ABSTRACT

Mahatma Gandhi National Rural Employment Guarantee Scheme – Announcement made by Hon'ble Minister (Rural Development) for the year 2021-22 – Construction of 10,000 Check Dams, 2,00,500 Soak Pits, 1,500 Individual Dug Wells and 500 Community Group Wells in Rural areas at a total estimated cost of Rs.922.75 Crore under Mahatma Gandhi National Rural Employment Guarantee Scheme during the financial year 2021-22 – Permission accorded – Orders – Issued.

RURAL DEVELOPMENT AND PANCHAYAT RAJ (CGS.1) DEPARTMENT

G.O.(Ms). No.143 **Dated: 07.12.2021**
பிலவ, கார்த்திகை 21
திருவள்ளுவர் ஆண்டு 2052

Read:

1. Announcement made by Hon'ble Minister for Rural Development on the floor of the Tamil Nadu Legislative Assembly on 24.08.2021.

2 From the Director of Rural Development and Panchayat Raj, Letter No.45325/2021/MGNREGS-I-1, Dated:05.09.2021.

ORDER:

The Hon'ble Minister for Rural Development has made the following Announcement on the floor of the Tamil Nadu Legislative Assembly on 24.08.2021:-

"காலநிலை மாற்றங்களை எதிர்கொள்ளக் கூடிய கிராமங்களை உருவாக்குதல் இன்றைய முக்கிய தேவையாகும். இந்நிலையை அடையும் விதமாக ஊரகப்பகுதிகளில் நிலத்தடிநீரை அதிகரிக்க 68 இலட்சம் மரக்கன்றுகள் நடுதல், 10,000 தடுப்பணைகள் கட்டுதல், வீடுகளிலிருந்து வெளியேறும் கழிவுநீரை தூய்மைப்படுத்தி நிலத்தடியில் செலுத்துவதற்காக 25,500 சமுதாய உறிஞ்சுக்குழிகள், 1,75,000 தனிநபர் உறிஞ்சுக்குழிகள் அமைத்தல் போன்ற பணிகள் 948.50 கோடி ரூபாய் மதிப்பீட்டிலும், நீர்பாசன தேவையை நிறைவேற்றுவதற்காக 500 சமுதாய கிணறுகளும், 1500 தனிநபர்

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கிணறுகளும் 200.50 கோடி ரூபாய் மதிப்பீட்டிலுமாக மொத்தம் 1,149 கோடி ரூபாய் மதிப்பீட்டில், நிலத்தடிநீரை அதிகரிக்கும் பணிகளும், நீர்பாசன பணிகளும் 2021–22 ஆம் ஆண்டில் மேற்கொள்ளப்படும். "

2. Based on the above announcement, the Director of Rural Development and Panchayat Raj has sent a proposal stating that, as per the Annual Master Circular 2020-21 of Mahatma Gandhi National Rural Employment Guarantee Act Para 7.3 "Works focusing on Agriculture and Allied Activities""under the list of Mahatma Gandhi National Rural Employment Guarantee Act works directly linked to Agriculture and allied activities and as per the Schedule-I of Mahatma Gandhi NREGA – '*Sl. No. I. Category A: Public Works Relating to Natural Resource Management: Water conservation and water harvesting structures to augment and improve groundwater like underground dykes, earthen dams, stop dams, Check Dams with special focus on recharging ground water including drinking water sources;*'" are permissible under Mahatma Gandhi National Rural Employment Guarantee Scheme. In the restructured list of permissible works issued by the Government of India, for Financial Year 2018-19, the Construction of Cement Concrete Check Dams have been listed in Sl. No.76. As per Para 7.2.1 and 7.9. 'Solid Waste Management (SWM) under MGNREGS', of the Annual Master Circular 2020-21, "*Paragraph 4(1) (iv) (i) of Schedule-I of the MGNREGA, provides for rural sanitation works under Rural Infrastructure Category, wherein solid and liquid waste management works (SLWM) may be undertaken amongst other listed works. Accordingly, works like construction of soak pits, village drains for disposal of grey water, stabilization ponds for treatment of grey water may be undertaken under MGNREGS as standalone works."* Further, as per restructured list of permissible works communicated by Government of India, Construction of Soak Pits for Individual and Community are one among the permissible works in Sl. No. 224 and 225 respectively, under the category "D" Assets".

3. The Mahatma Gandhi National Employment Guarantee Act "Paragraph 4(1) II Category-B: (i) permits the improving productivity of lands of households specified in Paragraph 5 through land development and by providing suitable infrastructure for irrigation including dug wells, farm ponds and other water harvesting structure. The Construction of Dug Well for Individuals and Community is a permissible activity as per Sl.No.110 and 111 of the list of permissible works under Mahatma Gandhi National Rural Employment Guarantee Act. In the "Permissible Works List" communicated by Ministry of Rural Development, Government of India, the construction of Check Dams, Soak Pits and Dug well are approved under Categories "A – NRM Works" "D – Rural Infrastructure" and "A & B– NRM works and Individual assets for vulnerable sections" respectively.

4. Therefore, the Director of Rural Development and Panchayat Raj, has proposed to undertake construction of 10,000 Check Dams in rural areas at a cost of Rs.497.00 Crore, construction of 2,00,500 Soak Pits in rural areas at a cost of Rs.228.10 Crore and construction of 500 Community Group wells and 1500 Individual Dug wells in rural areas at a cost of Rs.197.65 Crore during the financial year 2021-22

under Mahatma Gandhi National Rural Employment Guarantee Scheme will be taken up at a total cost of Rs.922.75 Crore.

5. The Director of Rural Development and Panchayat Raj has stated that the above works were approved by the Empowered Committee, Ministry of Rural Development, Government of India during the Empowered committee Meeting held on 12.02.2021. The Guidelines for Planning, selection and execution of above works during the year 2021-22 shall be followed as per the G.Os mentioned below:-

Sl. No.	Name of the Work	Guidelines G.O.
1	10,000 Check Dams	G.O.(Ms).No.419, Rural Development and Panchayat Raj (CGS.1) Department, dated:26.10.2018.
2	2,00,500 Soak Pits (25,500 Community Soak Pits + 1,75,000 Individual Soak Pits)	G.O.(Ms).No.124, Rural Development and Panchayat Raj (CGS.1) Department, Dated:12.09.2018.
3	2000 Dug Wells (1500 Individual Dug Wells + 500 Community Group Wells)	G.O.(Ms).No.157, Rural Development and Panchayat Raj (CGS.1) Department, Dated:29.10.2019.

The Government of India have notified the wage rate for the financial year 2021-22 as Rs.273/- per day in respect of Tamil Nadu.

Non-Negotiable Items:-

(1) Citizen Information Board shall be kept at the work site in 3 X 4 feet with all necessary information as per the framework given by the Government of India vide Ref No:k11023/1/1/2017 – MGNREGA (IV), MORD, Dated:07.04.2017. The cost of Citizen information Board will be fixed at Rs.4,500/- per unit for all community works and assets. For Individual Dug Wells, the Citizen Information Board with wall writing shall be painted on the wall and the cost of Citizen Information Board will be fixed at Rs.1000/- per unit.The cost of the Citizen information Board shall be included in the estimate itself.

(2) Estimate creation, Administrative sanction and Technical sanction shall be done in SECURE software.

(3) The Notified Wage Rate as per G.O. (Ms).No.60, Rural Development and Panchayat Raj (CGS.1) Department, Dated:15.04.2021 and the Rural Schedule of Rates finalised in G.O. (Ms).No.74, Rural Development and Panchayat Raj (CGS.1) Department, Dated:07.06.2021 shall be adopted. In case of any revision made in Rural Schedule of Rates in future, the same shall be adopted.

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6. The Director of Rural Development and Panchayat Raj has further stated that, in addition to the above said guidelines, the following shall also be adhered during the execution of works;

- Resolution should be obtained for in the Gram Sabha for all the selected works and it should be entered work wise in Register No.2 of Mahatma Gandhi National Rural Employment Guarantee Act of village panchayats concerned.

- Based on the site conditions and hydrological conditions, for ensuring stability in the cement concrete Check dams, steel reinforcement in Body wall, Abutment, Wing wall and Apron portion shall be provided so as to avoid structural failure.

Funding Pattern

The Labour cost is borne 100% by the Government of India and the material cost is shared at the ratio of 75:25 by the Government of India and the State Government.

Construction of 10,000 Check Dams

Construction of 10,000 Cement Concrete Check Dams at a total estimated cost of Rs.497.00 Crore during the year 2021-22 under Mahatma Gandhi National Rural Employment Guarantee Scheme out of which the Labour Component is Rs.54.82 Crore and Material Component is Rs.442.18 Crore with Labour Material ratio of 11.03:88.97.

(Rupees in Crore)

Description	Material Component (88.97%)			Labour Component (11.03%) (Central Share 100%)	Total
	Central Share (75%)	State Share (25%)	Total		
Cost of construction of 10,000 Cement Concrete Check dams 10,000 No's x Rs.4.97 Lakh = Rs.49700.00 Lakh (Rs.497.00 Crore)	331.64	110.54	442.18	54.82	497.00

Construction of 2,00,500 Soak Pits

The Labour and Material component details for construction of 1.75 Lakh No's of individual Household soak pits, 25,000 No's of Community Soak Pits (Type1) and

500 No's of community cluster soak pits (Type 2 - Horizontal filter - 100 No's and Type 3 - Vertical filter - 400 No's) are as below:-

(Rupees in Crore)

Sl. No	Description	Nos.	Unit Cost (in Rs.)	Total Cost (Rs. in Crore)	Labour Component (Rs. in Crore)	Material Component (Rs. in Crore)	Labour & Material Ratio
1	Individual Household Soak Pit	1,75,000	10800	189.00	28.67	160.33	15.17:84.83
2	Community Soak pit Type 1	25,000	13000	32.50	5.46	27.04	16.80:83.20
3	Community(Cluster/ Habitation)Type 2 (Horizontal Filter)	100	1,40,000	1.40	0.11	1.29	8.19:91.81
4	Community(Cluster/ Habitation)Type 3 (Vertical Filter)	400	1,30,000	5.20	0.78	4.42	14.91:85.09
Total		2,00,500		228.10	35.02	193.08	15.35:84.65

Digging of 1500 Individual Dug Wells and 500 Community Group Wells

The labour and material component details for construction of Individual well and Community well are as below:-

(Rupees in Crore)

Description	Material Component			Labour Component (Central Share 100%)	Grand Total	Labour Material Ratio
	Central Share (75%)	State Share (25%)	Total			
Cost of construction of Individual Dug Wells is Rs.8.58 lakh. The cost of construction of 1,500 Nos of Individual Dug Wells = 1,500x8.58 = Rs.128.70 crore	90.80	30.26	121.06	7.64	128.70	5.94:94.06
Cost of construction of Community well/Group Wells is Rs.13.79 lakh. The cost of construction of 500 Nos of Community Group Wells = 500x13.79 = Rs.68.95 crore	47.95	15.98	63.93	5.02	68.95	7.28:92.72
Total	**138.75**	**46.24**	**184.99**	**12.66**	**197.65**	

The Unit cost for the above works are tabulated based on the Standard Type design and Rural Schedule of Rate (RSoR) 2021-22. However, the actual estimate may

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vary according to the site condition and issue of Public Works Department (PWD) Schedule of Rate.

S. No.	Name of the Scheme	Total No. of works taken up	Allocation Amount (Rs. in crore)
01.	Construction of Check Dams	10,000	497.00
02.	Construction of Soak Pits	2,00,500	228.10
03.	Digging of 1500 Individual Dug Wells and 500 Community Group	2,000	197.65
			922.75

7. The Director of Rural Development and Panchayat Raj has therefore requested the Government to accord permission for construction of 10,000 Check Dams, 2,00,500 Soak Pits, 1,500 Individual Dug Wells and 500 Community Group Wells in Rural areas at a total estimated cost of Rs.922.75 Crore under Mahatma Gandhi National Rural Employment Guarantee Scheme during the financial year 2021-22.

8. The Government, after careful examination, have decided to accept the proposal of Director of Rural Development and Panchayat Raj and accord permission for construction of 10,000 Check Dams, 2,00,500 Soak Pits, 1,500 Individual Dug Wells and 500 Community Group Wells in Rural areas at a total estimated cost of Rs.922.75 Crore (Rupees Nine Hundred and Twenty Two Crore Seventy Five lakhs only) under Mahatma Gandhi National Rural Employment Guarantee Scheme during the financial year 2021-22, subject to the condition that the Financial Sanction shall be made only after receipt of Government of India share and the expenditure should be accommodated within the Annual Action Plan.

9. The Model Estimate for construction of Check Dams, Soak Pits, Individual Dug Wells and Community Group Wells are annexed from I to VII to this order.

10. This order is issued with the concurrence of Finance Department vide its U.O.No.54913/RD/2021, dated 03.12.2021.

(BY ORDER OF THE GOVERNOR)

P. AMUDHA,
PRINCIPAL SECRETARY TO GOVERNMENT

To
The Director of Rural Development and Panchayat Raj, Chennai-15.
All District Collectors (except Chennai District).
(through the DRD &PR, Chennai-15)

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All Project Directors, District Rural Development Agencies
(through the DRD & PR, Chennai-15).
The Accountant General, Chennai-18.

Copy to:

The Pay and Accounts Officer (South), Chennai-35.
The Finance (RD) Department, Chennai-9.
The Chief Minister's Office, Secretariat, Chennai-9.
The Senior Personal Assistant to Hon'ble Minister (Rural Development), Chennai-9.
The Principal Private Secretary to Principal Secretary to Government, Rural Development and Panchayat Raj Department, Chennai-9.
The National Informatics Centre, Secretariat, Chennai-9.
Stock file / Spare copy.

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Annexure - I

G.O.(Ms). No.143, Rural Development and Panchayat Raj (CGS.1) Department, dated 07.12.2021.

Model Estimate for Construction of Cement Concrete Checkdam under Mahatma Gandhi NREGS during 2021-22

Detailed Cum Abstract Estimate

Estimate Amount Rs. 497000

S.No	Description	Nos			L (m)	B (m)	D (m)	Qty	Amount (In Rs.)
1	Earth work Excavation for Foundation in all soils and Sub Soil to full depth as may be directed except in hard rock requiring blasting but inclusive of shoring strutting and requiring the sides of foundation.								
	Foundation First Depth								
	Body wall	1	x	2	3.00	1.50	0.30	2.70	
	Abutment	1	x	1	4.60	**1.60**	0.30	2.21	
	Wing wall(D/S)	1	x	2	6.20	**1.40**	0.30	5.21	
	Wing wall(U/S)	1	X	2	1.50	**1.45**	0.30	1.31	
	Apron end Core wall	2	x	1	4.80	0.60	0.30	1.73	
	Apron D/S	1	x	1	3.35	4.80	0.30	4.82	
	Rough Stone Packing	1	x	1	2.50	4.80	0.30	3.60	
	Trench for clay filling	1	x	1	4.80	1.30	0.30	1.87	
					Rs	**260.56**		**23.45**	**6109**
	Foundation Second Depth								
	Body wall	1	x	2	3.00	1.50	0.30	2.70	
	Abutment	1	x	1	4.60	**1.60**	0.30	2.21	
	Wing wall(D/S)	1	x	2	6.20	**1.40**	0.30	5.21	
	Wing wall(U/S)	1	x	2	1.50	**1.45**	0.30	1.31	
	Apron end Core wall	2	x	1	4.80	0.60	0.20	1.15	
	Apron D/s	1	x	1	3.55	5.90	0.30	6.28	
	Trench for clay filling	1	x	1	4.80	1.05	0.10	0.50	
					Rs	**321.64**		**19.36**	**6227**
	Foundation Third Depth								
	Body wall	1	x	2	3.00	1.50	0.40	3.60	
	Abutment	1	x	1	4.60	**1.60**	0.50	3.68	
	Wing wall(D/S)	1	x	2	6.20	**1.40**	0.50	8.68	
	Wing wall(U/S)	1	x	2	1.50	**1.45**	0.50	2.18	
	Apron end Core wall	1	x	1	4.80	0.60	0.20	0.58	
					Rs	**334.06**		**18.71**	**6251**

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S.No	Description	Nos			L (m)	B (m)	D (m)	Qty	Amount (In Rs.)
2	Supply and filling of coarse sand from approved quarry including cost and conveyance of all materials to site and all labour charges etc complete in the filter media over the layer of 20mm size of metal								
	Foundation								
	Body wall	1	x	2	3.00	1.50	0.20	1.80	
	Abutment	1	x	1	4.60	**1.60**	0.20	1.47	
	Wing wall(D/S)	1	x	2	6.20	**1.40**	0.20	3.47	
	Wing wall(U/S)	1	x	2	1.50	**1.45**	0.20	0.87	
					Rs.	**891.00**		**7.61**	**6784**
3	Cement concrete 1:4:8 mix using 40mm ISS metal including cost and conveyances of all materials to site and all labour charges for mixing,laying and curing etc complete								
	Foundation								
	Body wall	1	x	2	3.00	1.50	0.30	2.70	
	Abutment	1	x	1	4.60	**1.60**	0.30	2.21	
	Wing wall(D/S)	1	x	2	6.20	**1.40**	0.30	5.21	
	Wing wall(U/S)	1	x	2	1.50	**1.45**	0.30	1.31	
	Apron end Core wall	1	x	1	4.80	0.60	0.20	0.58	
					Rs.	**4123.59**		**12.00**	**49471**
4	Centering and Shuttering charges								
	Below GL								
	Body wall sides	2	x	2	3.00		0.50	6.00	
	Abutment sides	1	x	2	4.80		0.50	4.80	
	Wing wall sides(D/S)	2	x	2	6.20		0.50	12.40	
	Wing wall sides(U/S)	2	x	2	1.50		0.50	3.00	
	Face sides	2	x	2	1.10		0.50	2.20	
		2	x	2	1.20		0.50	2.40	
	Apron wall sides	2	x	1	4.80		0.60	5.76	
					Rs	**376.00**		**36.56**	**13747**
	Above GL								
	Body wall sides	2	x	2	3.00		2.00	24.00	
	Weir	1	x	2	5.00		1.00	10.00	
	Wing wall sides(D/S)	2	x	2	6.20		1.65	40.92	
	Wing wall sides(U/S)	2	x	2	1.50		1.80	10.80	
	Outer Face	2	x	2	0.68		1.30	3.54	
		2	x	2	0.73		1.60	4.68	
					Rs	**752.00**		**93.94**	**70643**

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S.No	Description	Nos			L (m)	B (m)	D (m)	Qty	Amount (In Rs.)
5	Cement Conrete 1:3:6 mix using 40 mm, 20mm & 10mm ISS metal including cost and conveyance of all materials to site and all labour charges for mixing laying and curing etc complete for 10 cum.								
	I st footing								
	Body wall	1	x	2	3.00	1.30	0.50	3.90	
	Weir	1	x	1	4.80	1.30	0.50	3.12	
	Wing wall(D/S)	1	x	2	4.00	1.05	0.50	4.20	
	Wing wall(U/S)	1	x	2	1.50	1.05	0.50	1.58	
	Apron end Core wall	1	x	1	4.80	0.30	0.60	0.86	
	Super Structure								
	Body wall	1	x	2	3.00	0.78	2.00	9.30	
	Weir	1	x	1	5.00	0.80	1.00	4.00	
	Wing wall(D/S)	1	x	2	4.00	0.73	1.65	9.64	
	Wing wall(U/S)	1	x	2	1.50	0.73	1.65	3.61	
					Rs.	**4441.81**		**40.21**	**178599**
6	Cement Conrete 1:3:6 mix using 20 mm ISS metal including cost and conveyance of all materials to site and all labour charges for mixing laying and curing etc complete for 10 cum.								
	Apron D/s	1	x	1	3.95	5.00	0.10	1.98	
	Cushion (Apron End)	1	X	1	5.00	0.30	0.10	0.15	
	Apron Flooring	1	X	1	4.70	4.35	0.30	6.13	
					Rs	**4796.41**		**8.26**	**39611**
7	Earthfilling using Clay soil in the upstream side for arresting the seepage of water below the Check Dam inclusive of all charges								
	Trench Filling(I depth)	1	x	1	4.80	1.30	0.30	1.87	
	Trench Filling(II depth)	1	x	1	4.60	1.05	0.10	0.48	
					Rs	**29.30**		**2.36**	**69**
8	Rough stone dry packing using revetment stones including cost and conveyance of all materials to site and all labour charges etc complete								
	Stone Packing	1	x	1	4.80	2.50	0.30	3.60	
	Stone Packing	1	x	1	4.80	0.60	0.80	2.30	
					Rs.	**2102.81**		**5.90**	**12415**

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S.No	Description	Nos			L (m)	B (m)	D (m)	Qty	Amount (In Rs.)
9	Supplying and Fabricating and placing in position MS steel or ribbed for steel for all reinforced cement concrete works as per the design given including cost of steel and binding wire in all floors etc, Complete complying with standard specification.								
	Surface Reinforcement for Bodywall 8mm dia @150 spacing bothways -	1	x	1	**0.09**	**MT**	68875.45	**Rs.**	**6199**
	For Apron	1	x	1	**0.12**	**MT**	68875.45	**Rs.**	**7921**
	For Abutment ,Wingwall	1	x	1	**0.15**	**MT**	68875.45	**Rs.**	**10331**
10	Provision for Citizen Information Board							**Ls**	**4500**
11	Provision for Photographic Charges							**Ls**	**1000**
12	Provision for GST (12%)							**Ls**	**48155**
13	Provision for Escalation Cost (7%)							**Ls**	**28090**
14	Contingencies & other unforeseen item							**Ls**	**878**
								Total	**497000**

P. AMUDHA
PRINCIPAL SECRETARY TO GOVERNMENT

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ANNEXURE-II

G.O.(Ms). No.143, Rural Development and Panchayat Raj (CGS.1) Department, dated 07.12.2021.

Model Estimate for Construction of Soak pits(for Individual House Holds) under Mahatma Gandhi NREGS during 2021-22

Detailed Cum Abstract Estimate

Estimate Rs. 10,800

Sl. No	Details of work	No	Measurements in m			Quantity	Rate per unit	Amount (in Rs.)
			L	B	D			
1	Earth work excavation and depositing on bank with initial lead and lift in hard gravelly soil as per SS20 B for foundation etc complete							
a	Upto 0.3m depth							
	Soak pit	1	1.2	1.2	0.3	0.43		
	Chamber	1	0.45	0.45	0.3	0.06		
	Platform	1	1.5	1.5	0.1	0.23		
						0.49		
			0.49	**Cum**	**at Rs.**	**260.56**	**Cum**	**128**
b	From 0.3m - 0.6m depth							
	Soak pit	1	1.2	1.2	0.3	0.43		
	Chamber	1	0.45	0.45	0.15	0.03		
						0.46		
			0.46	**Cum**	**at Rs.**	**321.64**	**Cum**	**148**
c	Above 0.60m depth							
	Soak pit	1	1.2	1.2	1.2	1.73		
						1.73		
			1.73	**Cum**	**at Rs.**	**334.06**	**Cum**	**578**
2	Cement concret 1:4:8 with 40mm HBG Metal etc. complete							
	Platform	1	1.5	1.5	0.1	0.23		
	Chamber	1	0.45	0.45	0.1	0.02		
						0.25		
		0.25	**Cum**		**at Rs.**	**4123.59**	**Cum**	**1031**
3	Brick work in cm 1:5 mix using country bricks etc. complete							

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	Platform Kerb wall	1	5.73	0.115	0.075	0.05		
	Chamber	1	1.48	0.115	0.35	0.06		
						0.11		
		0.11	**Cum**		**at Rs.**	**4948.44**	**Cum**	**544**
4	Filling the Soak pit with following materials as per specification							
a	225mm metal/Boulders	1	1.2	1.2	0.45	0.65		
						0.65		
			0.65	**Cum**	**at Rs.**	**686.05**	**Cum**	**446**
b	65 mm/63mm metal	1	1.2	1.2	0.45	0.65		
						0.65		
			0.65	**Cum**	**at Rs.**	**864.05**	**Cum**	**562**
c	20 mm metal	1	1.2	1.2	0.9	1.3		
	Deduct cement tank	-0.786	0.6	0.6	0.9	-0.25		
						1.05		
			1.05	**Cum**	**at Rs.**	**1706.05**	**Cum**	**1791**
5	Supply of 0.60m dia cement tank with top cover including cost etc							
	Cement tank	1				1 No		
			1	**No**	**at Rs.**	**1200**	**No**	**1200**
6	Filling of metal aggregate, in the soak pit including the labour charges etc.., complete							
	unskilled labour	1				1 No		
			1	**No**	**at Rs.**	**273**	**No**	**273**
7	Plastering with cement mortar 1:5 mix to 12mm thick includingincluding the cost and conveyance etc complete							
	Platform	1	1.5	1.5		2.25		
	Kerb wall alround	1	5.73		0.15	0.8595		
	Chamber	1	0.45	0.45		0.2025		
		1	1.8	0.35		0.63		
						3.94		
			3.94		**at Rs.**	**192.10**	**No**	**757**

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8	Supply of PVC pipes 50mm dia including necessary joints for inspection chamber to the soak pit etc..,							
	PVC pipes 50mm dia 4 Ksc	1	5			5		
			5	**m**	**at Rs.**	**55.10**	**RM**	**276**
9	Supplying and fixing PVC Rain water down fall pipes of following dia meter etc., cor							
	110mm dia PVC Rain water downfall Pipe	1	3			3		
			3	**m**	**at Rs.**	**476.71**	**RM**	**1430**
10	Photo Charges							**100**
11	GST 12%							**964**
12	Escalation charges 7%							**563**
13	Contingencies and Citizen information Board						LS	**9**
					TOTAL		**Rs.**	**10800**

** As per G.O.(Ms) No. 124, dated 12.09.2018, it is mentioned that for individual soak pits, one citizen information board shall be provided for one habitation/cluster.
Assuming, 50 soakpits per habitation/cluster are constructed, approximate cost to be included in the estimate will be Rs. 90/-, calculating for one community Citizen Information Board as Rs.4500/-.

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ANNEXURE- III

G.O.(Ms) No.143, Rural Development and Panchayat Raj (CGS.1) Department, dated 07.12.2021.

Model Estimate for Community Soak pit (for Public Fountain, Hand Pump, OHT etc.,) under Mahatma Gandhi NREGS during 2021-22

Abstract cum Detailed Estimate

							Estimate Amount:Rs.		13000
Sl.NO	Details of Work	No			L (m)	B (m)	D (m)	Quantity	Amount (in Rs.)
1	Earth work Excavation for Foundation in all soils and Sub Soil to full depth as may be directed except in hard rock requiring blasting but inclusive of shoring strutting and requiring the sides of foundation, etc., complete as per standard specifications								
a.	**Upto 0.30m depth**								
	Soak pit	1	X	1	1.5	1.5	0.3	0.68	
	Chamber	1	X	1	0.45	0.45	0.3	0.06	
	Washing Platform	1	x	1	1.5	1.5	0.1	0.23	
								0.96	
			0.96	m3 @ Rs.		**260.56**	/m3		**251**
b.	**From 0.30m to 0.60m depth**								
	Soak pit	1	X	1	1.5	1.5	0.3	0.68	
								0.68	
			0.68	m3 @ Rs.		**321.64**	/m3		**218**
c.	**From 0.60m depth**								
	Soak pit	1	X	1	1.5	1.5	1.2	2.70	
	Chamber	1	X	1	0.45	0.45	0.15	0.03	
								2.73	
			2.73	m3 @ Rs.		**334.06**	/m3		**913**
2	Filling the soak pit with following materials as per standard specifications								
a.	225 mm metal/Boulders	1	X	1	1.5	1.5	0.45	1.01	
								1.01	
			1.01	m3 @ Rs.		**686.05**	/m3		**695**
b.	65 mm metal/63mm metal	1	X	1	1.5	1.5	0.45	1.01	
								1.01	
			1.01	m3 @ Rs.		**864.05**	/m3		**875**
c.	20mm metal	1	X	1	1.5	1.5	0.9	2.03	
	deduct cement tank	1	X	-0.786	0.6	0.6	0.9	-0.25	
								1.77	
			1.77	m3 @ Rs.		**1706.05**	/m3		**3021**
3	Cement Concrete 1:4:8 mix using 40mm ISS metal including cost and conveyance of all materials to site and all labour charges etc., complete as per standard specifications								
	Platform	1	X	1	1.5	1.5	0.1	0.23	
								0.23	

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			0.23	m3 @ Rs.		**4123.59**	/m3		**949**
4	Brickwork in CM 1:5 mix using II class bricks of size 23 x 11.5 x 7.5 cm for the following including curing etc., complete as per standard specifications								
	Platform alround	1	X	1	5.73	0.115	0.075	0.05	
								0.05	
			0.05	m3 @ Rs.		**4948.44**	/m3		**248**
5	Plastering with cement mortar 1:5 mix to 12 mm thick including cost and conveyance of all materials to site and all labour charges etc., complete as per standard specifications								
	Platform side wall 2 sides	1	X	2	5.73		0.075	0.86	
	Platform top	1	X	1	1.5	1.5		2.25	
								3.11	
			3.11	m3 @ Rs.		**192.10**	/m3		**598**
6	Supply of 0.60m dia cement tank with top cover including cost etc., complete as per standard specifications								
	Cement tank						1 no		
			1	No	@	**1200.00**	No		**1200**
7	Supply of 0.45m x 0.45m x 0.45m size cement tank with cost etc., complete as per standard specifications								
	Cement tank						1 no		
			1	No	@	**500.00**	No		**500**
8	Supply of PVC pipes 50mm dia as per standard specifications								
	PVC pipes 50 mm dia 4 Ksc						10 no		
			10	No	@	**55.10**	No		**551**
9	Towards labour charges for filling metal into the pipe and fixing PVC pipe								
								LS	**273**
10	Citizen Information Board								**500**
11	Photo Charges								**100**
12	GST 12%								**1036**
13	Escalation charges 7%								**738**
14	Contingencies								**333**
								Rs.	**13000**

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ANNEXURE-IV

G.O.(Ms). No.143, Rural Development and Panchayat Raj (CGS.1) Department, dated 07.12.2021.

Model Estimate for Construction of Community Soak Pit - Type 2 (Horizontal Filter) under Mahatma Gandhi NREGS during 2021-22

ABSTRACT ESTIMATE

		Estimate Amount			Rs.	140,000
Sl. No.	Description of Work	Qty	Unit	Rate	Per	Amount
1	Earth work excavation in all clauses of soil with initial lead and lift except hard rock requiring blasting as per SS 20B for foundation etc., complete as per standard specifications					
	Earth work 0.00m to 0.30m Depth :-	6.00	cum	260.56	cum	1563
	Earth work 0.30m to 0.60m Depth :-	3.68	cum	321.64	cum	1184
	Earth work 0.60m Above Depth :-	0.79	cum	334.06	cum	264
2	Cement concrete 1:4:8 mix using 40mm ISS HBG metal including cost and conveyance of all materials and all labour charges etc., complete as per standard specifications	5.31	cum	4123.59	cum	21896
3	Cement concrete 1:2:4 mix using 20mm ISS HBG metal including cost and conveyance of all materials and all labour charges etc., complete as per standard specifications	7.31	cum	5432.85	cum	39714
4	Centering charges for all concrete works including cost and conveyance of all materials and all labour charges etc., complete as per standard specifications	42.81	cum	376.00	cum	16097
5	Brick work in cement mortar 1:5 mix using country bricks 83/4"x4 1/4"x2 3/4" and conveyance of all materials to site and all labour charges etc., complete as per standard specifications	0.78	cum	4948.44	cum	3860
6	Plastering with cement mortar 1:5 mix to 12mm thick including cost and conveyance of all materials to site and all labour charges etc., complete as per standard specifications	4.53	Sqm	192.10	Sqm	870
7	Supplying and filling with Filling sand from an approved quarry including all cost and conveyance materials and all labour charges etc., complete as per standard specifications	1.50	cum	891.00	cum	1337
8	Supplying and filling with 40mm metal from an approved quarry including all cost and conveyance materials and all labour charges etc., complete as per standard specifications	7.50	cum	1312.05	cum	9840
9	Supplying and filling with Red Gravel from an approved quarry including all cost and conveyance materials and all labour charges etc., complete as per standard specifications	1.50	cum	403.00	cum	605
10	Exterior Emulsion Paint two coats using with approved colour including cost and conveyance of all materials to site and all labour charges etc complete.	42.55	Sqm	190.55	Sqm	8108

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Sl. No.	Description of Work	Qty	Unit	Rate	Per	Amount
11	Supplying and Delivery of 180mm Dia 6Ksc PVC Pipe including cost and conveyance to the site and all labour charges for filling etc., complete as per standard specifications	2.45	m	489.00	m	1198
12	Supplying and Delivery of 63mm Dia 4Ksc PVC Pipe including cost and conveyance to the site and all labour charges for filling etc., complete as per standard specifications	6.40	m	79.80	m	511
13	Supplying and filling with Charcoal including all cost and conveyance materials and all labour charges etc., complete as per standard specifications		LS	200.00	LS	1000
14	Supply and fixing of MS Weld mesh including cost and conveyance to the site and all labour charges for filling etc., complete as per standard specifications		LS		LS	500
15	Provision for Conducting Lab. Test etc., complete.,				LS	5500
16	Provision for Citizen Information Board					4500
17	Provision for 12% GST				LS	13324
18	Provision for Escalation Charges 7%				LS	7773
19	Provision for Photographic charges				LS	300
20	Contingencies and other unforeseen items				LS	56
	TOTAL				**Rs.**	**140000**

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ANNEXURE-V

G.O.(Ms). No.143, Rural Development and Panchayat Raj (CGS.1) Department, dated 07.12.2021.

Model Estimate for Construction of Community Soak Pit - Type 3 (Vertical Filter) under Mahatma Gandhi NREGS during 2021-22						
ABSTRACT ESTIMATE						
			Estimate Amount			**130,000**
Sl. No.	**Description of Work**	**Qty**	**Unit**	**Rate**	**Per**	**Amount (In Rs.)**
1	Earth work excavation in all clauses of soil with initial lead and lift except hard rock requiring blasting as per SS 20B for foundation etc., complete.					
	Earth work 0.00m to 0.30m Depth :-	6.36	cum	260.56	cum	1657
	Earth work 0.30m to 0.60m Depth :-	6.36	cum	321.64	cum	2046
	Earth work 0.60m Above Depth :-	33.51	cum	334.06	cum	11194
2	Cement concrete 1:4:8 mix using 40mm ISS HBG metal including cost and conveyance of all materials and all labour charges etc., complete.	1.40	cum	4123.59	cum	5773
3	Cement concrete 1:2:4 mix using 20mm ISS HBG metal including cost and conveyance of all materials and all labour charges etc., complete.	0.14	cum	5432.85	cum	761
4	Brick work in cement mortar 1:5 mix using country bricks 83/4"x4 1/4"x2 3/4" and conveyance of all materials to site and all labour charges etc complete.	2.10	cum	4948.44	cum	10392
5	Plastering with cement mortar 1:5 mix to 12mm thick including cost and conveyance of all materials to site and all labour charges etc complete.	23.50	Sqm	192.10	Sqm	4514
6	Supplying and filling with Rough Stone to a Height of 0.75m from an approved quarry including all cost and conveyance materials and all labour charges etc., complete with Standared Specification.	8.91	cum	745.05	cum	6638
7	Supplying and filling with 40mm metal from an approved quarry including all cost and conveyance materials and all labour charges etc., complete with Standared Specification.	20.74	cum	1312.1	cum	27212
8	Supplying and filling with 20mm metal from an approved quarry including all cost and conveyance materials and all labour charges etc., complete with Standared Specification.	14.45	cum	1706.1	cum	24652
9	Supplying and filling with Char coal including all cost and conveyance materials and all labour charges etc., complete with Standared Specification.	0.19	cum	200	cum	38
10	Supplying and filling with 20mm Brick Jally from an approved quarry including all cost and conveyance materials and all labour charges etc., complete with Standared Specification.	0.19	cum	881.60	cum	168
11	Supplying and filling with Red Gravel from an approved quarry including all cost and conveyance materials and all labour charges etc., complete with Standared Specification.	0.19	cum	403.00	cum	77

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12	Exterior Emulsion Paint two coats using with approved colour including cost and conveyance of all materials to site and all labour charges etc complete.	15.54	Sqm	190.55	Sqm	2961
13	Supplying and Delivery of 180mm Dia 6Ksc PVC Pipe including cost and conveyance to the site and all labour charges for filling etc., complete.	5	m	489.00	m	2445
14	Supplying and Delivery of 1.00m Dia ring to a thick 0.05m including cost and conveyance to the site and all labour charges for fixing charges etc., complete.				LS	2000
15	Provision for Lab Test etc., complete.,				LS	5500
16	Provision for Citizen Information Board					4500
17	Provision for GST 12%				LS	10820
18	Provision for Escalation Cost 7%				LS	6312
19	Provision for Photographic charges				LS	300
20	Contingencies and other unforeseen items				LS	40
	TOTAL				**Rs.**	**130000**

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ANNEXURE - VI

G.O.(Ms). No.143, Rural Development and Panchayat Raj (CGS.1) Department, dated 07.12.2021.

Model Estimate for Construction of Dug Well(Individual) under Mahatma Gandhi NREGS

Detailed Cum Abstract Estimate during 2021-22

Estimate Amount: Rs. 858,000

Sl no	Details of work		Measurement				Content	Amount
		NO	L	B	D			
1. Earth work open well excavation complying with relevant classes of T.N.D.S.S well sinking and with lead upto 10m in **Hard Soil not requiring Blasting.**								
First Depth 0-2m								
First Depth 0-30m		0.79	6	6	0.3		8.532	
		8.532	cum @ RS	260.56	/cum			2223
First Depth 0.30-0.60m		0.79	6	6	0.3		8.532	
		8.532	cum @ RS	321.64	/cum			2744
First Depth 0-60-2.00m		0.79	6	6	1.4		39.816	
		39.816	cum @ RS	334.06	/cum			13301
2. Earth work open well excavation complying with relevant classes of T.N.D.S.S well sinking and with lead upto 10m in **SDR not requiring Blasting.**								
Second Depth2.00-4.00								
Second Depth2.00-3.00		0.79	4	4	1		12.64	
(499.99+15.5) = 515.49		12.64	cum @ RS	515.49	/cum			6516
Second Depth3.00-4.00		0.79	4	4	1		12.64	
(499.99+30.8) = 530.79		12.64	cum @ RS	530.79	/cum			6709
PWD Rate - 2018-19								
3. Earth work open well excavation complying with relevant classes of T.N.D.S.S well sinking and with lead upto 10m in **medium rock and dense medium rock not requiring Blasting.**								
Third Depth 4-6m		0.79	4	4	2		25.28	
		25.28	cum @ RS	623.40	/cum			15760
4. Earth work open well excavation complying with relevant classes of T.N.D.S.S well sinking and with lead upto 10m in **medium rock and dense medium rock not requiring Blasting.**								
Fourth Depth 6-8m		0.79	4	4	2		25.28	
		25.28	cum @ RS	831.20	/cum			21013
5. Earth work open well excavation complying with relevant classes of T.N.D.S.S well sinking and with lead upto 10m in **medium rock and dense medium rock not requiring Blasting.**								
Fifth Depth 8-10m		0.79	4	4	2		25.28	
		25.28	cum @ RS	1039.00	/cum			26266
6. Earth work open well excavation complying with relevant classes of T.N.D.S.S well sinking and with lead upto 10m in **medium rock and dense medium rock not requiring Blasting.**								
Sixth Depth 10-12.00		0.79	4	4	2		25.28	
		25.28	cum @ RS	1246.80	/cum			31519

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7. Earth work open well excavation complying with relevant classes of T.N.D.S.S well sinking and with lead upto 10m in **medium rock and dense medium rock not requiring Blasting.**								
12.00-14.00			0.79	4	4	2	25.28	
			25.28	cum @ RS	1662.40	/cum		**42025**
8. Earth work open well excavation complying with relevant classes of T.N.D.S.S well sinking and with lead upto 10m in **medium rock and dense medium rock not requiring Blasting.**								
14.00-16.00			0.79	4	4	2	25.28	
			25.28	cum @ RS	2078.00	/cum		**52532**
9. Earth work open well excavation complying with relevant classes of T.N.D.S.S well sinking and with lead upto 10m in **medium rock and dense medium rock requiring Blasting.**								
16.00-18.00			0.79	4	4	2	25.28	
			25.28	cum @ RS	3739.20	/cum		**94527**
10. Earth work open well excavation complying with relevant classes of T.N.D.S.S well sinking and with lead upto 10m in **hard rock requiring blasting.**								
18.00-20.00			0.79	4	4	2	25.28	
			25.28	cum @ RS	8533.00	/cum		**215714**
Steining Wall								
11. Centering for RCC Ring Beam - Towards centering charges inclusive of all material and labour charges etc., complete as per standard specification.								
Inner 4.00 m dia			1	12.56		0.3	3.77	
Outer 6.00 m dia			1	18.84		0.3	5.65	
							9.42	
			9.42	sqm @ RS	376.00	/sqm		**3542**
12. RCC Ring Beam - Reinforced Cement concrete 1:11/2:3 mix using 20mm HBG metal for foundation and basement etc. complete as per standard specification.								
			1	15.7	0.9	0.3	4.239	
			4.24	cum @ RS	7233.41	/cum		**30662**
13. Fabrication of steel for Ring Beam - Supplying and fabrication of steel including cost and conveyance of steel to site and all labour charges for straightening, cutting to length,bending to shape and tying in position and forming grills for all R.C.C works as per standard specification.								
			0.5	MT @ RS	68875.45	/MT		**34438**
14. RR Masonry in CM 1:4 for steining wall & Parapet wall including cost and conveyance of material and all other labour charges etc., complete as per standard specifications								
Steining wall-1.00m base width and 0.45m top width bottom C/L 5.00m top C/L 4.45m			1	14.85	0.725	1	10.76625	
			1	14.85	0.6	0.7	6.237	
Parapet wall		4.45m C/L	1	13.97	0.34	1	4.7498	
							21.75	
			21.75	cum @ RS	4479.74	/cum		**97448**

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15. Plastering with cement mortor 1:4 mix 20mm thickness including cost and conveyance of material and all other labour charges etc., complete as per standard specifications								
Parapet wall-Top			1	13.97	0.34	0	4.7498	
			4.7498	sqm @ RS	393.74	/sqm		1870
Platform Construction								
16. Earth work open well excavation complying with relevant classes of T.N.D.S.S well sinking and with lead upto 10m in **Hard Soil not requiring Blasting.**								
First Depth								
30m			0.79	6.67	0.3	0.3	0.474237	
							0.474237	
			0.47424	cum @ RS	260.56	/cum		124
17. Supplying and filling of good river sand including cost and conveyance of to site and all labour charges etc., complete as per standard specifications								
Plat Form			0.79	5.67	0.77	0.1	0.344906	
							0.344906	
			0.34491	cum @ RS	891.00	/cum		307
18. PCC 1:4:8 mix using 40mm ISS HBG Metal including cost and conveyance of to site and all labour charges etc., complete as per standard specifications								
alround			0.79	6.67	0.3	0.1	0.079	
Plat Form			0.79	5.67	0.77	0.1	0.079	
							0.158	
			0.158	cum @ RS	4123.59	/cum		652
19.Brick work Cm 1:5 mix using country bricks of size 83/4x 43/8 x23/4 including cost and conveyance of to site and all labour charges etc., complete as per standard specifications								
alround			0.79	6.67	0.23	0.4	0.484776	
							0.484776	
			0.48478	cum @ RS	5007.64	/cum		2428
20. PCC 1:2:4 mix using 20mm ISS HBG Metal including cost and conveyance of to site and all labour charges etc., complete as per standard specifications								
Plat Form			0.79	6.9	1	0.075	0.408825	
							0.408825	
			0.40883	cum @ RS	5432.85	/Sqm		2221
21. Plastering with cement mortor 1:5 mix 12mm thickness including cost and conveyance of material and all other labour charges etc., complete as per standard specifications								
Kerb wall side			0.79	6.9	0.45		2.45295	
							2.45295	
			2.45295	sqm @ RS	192.10	/sqm		471
22. Charges for Bailing out water							LS	5000
23. Provision for geophysical investigation charges							LS	3000
24. Provision for Name board								1000
					Sub Total Rs.			714012
25. GST 12%								85918
26. Escalation for SoR-7%								56133
27. Provision for Photo charges							LS	500
28. P.S Charges and contingencies etc.,							LS	1437
					Total Estimate Amount Rs.			**858000**

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ANNEXURE-VII

G.O.(Ms) No.143, Rural Development and Panchayat Raj (CGS.1) Department, dated 07.12.2021

	Model Estimate for Construction of Dug Well (Group well) under Mahatma Gandhi NREGS during 2021-22							
	DETAILED CUM ABSTRACT ESTIMATE							
					Estimate Amount: Rs.			**1,379,000**
Sl.No	**Details of work**		**Nos**	**Measurement**			**Qty**	**Amount (In Rs.)**
				L	**B**	**D**		
1		**2**	**3**	**4**	**5**	**6**	**7**	**8**
1	Earth work open well excavation complying with relevant classes of T.N.D.S.S well sinking and with lead upto 10m in Hard gravelly Soil							
	First Depth 0-2m							
	I st Depth 0-0.30m		0.785	7	7	0.3	11.54	
			11.54	cum @ RS	260.56	/cum		3006.73
	I st Depth 0.30-0.60m		0.785	7	7	0.3	11.54	
			11.5395	cum @ RS	321.64	/cum		3711.56
	I st Depth 0-60-2.00m		0.785	7	7	1.4	53.851	
			53.851	cum @ RS	334.06	/cum		17989.46
2	Earth work open well excavation complying with relevant classes of T.N.D.S.S well sinking and with lead upto 10m in **SDR not requiring Blasting.**							
	Second Depth2.00-4.00							
	II nd Depth2.00-3.00		0.785	7	7	1	38.465	
	(499.99+15.5) = 515.49		38.465	cum @ RS	515.49	/cum		19828.32
	II nd Depth3.00-4.00		0.785	7	7	1	38.465	
	(499.99+30.8) = 530.79		38.465	cum @ RS	530.79	/cum		20416.83
	PWD Rate - 2017-18							
3	Earth work open well excavation complying with relevant classes of T.N.D.S.S well sinking and with lead upto 10m in **medium rock and dense medium rock not requiring Blasting.**							
	III rd Depth 4..00-6.00		0.785	5	5	2	39.25	
			39.25	cum @ RS	623.40	/cum		24468.45
4	Earth work open well excavation complying with relevant classes of T.N.D.S.S well sinking and with lead upto 10m in **medium rock and dense medium rock not requiring Blasting.**							
	IVth Depth 6.00-8.00		0.785	5	5	2	39.25	
			39.25	cum @ RS	831.20	/cum		32624.6

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5	Earth work open well excavation complying with relevant classes of T.N.D.S.S well sinking and with lead upto 10m in **medium rock and dense medium rock not requiring Blasting**.								
	V th Depth 8.00-10.00			0.785	5	5	2	39.25	
				39.25	cum @ RS	1039.00	/cum		40780.75
6	Earth work open well excavation complying with relevant classes of T.N.D.S.S well sinking and with lead upto 10m in **medium rock and dense medium rock not requiring Blasting**.								
	VI th Depth 10.00-12.00			0.785	5	5	2	39.25	
				39.25	cum @ RS	1246.80	/cum		48936.9
7	Earth work open well excavation complying with relevant classes of T.N.D.S.S well sinking and with lead upto 10m in **medium rock and dense medium rock not requiring Blasting**.								
	VIII th Depth 12.00-14.00			0.785	5	5	2	39.25	
				39.25	cum @ RS	1662.40	/cum		65249.2
8	Earth work open well excavation complying with relevant classes of T.N.D.S.S well sinking and with lead upto 10m in **medium rock and dense medium rock not requiring Blasting**.								
	X th Depth 14.00-16.00			0.785	5	5	2	39.25	
				39.25	cum @ RS	2078.00	/cum		81561.5
9	Earth work open well excavation complying with relevant classes of T.N.D.S.S well sinking and with lead upto 10m in **medium rock and dense medium rock requiring Blasting**.								
	XII th Depth 16.00-18.00			0.785	5	5	2	39.25	
	(271x9th Depth)			39.25	cum @ RS	3739.20	/cum		146763.6
10	Earth work open well excavation complying with relevant classes of T.N.D.S.S well sinking and with lead upto 10m in **hard rock requiring blasting.**								
	XIV th Depth 18.00-20.00			0.785	5	5	2	39.25	
	(530x10th Depth)			39.25	cum @ RS	8533.00	/cum		334920.25
11	CC 1:4:8 mix using 40mm ISS HBG Metal including cost and conveyance of to site and all labour charges etc., complete as per standard specifications								
	C/L (6.50m Dia)			1	20.41	1	0.15	3.0615	
				3.0615	cum @ RS	4123.59	/cum		8981
12	Centering for RCC Ring Beam - Towards centering charges inclusive of all material and labour charges etc., complete as per standard specification.								
13	Inner 5.0 m dia			1	15.7		0.3	4.71	

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	Outer 7.0 m dia			1	21.98		0.3	6.594	
								11.304	
				11.304	sqm @ RS	376.00	/sqm		4250.304
14	RCC Ring Beam - Reinforced Cement concrete 1:11/2:3 mix using 20mm HBG metal for foundation and basement etc. complete as per standard specification.								
	C/L (6.50m Dia)			1	18.84	0.9	0.3	5.0868	
				5.0868	cum @ RS	7233.41	/cum		36794.91
15	Fabrication of steel for Ring Beam - Supplying and fabrication of steel including cost and conveyance of steel to site and all labour charges for straightening, cutting to length,bending to shape and tying in position and forming grills for all R.C.C works as per standard specification.								
				0.745	MT @ RS	68875.45	/MT		51312.21
16	RR Masonry in CM 1:4 for steining wall & Parapet wall including cost and conveyance of material and all other labour charges etc., complete as per standard specifications								
				1	19.154	0.725	1	13.89	
	Steining wall-1.00m base width and 0.45m top width bottom C/L 6.50m top C/L 5.95m (Average 6.23 dia)			1	19.15	0.6	0.7	8.04	
	Parapet wall		5.95m C/L	1	17.427	0.45	3	23.53	
								45.46	
				45.46	cum @ RS	4479.74	/cum		203631.5
17	Plastering with cement mortor 1:4 mix 20mm thickness including cost and conveyance of material and all other labour charges etc., complete								
	Parapet -Top (C/L 5.95m dia)			1	18.68	0.45	0	8.406	
				8.406	sqm @ RS	393.74	/sqm		3309.77844
18	Earth work open well excavation complying with relevant classes of T.N.D.S.S well sinking and with lead upto 10m in **Hard Soil not requiring Blasting.**								
	First Depth								
	First Depth 0-30m			0.785	8.17	0.3	0.3	0.5772	
	(6.40+1.00+1.00-0.23 = 8.17)							0.5772	
				0.57721	cum @ RS	260.56	/cum		150.39
19	Supplying and filling of good river sand including cost and conveyance to site and all labour charges etc., complete								
	Plat Form			0.785	7.17	0.77	0.1	0.4334	
	(6.40+0.77=7.17)							0.4334	
				0.43339	cum @ RS	891.00	/cum		242
20	PCC 1:4:8 mix using 40mm ISS HBG Metal including cost and conveyance of to site and all labour charges etc., complete								
	Kerb wall alround			0.785	8.17	0.3	0.1	0.1924	
	Plat Form			0.785	7.17	0.77	0.1	0.4334	

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								0.62	
				0.62	cum @ RS	4123.59	/cum		2556.62
21	Brick work Cm 1:5 mix using country bricks of size 83/4x 43/8 x23/4 including cost and conveyance of to site and all labour charges etc., complete								
	Kerb wall alround			0.785	8.17	0.23	0.4	0.59	
								0.59	
				0.59004	cum @ RS	5007.64	/cum		2954.69
22	PCC 1:2:4 mix using 20mm ISS HBG Metal including cost and conveyance of to site and all labour charges etc., complete								
	Plat Form			0.785	7.4	1	0.075	0.44	
	(6.40+1.00=7.40m)							0.44	
				0.44	cum @ RS	5432.85	/Sqm		1775
23	Plastering with cement mortor 1:5 mix 12mm thickness including cost and conveyance of material and all other labour charges etc., complete								
	Kerb wall side			0.785	8.4	0.45		2.97	
	(6.40+1.00+1.00=8.40 m)							2.97	
				2.97	sqm @ RS	192.10	/sqm		383
24	Charges for Bailing out water								5000
25	Geophysical investigation charges								3000
26	Provision for Name board								4500
								Sub Total Rs.	**1169100**
27	GST 12%								131940
28	Escalation charges 7%								76965
29	Provision for Photo charges								500
30	Contingencies								496
								Total Rs.	**1379000**

P. AMUDHA
PRINCIPAL SECRETARY TO GOVERNMENT

//True copy//

SECTION OFFICER.

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