

**TAMIL NADU WATER SUPPLY AND DRAINAGE BOARD.**

**COIMBATORE**

**Name of Scheme:** CWSS to Arukuchi and 5 other Habitations in Melur  
Panchayat of Coonoor Union of Nilgiris District for the year 2021-22



**PRICE BID - COVER-II**

**CWSS to Arukuchi and 5 other Habitations in Melur Panchayat of Coonoor Union of Nilgiris District for the year 2021-22 under SADP Fund for the year 2021-2022 (Deposit Scheme) Construction period -6 months, Trial run-1 month and Free maintenance- 3 months)**

**GENERAL ABSTRACT**

Sl. No	Part	Description of Work	Amount in Figures (Rs)
a	Part1	Repair works to existing check dam at Devabetta stream	249413.05
b	Part2	Supply, delivery and laying and jointing of Gravity main from check dam to BSR at Puttakorai	7375393.38
<b>Total</b>			<b>7624806.43</b>
		12 % GST on Total	<b>914976.77</b>
		<b>Grand Total</b>	<b>8539783.2</b>

I/We, .....  
hereby agree to execute the

above item of work at ..... % excess over / less then the value mentioned above.

1. The percentage filled by the contractor both in figures and words by using two decimal only .
2. If there is any discrepancy in percentage quoted in words and in figures, the lowest of the two will be considered.
3. If no percentage is quoted, the workers value will be taken as quoted price
4. If the contractor failed to score out the word either excess or less. The word less alone will be taken into consideration.

Part1 - Repair works to existing check dam at Devabetta stream								
Sl. No.	Description of work	Probable quantity Figures	Per	TNBP No. Other specification	Units in	Rate in		Amount in Figures (Rs)
						Figures	Words	
1	Desilting light or sandy soil or silt from infiltration wells below water level including the charges for special T & P and air compressor etc. complete.	12.00	cum		1 cum (One Cubic Metre)	2568.58	Rupees Two thousand five hundred and sixty eight and paise fifty eight only	30822.96
2	Chipping of concrete and roughening the surface	40.00	Sqm		1 Sqm (One Square Metre)	44.38	Rupees Forty four and paise thirty eight only	1775.20
3	Clean removal of cement plaster from walls	78.00	Sqm		1 Sqm (One Square Metre)	9.31	Rupees Nine and paise thirty one only	726.18
4	Clean removal of cement plaster from walls and racking out joints. 20M depth.	81.00	Sqm		1 Sqm (One Square Metre)	12.39	Rupees Twelve and paise thirty nine only	1003.59
5	Plain Cement Concrete 1:1.5:3 (one cement, One and a Half Sand and Three hard granite broken stone of 20mm size ISS gauge) for levelling course of foundation including mixing, placing, ramming, finishing curing etc. complete in accordance with specification and as directed by the TWAD Board Officers.	12.00	cum	SS 28 & special Specification	1 cum (One Cubic Metre)	8727.80	Rupees Eight thousand seven hundred and twenty seven and paise eighty only	104733.60
6	Plastering with CM 1:3 (one cement and three sand) 20mm thick for inside the checkdam including cost of scaffolding, curing, finishing etc. complete complying with standard specification and as directed by the TWAD Board Officers.	78.00	Sqm	SS 56, 57 & Special specification	1 Sqm (One Square Metre)	643.83	Rupees Six hundred and forty three and paise eighty three only	50218.74

7	Plastering with CM 1:5 (one cement and five sand) 20mm thick for outside the checkdam including cost of scaffolding, curing, finishing etc. complete complying with standard specification and as directed by the TWAD Board Officers.	97.20	Sqm	SS 56, 57 & Special specification	1 Sqm (One Square Metre)	618.65	Rupees Six hundred and eighteen and paise sixty five only	60132.78
	<b>Total for Part1</b>							<b>249413.05</b>

Part2 - Supply, delivery and laying and jointing of Gravity main from check dam to BSR at Puttakorai								
Sl. No.	Description of work	Probable quantity Figures	Per	TNBP No. Other specification	Units in	Rate in		Amount in Figures (Rs)
A	CIVIL WORKS:					Figures	Words	
1	Earth work excavation and depositing on bank with initial lead of 10 m and lift of 2 M in narrow trenches having bed width 1.25m & below for laying of pipes for water supply in all strata.			SS 20B & Special Specification				
a	100 mm DI K9/ S/S Pipe	4033.00	RM		1M (One Running Meter)	267.11	Rupees Two hundred and sixty seven and paise eleven only	1077254.63
2	Conveyance of pipe of various type/ size of the following pipes including unloading from lorries at stock yard and stocking properly and loading into lorries at stock yard transportation charges upto 8 KM from stock yard and unloading from lorries at site/ along the alignment carefully and as directed by the TWAD Board Officers.			Standard Specification				
a	100 mm DI K9 S/S Pipe	77.72	MT		1 MT (One Metric Tonne)	819.28	Rupees Eight hundred and nineteen and paise twenty eight only	63671.16
3	Lowering DI pipes and specials into the trench and laying to proper grade and alignment etc., complete and as directed by the TWAD Board Officers. For depth upto 2.0 m			Special Specification				
a	100 mm DI K9/ S/S Pipe	4033.00	RM		1M (One Running Meter)	22.12	Rupees Twenty two and paise twelve only	89209.96
4	Lowering DI Flanged pipes and specials into the trench and laying to proper grade and alignment etc., complete and as directed by the TWAD Board Officers. For depth upto 2.0 m			Special Specification				
a	100 mm DI K9/ flanged Pipe	9.00	RM		1M (One Running Meter)	22.12	Rupees Twenty two and paise twelve only	199.08
5	Jointing the C.I.D/F pipes and specials with neat cement or cement mortar and spun yarn including caulking the joints, curing including cost of jointing materials and as directed by the TWAD Board officers							
a	100mm DI slice valve	2.00	Nos		1 No (Each)	201.46	Rupees Two hundred and one and paise forty six only	402.92
b	80mm DI scour valve	2.00	Nos		1 No (Each)	195.02	Rupees One hundred and ninety five and paise two only	390.04
6	Cutting DI pipes true to its axis and finishing the ends etc., complete and as directed by the TWAD Board Officers.							

Sl. No.	Description of work	Probable quantity Figures	Per	TNBP No. Other specification	Units in	Rate in		Amount in Figures (Rs)
a	100 mm DI K9/ S/S Pipe	10.00	Nos		1 No (Each)	69.44	Rupees Sixty nine and paise forty four only	694.4
7	Jointing of Mechanical joint collar, nuts, gasket and fixing in position etc., complete and as directed by TWAD Board officers.			Special specification				
a	100 mm DI K9/ S/S Pipe	4.00	Nos		1 No (Each)	139.30	Rupees One hundred and thirty nine and paise thirty only	557.2
8	Jointing D.I-S/S Pipes and specials with rubber gaskets (tyton joint) including cost of lubricants (including cost of jointing materials) for depth upto 2m etc., complete and as directed by TWAD Board Officers.			Special specification				
a	100 mm DI K9/ S/S Pipe	733.00	Nos		1 No (Each)	83.58	Rupees Eighty three and paise fifty eight only	61264.14
9	Jointing the D.I D/F pipes and specials with rubber insertion to with IS 638(1979) and M.S. bolts and nuts of IS 1364-1 (2002), including cost of jointing materials such as bolt and nuts Rubber insertion and labour charges etc., complete for depth upto 2m etc., complete and as directed by TWAD Board Officers.			Special specification				
a	100mm dia CI / DI D/F Double flanged pipes and specials -2.50 M length	2.00	Nos		1 No (Each)	386.96	Rupees Three hundred and eighty six and paise ninety six only	773.92
b	100mm dia CI / DI D/F Double flanged pipes and specials -2.00 M length	4.00	Nos		1 No (Each)	386.96	Rupees Three hundred and eighty six and paise ninety six only	1547.84
10	Refilling the trenches with excavated earth (other than sand) in layers of 15 cm thick well rammed, watering consolidated, and complying with standard specifications for filling the trenches after the pipes and specials are laid, jointed and tested removing and spreading the surplus earth at the placed shown and as directed by the TWAD Board Officers.			SS 24, 25 & Special Specification				
a	100 mm DI K9/ S/S Pipe	4033.00	RM		1M (One Running Meter)	36.55	Rupees Thirty six and paise fifty five only	147406.15
11	Testing of D.I. pipes with hydraulic testing equipments by filling with water (including cost of water @ RS.60 /KL) and testing to recommended pressure in convenient stretches and attending the burst if any occurred during the test, excluding the cost of pipes but including other incidental and operational charges etc complete			Special Specification				
a	100 mm DI K9/ S/S Pipe	4033.00	RM		1M (One Running Meter)	88.90	Rupees Eighty eight and paise ninety only	358533.7

Sl. No.	Description of work	Probable quantity Figures	Per	TNBP No. Other specification	Units in	Rate in		Amount in Figures (Rs)
12	Construction of masonry valve pit as per TWAD Type design for Sluice Valve, Scour Valve, Air Valve including fixing the valves including earth work excavation for foundation, P.C.C. 1:4:8 using 40mm HBG metal for levelling course, brick work in CM 1:5 for side wall, plastering with CM 1:3, 12mm thick, RCC 1:1.5:3 using 20mm HBG stone jelly for cover slab, providing cut stone in CM 1:3 including supply, fabricating and placing of RTS grills for the following valves including charges for precasting and fixing surface box, valves and specials in position, refilling the sides of the pit etc., complete and as directed by TWAD Board Officers.			SS 20B,23, 24, 28, 30, 31, 31C, 35A & Special specification				
I	<b>Sluice valve in masonry pit as per Type design Plan No.2 Plate 1/5 to 5/5 CE/P&amp;D/Madras</b>							
a	100 mm SLV in 100 mm Main	1.00	Nos		1 No (Each)	17670.00	Rupees Seventeen thousand Six hundred and seventy only	17670
II	<b>Scour valve in masonry pit as per design No.8/ Madras</b>							
a	80 mm SCOUR VALVE in 100 mm Main	1.00	Nos		1 No (Each)	16010.00	Rupees Sixteen thousand and ten only	16010
III	<b>Air valve in masonry pit as per Type design No.1/91-14 CE(P&amp;D) Madras</b>							
a	40 mm dia. DAV in 100 mm main	10.00	Nos		1 No (Each)	17700.00	Rupees Seventeen thousand seven hundred only	177000
B	<b>MATERIALS</b>							
1	Supply and delivery of Ductile Iron Pipes of standard length conforming to IS 8329/2000 with inside lining with cement mortar of standard thickness and specifications and outside coating of metallic zinc as per IS specifications of the following sizes.The cost of pipes should include loading, freight, transit insurance, incidental charges, packing and transportation charges to stock yard in good condition etc., complete (the cost excluding unloading from lorries at stock yard and stocking which will be paid separately) and as directed by the TWAD Board officers.			IS 8329/ 2000 Special Specification and as amended time to time				
a	100mm DI K9 pipe	4033.00	RM		1M (One Running Meter)	1289.00	Rupees One thousand two hundred and eighty nine only	5198537
2	Supply and delivery of Ductile Iron flanged Pipes of standard length conforming to IS 8329/2000 with inside lining with cement mortar of standard thickness and specifications and outside coating of metallic zinc as per IS specifications of the following sizes.The cost of pipes should include loading, freight, transit insurance, incidental charges, packing and transportation charges to stock yard in good condition etc., complete (the cost excluding unloading from lorries at stock yard and stocking which will be paid separately)			IS 8329/ 2000 Special Specification and as amended time to time				
	<b>100mm DI K9 pipe</b>							

Sl. No.	Description of work	Probable quantity Figures	Per	TNBP No. Other specification	Units in	Rate in		Amount in Figures (Rs)
a	2.50M length pipe	2.00	Nos		1 No (Each)	4714.00	Rupees Four thousand seven hundred and fourteen only	9428
b	2.00M length pipe	2.00	Nos		1 No (Each)	4243.00	Rupees Four thousand two hundred and forty three only	8486
3	Supply and delivery of following sizes of Mechanical joint Collar including loading, transportation, insurance, unloading at site of work etc., complete and as directed by TWAD Board officers.			Special Specification				
a	100 mm DI K9 S/S Pipe	4.00	Nos		1 No (Each)	2681.00	Rupees Two Thousand Six hundred and eighty one only	10724
4	Supply and delivery of Ductile Iron fittings conforming to IS 9523 - 2000 with inside lining with cement mortar of standard thickness and specifications and outside coating of metallic zinc as per IS specification. The rate including, loading transportation insurance and unloading at site of work etc., complete and as directed by TWAD Board Officers.			IS 9523 - 2000 & Standard Specification	1 Kg(One Kilogram)			
a	100mm 90 degree bend (4 NosX11 kg) D/S	44	x					
b	100mm 45 degree bend (3 NosX10 kg) D/S	30	x					
c	100mm 22.50 degree bend (12 NosX9 kg) D/S	108	x					
d	100mm 11.25 degree bend (4 NosX9 kg) D/S	36	x					
e	100mm Duck Foot Bend	16	x					
	Total	234	Kgs			128.00	Rupees One hundred and twenty eight only	29952
5	Supply and delivery of Cast Iron Single Air Valves (SAV) (IS 14845/2000) and Double Air Valves (DAV) of following sizes - Flanged type with screw down valves combined as per G&K Catalogue Fig.No.H40 tested to a minimum test pressure of 120 metres of head of water including loading, freight, unloading, Insurance and stacking at site etc. complete and as directed by TWAD Board officers.			As per IS: 14845-2000 and as amended from time to time				
a	40 mm dia. DAV in 100 mm main	10.00	Nos		1 No (Each)	3855.00	Rupees Three thousand eight hundred and fifty five only	38550
6	Supply and delivery of DI D/F Gate sluice valves (soft seated) resilient seated soft sealing Gate Valves (Sluice Valves) with body Bonnet of Ductile cast iron of Grade GGG 40 or equivalent grade, Wedge fully rubber lined with EPDM replaceable spindle nut without gland packing and with 3 O- Ring protection on the shaft and seals of NBR and the valves should be of Vacuum tight and 100% leak proof with face to face dimensions as per BS 5163-89/ ISI 4846-2000/ DIN 3202 F4. All the valves should be with electrostatic powder coating both inside and out side with pocket less straight through body passage. All the valves are to be compatible for buried application with pressure rating PN 10/16. The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.			Special Specification				



Sl. No.	Description of work	Probable quantity Figures	Per	TNBP No. Other specification	Units in	Rate in		Amount in Figures (Rs)
a	100mm DI Valves	1.00	Nos		1 No (Each)	12929.00	Rupees Twelve thousand nine hundred and twenty nine only	12929
b	80mm DI Valves	1.00	Nos		1 No (Each)	9810.00	Rupees Nine thousand eight hundred and ten only	9810
7	Supply and delivery of CI pipes and specials to the site of work including loading, freight, unloading, stacking at site, transit insurance charges etc. complete.and as directed by TWAD Board Officers.			As per 1538/ 1993 and amended from time to time				
I	<b>For Valves -pipe</b>							
A	<b>Non Std</b>							
a	80mm to 200mm all flange	22.36	Kg		1 Kg(One Kilogram)	134.00	Rupees One hundred and thirty four only	2996.24
B	<b>Std - pipe - 80mm x 1 m DI D/F pipe</b>	1.00	Nos		1 No (Each)	2938.00	Rupees Two thousand nine hundred and thirty eight only	2938
C	<b>Specials - Std</b>							
a	80mm to 200mm All flange	287.00	Kg		1 Kg(One Kilogram)	134.00	Rupees One hundred and thirty four only	38458
	<b>Total for Part2</b>							<b>7375393.38</b>