

### **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:

- 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:-

கிராமங்களை "காலநிலை மாற்றங்களை எதிர்கொள்ளக் கூடிய 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 கிணறுகளும் 200.50 கோடி ரூபாப் மதிப்பீட்டிலுமாக மொத்தம் 1,149 கோடி ரூபாப் மதிப்பீட்டில், நிலத்தடிநீரை அதிகரிக்கும் பணிகளும், நீர்பாசன பணிகளும் 2021–22 ஆம் ஆண்டில் மேற்கொள்ளப்படும். "

- 2. Based on the above announcement, the Director of Rural Development and Panchavat Rai 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 - 'SI. 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 SI.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:-

SI. 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:-

- work Information Board shall be kept at the (1) Citizen 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.

- 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)

	Mater	ial Compo (88.97%)	onent	Labour	
Description	Central Share (75%)	State Share (25%)	Total	Component (11.03%) (Central Share 100%)	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)

SI. 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)

	Materi	al Compo	nent	Labour		Labour
Description	Central Share (75%)	State Share (25%)	Total	Component (Central Share 100%)	Grand Total	Material Ratio
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

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)

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.

//FORWARDED BY ORDER//

SECTION OFFICER.

### 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**

Rs. 497000 **Estimate Amount** Amount (In S.N D (m) Qty Description Nos L (m) B (m) Rs.) 0 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 0.30 2.70 2 1.50 1 3.00 X Body wall 0.30 2.21 1 1 4.60 1.60 X Abutment 1.40 0.30 5.21 2 6.20 1 X Wing wall(D/S) 1.45 0.30 1.31 2 1.50 1 X Wing wall(U/S) 1.73 0.30 2 1 4.80 0.60 x Apron end Core wall 4.82 1 1 3.35 4.80 0.30 X Apron D/S 2.50 4.80 0.30 3.60 1 1 X Rough Stone Packing 1.30 0.30 1.87 4.80 1 X 1 Trench for clay filling 23.45 260.56 Rs 6109 Foundation Second Depth 2 1.50 0.30 2.70 1 3.00 X Body wall 1.60 0.30 2.21 1 X 1 4.60 Abutment 0.30 5.21 1 2 6.20 1.40 X Wing wall(D/S) 2 1.45 0.30 1.31 1 1.50 X Wing wall(U/S) 2 0.60 0.20 1.15 X 1 4.80 Apron end Core wall 3.55 5.90 0.30 6.28 1 1 X Apron D/s 4.80 1.05 0.10 0.50 1 1 X Trench for clay filling 321.64 19.36 Rs 6227 Foundation Third Depth 2 0.40 3.60 1 3.00 1.50 X Body wall 1 X 1 4.60 1.60 0.50 3.68 Abutment 2 0.50 8.68 1 6.20 1.40 X Wing wall(D/S) 1 2 1.50 1.45 0.50 2.18 X Wing wall(U/S) 1 1 4.80 0.60 0.20 0.58 X Apron end Core wall 18.71 334.06 Rs 6251

S.N o	Description		Nos		L (m)	B (m)	D (m)	Qty	Amount (In Rs.)
2	Supply and filling of coarse and all labour charges etc.							terials to site	a 8
	Foundation								
	Body wall	1	х	2	3.00	1.50	0.20	1.80	
	Abutment	1	×	1	4.60	1.60	0.20	1.47	
	Wing wall(D/S)	1	х	2	6.20	1.40	0.20	3.47	
	Wing wall(U/S)	1	х	2	1.50	1.45	0.20	0.87	
	Tring train(o.c)				Rs.	891.00		7.61	6784
3	Cement concrete 1:4:8 mix all labour charges for mixing					t and conveyance	es of all materi	als to site and	
	Foundation	+-			2.00	4.50		2.70	
	Body wall	1	X	2	3.00	1.50	0.30	2.70	
-	Abutment	1	Х	1	4.60	1.60	0.30	2.21	
	Wing wall(D/S)	1	х	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	×	1	4.80	0.60	0.20	0.58	,
					Rs.	4123.59		12.00	4947
4	Centering and Shuttering ch	narges							
	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	13
	Apron wall sides	2	x	1	4.80		0.60	5.76	
	•				Rs	376.00		36.56	13747
	Above GL								
	Body wall sides	2	х	2	3.00	7	2.00	24.00	
	Weir	1	х	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	х	2	1.50		1.80	10.80	
	Outer Face	2	х	2	0.68		1.30	3.54	
	E 177. A 7. T. T.	2	х	2	0.73		1.60	4.68	(a)
_		+	_	-	Rs	752.00		93.94	

s.N o	Description		Nos		L (m)	B (m)	D (m)	Qty	Amount (In Rs.)
5	Cement Conrete 1:3:6 mix umaterials to site and all labo	using 40 i	mm, 2 es for	20mm 8 mixing	k 10mm ISS me laying and curi	etal including cost	and conveyar or 10 cum.	nce of all	
	l 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	х	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	х	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.	х	1	5.00	0.80	1.00	4.00	
	Wing wall(D/S)	1	х	2	4.00	0.73	1.65	9.64	
_		-1	х	2	1.50	0.73	1.65	3.61	
	Wing wall(U/S)	1	^	- 1					
-	Wing wall(U/S)				Rs.	4441.81		40.21	17859
6	Cement Conrete 1:3:6 mix of all labour charges for mixing	using 20	mm I	SS met	al including cos	t and conveyance	e of all materia		17859
6	Cement Conrete 1:3:6 mix u all labour charges for mixing Apron D/s	using 20 g laying a	mm I	SS met	al including cos	t and conveyance		ls to site and	17859
6	Cement Conrete 1:3:6 mix until all labour charges for mixing Apron D/s Cushion (Apron End)	using 20 g laying a	mm IS	SS met	al including cos c complete for 1 3.95	t and conveyance 0 cum.	0.10	ls to site and	17859
6	Cement Conrete 1:3:6 mix u all labour charges for mixing Apron D/s	using 20 g laying a	mm II	SS meturing etc	al including cos c complete for 1 3.95 5.00	t and conveyance 0 cum. 5.00	0.10	1.98 0.15	
7	Cement Conrete 1:3:6 mix until all labour charges for mixing Apron D/s Cushion (Apron End)	using 20 g laying a 1 1 1	mm IS	SS meturing etc	al including costs complete for 1 3.95 5.00 4.70 Rs	t and conveyance 0 cum. 5.00 0.30 4.35 4796.41	0.10 0.10 0.30	1.98 0.15 6.13 <b>8.26</b>	
	Cement Conrete 1:3:6 mix usuall labour charges for mixing Apron D/s Cushion (Apron End) Apron Flooring Earthfilling using Clay soil in	using 20 g laying a 1 1 1	mm IS	SS meturing etc	al including costs complete for 1 3.95 5.00 4.70 Rs	t and conveyance 0 cum. 5.00 0.30 4.35 4796.41	0.10 0.10 0.30	1.98 0.15 6.13 <b>8.26</b>	
	Cement Conrete 1:3:6 mix of all labour charges for mixing Apron D/s  Cushion (Apron End)  Apron Flooring  Earthfilling using Clay soil in inclusive of all charges  Trench Filling(I depth)	using 20 g laying a 1 1 1 1	mm III	SS meturing etc	al including costs complete for 1 3.95 5.00 4.70 Rs	t and conveyance 0 cum. 5.00 0.30 4.35 4796.41	0.10 0.10 0.30	1.98 0.15 6.13 8.26	
	Cement Conrete 1:3:6 mix usuall labour charges for mixing Apron D/s Cushion (Apron End) Apron Flooring Earthfilling using Clay soil in inclusive of all charges	using 20 g laying a 1 1 1 1 1	mm III	SS meturing etc  1  1  1  side fo	al including costs complete for 1 3.95 5.00 4.70 Rs or arresting the	t and conveyance 0 cum.  5.00  0.30  4.35  4796.41  seepage of water	0.10 0.30 below the Che	1.98 0.15 6.13 8.26 eck Dam	3961
	Cement Conrete 1:3:6 mix of all labour charges for mixing Apron D/s  Cushion (Apron End)  Apron Flooring  Earthfilling using Clay soil in inclusive of all charges  Trench Filling(I depth)	using 20 g laying a 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	mm III	SS meturing etc  1  1  1  side fo	al including costs complete for 1 3.95 5.00 4.70 Rs or arresting the 4.80 4.60 Rs	t and conveyance 0 cum.  5.00  0.30  4.35  4796.41  seepage of water  1.30  1.05  29.30	0.10 0.30 below the Che 0.30 0.10	1.98 0.15 6.13 8.26 eck Dam 1.87 0.48 2.36	3961
7	Cement Conrete 1:3:6 mix usuall labour charges for mixing Apron D/s Cushion (Apron End) Apron Flooring Earthfilling using Clay soil in inclusive of all charges Trench Filling(I depth) Trench Filling(II depth) Rough stone dry packing using using Claysoil in inclusive of all charges	using 20 g laying a 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	mm III	SS meturing etc  1  1  1  side fo	al including costs complete for 1 3.95 5.00 4.70 Rs or arresting the 4.80 4.60 Rs	t and conveyance 0 cum.  5.00  0.30  4.35  4796.41  seepage of water  1.30  1.05  29.30	0.10 0.30 below the Che 0.30 0.10	1.98 0.15 6.13 8.26 eck Dam 1.87 0.48 2.36	3961:
7	Cement Conrete 1:3:6 mix of all labour charges for mixing Apron D/s  Cushion (Apron End)  Apron Flooring  Earthfilling using Clay soil in inclusive of all charges  Trench Filling(I depth)  Trench Filling(II depth)  Rough stone dry packing us labour charges etc complete	using 20 g laying a 1 1 1 1 1 1 1 sing reveree	mm III	SS meturing etc  1  1  1  side fc	al including cost complete for 1 3.95 5.00 4.70 Rs or arresting the 4.80 4.60 Rs	t and conveyance 0 cum.  5.00  0.30  4.35  4796.41  seepage of water  1.30  1.05  29.30  and conveyance of the conveyanc	0.10 0.30 below the Chr 0.30 0.10 of all materials	1.98 0.15 6.13 8.26 eck Dam 1.87 0.48 2.36 sto site and all	3961:

S.N o	Description		Nos		L (m)	B (m)	D (m)	Qty	Amount (In Rs.)
9	Supplying and Fabricating and concrete works as per the design complying with standard specific	gn giv	en in					WAR TO A ST.	
	Surface Reinforcement for Bodywall 8mm dia @150 spacing bothways -	1	x	1	0.09	МТ	68875.45	Rs.	6199
	For Apron	1	х	1	0.12	мт	68875.45	Rs.	7921
	For Abutment ,Wingwall	1	x	1	0.15	МТ	68875.45	Rs.	10331
10	Provision for Citizen Information	n Boa	ırd		-4	with the	elscaring.	Ls	4500
11	Provision for Photographic Cha	rges	*					Ls	1000
12	Provision for GST (12%)							Ls	48155
13	Provision for Escalation Cost (7	'%)						Ls	28090
14	Contingencies & other unforese	en ite	em			î		Ls	878
				T.				Total	497000

P. AMUDHA PRINCIPAL SECRETARY TO GOVERNMENT

//True copy//

SECTION OFFICER.

### 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

SI.			Meas	urements	in m	Quantitu	Rate per	Amount
No	Details of work	No -	L	В	D	Quantity	unit	(in Rs.)
1	Earth work excavation lift in hard gravelly soi	and depos as per SS2	iting on ban 20 B for fou	k with initia ndation etc	l lead and complete		-	
1	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		
	4					0.49		
	1		0.49	Cum	at Rs.	260.56	Cum	12
)	From 0.3m - 0.6m dep	oth						
	Soak pit	1	1.2	1.2	0.3	0.43		
	Chamber	1	0.45	0.45	0.15	0.03		
	(9)					0.46		
			0.46	Cum	at Rs.	321.64	Cum	14
:	Above 0.60m depth			2				
	Soak pit	1	1.2	1.2	1.2	1.73		
						1.73		
			1.73	Cum	at Rs.	334.06	Cum	57
2	Cement concret 1:4:8	with 40mm	HBG Meta	l etc. comp	lete			
	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	103
3	Brick work in cm 1:5 r	nix using co	untry bricks	etc. compl	ete			

_								
	Platform Kerb wall	1	5.73	0.115	0.075	0.05		
Ī	V set	1	1.48	0.115	0.35	0.06		
	Chamber	'	1.40	0.710		0.11	-	4
		0.11	Cum		at Rs.	4948.44	Cum	544
	Filling the Soak pit wit	h following	materials as	per specific	cation			
	225mm metal/Boulders	1	1.2	1.2	0.45	0.65		
						0.65		
			0.65	Cum	at Rs.	686.05	Cum	446
	65 mm/63mm metal	1	-		0.45	0.65	y .	
						0.65		
			0.65	Cum	at Rs.	864.05	Cum	562
	20 mm metal		1.2	1.2	0.9	1.3		
						0.25		
_	Deduct cement tank	-0.786	0.6	0.6	0.9	-0.25 1.05		
-			1.05	Cum	at Rs.	1706.05		1791
	Supply of 0.60m dia	cement tar			g cost etc		7-9-1	
	5					1 No		
	Cement tank		1	I No	at Rs.	1200	No	120
_	Filling of metal aggre	gate, in th						
_	6 complete	-				1 No.		
	unskilled labour		1	I No	at Ps	1 No	3 No	27
	unskilled labour	ent mortar	•	1 No 2mm thick	at Rs.	27:	3 No	27
	unskilled labour	ent mortar complete	1:5 mix to 1	2mm thick	includingincl	273 uding the cost		27
	unskilled labour	ent mortar complete	•	2mm thick	includingincl	27:		27
	unskilled labour  Plastering with ceme and conveyance etc	ent mortar complete	1:5 mix to 1	2mm thick	includingincl	uding the cost	5	27
	Plastering with ceme and conveyance etc	ent mortar complete	1:5 mix to 1:	2mm thick 5 1.5	includingincl	uding the cost	5	27
	Plastering with ceme and conveyance etc  Platform  Kerb wall alround	ent mortar complete	1:5 mix to 1:1 1 1.5 1 5.75	2mm thick 5 1.5 3 5 0.45	5 0.15	273 uding the cost 2.24 0.859	5	27
	Plastering with ceme and conveyance etc  Platform  Kerb wall alround	ent mortar complete	1:5 mix to 1:1 1 5.7:1 0.4	2mm thick 5 1.5 3 5 0.45	5 0.15	273 uding the cost  2.23 0.859	5 5 5 3	27

8	Supply of PVC pipes 50m to the soak pit etc,						
	PVC pipes 50mm dia 4 Ksc	1	5		5		
			5 m	at Rs.	55.10	RM	27
9	Supplying and fixing PVC	Rain water	down fall pipe	s of following dia	meter etc., cor		
	110mm dia PVC Rain water downfall Pipe	1	3		3		
			3 m	at Rs.	476.71	RM	143
10	Photo Charges						10
11	GST 12%						96
12	Escalation charges 7%						56
13	Contingencies and Citize	n informatio	n Board			LS	
- 1				то	TAL	Rs.	1080

<sup>\*\*</sup> 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/-.

P. AMUDHA
PRINCIPAL SECRETARY TO GOVERNMENT

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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

		A	bstrac	t cum	Detailed	d Estimate			
						Esti	mate An	nount:Rs. 1	
SI.NO	Details of Work		No		L (m)	B (m)	D (m)	Quantity	Amoun (in Rs.
1	Earth work Excavation for For except in hard rock requiring of foundation, etc., complete	blast	ing but	inclusive	of shorin	g strutting a			III KS.
a.	Upto 0.30m depth								
	Soak pit	1	Х	1	1.5	1.5	0.3	0.68	
	Chamber	1	Х	1	0.45	0.45	0.3	0.06	
	Washing Platform	1	х	1	1.5	1.5	0.1	0.23	
								0.96	
			0.96	m3 @ R	s.	260.56	/m3		251
b.	From 0.30m to 0.60m dept	h							
	Soak pit	1	Х	1	1.5	1.5	0.3	0.68	
								0.68	
			0.68	m3 @ R	s.	321.64	. /m3		218
c.	From 0.60m depth								
	Soak pit	1	_ X	1	1.5	1.5	1.2	2.70	
	Chamber	1	Х	1	0.45	0.45	0.15	0.03	
						10.00		2.73	
			2.73	m3 @ R	s.	334.06	/m3		913
2	Filling the soak pit with follow	wing r	nateria	s as per	standard	specification	ns		16
a.	225 mm metal/Boulders	1	Х	1	1.5	1.5	0.45	1.01	
		100			, , , , , , , , , , , , , , , , , , ,			1.01	
			1.01	m3 @ R	S.	686.05	/m3		695
b.	65 mm metal/63mm metal	1	Х	1	1.5	1.5	0.45	1.01	
10.000		10.54			11.0			1.01	
			1.01	m3 @ R	S.	864.05	/m3		875
C.	20mm metal	1	X	1	1.5	1.5	0.9	2.03	
omal)	deduct cement tank	1	X	-0.786	0.6	0.6	0.9	-0.25	
			-	200	5,5	5.5	0.0	1.77	
			1 77	m3 @ R	q	1706.05	/m3	1.77	3021
	Cement Concrete 1:4:8 mix to materials to site and all labour		40mm	SS meta	l including	g cost and co	onveyance		5021
	Platform	1	Х	1	1.5	1.5	0.1	0.23	
•	20 (444013.7500037)	1,9//	500		7.5%			0.23	

	English Assett		0.23	m3 @ R	S.	4123.59	/m3		949
4	Brickwork in CM 1:5 mix using including curing etc., complete						or the follow	wing	
	Platform alround	1	Х	1	5.73	0.115	0.075	0.05	
								0.05	
			0.05	m3 @ R	S.	4948.44	/m3		248
5	Plastering with cement mortal materials to site and all labour	1:5 r cha	mix to	12 mm th	ick includ	ding cost and er standard s	conveyand specification	e of all	
	Platform side wall 2 sides	1	Х	2	5.73		0.075	0.86	
	Platform top	1	Х	1	1.5	1.5		2.25	
								3.11	
77	9		3.11	m3 @ R	S.	192.10	/m3		598
6	Supply of 0.60m dia cement t specifications	ank	with top	cover in	cluding c	ost etc., com	nplete as pe	er standard	
	Cement tank						1 no		
			1	No	@	1200.00	No		1200
7	Supply of 0.45m x 0.45m x 0. specifications	45m	size ce	ement tar	k with co	est etc., comp	olete as per	standard	
	Cement tank						1 no		
			1	No	@	500.00	No		500
8	Supply of PVC pipes 50mm of	lia a	s per st	andard s	pecification	ons			
	PVC pipes 50 mm dia 4 Ksc						10 no		
			10	No	@	55.10	No		551
9	Towards labour charges for f	illing	metal i	nto the p	ipe and fi	xing PVC pip	е		
						- 64-		LS	273
10	Citizen Information Board		1						500
11	Photo Charges								100
12	GST 12%		12.12			A TAX			1036
13	Escalation charges 7%								738
14	Contingencies								333
								Rs.	13000

P. AMUDHA
PRINCIPAL SECRETARY TO GOVERNMENT.

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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	Amo	unt	Rs.	140,000
SI. 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	156
	Earth work 0.30m to 0.60m Depth :-	3.68		321.64		118
	Earth work 0.60m Above Depth :-	0.79	cum	334.06	cum	26
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	2189
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	3971
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	1609
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	386
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	87
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	133
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	984
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	60
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	810

SI. 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

P. AMUDHA, PRINCIPAL SECRETARY TO GOVERNMENT.

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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 130,000 **Estimate Amount** Amount SI. Per Unit Rate Qty Description of Work (In Rs.) No. 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. 6.36 cum 260.56 cum 1657 Earth work 0.00m to 0.30m Depth :-2046 321.64 cum 6.36 cum Earth work 0.30m to 0.60m Depth :-11194 33.51 cum 334.06 cum Earth work 0.60m Above Depth :-Cement concrete 1:4:8 mix using 40mm ISS HBG 2 metal including cost and conveyance of all materials and all labour charges etc., complete. 4123.59 cum 5773 1.40 cum Cement concrete 1:2:4 mix using 20mm ISS HBG 3 metal including cost and conveyance of all 5432.85 cum 761 0.14 cum materials and all labour charges etc., complete. 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 10392 2.10 cum 4948.44 cum complete. Plastering with cement mortar 1:5 mix to 12mm thick including cost and conveyance of all materials to site and all labour charges etc 23.50 Sqm 192.10 Sqm 4514 complete. Supplying and filling with Rough Stone to a Height of 0.75m from an approved quarry including all 6 cost and conveyance materials and all labour charges etc., complete with Standared 745.05 cum 6638 Specification. 8.91 cum Supplying and filling with 40mm metal from an approved quarry including all cost and conveyance materials and all labour charges etc., complete 1312.1 cum 27212 20.74 cum with Standared Specification. Supplying and filling with 20mm metal from an approved quarry including all cost and conveyance materials and all labour charges etc., complete 14.45 cum 1706.1 cum 24652 with Standared Specification. Supplying and filling with Char coal including all cost and conveyance materials and all labour charges etc., complete with Standared 38 0.19 cum 200 cum Specification. Supplying and filling with 20mm Brick Jally from an approved quarry including all cost and conveyance materials and all labour charges etc., 0.19 cum 881.60 cum 168 complete with Standared Specification. 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

	TOTAL				Rs.	130000
20	Contingencies and other unforeseen items				LS	40
19	Provision for Photographic charges				LS	300
18	Provision for Escalation Cost 7%				LS	6312
17	Provision for GST 12%				LS	10820
16	Provision for Citizen Information Board					4500
15	Provision for Lab Test etc., complete.,				LS	5500
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
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
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

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SECTION OFFICER.

### 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

SI no [	Details of work		Measurement			Content	Amount
		NO	L	В	D		
1. Earth work	open well excava	tion complying with rel	evant classes of 7	r.N.D.S.S well	sinking and	with lead	
upto 10m in	Hard Soil not i	equiring Blasting					
	A 1						
First Depth 0	J-2m						-
First Depth	0-			100			
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	
0.30-0.6011	<del>-   -  </del>		cum @ RS	321.64		0.552	274
		8.532	cum @ KS	321.04	/cum		214
First Depth	0-			_		20.016	
60-2.00m		0.79		6	1.4	39.816	0.000070000
		39.816	cum @ RS	334.06	/cum		1330
2. Earth work	open well excava	tion complying with rel	evant classes of	T.N.D.S.S well	sinking and	with lead	29
upto 10m in	SDR not requir	ring Blasting.					
	1000 100	- Innie					
Second Dept	h2.00-4.00						
Cocord							
Second Depth2.00-				-			
U - Se <sup>3</sup> /Su		0.79	4	4	1	12.64	
3.00		0.79	- 4	- 4	-	12.04	
(499.99+15	5.5		0.50	F4F 40	,		
) = 515.49		12.64	cum @ RS	515.49	/cum		6516
Second							
Depth3.00-							
4.00		0.79	4	4	1	12.64	
		0.73		-		12.01	
(499.99+30	).8	12.64		520.70			6700
) = 530.79		12.64	cum @ RS	530.79	/cum		6709
PWD Rate - 2	2018-19						
					Constitution of the constitution	100 mentender (100 me	
		tion complying with re				with lead	1
upto 10m in r	nedium rock a	nd dense medium	rock not requ	iring Blast	ng.		
<b>TI. 15</b>							
Third Depth	41	0.70				25.20	
6m		0.79		623.40	2	25.28	
			cum @ RS		,		15760
<ol><li>Earth work</li></ol>	open well excava	tion complying with re	evant classes of	Γ.N.D.S.S well	sinking and	with lead	
upto 10m in I	nedium rock a	nd dense medium	rock not requ	iiring Blasti	ng.		
Fourth Dept	th I						
6-8m		0.79	4	4	2	25.28	
		25.28	cum @ RS	831.20	/cum		21013
	100					N ESSENCION CON	
		tion complying with rel				with lead	
		nd dense medium		uiring Blast			
upto 10m in r	medium rock a		4	4	2	25.28	
upto 10m in r		0.79					1
upto 10m in r		0.79		1000 55	,		
upto 10m in r		0.79	cum @ RS	1039.00	/cum		26266
		0.79		1039.00	/cum		26266
upto 10m in r Fifth Depth 8	3-10m	25.28	cum @ RS				26260
upto 10m in r Fifth Depth 8	3-10m • open well excava	25.28	cum @ RS	Γ.N.D.S.S well	sinking and	with lead	26266
upto 10m in r Fifth Depth 8 6. Earth work upto 10m in r	3-10m c open well excava	25.28	cum @ RS	Γ.N.D.S.S well	sinking and	I with lead	26266
upto 10m in r Fifth Depth 8 6. Earth work upto 10m in r Sixth Depth	3-10m c open well excava	25.28 tion complying with reind dense medium	cum @ RS	Γ.N.D.S.S well	sinking and		
upto 10m in r Fifth Depth 8 6. Earth work upto 10m in r	3-10m c open well excava	0.79 25.28 tion complying with rel nd dense medium 0.79	cum @ RS evant classes of a rock not req	Γ.N.D.S.S well uiring Blast	sinking and ing.	with lead	
upto 10m in r Fifth Depth 8 6. Earth work upto 10m in r Sixth Depth	3-10m c open well excava	0.79 25.28 tion complying with rel nd dense medium 0.79	cum @ RS	Γ.N.D.S.S well	sinking and ing.		

		0.79	4	4	2	25.28	
12.00-14.00			cum @ RS	1662.40		25.20	42025
						ith tond	
3. Earth work open well upto 10m in <b>medium</b>	excavation complyin	g with reli <b>nedium</b>	evant classes of 1.1 rock not requi	n.D.S.S well ring Blasti	sinking and v	vitn lead	
14.00-16.00		0.79		4	2	25.28	
		25.28	cum @ RS	2078.00	/cum		52532
9. Earth work open well	everyation complyin	a with rel	evant classes of T	N D S S well	sinking and v	vith lead	
upto 10m in <b>medium</b>	rock and dense	nedium	rock requiring	Blasting.	Siliking and v	viuricad	
16.00-18.00		0.79	4	4	2	25.28	
		25.28	cum @ RS	3739.20	/cum		9452
10. Earth work open we upto 10m in <b>hard roc</b>			elevant classes of T	.N.D.S.S we	II sinking and	with lead	
18.00-20.00	. requiring blase	0.79	4	4	2	25.28	_
10.00 20.00			cum @ RS	8533.00			21571
Steining Wall							
<ol> <li>Centering for RCC I etc., complete as per st</li> </ol>			ng charges inclusiv	e of all mate	rial and labou	r charges	
Inner 4.00 m		190			200		
dia Outer 6.00 m		1	12.56		0.3	3.77	
dia		1	18.84		0.3	5.65	
						9.42	
		9.42	sqm @ RS	376.00	/sqm		354
12. RCC Ring Beam -				0mm HBG n	netal for found	dation and	
12. RCC Ring Beam - basement etc. complete						dation and	
		ecification 1	,	0.9 7233.41	0.3		3066
		ecification 1	15.7	0.9	0.3		3066
basement etc. complete	e as per standard spe	4.24	15.7 cum @ RS	0.9 7233.41	0.3 /cum	4.239	3066
basement etc. complete  13. Fabrication of steel steel to site and all laborations.	e as per standard spe for Ring Beam - Sup our charges for straig	4.24 plying anothening, of	15.7 cum @ RS d fabrication of stee	0.9 7233.41	0.3 /cum	4.239	3066
basement etc. complete	e as per standard spe for Ring Beam - Sup our charges for straig	ecification 1 4.24 plying and thening, constandard	15.7 cum @ RS d fabrication of stee cutting to length, ber specification.	0.9 7233.41 el including o nding to shap	0.3 /cum ost and conve	4.239	
basement etc. complete  13. Fabrication of steel steel to site and all laborations.	e as per standard spe for Ring Beam - Sup our charges for straig	ecification 1 4.24 plying and thening, constandard	15.7 cum @ RS d fabrication of stee	0.9 7233.41	0.3 /cum ost and conve	4.239	
13. Fabrication of steel steel to site and all laborand forming grills for all	for Ring Beam - Sup our charges for straig R.C.C works as per	plying and standard 0.5	d fabrication of stee cutting to length,ber specification.	0.9 7233.41 el including conding to shap 68875.45	0.3 /cum ost and conve	4.239	
13. Fabrication of steel steel to site and all laborand forming grills for all	for Ring Beam - Suppur charges for straig R.C.C works as per	plying and thening, costandard 0.5	d fabrication of stee cutting to length, ber specification.	0.9 7233.41 el including conding to shap 68875.45	0.3 /cum ost and conve	4.239	
13. Fabrication of steel steel to site and all laborand forming grills for all	for Ring Beam - Suppur charges for straig R.C.C works as per	plying and thening, costandard 0.5	d fabrication of stee cutting to length, ber specification.	0.9 7233.41 el including conding to shap 68875.45	0.3 /cum ost and conve	4.239	
13. Fabrication of steel steel to site and all labo and forming grills for all 14. RR Masonry in CM other labour charges et	for Ring Beam - Support charges for straig R.C.C works as per  1:4 for steining wall ac., complete as per s	plying and thening, costandard 0.5	d fabrication of stee cutting to length, ber specification.  MT @ RS  wall including cost specifications	0.9 7233.41 el including conding to shap 68875.45	0.3 /cum ost and convete and tying in	4.239 eyance of position	
13. Fabrication of steel steel to site and all labo and forming grills for all 14. RR Masonry in CM other labour charges et Steining wall-1.00m bas	for Ring Beam - Support charges for straig R.C.C works as per 1:4 for steining wall c., complete as per see width and	plying and the standard of the standard	d fabrication of stee cutting to length, ber specification.  MT @ RS  wall including cost specifications	0.9 7233.41 el including conding to shap 68875.45	0.3 /cum ost and convete and tying in	4.239	
13. Fabrication of steel steel to site and all labo and forming grills for all 14. RR Masonry in CM other labour charges et	for Ring Beam - Support charges for straig R.C.C works as per 1:4 for steining wall c., complete as per see width and	plying and the standard of the standard	d fabrication of stee cutting to length, ber specification.  MT @ RS  wall including cost specifications	0.9 7233.41 el including conding to shap 68875.45	0.3 /cum ost and convete and tying in	4.239 eyance of position	
13. Fabrication of steel steel to site and all labo and forming grills for all 14. RR Masonry in CM other labour charges et Steining wall-1.00m bas 0.45m top width bottom	for Ring Beam - Support charges for straig R.C.C works as per 1:4 for steining wall c., complete as per see width and	plying and thening, c standard 0.5  & Parapet tandard s	d fabrication of stee cutting to length,ber specification.  MT @ RS  t wall including cost specifications	0.9 7233.41 el including conding to shap 68875.45	0.3 /cum  ost and conve e and tying in  /MT  ance of mater	4.239 eyance of position	
13. Fabrication of steel steel to site and all laborand forming grills for all 14. RR Masonry in CM other labour charges et Steining wall-1.00m ba: 0.45m top width bottom C/L 4.45m	for Ring Beam - Support charges for straig R.C.C works as per 1:4 for steining wall c., complete as per see width and 1 C/L 5.00m top	plying an- htening, c standard  0.5  Parapel tandard s	d fabrication of stee cutting to length, ber specification.  MT @ RS  wall including cost specifications  14.85	0.9 7233.41 el including conding to shap 68875.45 and conveyor 0.725	0.3 /cum ost and convete and tying in /MT ance of mater	4.239 eyance of position ial and all 10.76625	3066
13. Fabrication of steel steel to site and all labo and forming grills for all 14. RR Masonry in CM other labour charges et Steining wall-1.00m bas 0.45m top width bottom	for Ring Beam - Support charges for straig R.C.C works as per 1:4 for steining wall c., complete as per see width and	plying and thening, c standard 0.5  & Parapet tandard s	d fabrication of stee cutting to length,ber specification.  MT @ RS  t wall including cost specifications	0.9 7233.41 el including conding to shap 68875.45 and conveya	0.3 /cum ost and convete and tying in /MT ance of mater	4.239 Evance of a position ial and all 10.76625	

	th cement mortor 1 ges etc., complete	:4 mix 20mm thi	ckness including	cost and conv	veyance of m	aterial and all	
Parapet wall-Top		- Standard	1 13.	97 0.3	34	0 4.7498	2
		4 740	9 sem @ DS			117 150	
		4.749	8 sqm @ RS	393.7	4 /sqm		1
Platform Construc							
16. Earth work op	en well excavation	complying with	relevant classes	of T.N.D.S.S	well sinking a	and with lead	
First Depth	d Soil not requ	iring Blastin	g			war iodd	
30m							
50111		0.7	6.6	57 0.	3 0.:	0.474237	
		0.4742	4 cum @ RS			0.474237	
					6 /cum		
<ol><li>Supplying and</li></ol>	filling of good rive	r sand including	cost and convey	ance of to site	and all lahor	ir charges	
. , , , , , , ,	per standard speci	fications			and an labor	ar charges	
Plat Form		0.79	5.6	7 0.7	7 0.1	0.344906	
						0.344906	
		0.34491	cum @ RS	891.0	)/cum		3
18 PCC 1:4:8							
charges etc., comp	using 40mm ISS I	HBG Metal included and specifications	ding cost and co	nveyance of to	site and all I	abour	
alround		0.79		7 0.5	1		
Plat Form		0.79				-	
		3.73	3.0	0.77	0.1	0.079	
		0.158	cum @ RS	4123.59	/cum	0.158	
				1223.33	//cum		6
ite and all labour o	:5 mix using cour charges etc., comp	lete as per stand	ard specification	ns			
			0.07	0.23	0.4	0.484776 0.484776	
		0.48478	cum @ RS	5007.64	/cum	0.404776	242
0. PCC 1:2:4 mix i	using 20mm ISS H	BG Metal includ	ing cost and con	vevance of to	ite and all la	hour	242
	ete as per standar	d specifications		,	and an ia	looui	
lat Form		0.79	6.9	1	0.075	0.408825	
						0.408825	
		0.40883	cum @ RS	5432.85	/Sqm		222
Plastering with charges	ement mortor 1:5 s etc., complete as	mix 12mm thickr per standard sp	ness including co	est and convey	ance of mate	erial and all	
erb wall side		0.79	6.9	0.45		2.45295	
		2 45225				2.45295	
		2.45295	sqm @ RS	192.10	/sqm		47
. Charges for Baili	ng out water						
					L	.S	5000
Provision for geo	physical investigat	tion charges			L	.s	3000
Provision for Nar	ne board		= ,				11200
				Sub Total Rs.			714013
GST 12%				1.5.0.			714012
Escalation for So							85918
Provision for Pho	to charges						56133
	contingencies etc.				L		500
7-1-1	2				L		1437
				Total Estima	ate 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 Estin	nate for Constr	uction of Dug Well (	Group well) und	ler Manatma G	andni NRE	38 during 2	021-22
			DETAILED CU	M ABSTRACT	ESTIMATE			
					Estimate Am	ount: R	3.	1,379,000
SI.No	Details	s of work	Nos	Ме	asurement		Qty	Amount (In Rs.)
				L	В	D		
1		2	3	4	5	6	7	8
1	lead upto 10m in I		complying with rele	evant classes o	f T.N.D.S.S w	ell sinking	and with	
	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		3006.7
	I st Depth							
	0.30-0.60m		0.785	7	7	0.3	11.54	
			11.5395	cum @ RS	321.64	/cum		3711.5
	I st Depth 0-		Boo. 1 (1284) 2-14.		l l	221 200	-	
	60-2.00m		0.785	7	7	1.4	53.851	
			53.851	cum @ RS	334.06	/cum		17989.4
	Second Depth2.00 II nd Depth2.00-		during blasting					
	3.00		0.785	7	7	1	38.465	
	(499.99+15.5) = 515.49		38.465	cum @ RS	515.49	/cum		19828.3
	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		20416.8
	PWD Rate - 2017-	-18						
3	Earth work open w	ell excavation	complying with rele					
	III rd Depth		0.705	_	-	_	20.25	
	400-6.00		0.785	5	5	2	39.25	
			20.55	6 50	600.40	/au		04400
			39.25	cum @ RS	623.40	/cum		24468.4
4	Earth work open w lead upto 10m in r		complying with rele					
	IVth Depth 6.00-8.00		0.785		5		39.25	

		ilearaiii	TOCK dild			ot requirin			
	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 w	vell excav	ation comply	ing with rele dense me	vant classes of dium rock n	T.N.D.S.S we	ell sinking a ng Blastir	ind with	
	VI th Depth 10.00-12.00			0.785	5	5	2	39.25	
				39.25	cum @ RS	1246.80	/cum		48936.
	lead upto 10m in VIII th Depth 12.00-14.00	well excay	vation comply	0.785 39.25	cum @ RS	5 1662.40 T.N.D.S.S w	/cum	39.25	65249
8	lead upto 10m in X th Depth	medium	rock and	dense me	edium rock n	ot requiri	ng Blasti	ng.	
	14.00-16.00				5	5	2	39.25	
_	14.00 10.00			0.785	3		-	55.00	
				39.25	cum @ RS	2078.00			81561
9	Earth work open lead upto 10m in XII th Depth 16.00-18.00 (271x9th	well excar mediun	vation compl n rock and	39.25 ying with rele dense me	cum @ RS evant classes of edium rock r	2078.00 T.N.D.S.S w	ell sinking Blasting. 2		81561
	Earth work open lead upto 10m in XII th Depth 16.00-18.00 (271x9th Depth)  Earth work open lead upto 10m in	mediun	rock and	39.25 ying with rele dense me 0.785 39.25 ying with rele	cum @ RS evant classes of edium rock r 5 cum @ RS	2078.00 T.N.D.S.S w equiring E 5 3739.20	ell sinking Blasting. 2	and with	
	Earth work open lead upto 10m in XII th Depth 16.00-18.00 (271x9th Depth)	mediun	rock and	39.25 ying with rele dense me 0.785 39.25 ying with rele	cum @ RS evant classes of edium rock r  5 cum @ RS evant classes of edium	2078.00 T.N.D.S.S w equiring E 5 3739.20	ell sinking slasting.  2 /cum	and with  39.25  and with	
	Earth work open lead upto 10m in XII th Depth 16.00-18.00 (271x9th Depth)  Earth work open lead upto 10m in XIV th Depth 18.00-20.00 (530x10th Depth)	well exca	vation compleck requiri	39.25  ying with rele dense me  0.785  39.25  ying with rele ng blastin  0.785	cum @ RS evant classes of edium rock r  5 cum @ RS evant classes of g.  5	2078.00 T.N.D.S.S w requiring E  3739.20 T.N.D.S.S w 5	ell sinking stasting.  2 /cum rell sinking	and with  39.25  and with  39.25	
10	Earth work open lead upto 10m in XII th Depth 16.00-18.00 (271x9th Depth)  Earth work open lead upto 10m in XIV th Depth 18.00-20.00 (530x10th	well exca	vation complete requiri	39.25  ying with rele dense me 0.785  39.25  ying with rele ng blastin 0.785  39.25 etal including	cum @ RS evant classes of edium rock r  cum @ RS cum @ RS evant classes of g.  cum @ RS	2078.00 T.N.D.S.S w requiring E  3739.20 T.N.D.S.S w 5	ell sinking stasting.  2 /cum rell sinking	and with  39.25  and with  39.25	146763
10	Earth work open lead upto 10m in XII th Depth 16.00-18.00 (271x9th Depth)  Earth work open lead upto 10m in XIV th Depth 18.00-20.00 (530x10th Depth)  CC 1:4:8 mix usi	well exca	vation complete requiri	39.25  ying with rele dense me 0.785  39.25  ying with rele ng blastin 0.785  39.25 etal including	cum @ RS evant classes of edium rock r  5 cum @ RS evant classes of rock cum @ RS evant classes of rock cum @ RS	2078.00 T.N.D.S.S w requiring E  3739.20 T.N.D.S.S w 5	ell sinking stasting.  2 /cum rell sinking 2 /cum site and all	and with  39.25  and with  39.25	146763
10	Earth work open lead upto 10m in XII th Depth 16.00-18.00 (271x9th Depth)  Earth work open lead upto 10m in XIV th Depth 18.00-20.00 (530x10th Depth)  CC 1:4:8 mix usi charges etc., cor	well exca	vation complete requiri	39.25  ying with release me  0.785  39.25  ying with release me  0.785  39.25  etal including specification including specific	cum @ RS evant classes of edium rock r  cum @ RS evant classes of g.  cum @ RS evant classes of g.  cum @ RS cost and convens	2078.00 T.N.D.S.S w requiring E  3739.20 T.N.D.S.S w 5  8533.00 eyance of to s	ell sinking slasting.  2 /cum rell sinking  2 /cum site and all  0.15	and with  39.25  and with  39.25	146763

+	Outer 7.0 m								
	dia			1	21.98		0.3	6.594	
							11	11.304	
T				11.304	sqm @ RS	376.00	/sqm		4250.304
$\Box$									
	RCC Ring Beam -					20mm HBG	metal for fo	oundation	
	C/L (6.50m Dia)			1	18.84	0.9	0.3	5.0868	
7	0/2 (0.00111 2.12)			5 0868	cum @ RS	7233.41	/cum		36794.9
į,	Fabrication of stee conveyance of stee shape and tying in	el to site	and all labour	plying and charges for	fabrication of s	teel including cutting to len	cost and	ng to ion.	
				0.745	MT @ RS	68875.45	/MT		51312.2
16	RR Masonry in CM and all other labou	/ 1:4 for a	steining wall 8 s etc., comple	k Parapet v	vall including co	st and convey	yance of m	aterial	
	13-			1	19.154	0.725	1	13.89	
ı	Steining wall-1.00r 0.45m top width bo C/L 5.95m (Avera	ottom C/I	_ 6.50m top	1	19.15	0.6	0.7	8.04	
$\neg$	Parapet wall		5.95m C/L	1	17.427	0.45	3	23.53	
$\forall$	, arapot wan							45.46	
$\forall$				45.46	aum @ DC	4479.74	laum	43.40	203631.
$\dashv$	Plastering with cer				cum @ RS			and or thought	203031.
	Parapet -Top (C/	L 5.95m	dia)	1	18.68	0.45	0	8.406	
				8.406	sqm @ RS	393.74	/sqm		3309.7784
18	Earth work open w lead upto 10m in			ng with rel	evant classes o			and with	3309.7784
18				ng with rel	evant classes o			and with	3309.7784
18	lead upto 10m in			ng with rel	evant classes o		rell sinking		3309.7784
18	lead upto 10m in First Depth First Depth	Hard S	oil not requ	ng with rel	evant classes o	f T.N.D.S.S w	rell sinking		3309.7784
18	lead upto 10m in First Depth First Depth 0-30m	Hard S	oil not requ	ng with relations of the second of the secon	evant classes o	f T.N.D.S.S w	vell sinking	0.5772	
18	lead upto 10m in First Depth First Depth 0-30m	).23 = 8.	oil not requ	0.785	evant classes of asting.  8.17  cum @ RS	0.3 260.56	0.3	0.5772	
19	lead upto 10m in First Depth First Depth 0-30m (6.40+1.00+1.00-0	).23 = 8.	oil not requ	0.785	evant classes of asting.  8.17  cum @ RS  est and conveya	0.3 260.56	0.3 /cum	0.5772	
19	lead upto 10m in  First Depth 0-30m  (6.40+1.00+1.00-0  Supplying and fillir etc., complete	).23 = 8.	oil not requ	0.785	evant classes of asting.  8.17  cum @ RS  est and conveya	0.3 260.56 nce to site an	0.3 /cum	0.5772 0.5772 r charges	
19	lead upto 10m in First Depth 0-30m (6.40+1.00+1.00-0 Supplying and fillir etc., complete Plat Form (6.40+0.77=7.	).23 = 8.	oil not requ	0.785	evant classes of asting.  8.17  cum @ RS  est and conveya	0.3 260.56 nce to site an	0.3 /cum d all labou	0.5772 0.5772 r charges 0.4334	150.3
19	lead upto 10m in First Depth 0-30m (6.40+1.00+1.00-0 Supplying and fillir etc., complete Plat Form (6.40+0.77=7.	0.23 = 8.1 ng of goo	oil not requ	0.785 0.57721 ncluding co	evant classes of asting.  8.17  cum @ RS  st and conveya  7.17  cum @ RS	0.3 260.56 nce to site an 0.77	0.3 /cum d all labou 0.1 /cum	0.5772 0.5772 r charges 0.4334 0.4334	150.3
19	lead upto 10m in First Depth 0-30m (6.40+1.00+1.00-0 Supplying and filliretc., complete Plat Form (6.40+0.77=7.17) PCC 1:4:8 mix usin	0.23 = 8.1 ng of goo	oil not requ	0.785 0.57721 ncluding co	evant classes of asting.  8.17  cum @ RS est and conveya  7.17  cum @ RS	0.3 260.56 nce to site an 0.77	0.3 /cum d all labou 0.1 /cum site and a	0.5772 0.5772 r charges 0.4334 0.4334	3309.7784 150.39

							0.62	
			0.62 cu	m @ RS	4123.59	/cum		2556.62
21	Brick work Cm 1:5 mix us of to site and all labour ch	sing country br	ricks of size 83/	4x 43/8 x23/4	including cos	st and conv	eyance	
- 1	Kerb wall alround		0.785	8.17	0.23	0.4	0.59	
Ť	unound						0.59	
			0.59004 cu	ım @ RS	5007.64	/cum		2954.6
	PCC 1:2:4 mix using 20m charges etc., complete	nm ISS HBG M	letal including o	cost and conv	eyance of to	site and all	labour	
	Plat Form		0.785	7.4	1	0.075	0.44	
	(6.40+1.00=7. 40m)						0.44	
			0.44 cu	ım @ RS	5432.85	/Sqm		177
23	Plastering with cement n	nortor 1:5 mix	12mm thicknes	s including co	st and conve	yance of m	aterial	
	Plastering with cement n and all other labour charg Kerb wall side	nortor 1:5 mix ges etc., comp	12mm thicknes lete 0.785	s including co	ost and conve	yance of m	aterial 2.97	
	and all other labour charged Kerb wall side (6.40+1.00+1.	nortor 1:5 mix ges etc., comp	lete			yance of m	2.97	
	and all other labour charg	nortor 1:5 mix ges etc., comp	0.785	8.4	0.45			38
	and all other labour charge.  Kerb wall side  (6.40+1.00+1.  00=8.40 m)	ges etc., comp	0.785				2.97	
24	and all other labour charge.  Kerb wall side  (6.40+1.00+1.  00=8.40 m)  Charges for Bailing out was a side of the control of	ges etc., comp	0.785	8.4	0.45		2.97	500
24	and all other labour charge.  Kerb wall side  (6.40+1.00+1. 00=8.40 m)  Charges for Bailing out was Geophysical investigation.  Provision for	ges etc., comp	0.785	8.4	0.45		2.97	500 300
24	and all other labour charge.  Kerb wall side  (6.40+1.00+1.  00=8.40 m)  Charges for Bailing out w.  Geophysical investigation	ges etc., comp	0.785	8.4	0.45	/sqm	2.97	500 300 450
24 25 26	and all other labour charge.  Kerb wall side  (6.40+1.00+1. 00=8.40 m)  Charges for Bailing out was Geophysical investigation.  Provision for	ges etc., comp	0.785	8.4	0.45	/sqm	2.97	500 300 450 116910
24 25 26	and all other labour charges  Kerb wall side  (6.40+1.00+1. 00=8.40 m)  Charges for Bailing out was Geophysical investigation Provision for Name board	ges etc., comp	0.785	8.4	0.45	/sqm	2.97	500 300 450 116910 13194
24 25 26 27 28	and all other labour charge.  Kerb wall side  (6.40+1.00+1. 00=8.40 m)  Charges for Bailing out was Geophysical investigation.  Provision for Name board  GST 12%  Escalation	ges etc., comp	0.785	8.4	0.45	/sqm	2.97	500 300 450 116910 13194 7696
24 25 26 27 28 29	and all other labour charge Kerb wall side  (6.40+1.00+1. 00=8.40 m)  Charges for Bailing out water geophysical investigation for Name board  GST 12% Escalation charges 7% Provision for	ges etc., comp	0.785	8.4	0.45	/sqm	2.97	38 500 300 450 116910 13194 7696 50 49

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