

## SALIENT DETAILS

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|----|---------------------------|---|
| 1  | Name of the scheme        | <b>CWSS to Tsunami affected / coastal 113 habitations in Tirunelveli district under the assistance of Asian Development Bank.</b> |
|    |                           | <b>Rs.2668.33 Lakhs</b>   |
| 2. | Cost of scheme            | <b>Rs.57.60 Lakhs</b>   |
| 3. | Maintenance Cost          | <b>Rs.3158</b>  |
| 4. | Per capita cost (Present) | <b>Rs.21.51</b>   |
| 5. | Cost per 1000 liltres     |   |
| 6. | Population                |   |

Sl. No	Description	No. of Panchayat	No. of Hab.	Populations		
				Present 2006	Intermediate 2021	Ultimate 2036
1	Radhapuram Union	11	70	54777	60285	65761
2	Valliyoor Union	4	43	29717	32705	35676
3	Total	15	113	84494	92990	101437
4	Total requirement Adopting minimum 10 lpm including transmission loss				4.19MLD (3497 lpm)	4.54MLD (3785 lpm)

7. Hours of pumping : 20 Hours

8	<b>Head works</b>	
a.	Source	4.5m dia infiltration well - 5 Nos in River Tamiraparani near Ponnankurichi U/S Srivaikundam Anaicut.
b.	Pump set	Submersible – 757 Lpm X 20 m - 10 Nos
c.	Connecting main	150 mm dia CI LA class pipe (Total length 2256 m)
d.	Sump	Capacity of sump : 2.00 LL.
e.	Pump house	18m x5m
f.	Pump set	Centrifugal pump set duty 3497 lpm x 65 m (100% Stand bye)

9	Pumping main	350 BWSC ; 200mm, 315/280 200 HDPE 200/140-85 KM						
	Branch pumping mains	250mm, 140, 110 mm HDPE, 200 /140/110/90 /75/63 / 50mm PVC -76.45 KM						
10	Booster sump	Cap	Pump room	Pumpset				
	At Thottavilai At Koodankulam	1.50 LL 1.00 LL	4m x 3m 2m x 2m	Sub.2096 lpm x 52M (100% Stand bye) 1200 lpm x 40m				
	At Levenjipuram	0.30 LL	2 m x 2 m	Sub . 311 lpm x 30 m (100% Stand bye)				
11	Group Sumps	Sump capacity in Lakhs Litres.						
		0.10	0.15	0.30				
	Existing Sump	1	2	0				
	Proposed Sump	1	2	4				
	Pump room	2 m x 2 m - 4 Nos						
	Pumpset - Submersible (100% Standby)	2 HP	3 HP	5 HP	7.5 HP	10 HP		
	5	2	4	1	1			
12	Service reservoirs	0.05	0.10	0.15	0.30	0.60	1.00	
	Rural	Existing	0	13	2	55	17	9
		Proposed	1	1	-	-	-	-
	Total	1	14	2	55	17	9	
13.	Distribution system	Existing			Proposed			
		112.98KM			1 KM			
14	Public fountains	930 Nos.			3 Nos.			

**PROJECT APPRAISAL SLIP**

I. a)	Name of Scheme	<b>CWSS to Tsunami affected / coastal 113 habitations in Tirunelveli district under the assistance of Asian Development Bank.</b>
b)	Back ground of the scheme	
i	Whether the scheme was taken up earlier	NO
ii	Whether the scheme is new one/ Upgradation	New one
iii	New Projects incorporated included for the area	To be covered all Tsunami affected Coastal area in Tirunelveli District.
iv	Schemes if any executed in the same place. Failure if any to be indicated along with reasons for failure	Individual power pump schemes with bore well sources are available. Most of the bore well sources are become saline due to sea water intrusion.Coastal Habitations covered under Nanguneri Tisayanvilai CWSS are not getting water due to over drawal of water by beneficiaries at initial reach.

**Cost per 1000 litres and per capita cost :**

Cost of installation	<b>Rs.2668.33 Lakhs</b>
Annual Maintenance cost	<b>Rs, 57.60 Lakhs</b>
Intermediate requirement	<b>41.96 Lakh Litres</b>
Ultimate requirement	<b>45.42 Lakh Litres</b>
Cost per 1000 Litres	<b>Rs.21.51</b>
Per Capita Cost (Present)	<b>Rs.3158.</b>