

**Before The National Green Tribunal  
Eastern Zone Bench Kolkata**

Original Application No. 212/2024/EZ of  
Nagendra Singh .....Petitioner  
Versus  
The State of Bihar & ors. ....Respondents

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Other

First Party Name \* : Not Applicable  
 Second Party Name \* : SANJIT KUMAR  
 Purchased By \* : SANJIT KUMAR  
 Certificate Number : BR038161211740647387289  
 Consideration Price : ₹0.00/-  
 Stamp Duty Paid : ₹100.00/-  
 Registration Fee & Other Fees : ₹0.00/-  
 LLR & Proc Fee : ₹0.00/-  
 Miscellaneous Fees : ₹0.00/-  
 Discore SC : ₹0.00/-  
 Total Amount : ₹100.00/- ( One Hundred )



8167  
24/4/22

----- This stamp paper will only be valid if embossed below with special RED ink impression. -----



Phone No:  
 Sold To/Issued To:  
 For Whom/ID Proof:  
 SANJIT KUMAR

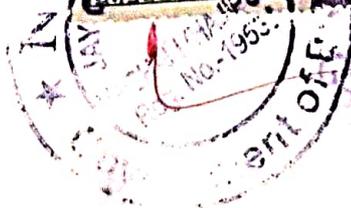
भारत INDIA  
 INDIA NON JUDICIAL  
 D S R OFFICE  
 HAJIPUR  
 844101  
 BIHAR  
 विहार  
 सत्यमेव जयते  
 भारतीय गैर न्यायिक



FEB-27-2025 14:43:14

₹ 0000100/-  
 ZERO ZERO ZERO ZERO ONE ZERO ZERO

Agreement  
 38161211740667394486-00040542  
 3816121 2845



Before,

The National Green Tribunal  
Eastern Zone Bench, Kolkata

Original Application No.212/2024/EZ



Narendra Singh.....Applicant

Versus

The state of Bihar & others..... Respondents

Counter Affidavit on behalf of Sanjeet Kumar, Mukhiya, Gram Panchayat,  
Raj Lakshmpipur, Brahambatta, Block Jandaha, District-Vaishali:-

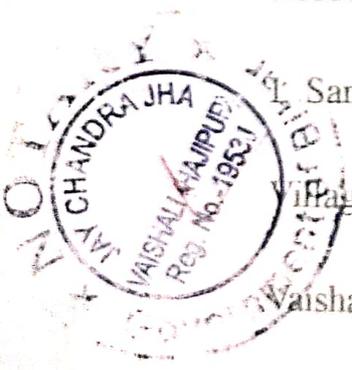
This affidavit is regarding original Application No- 212/2024/EZ of The  
**NATIONAL GREEN TRIBUNAL** Eastern Zone Bench Kolkata.

Sanjit Kumar aged about 35 years, S/O-Late Ram Dayal Paswan, R/O  
Village-Rampur Ramhar, P.O.-Rampur Ramhar, P.S.-Jandaha, District-

Vaishali do hereby solemnly affirm and state as follows:-

1. That this counter affidavit is being filed regarding the Original Application No.- 212/2024/EZ being subjudice in the National Green Tribunal, Eastern Zone Bench, Kolkata jurisdiction of Block Jandaha

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24/4/24

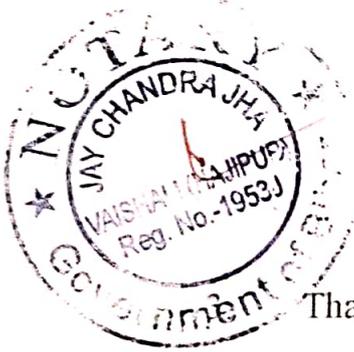


X

District-Vaishali. My Aadhar Card No)-5322,9311 5373

2. That under the scheme Lohiya Swachha, Bihar Abhiyan initiated by the Rural Development Department Government of Bihar with a purpose to keep the village clean, Waste Processing Unit (WPU) has to be established in each and every Panchayat for solid and Liquid Waste Management (SLWM).

Xerox copy of Letter dated 13/06/2022 issued by the Lohiya Swachch, Bihar Abhiyan Rural Development Department, Government of Bihar under memo No. BRLPS/LSBA/PXY/163/20 is being annexed and marked as Annexure - A.



That waste materials collected from each and every house of the villages of the Panchayat have to be processed, classified and sent to other places.

4. That I have been directed to follow up the Action Plan vide administrative approval dated 28/10/2024 for a sum of Rs.7,49,400/- with a purpose to get the Waste Processing Unit (WPU) constructed.

X

5. That I have got the (WPU) constructed investing a sum of Rs.7,48,704/- as per MB (Measurement Book).
6. That Waste Materials are collected in a limited amount being the place situated in a Rural area.

Xerox copy of suggestive design and specification of WPU is being annexed and marked as Annexure - B.

7. That ward No.13 and 14 of the Panchayat Lakshmipur Brahmabatta are situated closely to the river Baya and as such there had been apprehension of the waste materials of village be swept away polluting the river water and so with a view to keep the river water clean WPU had been constructed.



That after the complaint has been filed by the complainant the work of waste material processing and classification thereof has been completely stopped.

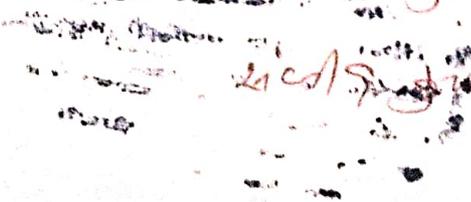
9. That the site for construction of WPU had been decided and approved by Gram Sabha and as such the Circle officer, Jandaha issued No objection certificate (NOC) as to the site selected.

✕

- 10. That the land is owned by the state of Bihar.
- 11. That the Gram Panchayat Lakshmipur Brahmbatta is devoted to keep the river free from pollution and for the same purpose WPU has been constructed.
- 12. That the construction of Waste Materials Processing Unit (WPU) had never been intended to violate the provision laid down in Pollution Control Rules.
- 13. That the deponent has been a social worker since his childhood devoted to well-being of the society and he cannot imagine even in his wildest dream to do anything detrimental to well-being of the society.
- 14. That the annexures are the exact copies of their respective originals.
- 15. That the statements made by me from para 1 to para 10 are true and correct as per information available on record and rest one as per my knowledge.

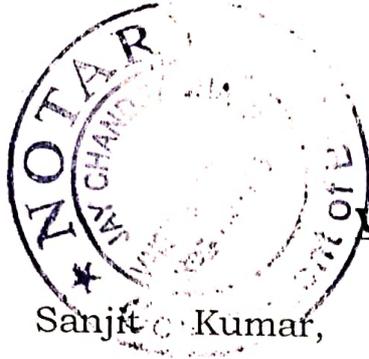
Hence this affidavit



  
 Deponent

  
 Notary Public  
 Jaishahi Haipur

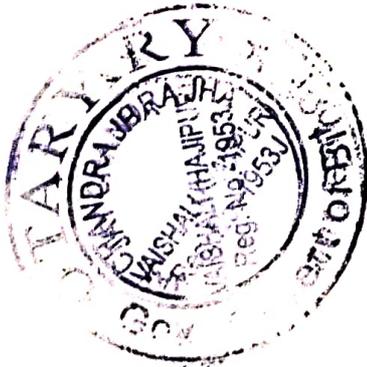


**VERIFICATION**

I, Sanjit Kumar, Mukhiya Gram Panchayat Raj  
Lakshmanpur, Barhbatta under block Jandaha Distrit  
Vaishali, do hereby solemnly affirm and verify that all the  
statements made by me in para-1 to 15 of my counter  
affidavit are true and correct to the best of my knowledge and  
belief.

*Sanjit Kumar*

Mukhiya  
Gram Panchayat Raj  
Lakshmanpur, Barhbatta  
District-Vaishali (Bihar)



*Sanjit Kumar*  
Notary Public  
Vaishali Hajipur

ANNEX - B



# लोहिया स्वच्छ बिहार अभियान

(स्वच्छ भारत मिशन (ग्रामीण) एवं लोहिया स्वच्छता योजना)  
बिहार ग्रामीण जीविकोपार्जन प्रोत्साहन समिति, ग्रामीण विकास विभाग



विद्युत भवन-2, प्रथम तल, बेली रोड, पटना-800 021, दूरभाष : +91-612-250 4980, फैक्स : +91-612-250 4980, वेबसाइट : www.lsba.bih.nic.in

पत्रांक :

प्रेषक,

राहुल कुमार, <sup>पा०प्र०से०</sup>  
मुख्य कार्यपालक पदाधिकारी-सह-मिशन निदेशक।

सेवा में,

सभी जिला पदाधिकारी-सह-अध्यक्ष,  
जिला जल एवं स्वच्छता समिति, बिहार।

विषय : लोहिया स्वच्छ बिहार अभियान- द्वितीय चरण अन्तर्गत WPU (Waste Processing Unit) के निर्माण के संबंध में।

प्रसंग : कार्यालय का पत्रांक BRLPS/LSBA/Proj/163/20/635 दिनांक 18.02.2022

महाशय,

उपर्युक्त प्रसांगाधीन विषय के संबंध में अवगत कराना है कि विकसित बिहार के सात निश्चय - 2 के अंतर्गत 'स्वच्छ गांव-समृद्ध बिहार' के निर्धारित लक्ष्य की प्राप्ति हेतु लोहिया स्वच्छ बिहार अभियान - द्वितीय चरण (2020-21 से 2024-25) के तहत चरणबद्ध तरीके से 'ठोस एवं तरल अपशिष्ट प्रबंधन'(SLWM) के क्रियान्वयन द्वारा राज्य के सभी ग्राम पंचायतों को सम्पूर्ण स्वच्छ (ODF-Plus) बनाया जाना लक्षित है। विदित है कि ठोस अपशिष्ट प्रबंधन अंतर्गत घर-घर से अपशिष्ट का उठाव, परिवहन एवं ग्राम पंचायत स्थित अपशिष्ट प्रसंस्करण इकाई (Waste Processing Unit) पर अपशिष्ट के संग्रहण, पृथक्करण, वर्गीकरण एवं समुचित निष्पादन (Processing) किये जाने का प्रावधान है। इस कार्य हेतु ग्राम पंचायत में उपयुक्त स्थल पर अपशिष्ट प्रसंस्करण इकाई (WPU) का निर्माण मनरेगा निधि से किया जाना है तथा इसमें 15वीं वित्त आयोग एवं 6वें राज्य वित्त निधि से भी व्यय किया जाना अनुमान्य है।

पेयजल एवं स्वच्छता विभाग (DoDWS), जलशक्ति मंत्रालय, भारत सरकार द्वारा स्वच्छ भारत मिशन (ग्रामीण) अंतर्गत अपशिष्ट प्रसंस्करण इकाई (WPU) के निर्माण हेतु व्यय की सीमा निर्धारित नहीं की गयी है। नीर निर्मल परियोजना अंतर्गत पायलट परियोजना के रूप में पांच लाख रुपये में WPU का निर्माण जमुई एवं अन्य जिलों में किया गया है तथा राज्य के विभिन्न जिला द्वारा WPU की प्राक्कलन राशि औसतन पांच लाख से सात लाख रुपया तक का तैयार किया गया है। वर्तमान में कई जिलों द्वारा विभिन्न बैठकों में WPU हेतु अधिकतम राशि पांच लाख रुपये को नये / संशोधित SOR के आलोक में बढ़ाने हेतु अनुरोध किया गया है।

उपरोक्त तथ्यों के आलोक में वर्तमान में निर्माण सामग्रियों (नये SOR) के दाम एवं अन्य लागत में वृद्धि के दृष्टिगत एक यूनिट अपशिष्ट प्रसंस्करण इकाई निर्माण पर व्यय की सीमा 5 लाख रुपये से अधिकतम 7.5 लाख रुपये निर्धारित की जाती है, जिसमें निम्न निर्देशों का अनुपालन सुनिश्चित किया जाय :-

1. अपशिष्ट प्रसंस्करण इकाई (WPU) हेतु निर्मित भवन / शेडयुक्त कक्ष का न्यूनतम आकार 30 फिट x 30 फिट होनी चाहिए। जिसमें अपशिष्ट की अलग-अलग वर्गों में पृथक्करण हेतु स्थल/संरचना, पृथक्करण पश्चात वर्गीकृत अपशिष्टों (यथा- जैविक अपशिष्ट, प्लास्टिक अपशिष्ट, धातु अपशिष्ट, कांच, ई-अपशिष्ट, मेडिकल अपशिष्ट इत्यादि) को अलग-अलग रखने हेतु संग्रहण स्थल/संरचना का निर्माण किया जाय।

विकसित बिहार का निश्चय : शौचालय निर्माण, घर का सम्मान



2. अपशिष्ट प्रसंस्करण इकाई में जैविक अपशिष्ट प्रबंधन हेतु विविध संरचनाओं का निर्माण किया जाय।
3. अपशिष्ट के समुचित निष्पादन एवं WPU में कार्य करने वाले मानव संसाधन हेतु उपयुक्त स्थिति के दृष्टिगत WPU में ताजी हवा का सतत आवागन (Proper Ventilation) आवश्यक है। इस आलोक में सतह से चार-पांच फिट की पक्की जुड़ाई के बाद उपर की संरचना जालीदार (ईंट या लोहे की ग्रिल निर्मित) बनायी जाय।
4. WPU के मुख्य भवन के बाहर जैविक अपशिष्ट से जैविक खाद बनाये जाने हेतु 3-4 यूनिट शेडयुक्त NADEP इकाई बनायी जाय। इसका निर्माण स्वच्छ भारत मिशन-ग्रामीण (SBM-G) निधि से किया जा सकता है।
5. WPU हेतु चिह्नित स्थल नीचा (Low land) होने पर उसकी भराई हेतु मनरेगा से ही किये जाने हेतु अतिरिक्त राशि का प्राक्कलन सम्मिलित किया जा सकता है।
6. WPU में एक यूनिट व्यक्तिगत शौचालय का निर्माण स्वच्छ भारत मिशन-ग्रामीण (अधिकतम व्यय 12000/- रुपये) से किया जा सकता है।
7. अपशिष्ट प्रसंस्करण इकाई के निर्माण में मनरेगा के अतिरिक्त पूर्ववत 15वीं वित्त आयोग एवं 6वें राज्य वित्त आयोग की निधि से भी व्यय किया जा सकता है।
8. सुलभ प्रसंग हेतु कुछ जिलों द्वारा अपशिष्ट प्रसंस्करण इकाई का तैयार मानक का प्राक्कलन पत्र के साथ संलग्न किया जा रहा है।

उपरोक्त के आलोक में अनुरोध है कि अपशिष्ट प्रसंस्करण इकाई के निर्माण में अधिकतम व्यय सीमा तथा वर्णित दिशा-निर्देशों का अनुपालन सुनिश्चित करने हेतु संबंधित को निदेशित करने का कृपा करेंगे।

अनुलग्नक : यथोक्त।

विश्वासभाजन

ह०/-

(राहुल कुमार)

ज्ञपांक: BR/PS/UBA/PSU/163/20/15)

दिनांक: 13.06.2022

- प्रतिलिपि : सभी जिला समन्वयक, जिला जल एवं स्वच्छता समिति, बिहार को सूचनार्थ एवं आवश्यक कार्यार्थ प्रेषित।
- प्रतिलिपि : सभी निदेशक-सह-सदस्य सचिव, DRDA एवं DPRO बिहार को सूचनार्थ एवं आवश्यक कार्यार्थ प्रेषित।
- प्रतिलिपि: सभी उपविकास आयुक्त-सह-उपाध्यक्ष, जिला जल एवं स्वच्छता समिति, बिहार को सूचनार्थ एवं आवश्यक कार्यार्थ हेतु प्रेषित।
- प्रतिलिपि आयुक्त मनरेगा, बिहार को सूचनार्थ प्रेषित।

  
(राहुल कुमार)

## Suggestive Design and Specifications of the Inventory for procurement at the panchayat level

### 1. Waste Processing Unit:

The Waste Processing Unit (WPU) will be constructed at the GP level for secondary segregation and storage of dry waste. It will also be used for composting the wet waste if collected by the waste collection system. The layout and design specification as well as cost estimation of the WPU can be as under:

Sr. no.	Particulars	Qty	Area	Rate (Rs.)	Amount (Rs.)
1	RCC Pile	6	10.8 Rmt.	4151.4	44835
2	RCC ground beam	1	12.82Cum.	4151.4	53207
3	Brickwork				
A	Brick wall 230 mm wide	1	22.01 Cum.	5037.2	110870
B	Brick wall 115 mm wide NADEP tank	11	3.79 Cum.	5037.2	19116
C	Brick wall 115 mm wide NADEP tank	6	2.30 Cum.	5037.2	11626
D	Brick wall 115 mm wide Storage unit	5	1.24 Cum.	5037.2	6256
E	Brick wall 115 mm wide Storage unit	3	0.74 Cum.	5037.2	3754
F	Brick wall 115 mm wide Hazardous waste	1	0.08 Cum.	5037.2	447
G	Brick wall 115 mm wide Hazardous waste	1	0.14 Cum.	5037.2	735
H	Brick wall 115 mm wide Office	1	0.49 Cum.	5037.2	2502
I	Brick wall 115 mm wide Office	1	0.44 Cum.	5037.2	2245
J	Brick wall 115 mm wide Toilet	1	0.16 Cum.	5037.2	834
K	Brick wall 115 mm wide for sorting area	3	0.46 Cum.	5037.2	2346
L	Brick wall 230 mm wide for gate pillar	2	0.16 Cum.	5037.2	834
4	Plaster work				
A	Brick wall 230 mm wide	2	44.02 Sqm.	178.5	7858
B	Brick wall 115 mm wide NADEP tank	22	7.59 Sqm.	178.5	1355
C	Brick wall 115 mm wide NADEP tank	12	4.61 Sqm.	178.5	824
D	Brick wall 115 mm wide Storage unit	10	2.48 Sqm.	178.5	443
E	Brick wall 115 mm wide Storage unit	6	1.49 Sqm.	178.5	266
F	Brick wall 115 mm wide Hazardous waste	2	0.17 Sqm.	178.5	32
G	Brick wall 115 mm wide Hazardous waste	2	0.29 Sqm.	178.5	52
H	Brick wall 115 mm wide Office	2	0.99 Sqm.	178.5	177
I	Brick wall 115 mm wide Office	2	0.89 Sqm.	178.5	159
J	Brick wall 115 mm wide Toilet	2	0.33 Sqm.	178.5	59
K	Brick wall 115 mm wide for sorting area	6	0.93 Sqm.	178.5	166
L	Brick wall 230 mm wide for gate pillar	4	0.16 Sqm.	178.5	30
5	Sorting area stone platform	1	3.6 Sqm.		324
6	RCC flooring IPS	1	13.18 Sqm.	4151.4	54736
7	G.I Wire mesh work-less main gate area	1	65.47 Sqm.	430	28154
8	Vertical I-Beam column (ISMB 200 x 100 x 15)	6	378 Kg	38.64	14606
A	Horizontal truss	8	845.42 Kg	38.64	32667
B	Purlin (ISMB 75 x 40 x 4)	12	1103.85 Kg	38.4	42388
9	Roofing cement sheet	1	37.89 No.	400	15160

(2)

10	Gate (Jall type)	1	10.8 Sqm.	430	4644
11	Toilet door	1	1.44 Sqm.	1100	1584
	<b>Total</b>				<b>4,65,292</b>
Total construction area of the shed - 131 Sqm. (10.7 x 12.25 - Length x Breadth)					
Open space availability for parking of e-rickshaw and pedal rickshaw - 30 Sq Meters					

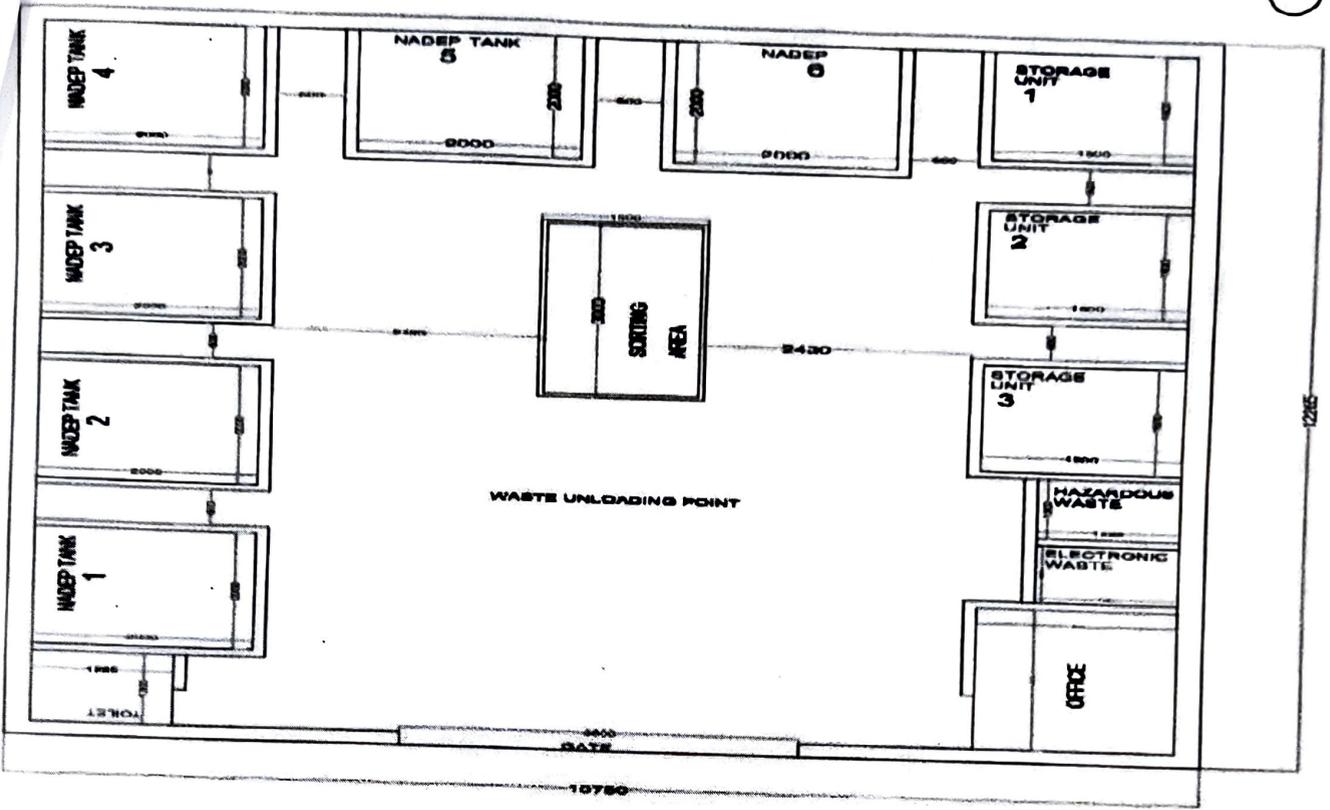
### Essential Provisions at the WPU:

A WPU established in a GP must include following facilities and provisions for smooth and safe functioning:

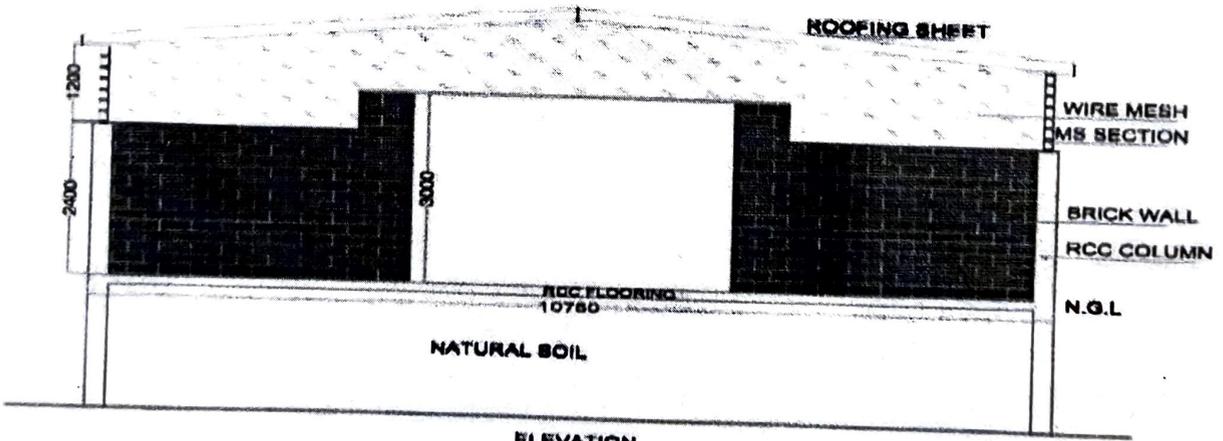
1. Electricity connection
2. Running water connection
3. Hand-washing station with soap and water connection
4. Functional Toilet facility with running water connection
5. Fire extinguisher
6. First Aid kit
7. Tool Kit
8. Personal Protective Equipments (Rubber Gloves, Mask, Cap, Apron, Boots etc.)
9. Personal Locker box for storing PPE and belonging of sanitation workers
10. Office area
11. Any other facility as per local requirement

### Indicative Lay-out and design of a Waste Processing Unit at the GP level:

①  
③



PLAN



ELEVATION

Prepared by Institute of Livelihood Research and Training (ILRT) with support of UNICEF Bihar.

अनुलग्नक (2) :- जिला द्वारा  
 तैयार किया गया WP  
 का प्रस्ताव  
 USBF - 264  
 Agency  
 23.5.2022

Polish  
SC-Group

23/5/22 (55)



## Detailed Estimate of WPU DWSC, DRDA Barhanga

Heading / Description : 1 - a/w								
1	64.2.2.1 - Earth work in excavation in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm in plan) including dressing of sides and ramming of bottoms, fill upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50m. All kinds of soil							
Sl No	Description	No	L	B	D	CF	Quantity	Remark
Earth work								
1	Earth work	1	10.000	10.000	0.600	1.0	60.0000	-
2	Earth work	4	10.000	0.250	0.500	1.0	5.0000	-
LIST								
Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)	
0115	Coolie	Day	0.8200	198.00	162.36	53.3000	10553.40	
0128	Mate	Day	0.0800	305.00	24.40	5.2000	1586.00	
Total Quantity							65.0000 cum	
Total Deducted Quantity							0.0000 cum	
Net Total Quantity							65.00 cum	
Say 65.0000 cum @ Rs 190.495 / cum							12382.18	
Unskilled wage	10553.40	Unskilled Person-days		53.3				
Heading / Description : 2 - b/s								
1	64.2.2.2 - Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete.							
Sl No	Description	No	L	B	D	CF	Quantity	Remark
local sand								
1	local sand	4	10.000	0.250	0.0782	1.0	0.7820	-
2	local sand	1	10.000	10.000	0.0782	1.0	7.8200	-
LIST								
Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)	
0101	Bhisti	Day	0.0350	312.00	10.92	0.2934	91.53	
0115	Coolie	Day	0.1070	198.00	21.19	0.8968	177.58	
0114	Bekiar	Day	0.0890	195.00	17.62	0.7460	147.71	
8501	Sand zone V (Jamuna)	cum	1.0000	141.85	141.85	8.3820	1188.99	
Total Quantity							8.3820 cum	
Total Deducted Quantity							0.0000 cum	
Net Total Quantity							8.38 cum	
Say 8.3820 cum @ Rs 195.41 / cum							1637.93	
Unskilled wage	325.29	Unskilled Person-days		1.843				
Heading / Description : 3 - b/s/s								

B

5.11.74 - Providing designation 100 B one brick flat soiling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/I, but excluding carriage cost of bricks & sand.

Sl No	Description	No	L	B	D	CF	Quantity	Remark
B/F/S								
1	B/F/S	4	10.000	0.250		1.0	40.0000	
2	B/F/S	1	10.000	10.000		1.0	100.0000	
LIST								
Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)	
2603	Common burnt clay F.P.S. (non modular) bricks class designation 5.00	1000 nos	32.2581	4.57	147.48	3548.3902	16223.24	
2602	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	1000 nos	32.2581	5.00	-181.32	-3548.3963	-17745.53	
0101	Bhisti	Day	0.1075	312.00	33.56	11.8278	3690.28	
0124	Mason (brick layer) 2nd class	Day	0.0538	345.00	18.55	5.9190	2040.28	
9999	Sundries	L.S	0.1813	2.00	0.32	17.7850	35.53	
6501	Sand zone V (Jamuna)	cum	0.0151	141.85	2.13	1.6556	234.85	
2602	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	1000 nos	32.2581	5.00	161.32	3548.3963	17745.53	
Total Quantity						110.0000 sqm		
Total Deducted Quantity						0.0000 sqm		
Net Total Quantity						110.00 sqm		
Say 110.0000 sqm @ Rs 204.059 / sqm						22446.49		

#### Heading / Description: A - pcc

1 54.4.1.3 - Providing and laying in position cement concrete of specified grade exduding the cost of centring and shuttering all work upto plinth level 1:2:4(1 Cement: 2 coarse sand:4 graded stone aggregate 20 mm nominal size)

Sl No	Description	No	L	B	D	CF	Quantity	Remark
PCC								
1	PCC	4	10.000	0.250	0.450	1.0	4.5000	
2	PCC	1	10.000	10.000	0.100	1.0	10.0000	

#### LIST

Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)	
9999	Sundries	L.S	14.3000	2.00	28.60	207.3500	414.70	
9999	Sundries	L.S	14.3000	2.00	28.60	207.3500	414.70	
0012	Vibrator (Needle type 40 mm)	Day	0.0700	370.00	25.90	1.0150	375.55	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with Hopper	Day	0.0700	800.00	56.00	1.0150	812.00	
0101	Bhisti	Day	0.7000	312.00	218.40	10.1500	3166.80	
0114	Beldar	Day	1.6300	198.00	322.74	23.6350	4679.73	
0155	Mason (average)	Day	0.1000	345.00	34.50	1.4500	500.25	
0367	Portland Cement	tonne	0.3200	4484.00	1434.88	4.8400	20805.76	
0982	Coarse sand (zone III)	cum	0.4450	175.80	78.23	6.4525	1134.35	

6

SS

DRAFT DATE : 28/08/2021 14:34:58

0297	Stone Aggregate(single size)- 10 mm nominal size	cum	0.2200	668.80	147.14	3.1900	2133.47
0295	Stone Aggregate(single size)-20 mm nominal size	cum	0.6700	604.91	405.29	9.7150	5976.70
Total Quantity						14.5000 cum	
Total Deducted Quantity						0.0000 cum	
Net Total Quantity						14.50 cum	
Say 14.5000 cum @ Rs 2835.882 / cum						41120.29	
Unskilled wage	4679.73	Unskilled Person-days			23.835		
<b>Heading / Description : 5 - B/W</b>							
1	54.6.1.14A - Brick work with bricks of class designation: 100A in foundations and plinth in : Cement mortar 1:8 (1 cement: 8 coarse sand)						
Sl No	Description	No	L	B	D	CF	Quantity
Brick work							
1	Brick work	4	10.000	0.225	1.000	1.0	9.0000
2	Brick work	1	3.050			1.0	3.0500
LIST							
Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)
0101	Bhist	Day	0.2000	312.00	62.40	2.4100	751.92
0115	Coolie	Day	1.3700	198.00	271.26	16.5085	3268.69
0124	Mason (brick layer) 2nd class	Day	0.3600	345.00	124.20	4.3380	1498.61
0123	Mason (brick layer) 1st class	Day	0.5600	388.00	216.48	4.3380	1683.14
9999	Sundries	L.S	2.7300	2.00	5.46	32.8950	65.79
9999	Sundries	L.S	3.3800	2.00	6.76	40.7300	81.46
9999	Sundries	L.S	6.7275	2.00	13.46	81.0650	162.13
0101	Bhist	Day	0.0175	312.00	5.46	0.2109	65.79
0114	Beldar	Day	0.1875	198.00	37.12	2.2594	447.36
0082	Coarse sand (zone III)	cum	0.2675	175.80	47.03	3.2234	566.68
0367	Portland Cement	tonne	0.0625	4484.00	280.25	0.7531	3377.01
2602	Common burnt clay F.P.S. (non modular) brick class designation 7.5	1000 nos	494.0900	5.00	2470.49	6952.6995	29769.45
Total Quantity						12.0500 cum	
Total Deducted Quantity						0.0000 cum	
Net Total Quantity						12.05 cum	
Say 12.0600 cum @ Rs 3532.842 / cum						42579.75	
Unskilled wage	3716.04	Unskilled Person-days			18.768		
<b>Heading / Description : 6 - SS</b>							
1	54.6.3A - Extra for Brick work in superstructure above plinth level upto floor V cum						
Sl No	Description	No	L	B	D	CF	Quantity
Extra for Brick(S/S)							
1	Extra for Brick(S/S)	1	12.050			1.0	12.0500
LIST							
Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)
0115	Coolie	Day	1.1300	198.00	223.74	13.6165	2696.07

0000	Sundries	L.S	22.3600	2.00	44.72	269.4400	538.88
0115	Coolie	Day	0.4300	198.00	85.14	5.1815	1025.94
0124	Mason (brick layer) 2nd class	Day	0.1100	345.00	37.95	1.3266	467.30
0123	Mason (brick layer) 1st class	Day	0.1100	388.00	42.68	1.3256	514.29
Total Quantity						12.0500 cum	
Total Deducted Quantity						0.0000 cum	
Net Total Quantity						12.05 cum	
Say 12.0500 cum @ Rs 442.9157 cum						5337.13	

Unskilled wage	3722.00	Unskilled Person-days	15.795
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#### Heading / Description : 7 - C/P

1	54.13.17.2 - 12 mm cement plaster 1:4 (1 cement, 4 coarse sand) finished with a floating coat of neat cement						
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Sl No	Description	No	L	B	D	CF	Quantity	Remark
cement plaster								
1	cement plaster	2	44.000			1.0	88.0000	

#### LIST

Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)
9999	Sundries	E.S	2.8491	2.00	5.30	233.1100	466.22
0115	Coolie	Day	0.1020	198.00	20.20	8.9760	1777.25
0155	Mason (average)	Day	0.0940	345.00	32.43	8.2720	2853.84
0101	Bhisti	Day	0.0930	312.00	29.02	8.1846	2553.58
0114	Beldar	Day	0.0108	198.00	2.14	0.8502	186.14
0982	Coarse sand (zone III)	cum	0.0154	175.80	2.71	1.3560	239.39
0367	Portland Cement	tonne	0.0055	4484.00	24.54	0.4815	2159.17
Total Quantity						88.0000 sqm	
Total Deducted Quantity						0.0000 sqm	
Net Total Quantity						88.00 sqm	
Say 88.0000 sqm @ Rs 118.653 / sqm						10441.46	

Unskilled wage	1965.39	Unskilled Person-days	9.826
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#### Heading / Description : 8 - GI PIPE

1	54.1.9 - GI pipes 40 mm dia						
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Sl No	Description	No	L	B	D	CF	Quantity	Remark
GI pipes 40 mm dia								
1	GI pipes 40 mm dia	35	11.500			1.0	402.5000	

#### LIST

Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)
1549	G.I. pipes 40 mm dia	metre	1.0000	250.00	250.00	402.5000	100625.00
Total Quantity						402.5000 metre	
Total Deducted Quantity						0.0000 metre	
Net Total Quantity						402.50 metre	
Say 402.5000 metre @ Rs 250.0 / metre						100625.00	

#### Heading / Description : 9 - GS RUPS SHEET



6/9/2021

DRAFT DATE: 29/05/2021 14:34:58

1. 54.12.1.5 - Providing corrugated G.S. sheet roofing fixed with G.I. or hooks, bolts and nuts 8 mm diameter with bitumen and G. I. limpet washers or with G.I. limpet washers filled with white lead and including a coat of approved steel primer and two coats of approved paint on over lapping of sheets complete (upto a pitch of 60°) excluding the cost of purlins, rafters and trusses, 0.63 mm thick with zinc coating not less than 275 gm/m<sup>2</sup>

Sl No	Description	No	L	B	D	CF	Quantity	Remark
<b>G I ROOF SHEET</b>								
1	G I ROOF SHEET	1	12.400	12.400		1.0	153.7800	

**LIST**

Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)
9999	Sundries	L.S	0.2064	2.00	0.41	31.7500	63.50
9999	Sundries	L.S	0.1733	2.00	0.35	26.6750	53.35
0115	Coolie	Day	0.0137	198.00	2.71	2.1084	417.48
0131	Painter	Day	0.0137	367.00	5.03	2.1082	773.72
9999	Sundries	L.S	0.0141	2.00	0.03	2.1550	4.31
0845	Roofing paint for iron sheets in red colour	litre	0.0203	120.00	2.44	3.1252	375.02
9999	Sundries	L.S	0.2741	2.00	0.55	42.1300	84.26
0115	Coolie	Day	0.0061	198.00	1.21	0.9420	186.51
0131	Painter	Day	0.0061	367.00	2.25	0.9418	345.65
9999	Sundries	L.S	0.2741	2.00	0.55	42.1300	84.26
0115	Coolie	Day	0.0061	198.00	1.21	0.9420	186.51
0131	Painter	Day	0.0061	367.00	2.25	0.9418	345.65
9999	Sundries	L.S	0.0028	2.00	0.01	0.4600	0.92
4202	Red oxide Zinc chromate primer	litre	0.0137	110.00	1.51	2.1079	231.87
0114	Belder	Day	0.0840	198.00	16.63	12.9166	2557.49
0112	Carpenter 2nd class	Day	0.0840	345.00	28.98	12.9163	4456.12
0130	Mistry	Day	0.0070	287.00	2.02	1.0833	310.90
9999	Sundries	L.S	0.2917	2.00	0.58	44.8200	89.64
9999	Sundries	L.S	0.1458	2.00	0.29	22.4500	44.90
1208	Bitumen washer	100 nos	9.1807	0.30	2.75	1411.5333	423.46
1207	G.I Limpet washer	100 nos	9.1807	0.21	1.93	1411.8667	295.46
1023	Galvanised steel J or L hooks 8 mm dia	10 nos	4.3898	12.00	52.68	674.9808	8099.77
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mm long round head with slots	10 nos	4.7909	3.80	18.20	736.6316	2799.20
3050	Galvanised steel corrugated sheets	quintal	0.0835	4949.15	413.33	12.8413	83653.31
Total Quantity						153.7800 sqm	
Total Deducted Quantity						0.0000 sqm	
Net Total Quantity						153.78 sqm	
Say 153.7800 sqm @ Rs 569.065 / sqm						87499.43	
Unskilled wage	3347.82	Unskilled Person-days		18.908			

Heading / Description : 10 - GRILLS

SI No	Description	No	L	B	D	CF	Quantity	Remarks
1	54.9.48.1 - complete Providing and fixing M.S grills of required pattern in frames of Window etc, with M.S flats, square or round bars etc. Including priming coat with approved. Fixed to steel windows by welding							
GIRLS								
1	GIRLS	5	42.37			1.0	127.1100	
LIST								
Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)	
0114	Welder	Day	0.0593	198	11.75	7.5419	1493.23	
0102	Balcksmi 1st class	Day	0.0464	388.00	18.00	5.8962	2287.73	
0115	Coolie	Day	0.0014	198.00	0.28	0.1718	35.21	
0131	Painter	Day	0.0014	367.00	0.51	0.1777	65.21	
4202	Rad oxide Zinc chromate primer	litre	0.0031	110.00	0.35	0.3998	43.98	
9999	Sundries	L.S	2.0078	2.0	4.22	331.505	663.01	
2205	Steel	tonnes	0.0012	0.00	0.00	0.1371	0.00	
1008	Plats up to 10 mm in thickness	quintal	0.0022	4500.00	9.71	0.2742	123.11	
1004	Average rate of mild steel round bars for reinforcement	quintal	0.0089	3950.00	35.15	1.1312	4468.42	
Total Quantity							127.1100 kg	
Total Deducted Quantity							0.0000 kg	
Net Total Quantity							127.11 kg	
Say 127.1100 kg @ Rs. 82.578/kg							10486.62	
Unskilled wage	1528.37	Unskilled person -days	7.719					
11	Lump sum Type : Material	Conveyance					88002	
12	Lump sum Type : Material	GST					50431	
13	Lump sum Type : Material	Display Board					4500	
14	Lump sum Type : Material	Miscellaneous/Contingencies charge					20000	
Total Rs.							497490.27	
Rounded Total Rs.							497490.00	
(Rupees four lakh sixty seven thousand four hundred and ninety only)								
Unskilled Manpower wages							29836.04	
Materials (Includes extra charge)							274682.62	
Carriage							0.00	
Skilled							6326.28	
Semi skilled							23710.35	
Lumpsum Admin							0.00	
Lumpsum Material							1.52938.00	
No. of person days							150.70	

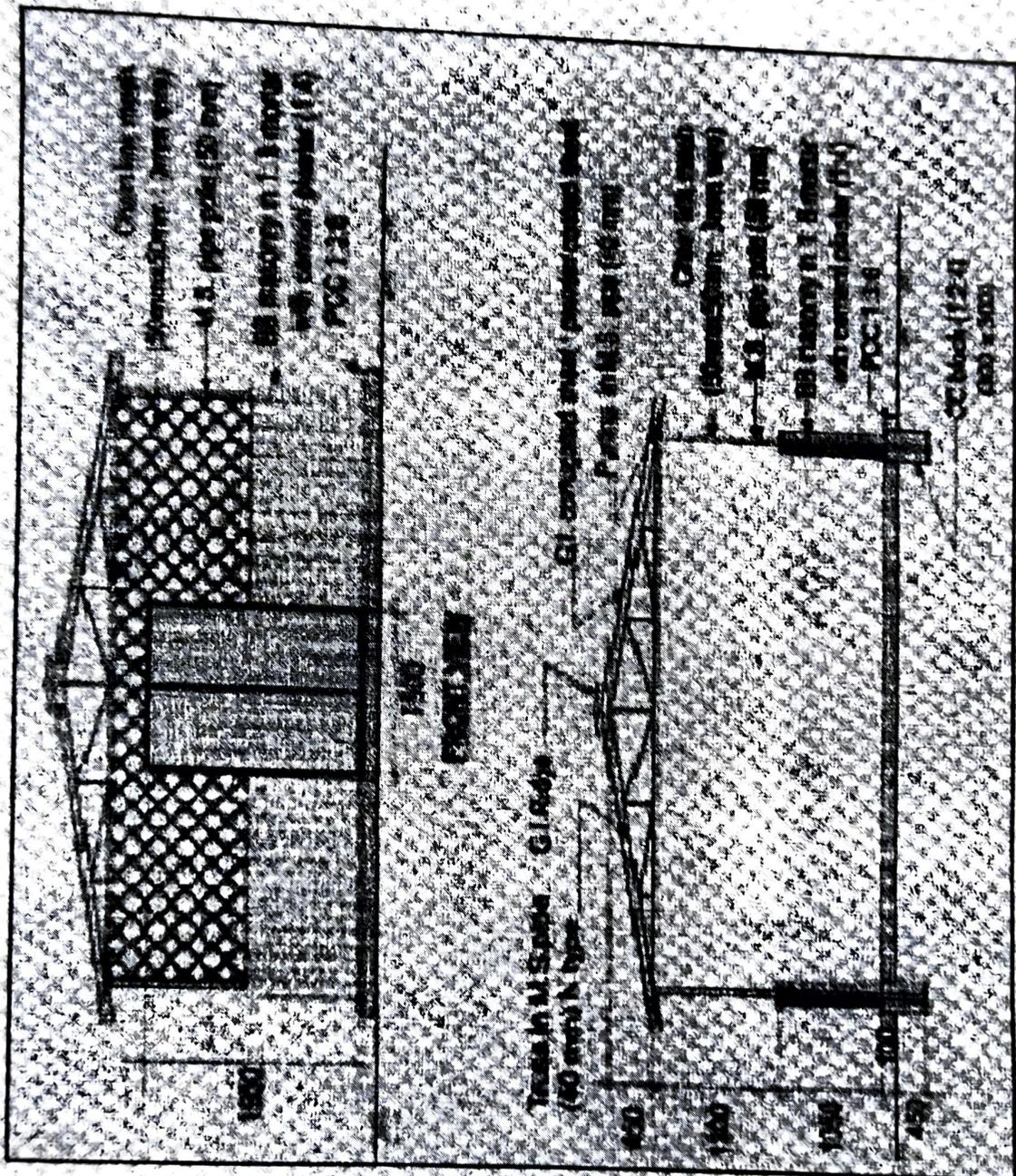
*Amrhan*  
25/01/2022  
A.E. Manrega  
Darbhanga

*Man*  
25/01/22  
Executive Engineer  
Manrega Darbhanga

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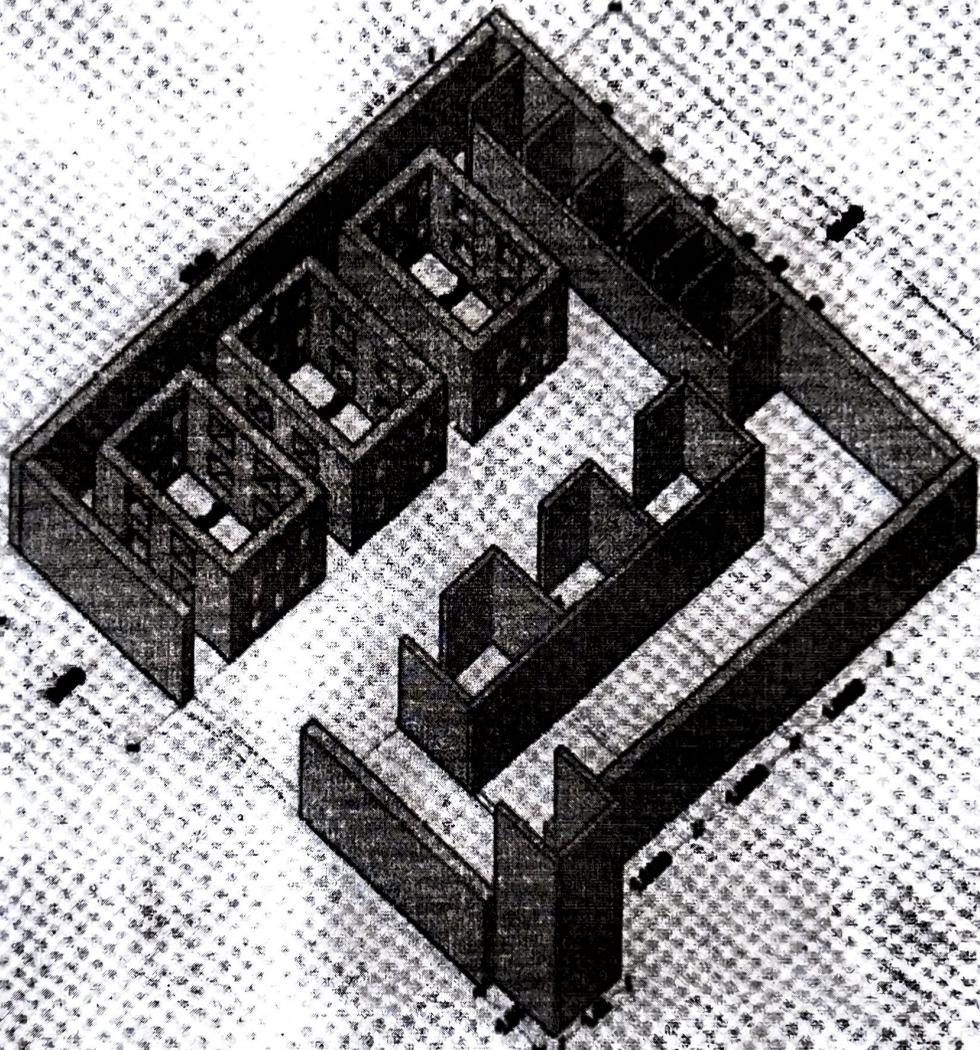
49

### Material Recovery Facility design and costing



48

11



SOR Period : 31/05/2021 - 02/08/2021  
Created By: SRI NANDKISHOR YADAV

## Detailed Estimate

098907005/RS/2021/0044 : W.P.U. KENDRA KA NIPMAN KARAT

BLOCK : JAMUL GRAMA PANCHAYAT : ARBAH

## Heading / Description : 1 - e/w

1 54.2.8.1 – Earth work in excavation in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50m. All Kinds of soil

Sl No	Description	No	L	B	D	CF	Quantity	Remark
Earth work								
1	Earth work	1	10.000	10.000	0.600	1.0	60.0000	-
2	Earth work	4	10.000	0.250	0.500	1.0	5.0000	-

## LIST

Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)
0115	Coolie	Day	0.8200	198.00	162.36	53.3000	10553.40
0128	Mate	Day	0.0800	305.00	24.40	5.2000	1586.00
Total Quantity						65.0000 cum	
Total Deducted Quantity						0.0000 cum	
Net Total Quantity						65.00 cum	
Say 65.0000 cum @ Rs 190.495 / cum						12382.18	

Unskilled wage 10553.40 Unskilled Person-days 53.3

## Heading / Description : 2 - l/s

1 54.2.28 – Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete.

Sl No	Description	No	L	B	D	CF	Quantity	Remark
local sand								
1	local sand	4	10.000	0.250	0.0762	1.0	0.7620	-
2	local sand	1	10.000	10.000	0.0762	1.0	7.6200	-

## LIST

Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)
0101	Bhisti	Day	0.0350	312.00	10.92	0.2934	91.53
0115	Coolie	Day	0.1070	198.00	21.19	0.8969	177.58
0114	Beldar	Day	0.0890	198.00	17.62	0.7460	147.71
6501	Sand zone V (Jamuna)	cum	1.0000	141.85	141.85	8.3820	1188.99
Total Quantity						8.3820 cum	
Total Deducted Quantity						0.0000 cum	
Net Total Quantity						8.38 cum	
Say 8.3820 cum @ Rs 195.41 / cum						1637.93	

Unskilled wage 325.29 Unskilled Person-days 1.643

## Heading / Description : 3 - b/f/s

12

39

6/9/2021

DRAFT\_DATE : 29/05/2021 14:34:58

1 54.11.74 -- Providing designation 100 B one brick flat soling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/I, but excluding carriage cost of bricks & sand.

Sl No	Description	No	L	B	D	CF	Quantity	Remark
B/F/S								
1	B/F/S	4	10.000	0.250		1.0	10.0000	-
2	B/F/S	1	10.000	10.000		1.0	100.0000	-

## LIST

Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)
2603	Common burnt clay F.P.S. (non modular) bricks class designation 5.00	1000 nos	32.2581	4.57	147.48	3548.3902	16223.24
2602	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	1000 nos	-32.2581	5.00	-161.32	-3548.3963	-17745.53
0101	Bhisti	Day	0.1075	312.00	33.55	11.8278	3690.28
0124	Mason (brick layer )2nd class	Day	0.0538	345.00	18.55	5.9139	2040.28
9999	Sundries	L.S	0.1813	2.00	0.32	17.7650	35.53
6501	Sand zone V (Jamuna)	cum	0.0151	141.85	2.13	1.6556	234.85
2602	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	1000 nos	32.2581	5.00	161.32	3548.3963	17745.53

Total Quantity

110.0000 sqm

Total Deducted Quantity

0.0000 sqm

Net Total Quantity

110.00 sqm

Say 110.0000 sqm @ Rs 204.059 / sqm

22446.49

## Heading / Description : 4 - pcc

1 54.4.1.3 -- Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering-all work upto plinth level.1:2:4(1 Cement: 2 coarse sand:4 graded stone aggregate 20 mm nominal size)

Sl No	Description	No	L	B	D	CF	Quantity	Remark
PCC								
1	PCC	4	10.000	0.250	0.450	1.0	4.5000	-
2	PCC	1	10.000	10.000	0.100	1.0	10.0000	-

## LIST

Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)
9999	Sundries	L.S	14.3000	2.00	28.60	207.3500	414.70
9999	Sundries	L.S	14.3000	2.00	28.60	207.3500	414.70
0012	Vibrator (Needle type 40 mm)	Day	0.0700	370.00	25.90	1.0150	375.55
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with Hopper	Day	0.0700	800.00	56.00	1.0150	812.00
0101	Bhisti	Day	0.7000	312.00	218.40	10.1500	3186.80
0114	Beldar	Day	1.6300	198.00	322.74	23.6350	4679.73
0155	Mason (average)	Day	0.1000	345.00	34.50	1.4500	500.25
0367	Portland Cement	tonne	0.3200	4484.00	1434.88	4.6400	20805.76
0982	Coarse sand (zone III)	cum	0.4450	175.80	78.23	6.4525	1134.35

2/9

6/9/2021

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0297	Stone Aggregate(single size): 10 mm nominal size	cum	0.2200	668.80	147.14	3.1900	2133.47
0295	Stone Aggregate(single size): 20 mm nominal size	cum	0.6700	604.91	405.29	9.7150	5876.70
						Total Quantity	14.5000 cum
						Total Deducted Quantity	0.0000 cum
						Net Total Quantity	14.50 cum
						Say 14.5000 cum @ Rs 2835.882 / cum	41120.29
Unskilled wage	4679.73	Unskilled Person-days			23.635		

**Heading / Description : 5 - B/W**

1 54.6.1.14A - Brick work with bricks of class designation 100A in foundations and plinth in : Cement mortar 1:6 (1 cement: 6 coarse sand )

SI No	Description	No	L	B	D	CF	Quantity	Remark
Brick work								
1	Brick work	4	10.000	0.225	1.000	1.0	9.0000	-
2	Brick work	1	3.050			1.0	3.0500	-

**LIST**

Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)
0101	Bhisti	Day	0.2000	312.00	62.40	2.4100	751.92
0115	Coolie	Day	1.3700	198.00	271.26	16.5085	3268.68
0124	Mason (brick layer )2nd class	Day	0.3600	345.00	124.20	4.3380	1496.61
0123	Mason (brick layer )1st class	Day	0.3600	388.00	139.68	4.3380	1683.14
9999	Sundries	L.S	2.7300	2.00	5.46	32.8950	65.79
9999	Sundries	L.S	3.3800	2.00	6.76	40.7300	81.46
9999	Sundries	L.S	6.7275	2.00	13.46	81.0650	162.13
0101	Bhisti	Day	0.0175	312.00	5.46	0.2109	65.79
0114	Beldar	Day	0.1875	198.00	37.12	2.2594	447.36
0982	Coarse sand (zone III)	cum	0.2675	175.80	47.03	3.2234	566.68
0367	Portland Cement	tonne	0.0625	4484.00	280.25	0.7531	3377.01
2602	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	1000 nos	494.0000	5.00	2470.49	5952.6995	29769.45

						Total Quantity	12.0500 cum
						Total Deducted Quantity	0.0000 cum
						Net Total Quantity	12.05 cum
						Say 12.0500 cum @ Rs 3532.842 / cum	42570.75
Unskilled wage	3716.04	Unskilled Person-days			18.768		

**Heading / Description : 6 - SS**

1 54.6.3A - Extra for Brick work in superstructure above plinth level upto floor V cum

SI No	Description	No	L	B	D	CF	Quantity	Remark
Extra for Brick(S/S)								
1	Extra for Brick(S/S)	1	12.050			1.0	12.0500	-

**LIST**

Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)
0115	Coolie	Day	1.1300	198.00	223.74	13.6165	2696.07

3/5

X5

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9999	Sundries	L.S	22.3600	2.00	44.72	269.4400	538.88
0115	Coolie	Day	0.4300	198.00	85.14	5.1815	1025.94
0124	Mason (brick layer) 2nd class	Day	0.1100	345.00	37.95	1.3255	457.30
0123	Mason (brick layer) 1st class	Day	0.1100	388.00	42.68	1.3255	514.29
Total Quantity							12.0500 cum
Total Deducted Quantity							0.0000 cum
Net Total Quantity							12.05 cum
Say 12.0500 cum @ Rs 442.915 / cum							5337.13
Unskilled wage	3722.00	Unskilled Person-days		18.798			

## Heading / Description : 7 - C/P

1 54.13.17.2 - 12 mm cement plaster 1:4 (1 cement : 4 coarse sand) finished with a floating coat of near cement

SI No	Description	No	L	B	D	CF	Quantity	Remark
cement plaster								
1	cement plaster	2	44.000			1.0	88.0000	-

## LIST

Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)
9999	Sundries	L.S	2.6491	2.00	5.30	233.1100	466.22
0115	Coolie	Day	0.1020	198.00	20.20	8.9760	1777.25
0155	Mason (average)	Day	0.0940	345.00	32.43	8.2720	2853.84
0101	Bhisti	Day	0.0930	312.00	29.02	8.1846	2553.58
0114	Beldar	Day	0.0108	198.00	2.14	0.9502	188.14
0114	Beldar	cum	0.0154	175.80	2.71	1.3560	238.39
0982	Coarse sand (zone III)	cum	0.0154	175.80	2.71	1.3560	238.39
0367	Portland Cement	tonne	0.0055	4484.00	24.54	0.4815	2159.17
Total Quantity							88.0000 sqm
Total Deducted Quantity							0.0000 sqm
Net Total Quantity							88.00 sqm
Say 88.0000 sqm @ Rs 118.653 / sqm							10441.46

Unskilled wage 1965.39 Unskilled Person-days 9.926

## Heading / Description : 8 - GI PIPE

1 54.1.9 - GI pipes 40 mm dia

SI No	Description	No	L	B	D	CF	Quantity	Remark
GI pipes 40 mm dia								
1	GI pipes 40 mm dia	35	11.500			1.0	402.5000	-

## LIST

Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)
1549	G.I. pipes 40 mm dia	metre	1.0000	250.00	250.00	402.5000	100625.00
Total Quantity							402.5000 metre
Total Deducted Quantity							0.0000 metre
Net Total Quantity							402.50 metre
Say 402.5000 metre @ Rs 250.0 / metre							100625.00

## Heading / Description : 9 - GS RUPS SHEET

4/6

1 54.12.1.5 – Providing corrugated G.S. sheet roofing fixed with G.I.J. or hooks, bolts and nuts 8 mm diameter with bitumen and G. I. limpet washers or with G.I. limpet washers filled with white lead and including a coat of approved steel primer and two coats of approved paint on over lapping of sheets complete (upto a pitch of 60°) excluding the cost of purlins, rafters and trusses.0.63 mm thick with zinc coating not less than 275 gm/m<sup>2</sup>

SI No	Description	No	L	B	D	CF	Quantity	Remark
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## G I ROOF SHEET

1	G I ROOF SHEET	1	12.400	12.400		1.0	153.7600	-
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## LIST

Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)
9999	Sundries	L.S	0.2064	2.00	0.41	31.7500	63.50
9999	Sundries	L.S	0.1733	2.00	0.35	26.6750	53.35
0115	Coolie	Day	0.0137	198.00	2.71	2.1084	417.46
0131	Painter	Day	0.0137	367.00	5.03	2.1082	773.72
9999	Sundries	L.S	0.0141	2.00	0.03	2.1550	4.31
0845	Roofing paint for iron sheets in red colour	Litre	0.0203	120.00	2.44	3.1252	375.02
9999	Sundries	L.S	0.2741	2.00	0.55	42.1300	84.26
0115	Coolie	Day	0.0061	198.00	1.21	0.9420	186.51
0131	Painter	Day	0.0061	367.00	2.25	0.9418	345.65
9999	Sundries	L.S	0.2741	2.00	0.55	42.1300	84.26
0115	Coolie	Day	0.0061	198.00	1.21	0.9420	186.51
0131	Painter	Day	0.0061	367.00	2.25	0.9418	345.65
9999	Sundries	L.S	0.0028	2.00	0.01	0.4600	0.92
4202	Red oxide Zinc chromate primer	Litre	0.0137	110.00	1.51	2.1079	231.87
0114	Beldar	Day	0.0840	198.00	16.63	12.9166	2557.49
0112	Carpenter 2nd class	Day	0.0840	345.00	28.98	12.9163	4456.12
0130	Mistry	Day	0.0070	287.00	2.02	1.0833	310.90
9999	Sundries	L.S	0.2917	2.00	0.58	44.8200	89.64
9999	Sundries	L.S	0.1458	2.00	0.29	22.4500	44.90
1208	Bitumen washer	100 nos	9.1807	0.30	2.75	1411.5333	423.46
1207	G.I Limpet washer	100 nos	9.1807	0.21	1.93	1411.6667	296.45
1023	Galvanised steel J or L hooks 8 mm dia	10 nos	4.3898	12.00	52.68	674.9808	8099.77
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mm long round head with slots	10 nos	4.7909	3.80	18.20	736.6316	2799.20
3050	Galvanised steel corrugated sheets	quintal	0.0835	4949.15	413.33	12.8413	63553.31

Total Quantity

153.7600 sqm

Total Deducted Quantity

0.0000 sqm

Net Total Quantity

153.76 sqm

Say 153.7600 sqm @ Rs 569.065 / sqm

87499.43

Unskilled wage	3347.82	Unskilled Person-days	16.908
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Heading / Description : 10 - GRILLS

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54.9.48.1 - complete. Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding

135

SI No	Description	No	L	B	D	CF	Quantity	Remark
1	GRILLS	3	42.370			1.0	127.1100	

Code	Description	Unit	LIST			Total Quantity	Total Amount(Rs)
			Quantity	Rate(Rs)	Amount(Rs)		
0114	Beldar	Day	0.0593	198.00	11.75	7.5419	1493.29
0102	Blacksmith 1st class	Day	0.0464	388.00	18.00	5.8962	2287.73
0115	Coolie	Day	0.0014	198.00	0.28	0.1778	35.21
0131	Painter	Day	0.0014	367.00	0.51	0.1777	65.21
4202	Red oxide Zinc chromate primer	Litre	0.0031	110.00	0.35	0.3998	43.98
9999	Sundries	L.S	2.6078	2.00	5.22	331.5050	663.01
2205	Steel	tonne	0.0011	0.00	0.00	0.1371	0.00
1008	Flats up to 10 mm in thickness	quintal	0.0022	4500.00	9.71	0.2742	1234.11
1004	Average rate of mild steel round bars for reinforcements	quintal	0.0089	3950.00	35.15	1.1312	4468.42

Total Quantity 127.1100 kg  
 Total Deducted Quantity 0.0000 kg  
 Net Total Quantity 127.11 kg  
 Say 127.1100 kg @ Rs 82.579 / kg

Unskilled wage	1528.37	Unskilled Person-days	7.719	63002.00
11	Lump sum Type : Material	Conveyance		50431.00
12	Lump sum Type : Material	GST		4500.00
13	Lump sum Type : Material	Display Board		45000.00
14	Lump sum Type : Material	Miscellaneous /Contingencies charges		
				Total Rs : 497490.27
				Rounded Total Rs : 4,97,490.00

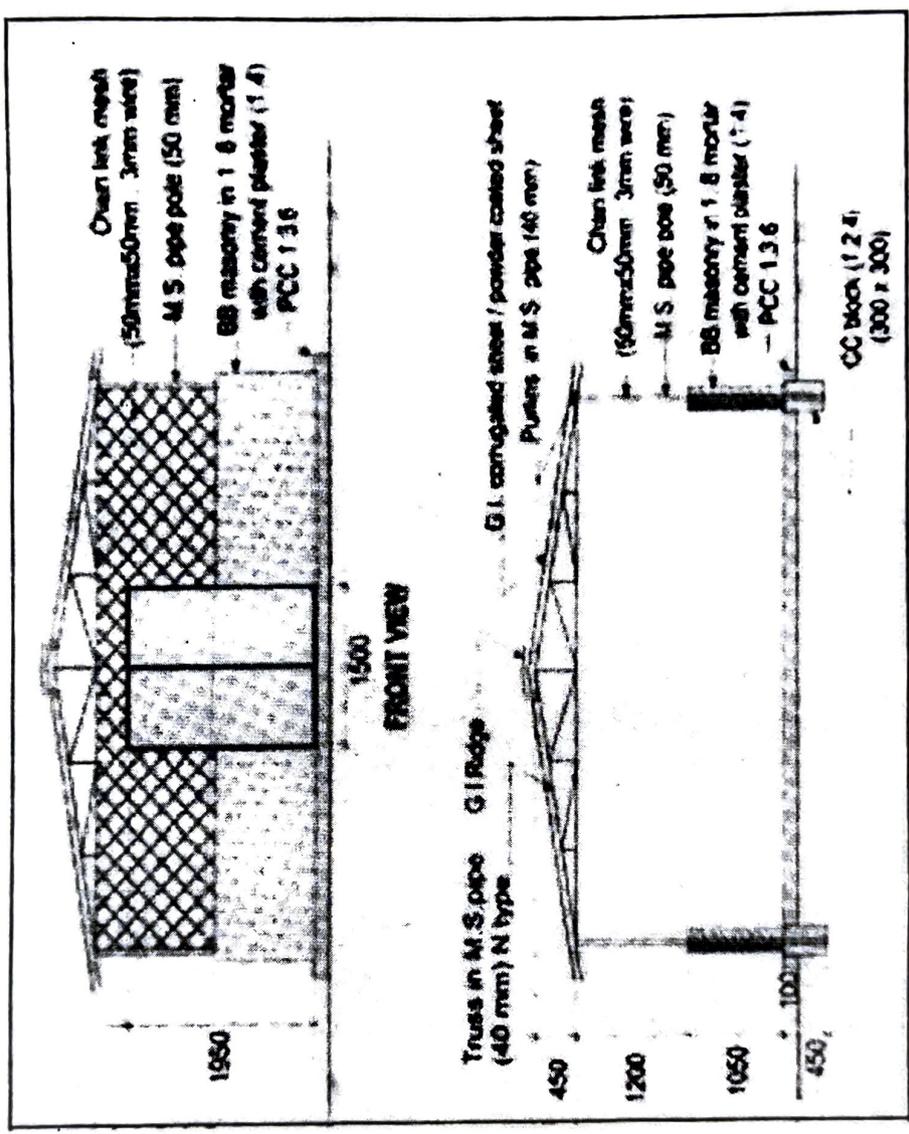
( Rupees Four Lakh Ninety Seven Thousand Four Hundred and Ninety Only)

Unskilled Manpower wages	29838.04
Materials (Includes Extra Charges)	274682.62
Carriage	0.00
Skilled	6326.28
SemiSkilled	23710.35
Lumpsum Admin	0.00
Lumpsum Material	162933.00
No of Person days	150.70

Material Recovery Facility design and costing

X8

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SOR Period : 11/11/2021 - 13/11/2021

Created By: Aman Kumar

**Detailed Estimate**

0506007020/WC/20523314 : ग्राम पंचायत कार्यालय में शौचालय के खंड में पुराना जर्नी के खंड तक मरम्मत उद्योगी कार्य

**BLOCK : RATNI FARIDPUR, GRAMA PANCHAYAT : MURHARA****Heading / Description : 1 - WASTE PROCESSING UNIT**

54.20.3A.1 Boring, providing and installing cast in situ single under reamed piles of specified diameter and length below pile cap in M 25 cement concrete, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with bentonite solution and the length of the pile to be embedded in pile cap etc. all complete. (Length of pile for payment shall be measured upto to the bottom of pile cap) - Making 25 cm (10) dia bore up to 4 mtr depth below ground with hand auger of approved quality in ordinary soil (vide classification of soil item A) true to plumb and without eccentricity in any stage of operation and disposal of the excavated earth up to 50 mtr, Lead in eluding all lifts, all complete as per approved design and direction of E/I Details of cost for 4 piles of 4 m = 16 mtrs depth)

Sl No	Description	No	L	B	D	CF	Quantity	Remark
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**PILING**

1	PLING	12	1.524			1.0	18.2880	-
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**LIST**

Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)
9999	Sundries	L.S	3.2500	2.00	6.50	59.4350	118.87
0114	Beldar	Day	0.0625	210.00	13.12	1.1430	240.03
0101	Bhisti	Day	0.2500	312.00	78.00	4.5720	1426.46
0159	Skilled torch operator for laying tack	Day	0.0625	364.00	22.75	1.1430	416.05

Total Quantity 18.2880 metre

Total Deducted Quantity 0.0000 metre

Net Total Quantity 18.29 metre

Say 18.2880 metre @ Rs 121.579 / metre 2223.44

Unskilled wage	240.03	Unskilled Person-days	1.143
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**Heading / Description : 2 - L/S/F**

54.2.28 - Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete.

Sl No	Description	No	L	B	D	CF	Quantity	Remark
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1	IN GRADE BEAM	2	(10.5*10)	0.250	0.076	1.0	0.7790	-
2	IN TOILET BM	1	3.850	0.250	0.076	1.0	0.0730	-
3	IN PLINTH	1	9.500	9.500	0.228	1.0	20.5770	-
4	IN TOILET	1	1.200	1.200	0.228	1.0	0.3280	-

**LIST**

Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)
0101	Bhisti	Day	0.0350	312.00	10.92	0.7615	237.59
0115	Coolie	Day	0.1070	210.00	22.47	2.3280	488.88
0114	Beldar	Day	0.0890	210.00	18.69	1.9364	406.64
6501	Sand zone V (Jamuna)	cum	1.0000	141.85	141.85	21.7570	3086.23

Total Quantity 21.7570 cum

Total Deducted Quantity 0.0000 cum

Net Total Quantity 21.76 cum

Say 21.7570 cum @ Rs 197.809 / cum 4303.73

Unskilled wage	895.52	Unskilled Person-days	4.264
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**Heading / Description : 3 - BPS**

54.11.72 - Providing designation 100 A one brick flat soiling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/I

Sl No	Description	No	L	B	D	CF	Quantity	Remark
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1	IN GRADE BEAM	2	(10.5*10)	0.250		1.0	10.2500	-
2	IN TOILET GB	1	3.850	0.250		1.0	0.9630	-
3	IN PLINTH	1	10.000	10.000		1.0	100.0000	-
4	IN TOILET	1	1.200	1.200		1.0	1.4400	-

**LIST**

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Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)	
0101	Bhisti	Day	0.1075	312.00	33.55	12.1131	3779.28	
0124	Mason (brick layer) 2nd class	Day	0.0538	345.00	18.55	6.0565	2089.49	
9999	Sundries	L.S	0.1613	2.00	0.32	18.1950	36.39	
6501	Sand zone V (Jamuna)	cum	0.0151	141.85	2.13	1.6955	240.51	
2602	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	1000 nos	32.2581	5.00	161.32	3633.9772	18173.52	
						Total Quantity	112.6530 sqm	
						Total Deducted Quantity	0.0000 sqm	
						Net Total Quantity	112.65 sqm	
						Say 112.6530 sqm @ Rs 218.036 / sqm	24562.41	
<b>Heading / Description : 4 - PCC</b>								
1	54.5.1.2 - Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centring, shuttering, finishing and reinforcement-All work upto plinth level: 1:1.5:3 (1 cement: 1.5 coarse sand: 3 graded stone aggregate 20 mm nominal size)							
Sl No	Description	No	L	B	D	CF	Quantity	Remark
RCC								
1	IN PILE	12	0.785	25*25	1.524	1.0	0.8970	-
2	IN GRADE BEAM	2	(10.5*10)	0.250	0.200	1.0	2.0500	-
3	GRADE BEAM FOR TOILET	1	3.850	0.250	0.200	1.0	0.1930	-
LIST								
Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)	
9999	Sundries	L.S	14.3000	2.00	28.60	44.9000	89.80	
0012	Vibrator (Needle type 40 mm)	Day	0.0700	370.00	25.90	0.2198	81.33	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with Hopper	Day	0.0700	800.00	56.00	0.2198	175.84	
0101	Bhisti	Day	0.9000	312.00	280.80	2.8260	881.71	
0114	Beldar	Day	2.0000	210.00	420.00	6.2800	1318.80	
0155	Mason (average)	Day	0.1700	345.00	58.65	0.5338	194.16	
0367	Portland Cement	tonne	0.4000	4484.00	1793.60	1.2560	5631.90	
0982	Coarse sand (zone III)	cum	0.4250	175.80	74.72	1.3345	234.61	
0297	Stone Aggregate (single size): 10 mm nominal size	cum	0.2800	668.80	187.26	0.8792	588.01	
0295	Stone Aggregate (single size): 20 mm nominal size	cum	0.5700	604.91	344.80	1.7898	1082.67	
						Total Quantity	3.1400 cum	
						Total Deducted Quantity	0.0000 cum	
						Net Total Quantity	3.14 cum	
						Say 3.1400 cum @ Rs 3335.734 / cum	10474.20	
Unskilled wage	1918.80				Unskilled Person-days	6.28		
<b>Heading / Description : 5 - CENTRING AND SHUTTERING</b>								
1	54.5.9.1 - Centring and shuttering including strutting, propping etc. and removal of form for Foundations, footings, bases of columns etc. for mass concrete.							
Sl No	Description	No	L	B	D	CF	Quantity	Remark
CENTRING AND SHUTTERING								
1	IN GRADE BEAM	4	(10.5*10)		0.200	1.0	16.4000	-
2	GRADE BEAM FOR TOILET	2	3.850		0.200	1.0	1.5400	-
LIST								
Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)	
9999	Sundries	L.S	2.4074	2.00	4.82	43.1900	86.38	
9999	Sundries	L.S	4.8148	2.00	9.63	86.3800	172.76	
9999	Sundries	L.S	0.1369	210.00	29.17	2.4917	523.20	
0114	Beldar	Day	0.0694	395.00	27.43	1.2458	492.11	
0116	Fitter (grade 1)	L.S	7.2222	2.00	14.44	129.5650	259.13	
9999	Sundries	L.S	0.1535	2.00	0.31	2.7690	5.51	
9999	Sundries	L.S	2.0463	2.00	4.09	36.7150	73.43	
9999	Sundries	L.S	0.0212	216.00	4.57	0.3811	81.93	
7330	M.S. Tube 40 mm dia	metre	0.0157	59.00	0.93	0.2822	16.65	
7329	Single clip	each	0.0315	76.00	2.39	0.5646	42.91	
7328	Double clip (bridge clip)	each	0.0157	910.00	14.32	0.2822	256.83	
7327	100 mm channel shoulder 2.5 m long	each	0.0079	240.00	1.89	0.1410	33.85	
7326	Corner angle 45x45x5 mm 1.50 m long	each						

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7319	wall form panel 1250x500 mm	each	0.0315	860.00	27.07	0.5648	485.69
Total Quantity							17.9400 sqm
Total Deducted Quantity							0.0000 sqm
Net Total Quantity							17.94 sqm
Say 17.9400 sqm @ Rs 143.869 / sqm							2581.01
Unskilled wage	523.26	Unskilled Person-days				2.492	

## Heading / Description : 6 - RCC

1 54.5.2.2 - Reinforced cement concrete work in wall (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts, etc. up to floor five level excluding cost of centring, shuttering, finish and reinforcement. 1:1.5:3 (1 cement: 1.5 coarse sand: 3 graded stone aggregate 20mm nominal size)

Sl No	Description	No	L	B	D	CF	Quantity	Remark
1	IN COLUMN	12	0.250	0.250	2.134	1.0	1.6000	-
2	IN PLINTH	2	(10.5*10)	0.250	0.076	1.0	0.7790	-
3	TOILET PLINTH	1	3.850	0.250	0.076	1.0	0.0730	-
4	LINTELS	2	(10.5*10)	0.830	0.128	1.0	4.3560	-
5	TOILET ROOFS	1	1.480	1.480	0.100	1.0	0.2190	-

## LIST

Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)
0115	Coolie	Day	1.8736	210.00	393.46	13.1660	2764.87
9999	Sundries	LS	45.7549	2.00	91.51	321.5200	643.04
9999	Sundries	LS	14.3595	2.00	28.72	100.9050	201.81
0012	Vibrator (Needle type 40 mm)	Day	0.0697	370.00	25.80	0.4899	181.26
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with Hopper	Day	0.0697	800.00	55.77	0.4899	391.92
0124	Mason (brick layer) 2nd class	Day	0.1002	345.00	34.58	0.7042	242.96
0123	Mason (brick layer) 1st class	Day	0.1002	388.00	38.88	0.7042	273.24
0101	Bhieti	Day	0.8998	312.00	280.73	6.3228	1972.70
0115	Coolie	Day	0.8203	210.00	172.25	5.7640	1210.44
0114	Beldar	Day	1.2298	210.00	258.27	8.6421	1814.85
0367	Portland Cement	tonne	0.4000	4484.00	1793.60	2.8108	12603.63
0982	Coarse sand (zone III)	cum	0.4250	175.80	74.72	2.9665	525.02
0297	Stone Aggregate(single size) 10 mm nominal size	cum	0.2800	668.80	187.26	1.9676	1315.90
0295	Stone Aggregate(single size) 20 mm nominal size	cum	0.5700	604.91	344.80	4.0054	2422.90
Total Quantity						7.0270 cum	
Total Deducted Quantity						0.0000 cum	
Net Total Quantity						7.03 cum	
Say 7.0270 cum @ Rs 3855.961 / cum						27095.84	
Unskilled wage	5790.16	Unskilled Person-days				27.572	

## Heading / Description : 7 - CENTRING AND SHUTTERING

1 54.5.9.6 - Centring and shuttering including strutting, propping etc and removal of form for Columns, Pillars, Piers, Abutments, Posts and Struts

Sl No	Description	No	L	B	D	CF	Quantity	Remark
1	IN COLUMN	12	1.000		2.134	1.0	25.6080	-
2	IN PLINTH	4	(10.5*10)		0.076	1.0	6.2320	-
3	TOILET PLINTH	2	3.850		0.076	1.0	0.5850	-
4	LINTELS	4	(10.5*10)		0.128	1.0	10.4960	-
5	LINTELS	2	(10.5*10)		0.250	1.0	10.2500	-
6	TOILET ROOFS	1	1.480		1.480	1.0	2.1900	-

## LIST

Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)
9999	Sundries	LS	5.7778	2.00	11.56	319.8750	639.75
9999	Sundries	LS	8.6667	2.00	17.33	479.7850	959.57
0114	Beldar	Day	0.4444	210.00	93.33	24.6048	5167.01
0116	Fitter(grade 1)	Day	0.2222	395.00	87.78	12.3025	4859.48
9999	Sundries	LS	11.5556	2.00	23.11	639.7250	1279.45
9999	Sundries	LS	6.1400	2.00	12.28	339.9150	679.83

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7334	Prop 2 m (2-3.5m)	each	0.0189	635.00	11.99	1.0457	664.00	
7333	Column clamp 450x1070 mm	each	0.0236	965.00	22.73	1.3041	1258.41	
7332	Corner angle 45x45x5 mm 2.50 long	each	0.0189	255.00	4.82	1.0458	266.67	
7331	Wall form panel 1250x450xmm	each	0.0378	860.00	32.49	2.0914	1798.62	
							Total Quantity	55.3610 sqm
							Total Deducted Quantity	0.0000 sqm
							Net Total Quantity	55.36 sqm
							Say 55.3610 sqm @ Rs 323 771 / sqm	17924.29

Unskilled wage 5167.01 Unskilled Person-days 24.605

Heading / Description : 8 - BW

54.6.1.12A - Brick work with bricks of class designation 100A in foundations and plinth in : Cement mortar 1 : 4 (1 cement: 4 coarse sand)

SI No	Description	No	L	B	D	CF	Quantity	Remark
1	IN OUTER WALL	2	(10.5+10)	0.250	0.3048	1.0	3.1240	-
2	IN TOILET	1	3.850	0.250	0.3048	1.0	0.2930	-
3	IN PARTITION WALL	1	9.875	0.250	0.3048	1.0	0.7520	-
4	IN PARTITION WALL	1	6.260	0.250	0.3048	1.0	0.4770	-
5	IN PARTITION WALL	1	6.000	0.250	0.3048	1.0	0.4570	-
6	FOR TABLE	1	1.520	0.250	0.3048	1.0	0.1160	-
7	FOR TABLE	1	1.820	0.250	0.3048	1.0	0.1390	-
8	FOR NADEP TANK	3	2*(2.5+2)	0.250	0.3048	1.0	2.0570	-
FOR COLUMN								
9	COLUMN	12	0.250	0.250	0.3048	1.0	-0.2290	-

Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)	
01C1	Bhisti	Day	0.2000	312.00	62.40	1.4372	448.41	
0115	Coolie	Day	1.3700	210.00	287.70	9.8448	2067.41	
0124	Mason (brick layer) 2nd class	Day	0.3600	345.00	124.20	2.5870	892.50	
0123	Mason (brick layer) 1st class	Day	0.3600	388.00	139.68	2.5870	1003.74	
9999	Sundries	L.S	2.7300	2.00	5.46	19.6200	39.24	
9999	Sundries	L.S	3.3800	2.00	6.76	24.2900	48.58	
9999	Sundries	L.S	6.7275	2.00	13.46	48.3450	96.69	
9999	Sundries	L.S	6.7275	2.00	13.46	48.3450	96.69	
0101	Bhisti	Day	0.0175	312.00	5.46	0.1258	39.24	
0114	Beldar	Day	0.1875	210.00	39.38	1.3474	282.95	
0982	Coarse sand (zone III)	cum	0.2675	175.80	47.03	1.9223	337.94	
0367	Portland Cement	tonne	0.0950	4484.00	425.98	0.6827	3061.09	
2602	Common burnt clay FPS (non modular) bricks class designation 7.5	1000 nos	494.0000	5.00	2470.49	3549.8840	17752.97	
							Total Quantity	7.4150 cum
							Total Deducted Quantity	-0.2290 cum
							Net Total Quantity	7.19 cum
							Say 7.1860 cum @ Rs 3714.274 / cum	26690.77

Unskilled wage 2350.36 Unskilled Person-days 11.192

Heading / Description : 9 - B/W

54.6.1.14A - Brick work with bricks of class designation 100A in foundations and plinth in : Cement mortar 1 : 6 (1 cement: 6 coarse sand)

SI No	Description	No	L	B	D	CF	Quantity	Remark
1	IN OUTER WALL	2	(10.5+10)	0.250	1.000	1.0	10.2300	-
2	above inlet	2	5*10.5	0.250	0.457	1.0	1.2000	-
3	FOR NADEP TANK	3	2*(2.5+2)	0.250	1.000	0.6	4.0500	-
DE								
4	COLUMN	12	0.250	0.250	1.000	1.0	-0.7500	-
5	GATE	1	1.524	0.250	1.000	1.0	-0.3810	-
6	TOILET GATE	1	0.762	0.250	1.000	1.0	-0.1910	-

Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)
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0101	Bhisti	Day	0.2000	312.00	62.40	2.8356	884.71
0115	Coolie	Day	1.3700	210.00	287.70	19.4239	4079.01
0124	Mason (brick layer) 2nd class	Day	0.3600	345.00	124.20	5.1041	1760.91
0123	Mason (brick layer) 1st class	Day	0.3600	388.00	139.68	5.1041	1980.38
9999	Sundries	LS	2.7300	2.00	5.46	38.7050	77.41
9999	Sundries	LS	3.8800	2.00	6.76	47.9200	95.84
9999	Sundries	LS	6.7275	7.00	13.46	95.3800	190.76
0101	Bhisti	Day	0.0175	312.00	5.46	0.2481	77.41
0114	Beldar	Day	0.1875	210.00	39.38	2.6584	558.26
0982	Coarse sand (zone III)	cum	0.2675	175.80	47.03	3.7927	666.75
0967	Portland Cement	tonne	0.0675	4484.00	299.75	0.8861	3973.38
2602	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	1000 nos	494.0000	5.00	2470.49	7003.9312	35026.66

Total Quantity 15.5000 cum

Total Deducted Quantity -1.3220 cum

Net Total Quantity 14.18 cum

Say 14.1780 cum @ Rs 3551.906 / cum

Unskilled Person-days 22.082

Unskilled wage 4637.27

Heading / Description : 10 - BW

1 54.6.3A - Extra for Brick work in superstructure above plinth level upto floor V cum

SI No	Description	No	L	B	D	CF	Quantity	Remark
1	IN OUTER WALL	2	(10.5+10)	0.250	1.000	1.0	10.2500	-
2	above Intel	2	5*10.5	0.250	0.457	1.0	1.2000	-
3	FOR NADEP TANK	3	2*(2.5*2)	0.250	1.000	0.6	4.0500	-
DE								
4	COLUMN	12	0.250	0.250	1.000	1.0	-0.7500	-
5	GATE	1	1.524	0.250	1.000	1.0	-0.3810	-

LIST

Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)
0115	Coolie	Day	1.1300	210.00	237.30	16.2370	3409.76
9999	Sundries	LS	22.3600	2.00	44.72	321.2900	642.58
0115	Coolie	Day	0.4300	210.00	90.30	6.1787	1297.52
0124	Mason (brick layer) 2nd class	Day	0.1100	345.00	37.95	1.5806	545.30
0123	Mason (brick layer) 1st class	Day	0.1100	388.00	42.68	1.5806	613.27

Total Quantity 15.5000 cum

Total Deducted Quantity -1.1310 cum

Net Total Quantity 14.37 cum

Say 14.3690 cum @ Rs 462.009 / cum

Unskilled Person-days 22.416

Unskilled wage 4707.28

Heading / Description : 11 - BW

1 54.6.18.4A - Half brick masonry with bricks of class designation 100A in foundations &lt;br/&gt; plinth in (cement mortar 1:4 (1 cement 4 coarse sand))

SI No	Description	No	L	B	D	CF	Quantity	Remark
1	PARTITION WALL	7	2.000		1.000	1.0	14.0000	-
2	IN PARTITION WALL	1	9.875		0.900	1.0	8.8880	-
3	IN PARTITION WALL	1	6.260		1.000	1.0	6.2600	-
4	IN PARTITION WALL	4	1.500		1.000	1.0	6.0000	-
5	FOR TABLE	2	1.520		0.450	1.0	1.3680	-
6	FOR TABLE	1	1.820		0.450	1.0	0.8190	-
7	FOR TOILET	2	1.200		2.134	1.0	5.1220	-
8	FOR TOILET	1	1.450		2.134	1.0	3.0940	-
9	FOR TOILET	1	0.688		1.134	1.0	0.7800	-
DE								
10	DOOR	3	1.000		1.000	1.0	-3.0000	-

LIST

Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)
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0115	Coolie	Day	0.1550	210.00	32.55	6.7183	1410.42	
0124	Mason (brick layer) 2nd class	Day	0.0450	345.00	15.53	1.9499	672.71	
0123	Mason (brick layer) 1st class	Day	0.0450	388.00	17.46	1.9499	756.56	
9999	Sundries	LS	2.4840	2.00	4.97	107.6350	215.27	
0101	Bhisti	Day	0.0720	312.00	22.45	3.1182	972.87	
0114	Beldar	Day	0.0210	210.00	4.41	0.9100	191.09	
0982	Coarse sand (zone III)	cum	0.0300	175.80	5.27	1.2982	228.22	
0367	Portland Cement	tonne	0.0106	4484.00	47.71	0.4610	2067.32	
2602	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	1000 nos	56.5000	5.00	282.56	2448.2064	12243.48	
Total Quantity							46.3310 sqm	
Total Deducted Quantity							-3.0000 sqm	
Net Total Quantity							43.33 sqm	
Say 43.3310 sqm @ Rs 441.556 / sqm							19133.06	
Unskilled wage					1601.51	Unskilled Person-days		7.626

## Heading / Description : 12 - BW

S4.6.19A - Extra for half brick masonry in superstructure above plinth level upto floor v level

Sl No	Description	No	L	B	D	CF	Quantity	Remark
1	PARTITION WALL	7	2.000		1.000	1.0	14.0000	-
2	IN PARTITION WALL	1	9.875		0.900	1.0	8.8880	-
3	IN PARTITION WALL	1	6.260		1.000	1.0	6.2600	-
4	IN PARTITION WALL	4	1.500		1.000	1.0	6.0000	-
5	FOR TABLE	2	1.520		0.450	1.0	1.3680	-
6	FOR TABLE	1	1.820		0.450	1.0	0.8190	-
7	FOR TOILET	2	1.200		2.134	1.0	5.1220	-
8	FOR TOILET	1	1.450		2.134	1.0	3.0940	-
			DE					
9	DOOR	3	1.000		1.000	1.0	-3.0000	-
			LIST					

Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)	
0115	Coolie	Day	0.1740	210.00	36.54	7.4039	1554.81	
0124	Mason (brick layer) 2nd class	Day	0.0150	345.00	5.17	0.6383	220.20	
0123	Mason (brick layer) 1st class	Day	0.0150	388.00	5.82	0.6383	247.65	
Total Quantity							45.5510 sqm	
Total Deducted Quantity							-3.0000 sqm	
Net Total Quantity							42.55 sqm	
Say 42.5510 sqm @ Rs 48.486 / sqm							2063.13	
Unskilled wage					1554.81	Unskilled Person-days		7.404

## Heading / Description : 13 - PCC

S4.4.1.3 - Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering-all work upto plinth level. 1:2:4 (1 Cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size)

Sl No	Description	No	L	B	D	CF	Quantity	Remark
1	FLOOR	1	10.000	10.000	0.100	1.0	10.0000	-
			LIST					

Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)
9999	Sundries	LS	14.3000	2.00	28.60	143.0000	286.00
9999	Sundries	LS	14.3000	2.00	28.60	143.0000	286.00
0012	Vibrator (Needle type 40 mm)	Day	0.0700	370.00	25.90	0.7000	259.00
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with Hopper	Day	0.0700	800.00	56.00	0.7000	560.00
0101	Bhisti	Day	0.7000	312.00	218.40	7.0000	2184.00
0114	Beldar	Day	1.6300	210.00	342.30	16.3000	3423.00
0155	Mason (average)	Day	0.1000	345.00	34.50	1.0000	345.00
0367	Portland Cement	tonne	0.3200	4484.00	1434.88	3.2000	14348.80
0982	Coarse sand (zone III)	cum	0.4450	175.80	78.23	4.4500	782.31
0297	Stone Aggregate (single size) 10 mm nominal size	cum	0.2200	668.80	147.14	2.2000	1471.36

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0295	Stone Aggregate(single size) 20 mm nominal size	cum	0 6700	604 91	405 29	6 7000	4052.90
Total Quantity							10.0000 cum
Total Deducted Quantity							0.0000 cum
Net Total Quantity							10.00 cum
Say 10.0000 cum @ Rs 2855.833 / cum							28558.33
Unskilled wage	3423.00	Unskilled Person-days		16.3			

## Heading / Description : 14 - CP

1 54.13.17.2 - 12 mm cement plaster 1:4 (1 cement : 4 coarse sand) finished with a floating coat of near cement

SI No	Description	No	L	B	D	CF	Quantity	Remark
1	FLOOR	1	10.000	10.000		1.0	100.0000	-

## LIST

Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)
9999	Sundries	LS	2 6491	2.00	5.30	264.9000	529.80
0115	Coolie	Day	0 1020	210.00	21.42	10 2000	2142.00
0155	Mason (average)	Day	0 0940	345.00	32.43	9 4000	3243.00
0101	Bhisti	Day	0 0930	312.00	29.02	9 3006	2901.80
0114	Beldar	Day	0 0108	210.00	2.27	1 0800	226.80
0982	Coarse sand (zone III)	cum	0 0154	175.80	2.71	1 5410	270.90
0367	Portland Cement	tonne	0 0055	4484.00	24.54	0 5472	2453.60
Total Quantity						100.0000 sqm	
Total Deducted Quantity						0 0000 sqm	
Net Total Quantity						100 00 sqm	
Say 100.0000 sqm @ Rs 120 033 / sqm						12003.30	

Unskilled wage 2368.80

Unskilled Person-days 11.28

## Heading / Description : 15 - GI PIPES

1 54.1.9 - GI pipes 40 mm dia

SI No	Description	No	L	B	D	CF	Quantity	Remark
1	GI PIPES	80				1 0	80.0000	-

## LIST

Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)
1549	G.I. pipes 40 mm dia	metre	1 0000	250.00	250.00	80 0000	20000 00
Total Quantity						80 0000 metre	
Total Deducted Quantity						0 0000 metre	
Net Total Quantity						80 00 metre	
Say 80.0000 metre @ Rs 250.0 / metre						20000 00	

## Heading / Description : 16 - GSC

1 54.12.1.5 - Providing corrugated G.S. sheet roofing fixed with G.I. or hooks, bolts and nuts 8 mm diameter with bitumen and G. I. limpet washers or with G. I. limpet washers filled with white lead and including a coat of approved steel primer and two coats of approved paint on over lapping of sheets complete (upto a pitch of 60°) excluding the cost of purlina, rafters and trusses.0.63 mm thick with zinc coating not less than 275 gm/m2

SI No	Description	No	L	B	D	CF	Quantity	Remark
1	GSC	1	11.280	11.280		1 0	127.2380	-

## LIST

Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)
9999	Sundries	LS	0 2064	2.00	0.41	26.2750	52 95
9999	Sundries	LS	0 1733	2.00	0.35	22.0750	44.15
0115	Coolie	Day	0 0137	210.00	2.88	1 7444	366 32
0131	Painter	Day	0 0137	367.00	5.03	1 7446	640 26
9999	Sundries	LS	0 0141	2.00	0.03	1 7800	3 56
0845	Roofing paint for iron sheets in red colour	Litre	0 0203	120.00	2.44	2 5861	310.33
9999	Sundries	LS	0 2741	2.00	0.55	34 8650	69.73
0115	Coolie	Day	0 0061	210.00	1.29	0 7792	163.63
0131	Painter	Day	0 0061	367.00	2.25	0 7794	286.03
9999	Sundries	LS	0 2741	2.00	0.55	34 8650	69.73

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0115	Coolie	Day	0.0061	210.00	1.29	0.7792	163.63
0131	Painter	Day	0.0061	367.00	2.25	0.7794	286.03
9999	Sundries	L.S	0.0028	2.00	0.01	0.3800	0.76
4202	Red oxide Zinc chromate primer	Litre	0.0137	110.00	1.51	1.7443	191.87
0114	Beldar	Day	0.0840	210.00	17.64	10.6886	2244.61
0112	Carpenter 2nd class	Day	0.0840	345.00	28.98	10.6883	3687.48
0130	Mistry	Day	0.0070	287.00	2.02	0.8964	257.28
9999	Sundries	L.S	0.2917	2.00	0.58	37.0900	74.18
9999	Sundries	L.S	0.1458	2.00	0.29	18.5750	37.15
1208	Bitumen washer	100 nos	9.1807	0.30	2.75	1168.0333	350.41
1207	G.I Limpet washer	100 nos	9.1807	0.21	1.93	1168.1429	245.31
1023	Galvanised steel J or L hooks 8 mm dia	10 nos	4.3898	12.00	52.68	558.5533	6702.64
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mm long round head with slots	10 nos	4.7909	3.80	18.20	609.5711	2316.37
3050	Galvanised steel corrugated sheets	quintal	0.0835	4949.15	413.33	10.6263	52591.03
Total Quantity							127.2380 sqm
Total Deducted Quantity							0.0000 sqm
Net Total Quantity							127.24 sqm
Say 127.2380 sqm @ Rs 570.411 / sqm							72577.95
Unskilled wage	2938.18	Unskilled Person-days		13.991			

#### Heading / Description : 17 - MS GRILL

64.9.48.1 - complete. Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc including priming coat with approved steel primer all complete. Fixed to steel windows by welding

SI No	Description	No	L	B	D	CF	Quantity	Remark
1	MS GRILL	2	(10.5*10)		1.134	1.0	46.4940	-
2	COLUMN	12	0.250		1.134	1.0	-3.4020	-
3	GATE	1	1.524		1.134	1.0	-1.7280	-
4	TOILET	1	1.450		1.134	1.0	-1.6440	-

#### LIST

Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)
0114	Beldar	Day	0.0593	210.00	12.46	2.3567	494.91
0102	Blacksmith 1st class	Day	0.0464	388.00	18.00	1.8425	714.88
0115	Coolie	Day	0.0014	210.00	0.29	0.0556	11.68
0131	Painter	Day	0.0014	367.00	0.51	0.0555	20.38
4202	Red oxide Zinc chromate primer	Litre	0.0031	110.00	0.35	0.1249	13.74
9999	Sundries	L.S	2.6078	2.00	5.22	103.5900	207.18
2205	Carriage of Steel	tonne	0.0011	0.00	0.00	0.0428	0.00
1008	Flats up to 10 mm in thickness	quintal	0.0022	4500.00	9.71	0.0857	385.64
1004	Average rate of mild steel round bars for reinforcements	quintal	0.0089	3950.00	35.15	0.3535	1396.32
Total Quantity							46.4940 kg
Total Deducted Quantity							-6.7740 kg
Net Total Quantity							39.72 kg
Say 39.7200 kg @ Rs 83.322 / kg							3309.55
Unskilled wage	506.55	Unskilled Person-days		2.412			

#### Heading / Description : 18 - CP

64.13.11.2 - Cement plaster in course sand 12 mm cement plaster of mix: (4:1 cement : 4 coarse sand)

SI No	Description	No	L	B	D	CF	Quantity	Remark
1	OUTER WALL	4	10.500		1.660	1.0	69.7200	-
2	TOILET	3	1.450		2.790	1.0	12.1360	-
3	INNER WALL	4	10.000		1.000	1.0	40.0000	-
4	TOILET	4	1.200		2.134	1.0	10.2430	-
5	PARTITION WALL	14	2.000		1.000	1.0	28.0000	-
6	PARTITION WALL	2	9.875		0.900	1.0	17.7750	-
7	PARTITION WALL	2	6.260		1.000	1.0	12.5200	-
8	PARTITION WALL	8	1.500		1.000	1.0	12.0000	-

(27)

(23)

9		1	1.500+1.82+1.5	0.450	1.0	2.1690	
10	FOR GATE		DEDUCTION				
11	FOR TOILET	1	1.524	1.000	1.0	-1.5240	
12	DOOR	1	1.450	1.000	1.0	-1.4500	
		6	1.000	1.000	1.0	-6.0000	

Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)
9999	Sundries	LS	1.2610	2.00	2.52	246.6400	493.28
0101	Bhisti	Day	0.0920	312.00	28.70	17.9942	5614.19
0115	Coolie	Day	0.0750	210.00	15.75	14.6692	3080.53
0155	Mason (average)	Day	0.0670	345.00	23.11	13.1045	4521.04
9999	Sundries	LS	0.1947	2.00	0.39	38.0400	76.08
0101	Bhisti	Day	0.3875	2.00	0.78	75.7900	151.58
0114	Beldar	Day	0.0010	312.00	0.31	0.1968	61.41
0982	Coarse sand (zone III)	cum	0.0108	210.00	2.27	2.1124	443.60
0367	Portland Cement	tonne	0.0154	175.80	2.71	3.0139	529.85
			0.0055	4484.00	24.54	1.0702	4798.97
Total Quantity						204.5630 sqm	
Total Deducted Quantity						-8.9740 sqm	
Net Total Quantity						195.59 sqm	
Say 195.5890 sqm @ Rs 103.105 / sqm							20166.20
Unskilled wage	3524.12	Unskilled Person-days		16.782			

Heading / Description : 19 - TMT

1	54.8.22.7B - Thermo-Mechanically Treated bars TMTC-500-10mm dia.							
SI No	Description	No	L	B	D	CF	Quantity	Remark
1	10MM	10.067	71.000			1.0	714.7570	

Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)
9999	Sundries	LS	0.2691	2.00	0.54	192.2700	384.54
0114	Beldar	Day	0.2691	2.00	0.54	192.2700	384.54
0102	Blacksmith 1st class	Day	0.0100	210.00	2.10	7.1476	1500.99
9999	Sundries	LS	0.0100	388.00	3.88	7.1476	2773.26
7335	Binding wire	kilogram	0.2800	2.00	0.52	185.8350	371.67
MR2408	TMTC 500 10 MM	cum	0.0500	46.00	2.30	35.7378	1643.94
			0.0105	3900.00	40.95	7.5049	29269.30
Total Quantity						714.7570 kg	
Total Deducted Quantity						0.0000 kg	
Net Total Quantity						714.76 kg	
Say 714.7570 kg @ Rs 51.843 / kg							37055.15
Unskilled wage	1500.99	Unskilled Person-days		7.148			

Heading / Description : 20 - WATER PROOFING CEMENT

1	54.13.79.1 - Finishing walls with water proofing cement paint of approved brand and manufacture and of required shade to give an even shade New work three or more coats)							
SI No	Description	No	L	B	D	CF	Quantity	Remark
1	IN WALL	1	195.589			1.0	195.5890	

Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)
0101	Bhisti	Day	0.0100	312.00	3.12	1.9559	610.24
0115	Coolie	Day	0.0300	210.00	6.30	5.8677	1232.21
0131	Painter	Day	0.0600	367.00	22.02	11.7353	4306.87
9999	Sundries	LS	1.6770	2.00	3.35	328.0050	656.01
0851	water proofing cement paint	kilogram	0.5470	38.00	20.79	106.9871	4065.51
Total Quantity						195.5890 sqm	
Total Deducted Quantity						0.0000 sqm	
Net Total Quantity						195.59 sqm	

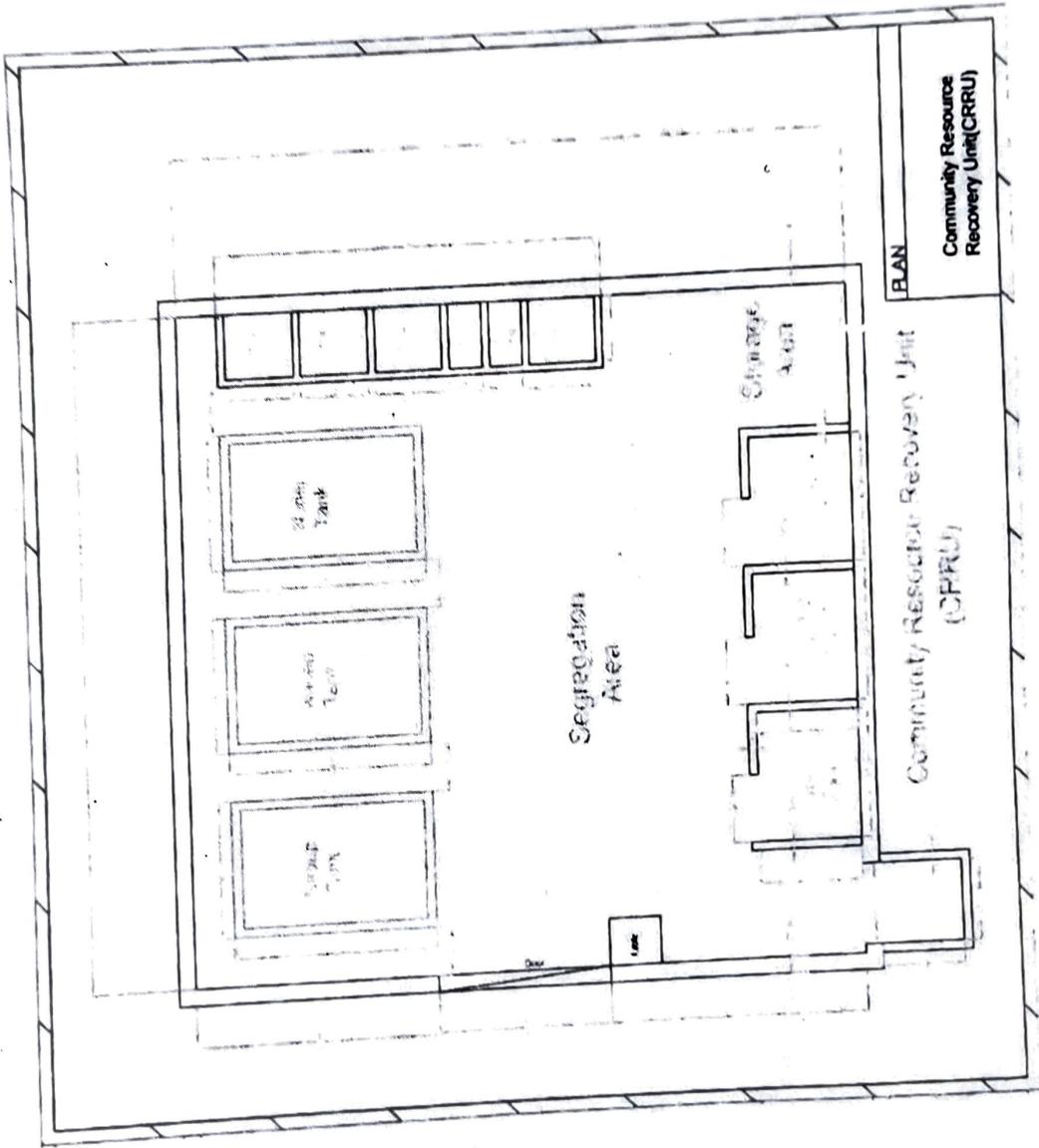
Say 195.5890 sqm @ Rs 56 692 / sqm

11088.33

Unskilled wage	1232.21	Unskilled Person-days	5 868	
21	Lump sum Type : Material	Conveyance		46759.00
22	Lump sum Type : Material	GST		39165.00
23	Lump sum Type : Material	Display Board		800.00
24	Lump sum Type : Material	Miscellaneous /Contingencies charges		15000.00
				Total Rs : 500532.23
				Rounded Total Rs : 5,00,532.00
				( Rupees Five Lakh Five Hundred and Thirty Two Only)
				Unskilled Manpower wages 44279.86
				Materials (Includes Extra Charges) 294104.36
				Carriage 0.00
				Skilled 19927.50
				SemiSkilled 40496.82
				Lumpsum Admin 0.00
				Lumpsum Material 101724.00
				No of Person days 210.86

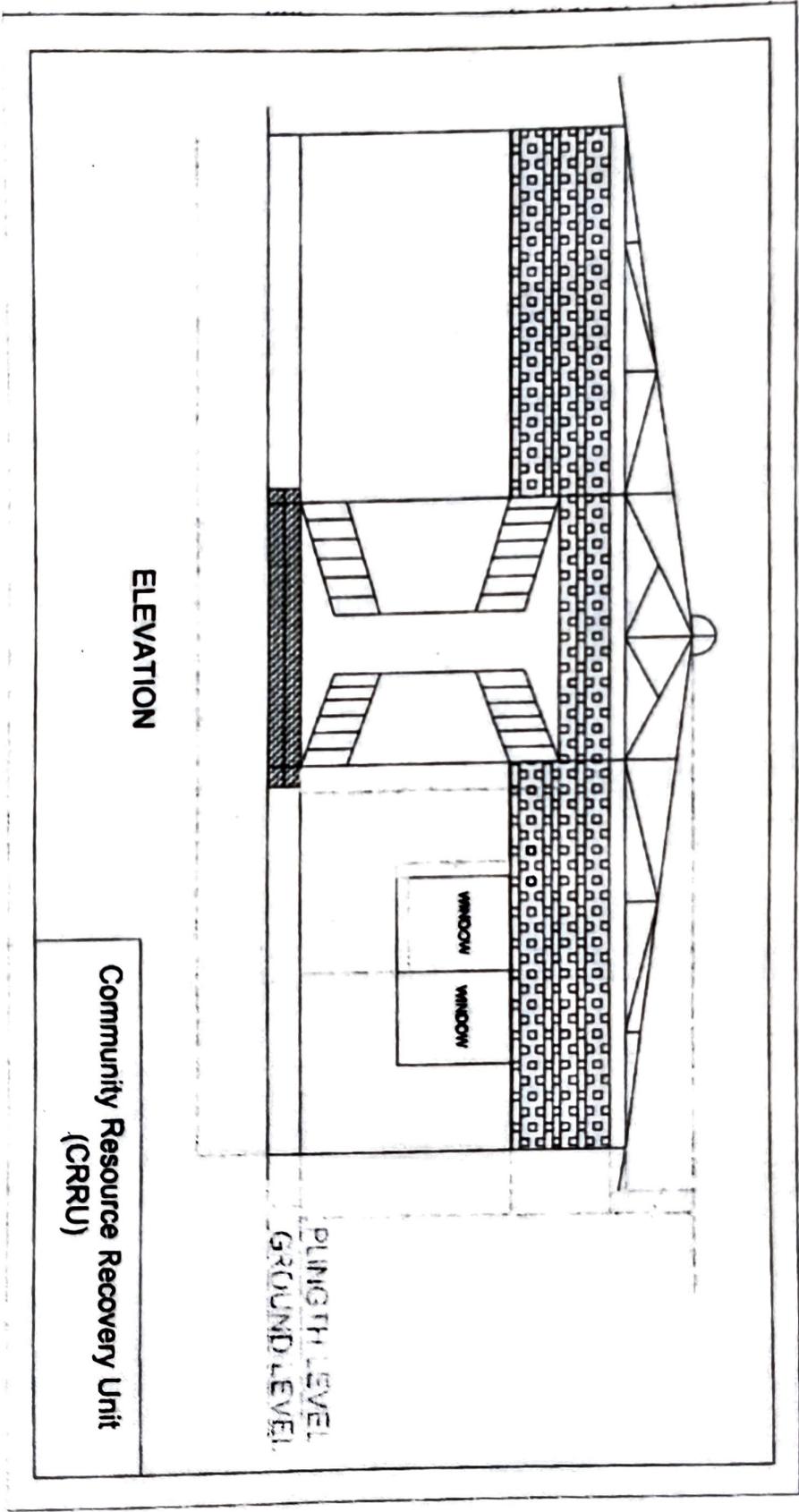
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21



98

98



Community Resource Recovery Unit  
(CRRU)

ELEVATION

PLINTH LEVEL  
GROUND LEVEL

WINDOW

WINDOW

31

14

**Modal Estimate for Soak Pit, for the year 2021-22.**

Length (6'6"x7'0")

Sl no	SOR No	Item of Work	Rate	Length (m)	Width (m)	Height (m)	Quantity	Unit	Rate	Amount
1	2A1	Supply and laying in place 10mm nominal size of fine aggregate according to IS 1087 for 150mm thick concrete slab for soak pit. The concrete shall be prepared and laid in place. The concrete shall be finished with a level of 15mm.	1	0.79	47.75	0.15	265.33	cft		
							265.33	cft		
							7.51	cum	360.70	2,710.00
2	203A	Excavating 20 mm dia bore upto 4 m depth below ground level. All work job and direction of EA.	1	10			10.00	m		
							3.00	m <sup>3</sup>	167.50	512.50
3	204	Supplying and laying in place with local sand and under floors including: a) Slabs forming consolidating and dressing complete.	1	0.79	47.75	0.50	18.92	cft		
		1:2:4 (55') (4'0")	1	0.79	23.23	3.00	55.64	cft		
		1:2:4 (55') (4'0") (3'0")					Total =		71.64	cft
							2.03	cum	281.40	571.00
4	1172	Providing designation 100 A one brick bal soring joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of EA.	1	0.79	18.92		14.85	slt		
		1:1/2:1 (55') (4'10")					Total =	14.85	slt	
							1.38	sqm	285.20	394.00
5	413	Providing and laying in position cement concrete of specified grade excluding the cost of centering, shuttering, all work upto plinth level. 1:2.5:5 (1 cement: 2.5 coarse sand: 5 graded stone aggregate 20 mm nominal size)	1	0.79	18.92	0.25	3.71	cft		
		1:1/2:1 (55') (4'10") (5'0")					Total =	3.71	cft	
							0.11	cum	3953.4	415.00
6	6.1.12	Brick work with bricks of class designation 100A in foundations and plinth in Cement mortar 1:1/4 (1 cement: 4 coarse sand)	1	0.79	18.92	7.00	72.78	cft		
		1:1/2:1 (55') (4'10") (2'0") (2'0")					Total =	72.78	cft	
							2.66	Cum	5049.20	10,403.00
7	228	Providing Brick bal filling and direction of EA.	1	0.79	23.23	3.00	54.94	cft		
		1:2:4 (55') (4'10") (3'0")					Total =	54.94	cft	
							1.56	cum	1102.50	1,715.00
8	5.12	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centering, shuttering, finishing and reinforcement. All work upto plinth level 1:1.5:3 (1 cement: 1.5 coarse sand: 3 graded stone aggregate 20 mm nominal size)	1	0.79	42.23	0.75	24.87	cft		
		1:1/2:1 (55') (4'0")					Total =	24.87	cft	
							0.70	cum	4630.90	3,362.00
9	522.70	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Thermo-Mechanically Treated bars TMT Fe-200-10mm dia.					62.19	kg		
		Total RCC Work 24.87 cft (37.5kg/cft)					Total =	62.19	kg	69.20
										4,303.00
									<b>Total Rs. =</b>	<b>24284.54</b>

(22) (18)

No	SOR Ref	Item of Works	Nos	Length (sft)	width (sft)	height (sft)	quantity	unit	rate	amount
10	BCD501	centring and shuttering including strutting, propping and removal of form work for suspended work, landing, buttress etc.								24284
		10"0.0'3"	0.25	4.03		0.25	7.58	sft		
		5'6"0'9"	3.14	0.5		0.75	15.31	sft		
			0.785	4.83		4.83	18.31	sft		
							41.21	sft		
							3.83	sqm	412.2	1578.45
		less 9.1%cp								25862.45
									(-)	2353.3
		carriage of material								23509
1		bricks								0
		local sand	1063					nos	617.82	657
		stone sand	2.05					m3	216.67	444
		stone chips	0.9					m3	380.19	342
		cement	0.69					m3	1167.29	805
			0.51					mt	271.26	138
		GST of material								2386
		signorage fee								1100
		miscellaneous								600
										2400
										29995
								say		30000



# लोहिया स्वच्छ बिहार अभियान

(स्वच्छ भारत मिशन (ग्रामीण) एवं लोहिया स्वच्छता योजना)

बिहार ग्रामीण जीविकोपार्जन प्रोत्साहन समिति, ग्रामीण विकास विभाग



बिहार सरकार

विद्युत भवन-2, प्रथम तल, बेली रोड, पटना-800 021, दूरभाष : +91-812-250 4980, फ़ैक्स : +91-812-250 4980 वेबसाइट : www.lsba.bih.nic.

पत्रांक: BRLPS/LSBA/Proj/163/20/523

दिनांक: 25.11.2022

प्रेषक,

राहुल कुमार, भा०प्र०से०,  
मुख्य कार्यपालक पदाधिकारी-सह-मिशन निदेशक,  
लोहिया स्वच्छ बिहार अभियान।

सेवा में,

सभी जिला पदाधिकारी-सह-अध्यक्ष  
जिला जल एवं स्वच्छता समिति, बिहार।

**विषय :** पंचायत स्तरीय अपशिष्ट प्रसंस्करण इकाई (WPU) के निर्माण एवं संचालन के संबंध में।

**प्रसंग :** इस कार्यालय द्वारा प्रेषित पत्रांक BRLPS/LSBA/Proj/163/20/151 दिनांक 13.06.2022

महाशय,

ठोस अपशिष्ट प्रबंधन अंतर्गत घर-घर से अपशिष्ट का उठाव, परिवहन एवं ग्राम पंचायत स्थित अपशिष्ट प्रसंस्करण इकाई (Waste Processing Unit) पर अपशिष्ट के संग्रहण, पृथक्करण एवं समुचित प्रसंस्करण (Processing) किये जाने का प्रावधान है। इस कार्य हेतु ग्राम पंचायत में उपयुक्त स्थल पर अपशिष्ट प्रसंस्करण इकाई (WPU) का निर्माण मनरेगा निधि से किया जा रहा है जिसमें 15वीं वित्त आयोग, 6वें राज्य वित्त निधि से भी व्यय किया जाना अनुमान्य है।

वित्तीय वर्ष 2021-22 के अंतर्गत कुल 1671 ग्राम पंचायतों में ठोस अपशिष्ट प्रबंधन का कार्य प्रगति पर है। अपशिष्ट के समुचित प्रबंधन हेतु इन सभी ग्राम पंचायतों में "WPU" का निर्माण आवश्यक रूप से तय समय सीमा में कराया जाना है परन्तु अब तक केवल 323 "WPU" का ही निर्माण हुआ है, 793 "WPU" निर्माणाधीन हैं और अभी भी 555 "WPU" का निर्माण कार्य प्रारंभ किया जाना शेष है।

उपरोक्त तथ्यों के आलोक में पूर्व में राज्य कार्यालय द्वारा "WPU" के निर्माण एवं संचालन से सम्बंधित निदेश प्रेषित किया गया है। ज्ञात हो की सचिव; ग्रामीण विकास विभाग एवं मिशन निदेशक; लोहिया स्वच्छ बिहार अभियान के द्वारा क्षेत्र भ्रमण के दौरान निर्मित "WPU" के अवलोकन के पश्चात लिए गए निर्णय के आलोक में निम्नलिखित बिन्दुओं को निर्माणाधीन, प्रस्तावित एवं अन्य WPU के डिजाइन में समिलित किया जाना है :

1. अपशिष्ट प्रसंस्करण इकाई (WPU) हेतु निर्मित भवन / शेडयुक्त कक्ष का न्यूनतम आकार 1200 sft. से 1600 sft. होनी चाहिए।
2. अपशिष्ट की अलग-अलग वर्गों में पृथक्करण हेतु संरचना, पृथक्करण पश्चात वर्गीकृत अपशिष्टों को रखने हेतु संग्रहण संरचना का निर्माण।
3. "WPU" के शेड में केवल प्लास्टिक / अजैविक अपशिष्ट संग्रहण एवं पृथक्करण का कार्य किया जाए। जैविक अपशिष्ट प्रबंधन हेतु WPU शेड के बाहर जैविक खाद बनाये जाने हेतु किसी भी उपयुक्त विधि यथा NADEP / कम्पोस्ट पिट / वर्मी कम्पोस्ट पिट (क्षेत्र-15x15 sft.) 4-5 यूनिट बनायी जा सकती है तथा निर्मित स्थान को बारिश एवं धूप से सुरक्षा हेतु प्लास्टिक / टिन का शेड बनाया जा सकता है।

विकसित बिहार का निश्चय : शौचालय निर्माण, घर का सम्मान



5. अपशिष्ट के समुचित निष्पादन एवं WPU में कार्य करने वाले मानव संसाधन हेतु उपयुक्त वातावरण के दृष्टिगत, WPU में प्रकाश एवं ताजी हवा का सतत आवागन (Proper Ventilation) आवश्यक है। इस आलोक में सतह से पांच-छः फिट की पक्की दिवार जुड़ाई के बाद उपर की संरचना चारो तरफ से जालीदार (लोहे की जाली / ग्रिल) बनाया जाएगा।
6. WPU हेतु चिह्नित स्थल नीचा (Low land) होने पर उसकी भराई मनरेगा से किये जाने हेतु अतिरिक्त राशि का प्राक्कलन सम्मिलित किया जा सकता है।
7. WPU में एक यूनिट व्यक्तिगत शौचालय का निर्माण स्वच्छ भारत मिशन-ग्रामीण ( अधिकतम व्यय 12000 /- रुपये) के सम्बंधित प्रखण्ड के IEC मद्द से किया जा सकता है।
8. अपशिष्ट प्रसंस्करण इकाई के निर्माण में मनरेगा के अतिरिक्त आवश्यकतानुसार 15वीं वित्त आयोग एवं 6वें राज्य वित्त आयोग की निधि से भी व्यय किया जा सकता है।
9. सामुदायिक परिसंपत्तियों कि सुरक्षा हेतु "WPU" परिसर के चारो तरफ, जमीन की उपलब्धता के अनुसार चाहरदीवारी (Barbed Wire / जालीदार संरचना ) का निर्माण भी कराया जा सकता है।
10. "WPU" में पेयजल की उपलब्धता सुनिश्चित करने हेतु चापाकल / मुख्यमंत्री हर घर नल का जल योजना से व्यवस्था किया जा सकता है।
11. ई-रिक्सा की चार्जिंग के लिए WPU पर एक चार्जिंग पॉइंट बनार्यी जाए जिसके लिए बिजली कि व्यवस्था हेतु ग्राम पंचायत द्वारा बिजली कनेक्सन लिया जा सकता है।
12. बिजली एवं पानी कि व्यवस्था पर होने वाला व्यय 15वीं वित्त आयोग / 6वें राज्य वित्त आयोग की निधि से किया जा सकता है।
13. "WPU" पर लाईट का इन्तेजाम, मुख्यमंत्री ग्रामीण सोलर स्ट्रीट लाईट योजना की सहायता से भी किया जा सकता है।

उपरोक्त के आलोक में अनुरोध है कि अपशिष्ट प्रसंस्करण इकाई के निर्माण में वर्णित दिशा-निर्देशों का अनुपालन सुनिश्चित करने एवं वित्तीय वर्ष 2022-23 के अंतर्गत SLWM हेतु चयनित ग्राम पंचायतों में WPU निर्माण कार्य को प्राथमिकता प्रदान करने हेतु संबंधित को निदेशित करने की कृपा करेंगे।

अनुलग्नक : यथोक्त

विश्वासभाजन

(राहुल कुमार)

ज्ञापांक: BRUPS/UBA/PWU/163/20/523

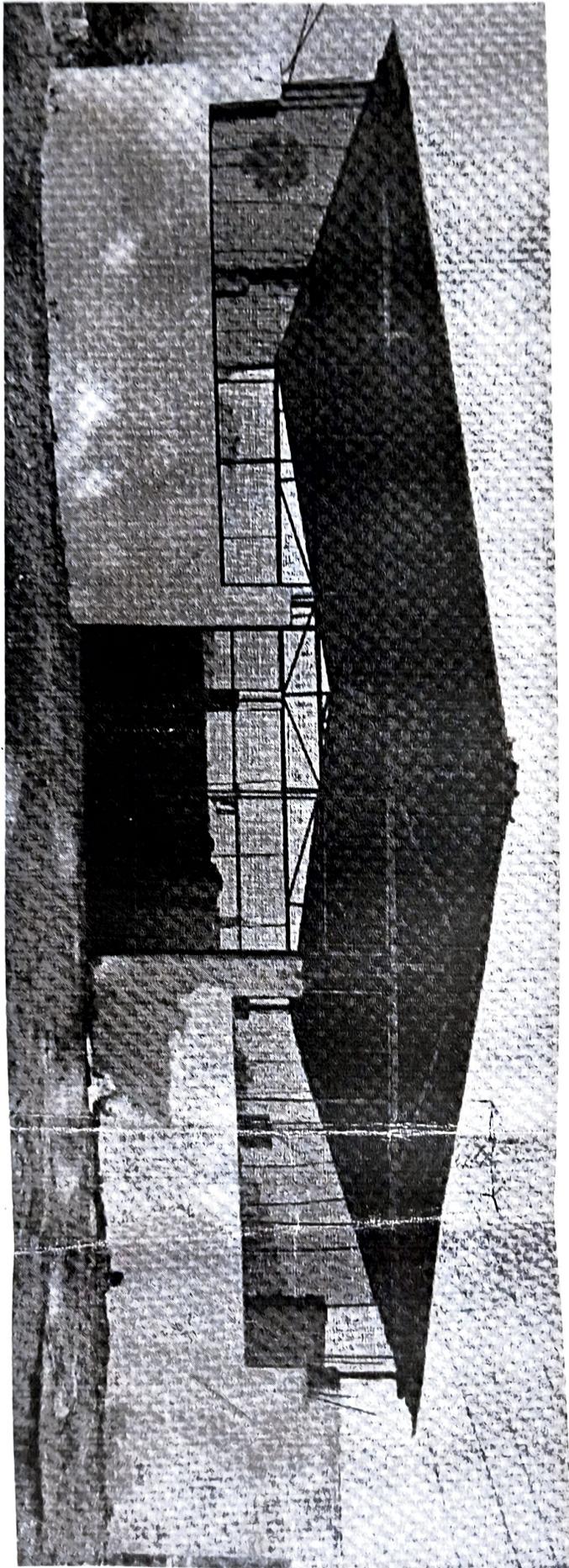
दिनांक: 25.11.2022

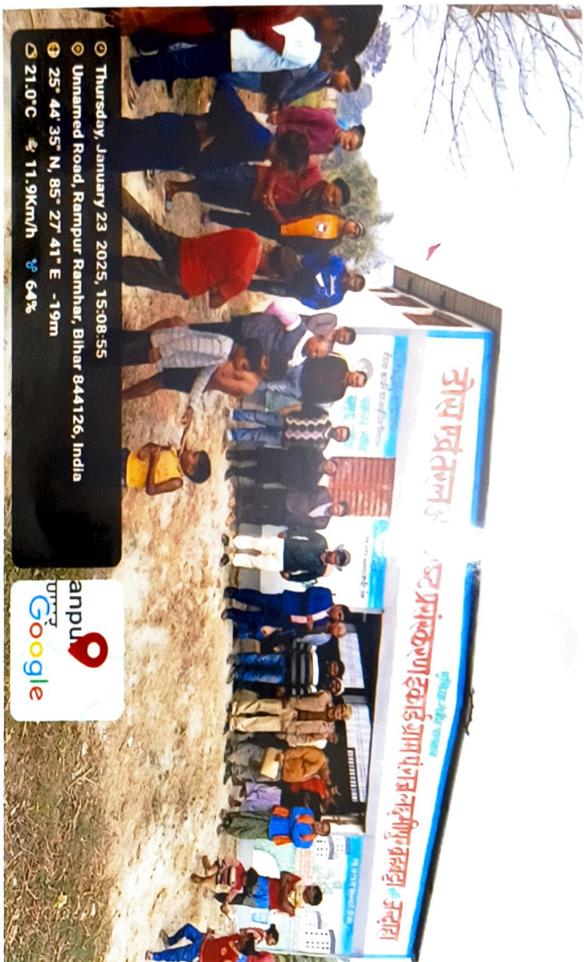
प्रतिलिपि: सभी जिला समन्वयक एवं जिला सलाहकार, जिला जल एवं स्वच्छता समिति, बिहार को सूचनार्थ एवं आवश्यक कार्यार्थ प्रेषित।

प्रतिलिपि: सभी निदेशक-सह-सदस्य सचिव, DRDA, बिहार को सूचनार्थ एवं आवश्यक कार्यार्थ प्रेषित।

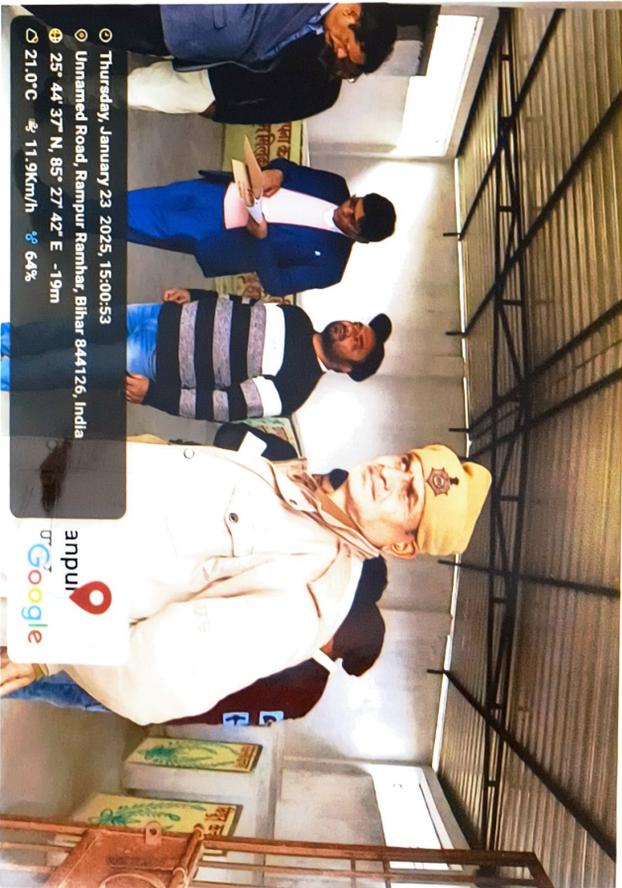
प्रतिलिपि: सभी उप विकास आयुक्त-सह-उपाध्यक्ष, जिला जल एवं स्वच्छता समिति, बिहार को सूचनार्थ एवं आवश्यक कार्यार्थ प्रेषित

(राहुल कुमार)

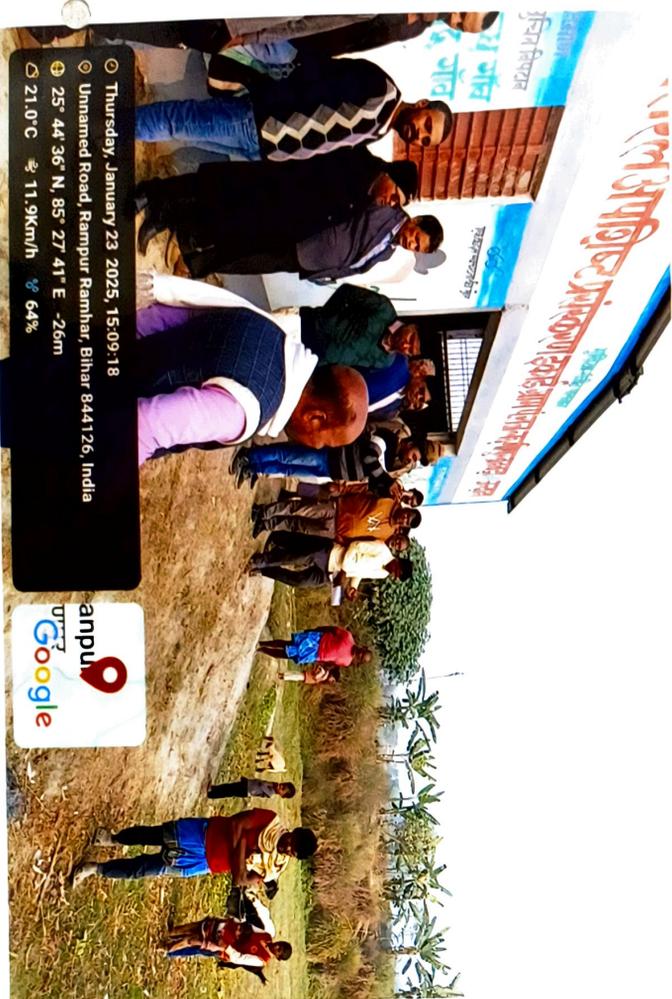




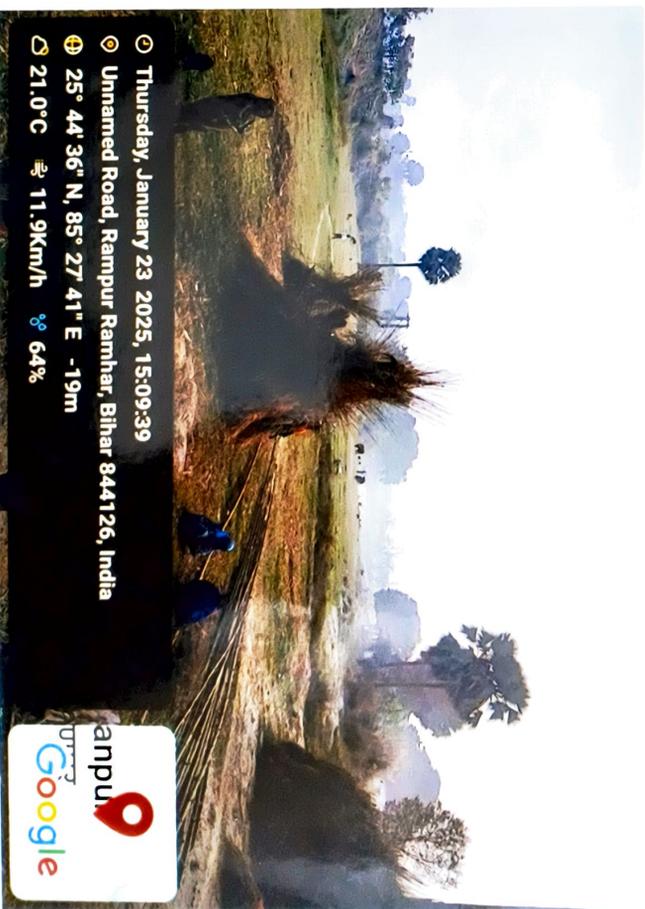
Thursday, January 23 2025, 15:08:55  
 Unnamed Road, Rampur Ramhar, Bihar 844126, India  
 25° 44' 35" N, 85° 27' 41" E - 19m  
 21.0°C ☁ 11.9Kmh 64%



Thursday, January 23 2025, 15:00:53  
 Unnamed Road, Rampur Ramhar, Bihar 844126, India  
 25° 44' 37" N, 85° 27' 42" E - 19m  
 21.0°C ☁ 11.9Kmh 64%



Thursday, January 23 2025, 15:09:18  
 Unnamed Road, Rampur Ramhar, Bihar 844126, India  
 25° 44' 36" N, 85° 27' 41" E - 26m  
 21.0°C ☁ 11.9Kmh 64%



Thursday, January 23 2025, 15:09:39  
 Unnamed Road, Rampur Ramhar, Bihar 844126, India  
 25° 44' 36" N, 85° 27' 41" E - 19m  
 21.0°C ☁ 11.9Kmh 64%

