete as per specifications and direction of E/I (including Carriage of Local sand lead 0.5 km)										
				2	1	34.00	0.90	0.90	2.20	2.20	134.64	
				1	1	34.00	5.00	5.00	0.30	0.45	63.75	
				1	1	34.00	3.20	3.20	1.20	1.20	130.56	
				2	1	7.00	3.60	3.90	0.30	0.30	15.75	
				1	1	36.00	3.10	3.30	0.30	0.30	34.56	
				1	1	15.00	3.40	3.60	0.30	0.30	15.75	
			Deduction (HP 1000mm dia)								Qty	395.01 cum
				2	20		0.90		1.130	(-)	40.68	cum
		Total										354.33 cum
		Total no of Geo bags										Say 5062.00 Nos

MEASUREMENT CALCULATION SHEET

Name of work:- Restoration of " PMGSY Sampat Saha House to PMGSY Road"												
Scheme head:- Restoration (3054)												
Session :- FDR (2021-22)												
Division Triveniganj												
Block:- Triveniganj												
Circle :- Madhepura												
SI No	SOR No	Work discription	Type	Sides	Nos	Length (m)	Width (m)		Depth (m)		Qty/Area (m2/m3)	unit
1	2	3	4	5	6	7	W1	W2	D1	D2	12	13
6	9.3	Prpvding and Laying Reinforced cement concrete Hume Pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets .										
		1000mm dia			40	2.50					100.00	m
7		Supplying bamboo 75 mm dia 6 m to 8 m long at..... complete job as per specification and direction of E / I.									287.00	Nos
8	5.7.7 WRD	Labour for cutting 62 mm to 75 mm dia sal bamboo piles to size and making shoes and driving etc. complete job as per specification and direction of E / I.									1722.00	m
					287	6.00						
7	5.7.40.1	EMPTY CEMENT BAGS (Length- 710 mm, & width- 480 mm with self closing valve. Weight: 70-75 gm per bag.) fillings with loocal sand, stitching the bags and placing with lead of 150 M including supply of sutli etc. at site in dry portion all complete as per approved design, specification and direction of E/I (volume of each bag is 0.034m3)										
		Empty cemnt bag			1	1	19.00	3.30	3.60	0.16		10.49
		Empty cemnt bag			1	1	19.00	2.80	3.30	0.16		9.27
											Qty	19.76 m3
											Total no of cement Bags	581.00 Nos

JE
15/05/2022
JE
Triveniganj

Vijay
11.5.22
AE
Triveniganj

G21.5.22
EE
RWD(W) Division
Triveniganj