

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.
- 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:-

"കாலநிலை மாற்றங்களை எதிர்கொள்ளக் சவடிய கிராமங்களை உருவாக்குதல் இன்றைய முக்கிய தேவையாகும். இந்நிலையை அடையும் ஊரகப்பகுதிகளில் நிலத்தடிநீரை அதிகரிக்க 68 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 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 - '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 SI. 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:-

- (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.

- 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)

		ial Compo (88.97%)	onent	Labour Component	A PLANE	
Description	Central Share (75%)	State Share (25%)	Total	(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		
Description	Central Share (75%)	State Share (25%)	Total	Component (Central Share 100%)	Grand Total	Labour 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

.N o	Description		Nos	5	L (m)	B (m)	D (m)	. 497000 Qty	Amount	(In
1	Footburgh Francis C								Rs.)	
	Earth work Excavation for F rock requiring blasting but in	nclusive	on in a	all soils oring st	and Sub Soil to rutting and requ	full depth as ma iring the sides of	y be directed e foundation.	except in hard		
	Foundation First Depth	4								
	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	- 100 12 W	
	Wing wall(D/S)	1	x	2	6.20	1.40	0.30	5.21		
	Wing wall(U/S)	1	Х	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	х	1	3.35	4.80	0.30	4.82		
	Rough Stone Packing	1	х	1	2.50	4.80	0.30	3.60		
	Trench for clay filling	1	х	1	4.80	1.30	0.30	1.87	**	
					Rs	260.56		23.45		610
	Foundation Second Depth									010
	Body wall	1	х	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	х	2	6.20	1.40	0.30	5.21		
	Wing wall(U/S)	1	х	2	1.50	1.45	0.30	1.31		
	Apron end Core wall	2	х	1	4.80	0.60	0.20	1.15		
	Apron D/s	1	х	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	×	2	3.00	1.50	0.40	3.60		
,	Abutment	1	х	1	4.60	1.60	0.50	3.68		
١	Wing wall(D/S)	1	х	2	6.20	1.40	0.50	8.68		
١	Ving wall(U/S)	1	x	2	1.50	1.45	0.50	2.18		
1	Apron end Core wall	1	х	1	4.80	0.60	0.20	0.58		196.1
					Rs	334.06		18.71		6251

S.N o	Description		Nos		L (m)	B (m)	D (m)	Qty	Amount Rs.)	(In
2	Supply and filling of coarse and all labour charges etc c									
	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	х	2	6.20	1.40	0.20	3.47		
	Wing wall(U/S)	1	x	2	1.50	1.45	0.20	0.87		
	Tring wain(o-o)				Rs.	891.00		7.61		6784
3	Cement concrete 1:4:8 mix all labour charges for mixing	using 40r g,laying a	mm IS	SS met	al including cos	t and conveyance	es of all materi	als to site and		
	Foundation						0.00	2.70		
-	Body wall	1	Х	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	Х	2	1.50	1.45	0.30	1.31		
	Apron end Core wall	1	х	1	4.80	0.60	0.20	0.58		
					Rs.	4123.59		12.00		49471
4	Centering and Shuttering of	narges								
	Below GL						an Species	To Carrie		
	Body wall sides	2	х	2	3.00		0.50	6.00	to the second se	
	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	Х	2	1.50		0.50	3.00		
	Face sides	2	x	2	1.10		0.50	2.20		
	10.00	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		1374
	Above GL									S. HINGS
	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	х	2	6.20		1.65	40.92		
	Wing wall sides(U/S)	2	x	2	1.50		1.80	10.80		
	Outer Face	2	х	2	0.68		1.30	3.54		
		2	×	2	0.73		1.60	4.68		
					Rs	752.00		93.94		7064

0	Description		Nos	3	L (m)	B (m)	D (m)	Qty	Amount (In Rs.)
5	Cement Conrete 1:3:6 mix i materials to site and all laborate	using 40 our charg	mm, a	20mm &	& 10mm ISS me laying and curi	etal including cost ng etc complete f	and conveyar	nce of all	
	I st footing								
	Body wall	1	х	2	3.00	1.30	0.50	3.90	
	Weir	1	х	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	х	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	х	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	
	Wing wall(U/S)	1	х	2	1.50	0.73	1.65	3.61	
	U()				111.0				
6					Rs.	4441.81		40.21	178599
6	Cement Conrete 1:3:6 mix of all labour charges for mixing Apron D/s	using 20 g laying a	mm Is	SS met	al including cos	t and convevance	e of all materia		178599
6	Cement Conrete 1:3:6 mix of all labour charges for mixing	g laying a	ind cu	ring et	al including cos c complete for 1	t and conveyance 0 cum.		Is to site and	178599
6	Cement Conrete 1:3:6 mix of all labour charges for mixing Apron D/s	g laying a	x	ring etc	al including cos c complete for 1 3.95	t and conveyance 0 cum.	0.10	ls to site and	178599
6	Cement Conrete 1:3:6 mix of all labour charges for mixing Apron D/s Cushion (Apron End)	g laying a	x X	ring etc	al including cos c complete for 1 3.95 5.00	t and conveyance 0 cum. 5.00 0.30	0.10	1.98 0.15	
	Cement Conrete 1:3:6 mix of all labour charges for mixing Apron D/s Cushion (Apron End)	g laying a	x X X	rring etc 1 1 1	al including cos complete for 1 3.95 5.00 4.70	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	178599 39611
	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	g laying a	x X X	rring etc 1 1 1	al including cos complete for 1 3.95 5.00 4.70	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 of all labour charges for mixing Apron D/s Cushion (Apron End) Apron Flooring Earthfilling using Clay soil in inclusive of all charges	g laying a	X X X	1 1 side fo	al including cos c 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 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)	g laying a	x X X X	1 1 1 side for 1	al including cost complete for 1 3.95 5.00 4.70 Rs or arresting the s	t and conveyance 0 cum. 5.00 0.30 4.35 4796.41 seepage of water	0.10 0.10 0.30 below the Che	1.98 0.15 6.13 8.26 eck Dam	39611
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)	g laying a 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	x X X X x x	1 1 1 side for 1 1	al including cost complete for 1 3.95 5.00 4.70 Rs or arresting the s 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	
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	g laying a 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	x X X X x x	1 1 1 side for 1 1	al including cost complete for 1 3.95 5.00 4.70 Rs or arresting the s 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	39611
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	1 1 1 1 1 1 sing revere	x X X X X X x x x	side fo	al including cost complete for 1 3.95 5.00 4.70 Rs or arresting the second 4.80 4.60 Rs including cost are	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	0.10 0.30 below the Che 0.30 0.10 of all materials	1.98 0.15 6.13 8.26 eck Dam 1.87 0.48 2.36 to site and all	39611

S.N o	Description		Nos	*	L (m)	B (m)	D (m)	Qty	Amount ((In
9	Supplying and Fabricating and concrete works as per the design complying with standard specific	gn giv	en in							
	Surface Reinforcement for Bodywall 8mm dia @150 spacing bothways -	1	x	1	0.09	МТ	68875.45	Rs.		6199
	For Apron	1	x	1	0.12	МТ	68875.45	Rs.		7921
	For Abutment ,Wingwall	1	x	1	0.15	MT	68875.45	Rs.	10	0331
10	Provision for Citizen Information	n Boa	ırd					Ls		4500
11	Provision for Photographic Cha	rges						Ls		1000
12	Provision for GST (12%)							Ls	48	8155
13	Provision for Escalation Cost (7	' %)						Ls	28	8090
14	Contingencies & other unforese	en it	em					Ls		878
								Total	497	7000

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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

SI.	Details of work	No	Meas	urements	in m		Rate per	Amount
No	Details of work	No -	L	В	D	Quantity	unit	(in Rs.)
1	Earth work excavation lift in hard gravelly soi							
а	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					0.49		
			0.49	Cum	at Rs.	260.56	Cum	128
b	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		
						0.46		
			0.46	Cum	at Rs.	321.64	Cum	148
С	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 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	1031

	T			·				
	Platform Kerb wall	1	5.73	0.115	0.075	0.05		
	Chamber	1	1.48					
	CHAMBO	1.3	1, 10	0.110	0.00	0.11		
		0.11 Cu	ım		at Rs.	4948.44	Cum	544
4	Filling the Soak pit with	following ma	aterials a	s per specif	ication			
	225mm metal/Boulders	1	1.2	1.2	0.45	0.65		
						0.65		
)	65 mm/63mm metal	1	0.65	Cum	at Rs.	686.05 0.65		446
						0.65		
			0.65	Cum	at Rs.	864.05	Cum	562
3	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 ce	ment tank wi	th top co	ver including	g cost etc			
	Cement tank	1		1		1 No		
	mi Ola		1	No	at Rs.	1200	No	1200
6	Filling of metal aggregation	ate, in the so	ak pit incl	luding the la	bour charge	es etc,	or junear	
	unskilled labour	1				1 No		
				No	at Rs.	273	No	273
7	Plastering with cement and conveyance etc co		nix to 12	mm thick in	ncludingincl	uding the cost		
	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	Ţ i i i	
			3.94		at Rs.	192.10	No	757

	D) (O : 50 !!						
	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 pipe	s of following dia	meter etc., cor		
- 3	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 Citize	n informatio	n Board			LS	9
				TO	TAL	Rs.	10800

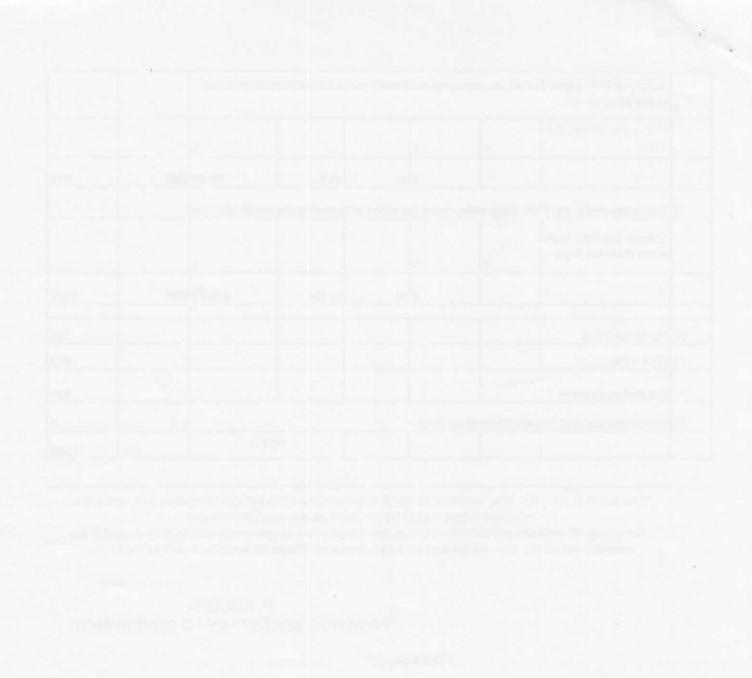
^{**} As per G.O.(Ms) No. 124, dated 12.09.2018, it is mentioned that for individual soak pits, one citizen information board shall be provided for one habitation/cluster.

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

		Α	bstrac	ct cum l	Detailed	Estimate			
						Esti	mate An	nount:Rs.	13000
SI.NO	Details of Work		No		L (m)	B (m)	D (m)	Quantity	Amount
1	Earth work Excavation for Forexcept in hard rock requiring of foundation, etc., complete	blas	ting but	inclusive	of shorin	g strutting ar	oth as may	be directed g the sides	(in Rs.)
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	
							W	0.96	
			0.96	m3 @ R	S.	260.56	/m3		251
b.	From 0.30m to 0.60m dept	h							mail .
	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							LX FEET IN	
	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	
								2.73	
			2.73	m3 @ R	S.	334.06	/m3		913
2	Filling the soak pit with follow	wing i	materia	ls as per	standard	specification	ns		
a.	225 mm metal/Boulders	1	Х	1	1.5	1.5	0.45	1.01	
							The state of the s	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	
								1.01	
			1.01	m3 @ R	s.	864.05	/m3		875
C.	20mm metal	1	Х	1	1.5	1.5	0.9	2.03	
	deduct cement tank	1	Х	-0.786	0.6	0.6	0.9	-0.25	
11								1.77	
			1.77	m3 @ R	S.	1706.05	/m3		3021
3	Cement Concrete 1:4:8 mix เ materials to site and all labou	using ur cha	40mm irges et	ISS meta c., compl	l including ete as pe	cost and co	onveyance pecification	of all	
	Platform	1	Х	1	1.5	1.5	0.1	0.23	
							Timosey Workson,	0.23	

			0.23	m3 @ R	s.	4123.59	/m3		949
4	Brickwork in CM 1:5 mix usin including curing etc., comple	_					or the follow	wing	
	Platform alround	1	Х	1	5.73	0.115	0.075	0.05	
								0.05	riffin 3
			0.05	m3 @ R	s.	4948.44	/m3		248
5	Plastering with cement morta materials to site and all labour								
	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	
		OUR MARKET THE	3.11	m3 @ R	ls.	192.10	/m3		598
6	Supply of 0.60m dia cement specifications	tank	with top	cover in	cluding c	ost etc., com	plete 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	st etc., comp	olete as per	standard	
	Cement tank						1 no		
			1	No	@	500.00	No		500
8	Supply of PVC pipes 50mm	dia as	s per sta	andard s	pecification	ons			
	PVC pipes 50 mm dia 4 Ksc						10 no		
			10	No	@	55.10	No		551
9	Towards labour charges for t	filling	metal i	nto the pi	pe and fi	xing PVC pip	е		
								LS	273
10	Citizen Information Board								500
11	Photo Charges								100
12	GST 12%								1036
13	Escalation charges 7%							Sam kenii	738
14	Contingencies					1-7-1			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

SI.		Estimate	e Amo	unt	Rs.	140,000
۱۰. ۲۰.	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 :-		cum	321.64	cum	1184
	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	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

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%		Salarangen		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.

	ABSTRACT ES					
		TIMATE				
			Estimat	e Amount		130,000
SI. No.	Description of Work	Qty	Unit	Rate	Per	Amount (In Rs.)
	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		192.10		
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.					4514
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.	8.91 20.74		745.05 1312.1		6638
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		1706.1		27212
9	Supplying and filling with Char coal including all cost and conveyance materials and all labour charges etc., complete with Standared Specification.					24652
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		200		38
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		881.60 403.00		168 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%		d prestr		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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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		
Earth work open well excava	ation complying with rol	ovent element of	TNDCC	1 . *	1 20 1 1	
upto 10m in Hard Soil not	requiring Blasting		1.N.D.5.5 Wel	i sinking and	a with lead	
First Donth & 2						
First Depth 0-2m First Depth 0-						
30m	0.79		6	0.3	0 522	
		cum @ RS	260.56		8.532	200
First Depth	0.002	cum @ NS	200.50	Cum		222
0.30-0.60m	0.79	6	6	0.3	8.532	
		cum @ RS	321.64		0.332	274
First Depth 0-			522101	/ cuiii		214
60-2.00m	0.79	6	6	1.4	39.816	
	39.816	cum @ RS	334.06			1330
	W					
2. Earth work open well excava	ation complying with rel	evant classes of	T.N.D.S.S wel	I sinking and	with lead	
upto 10m in SDR not requi	ring Blasting.					
Second Depth2.00-4.00						
Second						
Depth2.00- 3.00	0.70					
(499.99+15.5	0.79	4	4	1	12.64	
(499.99+15.5) = 515.49	12.64	O DC				
7 = 515.49	12.64	cum @ RS	515.49	/cum		651
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		670
PWD Rate - 2018-19						
3. Earth work open well excava	tion complying with rela	evant classes of	T N D S S well	sinking and	with lead	
upto 10m in medium rock a	nd dense medium	rock not requ	iring Blast	ing.	Walled	
Third Depth 4-						
6m	0.79			-	25.00	
		cum @ RS	623.40	/cum	25.28	15760
4. Earth work open well excava						13/60
upto 10m in medium rock a	nd dense medium	rock not regu	iiring Rlacti	sinking and	with lead	
Fourth Depth			in ing blust	ing.		
6-8m	0.79	4	4	2	25.28	
		W1000			25.20	
	25.28	cum @ RS	831.20	/cum		21013
5. Earth work open well excava	tion complying with role	avant classes -f	- N D C C	atalita :		
upto 10m in medium rock a	nd dense medium	rock not rea	uiring Blact	sinking and	with lead	
Fifth Depth 8-10m	0.79	4	4		25.28	-
					25.20	
	25.28	cum @ RS	1039.00	/cum		2626
6. Earth work open well excava	tion complying with sale	want alasses 53	NDCO	-1-1-		
upto 10m in medium rock a	nd dense medium	rock pot rock	.N.D.S.S well	sinking and	with lead	
sixth Depth		.ock not req	uning blast	ing.		
10-12.00	0.79	4	4	2	25.28	
	25.28	cum @ RS	1246.80			31519

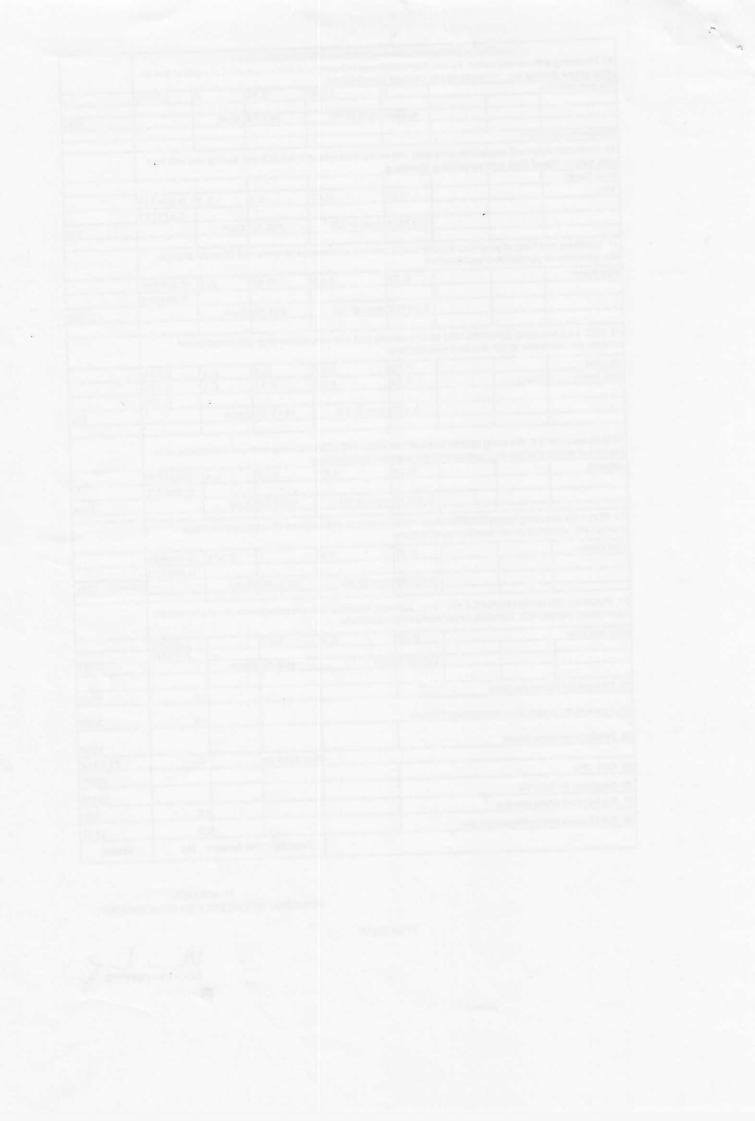
	m rock and dense						
12.00-14.00		0.79	4	4	2	25.28	42025
_		25.28	cum @ RS	1662.40	/cum		42025
				1101118-15-15			
8. Earth work open upto 10m in medi u	well excavation complying rock and dense	ng with rele medium	evant classes of T. rock not requi	N.D.S.S well ring Blasti	sinking and w	vith lead	
14.00-16.00		0.79	4	4	2	25.28	
		25.28	cum @ RS	2078.00	/cum		52532
9. Earth work open upto 10m in medi	well excavation complying rock and dense	ng with rele	evant classes of T.	N.D.S.S well g Blasting.	sinking and v	vith lead	
16.00-18.00		0.79	4	4	2	25.28	
10.00 10.00			cum @ RS	3739.20	/cum		94527
	200						
	well excavation comply rock requiring blas		elevant classes of	T.N.D.S.S we			
18.00-20.00		0.79	4	4	2	25.28	215714
		25.28	cum @ RS	8533.00	/cum		215/14
Steining Wall							
	CC Ring Beam - Towar	ds centeri	ng charges inclusi	ve of all mate	rial and labou	r charges	
etc., complete as p	er standard specification	ı .					
Inner 4.00 m dia		1	12.56		0.3	3.77	2200
Outer 6.00 m			10.01		0.2	F 6F	
dia		1	18.84		0.3	5.65 9.42	
		9.42	sqm @ RS	376.00	/sqm		3542
12 RCC Ring Beau	m - Reinforced Cement	concrete 1	:11/2:3 mix using	20mm HBG n	netal for found	dation and	· · · · · · · · · · · · · · · · · · ·
basement etc. com	plete as per standard sp	ecification					
		1 24	15.7 cum @ RS	7233.41		4.239	3066
		4.24	cuii @ K3	7255.41	/ cuiii		0000
13. Fabrication of s	teel for Ring Beam - Su labour charges for strai	ghtening, o	cutting to length, be	el including c nding to shap	ost and conve be and tying in	eyance of n position	
steel to site and all and forming grills for							3443
steel to site and all and forming grills for	1	0.5	MT @ RS	68875.45	/MT		3443
steel to site and all and forming grills for		0.5	MT @ RS	68875.45	/MT		3443
and forming grills formation of the state of	CM 1:4 for steining wall es etc., complete as per	& Parape	t wall including cos			rial and all	3443
and forming grills formation of the state of	CM 1:4 for steining wall es etc., complete as per	& Parape	t wall including cos		ance of mater	10.76625	3443
and forming grills formation of the state of	CM 1:4 for steining wall es etc., complete as per n base width and	& Parape standard s	t wall including cos	at and convey	ance of mater		3443
and forming grills for the state of the stat	CM 1:4 for steining wall es etc., complete as per n base width and	& Parape standard s	t wall including cos specifications	at and convey	ance of mater		3443
and forming grills for the state of the stat	CM 1:4 for steining wall es etc., complete as per n base width and ttom C/L 5.00m top	& Parape standard s	t wall including cospecifications 14.85	at and convey	ance of mater	10.76625 6.237 4.7498	3443
and forming grills for the state of the stat	CM 1:4 for steining wall es etc., complete as per n base width and	& Parape standard s	t wall including cospecifications 14.85	0.725 0.6	1 0.7 1	10.76625	9744

Parapet wall-	with cement mortor charges etc., complet	e as per standar	d specifications	, 0001 4114 6011	veyance of IT	aterial and all	
r drapet wall-	ТОР		1 13.	97 0.	34	0 4.749	8
		4.749	8 sqm @ RS	302	74 /sqm		
Platform Cons	struction		16.10	393.	741/sqm		10
upto 10m in	open well excavation Hard Soil not req	n complying with	relevant classes	of T.N.D.S.S	well sinking a	ind with lead	
First Depth		uning blastiff	9.				
30m		0.7	9 6.0	57 0	.3 0.1		
					.3 0.3	0.474237	
		0.4742	4 cum @ RS	260.5	6 /cum	0.474237	
17. Supplying	and filling of good rive as per standard spec	er sand including					1
	as per standard spec	ifications	cost and convey	ance of to site	and all labou	ır charges	
Plat Form		0.79	5.6	7 07	7	T	
			5.0	0.7	/ 0.1		
		0.3449	cum @ RS	891.0	0 /cum	0.344906	-
18 DCC 4-4-0							30
charges etc., c	mix using 40mm ISS omplete as per stand	HBG Metal inclu	ding cost and co	nveyance of to	site and all I	abour	
alround	ompiete as per stand	-p-omoduloji	·				
Plat Form		0.79	0.0	01.	3 0.1	0.079	
		0.79	5.6	7 0.7	7 0.1	0.079	
		0.158	cum @ RS	4122.50		0.158	
			cum @ KS	4123.59	/cum		65
Iround	ur charges etc., com	0.79	6.67		0.4	0.484776	
		0.48478	cum @ RS	5007.64	/cum	0.484776	
D. PCC 1:2:4 n	nix using 20mm ISS Implete as per standa	BG Metal includ	ing good and		7		242
	mplete as per standa	rd specifications	ing cost and con	veyance of to	site and all la	bour	
at Form		0.79	6.9	1	0.075	0.40000=	
				•	0.075	0.408825 0.408825	
		0.40883	cum @ RS	5432.85	/Sqm	0.400823	2221
. Plastering wi	th cement mortor 1:5 rges etc., complete a	mix 12mm thicks	anna inalitati-				222
	ges etc., complete a	s per standard sp	ecifications	st and convey	ance of mate	rial and all	
erb wall side	T	0.79	6.9	0.45		2 (50)	
						2.45295	
		2.45295	sqm @ RS	192.10	/sqm	2115255	471
. Charges for E	Bailing out water						
					L	S	5000
Provision for	geophysical investiga	tion charges				s	200-
Provision for	Name board						3000
	tarre board						1000
GST 12%				Sub Total Rs.			714012
Escalation for	SoR-7%						85918
Provision for F							56133
	and contingencies etc				LS	5	500
- c.idiges a	and contingencies etc	.,			LS	5	1437
					ate Amount		100000000000000000000000000000000000000

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ANNEXURE-VII

	Model Estin	mate for Cons	truction of Dug Well (Group well) unde	r Mahatma G	andhi NRE	GS during 2	021-22
			DETAILED CU	JM ABSTRACT	STIMATE	#-II		
Jan de				E	stimate An	ount: R	s.	1,379,000
SI.No	Detail	s of work	Nos	Mea	surement		Qty	Amount (In Rs.)
1		2	3	L 4	B 5	D 6		
	Earth work open w	vell excavatio	n complying with rele				7 and with	8
	First Depth 0-2m							
	I st Depth 0-0.30m		0.705	7		0.0		
	0.30111		0.785		7	0.3	11.54	
	I st Depth		11,54	cum @ RS	260.56	/cum		3006.73
	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
								- Hillian Re-
	Depth2.00- 3.00 (499.99+15.5)		0.785	7	7	1	38.465	
	= 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	lead upto 10m in r	ell excavation	n complying with rele	evant classes of ledium rock no	Γ.N.D.S.S we ot requirin	ell sinking a	and with	
	III rd Depth 400-6.00		0.785	5	5	2	39.25	
				0.50	623.40	/cum		24468.45
			39.25	cum @ RS	023.40			2.100.10
	Earth work open w lead upto 10m in n	ell excavation	39.25 n complying with relected and dense me	vant classes of T	T.N.D.S.S.we	ell sinking a	and with	2,,100,,10
	Earth work open w	ell excavation	n complying with rele	vant classes of T	T.N.D.S.S.we	ell sinking a	39.25	2,100.10

	lead upto 10m in medium	lock and dense me	edidili rock i	iot requirii	ig biasti	iig.	
	V th Depth 8.00-10.00	0.785	5	5	2	39.25	
200							
		39.25	cum @ RS	1039.00	/cum		40780.7
	FH			TNDOO	II - 1-1-1		
6	Earth work open well excava lead upto 10m in medium						
	VI th Depth						
	10.00-12.00	0.785	5	5	2	39.25	
		39.25	cum @ RS	1246.80	/cum		48936
	Earth work open well excava						
7	lead upto 10m in medium VIII th Depth	rock and dense me	edium rock r	ot requirir	ig Blasti	ng.	
	12.00-14.00	0.785	5	5	2	39.25	
		39.25	cum @ RS	1662.40	/cum		65249
		33.23	cum @ NS	1002.40	, cum		00243
	Earth work open well excava	tion complying with rele	evant classes of	T.N.D.S.S we	ell sinkina a	and with	
8	lead upto 10m in medium						
	X th Depth 14.00-16.00	0.785	5	5	2	39.25	
-							
		39.25	cum @ RS	2078.00	/cum		81561
							01001
							01001
0	Earth work open well excava					and with	01001
9	lead upto 10m in medium					and with	01001
9						and with	01301
9	lead upto 10m in medium in XII th Depth 16.00-18.00 (271x9th	0.785	edium rock r	equiring B	lasting.		01001
9	lead upto 10m in medium I XII th Depth 16.00-18.00	0.785	edium rock r	equiring B	lasting.		
	lead upto 10m in medium in	0.785 39.25	cum @ RS	5 3739.20	/cum	39.25	
	lead upto 10m in medium in XII th Depth 16.00-18.00 (271x9th Depth)	0.785 39.25	cum @ RS	5 3739.20	/cum	39.25	
	lead upto 10m in medium XII th Depth 16.00-18.00 (271x9th Depth) Earth work open well excava lead upto 10m in hard rock XIV th Depth	0.785 39.25 tion complying with rele	cum @ RS	5 3739.20 T.N.D.S.S we	/cum	39.25	146763
	lead upto 10m in medium XII th Depth 16.00-18.00 (271x9th Depth) Earth work open well excava lead upto 10m in hard rocl XIV th Depth 18.00-20.00	0.785 39.25	cum @ RS	5 3739.20	/cum	39.25	
	lead upto 10m in medium XII th Depth 16.00-18.00 (271x9th Depth) Earth work open well excava lead upto 10m in hard rocl XIV th Depth 18.00-20.00 (530x10th	0.785 39.25 tion complying with relect requiring blastin 0.785	cum @ RS evant classes of g.	5 3739.20 T.N.D.S.S we	/cum	39.25	146763
	lead upto 10m in medium XII th Depth 16.00-18.00 (271x9th Depth) Earth work open well excava lead upto 10m in hard rocl XIV th Depth 18.00-20.00	0.785 39.25 tion complying with relectorequiring blastin 0.785	cum @ RS evant classes of g. cum @ RS	5 3739.20 T.N.D.S.S we	/cum 2 /cum all sinking a	39.25 and with	146763
10	lead upto 10m in medium XII th Depth 16.00-18.00 (271x9th Depth) Earth work open well excava lead upto 10m in hard rocl XIV th Depth 18.00-20.00 (530x10th Depth)	tion complying with relector requiring blasting 0.785 39.25 39.25 S HBG Metal including	cum @ RS cum @ RS cum @ RS cum @ RS cost and conve	5 3739.20 T.N.D.S.S we	/cum 2 /cum all sinking a	39.25 and with	146763
10	lead upto 10m in medium XII th Depth 16.00-18.00 (271x9th Depth) Earth work open well excava lead upto 10m in hard rocl XIV th Depth 18.00-20.00 (530x10th Depth) CC 1:4:8 mix using 40mm IS charges etc., complete as pe	0.785 39.25 tion complying with relect requiring blasting 0.785 39.25 S HBG Metal including r standard specification	cum @ RS evant classes of g. 5 cum @ RS cost and convens	5 3739.20 T.N.D.S.S we	/cum 2 /cum 2 /cum te and all I	39.25 and with 39.25	
10	lead upto 10m in medium XII th Depth 16.00-18.00 (271x9th Depth) Earth work open well excava lead upto 10m in hard rocl XIV th Depth 18.00-20.00 (530x10th Depth) CC 1:4:8 mix using 40mm IS	tion complying with relect requiring blasting 0.785 39.25 39.25 S HBG Metal including r standard specification	edium rock r 5 cum @ RS evant classes of g. 5 cum @ RS cost and convens	T.N.D.S.S we specified by the state of the single state of the sin	/cum 2 /cum 2 /cum 2 /cum te and all I	39.25 and with	146763 334920.2
10	lead upto 10m in medium XII th Depth 16.00-18.00 (271x9th Depth) Earth work open well excava lead upto 10m in hard rocl XIV th Depth 18.00-20.00 (530x10th Depth) CC 1:4:8 mix using 40mm IS charges etc., complete as pe	tion complying with relect requiring blasting 0.785 39.25 39.25 S HBG Metal including r standard specification	cum @ RS evant classes of g. 5 cum @ RS cost and convens	5 3739.20 T.N.D.S.S we	/cum 2 /cum 2 /cum 2 /cum te and all I	39.25 and with 39.25	146763
10	lead upto 10m in medium XII th Depth 16.00-18.00 (271x9th Depth) Earth work open well excava lead upto 10m in hard rocl XIV th Depth 18.00-20.00 (530x10th Depth) CC 1:4:8 mix using 40mm IS charges etc., complete as pe	tion complying with relect requiring blasting 0.785 39.25 39.25 S HBG Metal including r standard specification	edium rock r 5 cum @ RS evant classes of g. 5 cum @ RS cost and convens	T.N.D.S.S we specified by the state of the single state of the sin	/cum 2 /cum 2 /cum 2 /cum te and all I	39.25 and with 39.25	146763 334920.3
111	lead upto 10m in medium XII th Depth 16.00-18.00 (271x9th Depth) Earth work open well excavalead upto 10m in hard rock XIV th Depth 18.00-20.00 (530x10th Depth) CC 1:4:8 mix using 40mm IS charges etc., complete as pe	0.785 39.25 tion complying with release requiring blasting 0.785 39.25 S HBG Metal including r standard specification 1 3.0615	cum @ RS evant classes of g. 5 cum @ RS cost and convens 20.41 cum @ RS	5 3739.20 T.N.D.S.S we 5 8533.00 yance of to si	/cum 2 /cum 2 /cum te and all I 0.15 /cum	39.25 and with 39.25 abour 3.0615	146763 334920.2
111	lead upto 10m in medium XII th Depth 16.00-18.00 (271x9th Depth) Earth work open well excavalead upto 10m in hard rock XIV th Depth 18.00-20.00 (530x10th Depth) CC 1:4:8 mix using 40mm IS charges etc., complete as pe	0.785 39.25 tion complying with release requiring blasting 0.785 39.25 S HBG Metal including r standard specification 1 3.0615	cum @ RS evant classes of g. 5 cum @ RS cost and convens 20.41 cum @ RS	5 3739.20 T.N.D.S.S we 5 8533.00 yance of to si	/cum 2 /cum 2 /cum te and all I 0.15 /cum	39.25 and with 39.25 abour 3.0615	146763 334920.3

	Outer 7.0 m dia			1	21.98		0.3	6.594	
								11.304	
				11.304	sqm @ RS	376.00	/sqm		4250.3
14	RCC Ring Beam and basement etc	- Reinfor	ced Cement te as per star	concrete 1:	11/2:3 mix using fication.	20mm HBG	metal for f	oundation	
	C/L (6.50m Dia)			1	18.84	0.9	0.3	5.0868	
				5.0868	cum @ RS	7233.41	/cum		36794.
15	Fabrication of ste conveyance of ste shape and tying in	eel to site	and all labou	pplying and	fabrication of st	eel including	cost and	ng to ion.	33731
				0.745	MT @ RS	68875.45	/MT		51312
16	RR Masonry in Cl and all other labor Steining wall-1.00 0.45m top width b	ur charge	es etc., comple width and	& Parapet vete as per s	vall including costandard specific 19.154	st and convey cations 0.725	ance of m	aterial 13.89	
	C/L 5.95m (Avera			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	
(dillows				15.16	cum @ RS	4479.74	1	43.40	20363
	Parapet -Top (C/	/L 5.95m	dia)	1	18.68	0.45	0	8.406	
				8.406	sqm @ RS	393.74	/sqm		3309.778
18	Earth work open w lead upto 10m in	well excav	vation comply oil not requ	ing with rele	evant classes of	200		and with	3309.778
18	Earth work open w	well excav	vation comply oil not requ	ing with rele	evant classes of	200		and with	3309.778
18	Earth work open w lead upto 10m in	well excav	vation comply oil not requ	ing with rele uiring Bla	evant classes of sting.	T.N.D.S.S wa	ell sinking		3309.778
18	Earth work open w lead upto 10m in First Depth First Depth 0-30m	vell excav	oil not requ	ing with rele	evant classes of	200		0.5772	3309.778
18	Earth work open w lead upto 10m in First Depth First Depth	vell excav	oil not requ	ing with rele uiring Bla 0.785	evant classes of sting.	T.N.D.S.S we	ell sinking		
18	Earth work open w lead upto 10m in First Depth First Depth 0-30m	vell excav Hard S	oil not requ	0.785	evant classes of esting. 8.17 cum @ RS	0.3 260.56	0.3	0.5772	
19	Earth work open water the lead upto 10m in First Depth First Depth 0-30m (6.40+1.00+1.00-0) Supplying and filling	vell excav Hard S	oil not requ	0.785	evant classes of sting. 8.17 cum @ RS	0.3 260.56	0.3 /cum	0.5772 0.5772 charges	
19	Earth work open we lead upto 10m in First Depth First Depth 0-30m (6.40+1.00+1.00-0) Supplying and filling etc., complete Plat Form (6.40+0.77=7.	vell excav Hard S	oil not requ	0.785	evant classes of esting. 8.17 cum @ RS	0.3 260.56	0.3	0.5772	
19	Earth work open we lead upto 10m in First Depth First Depth 0-30m (6.40+1.00+1.00-0) Supplying and filling etc., complete Plat Form	vell excav Hard S	oil not requ	0.785	evant classes of sting. 8.17 cum @ RS	0.3 260.56	0.3 /cum	0.5772 0.5772 charges	
19	Earth work open we lead upto 10m in First Depth First Depth 0-30m (6.40+1.00+1.00-0) Supplying and filling etc., complete Plat Form (6.40+0.77=7.17)	well excave Hard S	oil not requi	0.785 0.57721 ncluding co. 0.785	evant classes of sting. 8.17 cum @ RS st and conveyar 7.17 cum @ RS	0.3 260.56 nce to site and 0.77	0.3 /cum d all labour 0.1 /cum	0.5772 0.5772 charges 0.4334 0.4334	150.
19	Earth work open we lead upto 10m in First Depth First Depth 0-30m (6.40+1.00+1.00-0) Supplying and filling etc., complete Plat Form (6.40+0.77=7.	well excave Hard S 0.23 = 8.4	oil not requi	0.785 0.57721 ncluding co. 0.785	evant classes of sting. 8.17 cum @ RS st and conveyar 7.17 cum @ RS	0.3 260.56 nce to site and 0.77	0.3 /cum d all labour 0.1 /cum	0.5772 0.5772 charges 0.4334 0.4334	150.
19	Earth work open we lead upto 10m in First Depth First Depth 0-30m (6.40+1.00+1.00-0) Supplying and filling etc., complete Plat Form (6.40+0.77=7.17) PCC 1:4:8 mix usin	well excave Hard S 0.23 = 8.4	oil not requi	0.785 0.57721 ncluding co. 0.785	evant classes of sting. 8.17 cum @ RS st and conveyar 7.17 cum @ RS	0.3 260.56 nce to site and 0.77	0.3 /cum d all labour 0.1 /cum	0.5772 0.5772 charges 0.4334 0.4334	150.

						0.62	
		0.62 cur	m @ RS	4123.59 /	cum	10	2556.62
Brick work Cm 1:5			4x 43/8 x23/4	including cos	t and conv	eyance	
Kerb wall		0.785	8.17	0.23	0.4	0.59	
airound		0.765	0.17	0.23	0.7	0.59	
		0.59004 cui	m @ RS	5007.64 /	cum	0.55	2954.69
PCC 1:2:4 mix usin		G Metal including c	ost and conve	eyance of to s	ite and all l	abour	
Plat Form		0.785	7.4	1	0.075	0.44	HAN I
(6.40+1.00=7. 40m)						0.44	
		0.44 (1)	m @ RS	5432.85	/Sam		1775
Di i ili						atorial	
Plastering with cen 23 and all other labour Kerb wall side	nent mortor 1:5 r r charges etc., co	mix 12mm thickness				aterial 2.97	
23 and all other labour Kerb wall side (6.40+1.00+1.	ment mortor 1:5 r r charges etc., co	mix 12mm thickness	s including co	st and convey			
23 and all other labour Kerb wall side	ment mortor 1:5 r	mix 12mm thickness omplete 0.785	s including co	st and convey	yance of ma	2.97	383
23 and all other labour Kerb wall side (6.40+1.00+1. 00=8.40 m)	r charges etc., co	mix 12mm thickness omplete 0.785	s including co	st and convey	yance of ma	2.97	383 5000
23 and all other labour Kerb wall side (6.40+1.00+1.	out water	mix 12mm thickness omplete 0.785	s including co	st and convey	yance of ma	2.97	
23 and all other labour Kerb wall side (6.40+1.00+1. 00=8.40 m) 24 Charges for Bailing 25 Geophysical invest Provision for	out water	mix 12mm thickness omplete 0.785	s including co	st and convey	yance of ma	2.97	5000
23 and all other labour Kerb wall side (6.40+1.00+1. 00=8.40 m) 24 Charges for Bailing 25 Geophysical invest	out water	mix 12mm thickness omplete 0.785	s including co	st and convey	yance of ma	2.97	5000 3000
23 and all other labour Kerb wall side (6.40+1.00+1. 00=8.40 m) 24 Charges for Bailing 25 Geophysical invest Provision for	out water	mix 12mm thickness omplete 0.785	s including co	st and convey	yance of ma	2.97	5000 3000 4500 1169100
23 and all other labour Kerb wall side (6.40+1.00+1. 00=8.40 m) 24 Charges for Bailing 25 Geophysical invest Provision for Name board	out water	mix 12mm thickness omplete 0.785	s including co	st and convey	yance of ma	2.97	5000 3000 4500 1169100 131940
23 and all other labour Kerb wall side (6.40+1.00+1. 00=8.40 m) 24 Charges for Bailing 25 Geophysical invest Provision for Name board 27 GST 12% Escalation	out water	mix 12mm thickness omplete 0.785	s including co	st and convey	yance of ma	2.97	5000 3000 4500
23 and all other labour Kerb wall side (6.40+1.00+1. 00=8.40 m) 24 Charges for Bailing 25 Geophysical invest Provision for Name board 27 GST 12% Escalation 28 charges 7% Provision for	out water	mix 12mm thickness omplete 0.785	s including co	st and convey	yance of ma	2.97	5000 3000 4500 1169100 131940 76965

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