

Implementation of Resettlement Plan

#6 Quarterly Report
For the period covering October to December 2017
Project No.: 44429-013
January 2018

India: Climate Adaptation in Vennar Subbasin in Cauvery Delta Project

Prepared by the Water Resources Department of the Public Works Department, Government of Tamil Nadu for the Asian Development Bank.

This resettlement monitoring report is a document of the borrower. The views expressed herein do not necessarily represent those of ADB's Board of Directors, Management, or staff, and may be preliminary in nature.

In preparing any country program or strategy, financing any project, or by making any designation of or reference to a particular territory or geographic area in this document, the Asian Development Bank does not intend to make any judgments as to the legal or other status of any territory or area.

Implementation of Resettlement Plan

#6 Quarterly Progress Report
For the period covered October to December 2017
Project Number: 44429-013
January 2018

IND: Climate Adaptation in Vennar Sub-basin in Cauvery Delta Project

Prepared by the
Water Resources Department, Public Works Department, Government of Tamil Nadu for the Government of India and the Asian Development Bank.

This resettlement monitoring report is a document of the borrower. The views expressed herein do not necessarily represent those of ADB's Board of Directors, Management, or staff, and may be preliminary in nature.

In preparing any country program or strategy, financing any project, or by making any designation or reference to a particular territory or geographic area in this document, the Asian Development Bank does not intend to make any judgments as to the legal or other status of any territory or area.



Loan3394-INDClimateAdaptationinVennarSubbasinin Cauvery Delta Project

**Subject: Implementation of Resettlement Plan
Quarterly Progress Report
October–December2017**

January2018

**PMU Trichy
Water Resources Organization
PWD, Government of Tamil Nadu-India**

Abbreviations

ADB	Asian Development Bank
AEE	Assistant Executive Engineer
DP	Displaced persons
GoTN	Government of Tamil Nadu
Ha	Hectares
NGO	Non Governmental Organisation
PAF	Project Affected Families
PAP	Project Affected Person
PIU	Project Implementation
PMS	Project Management Specialist
PMU	Project Management Unit
PSC	Project Steering Committee
PWD	Public Works Department
RDO	Revenue Divisional Officer
RO	Revenue Officer
RP	Resettlement Plan
SDS	Social Development Specialist
SPS	Safeguard Policy Statement
Sq.ft	Square Feet
Sq.mt	Squaremeter
VAO	Village Administrative Officer
WRD	Water Resources Department

A. Preamble

1. The Quarterly Report for the period October to December 2017, on Resettlement Plan Implementation, provides an overview of the progress made and activities undertaken as part of the resettlement plan implementation.

B. Project Description

2. The Climate Adaptation in Vennar Sub-basin in Cauvery Delta Project (CAVSCDP) supports the implementation of the Government of India's National Action Plan on Climate Change (NAPCC) of 2008 and its National Water Mission (NWM). The project will improve irrigation water management in six channels namely Pandavaiyar, Vellaiyar, Harichandranathi, Adappar, Valavanar, and Vedaranyam Canal, covering a total command area of 78,000 hectare (ha) in the Vennar sub-basin of the Cauvery delta sprawling across Thiruvarur and Nagapattinam districts (Figure 1) of the state of Tamil Nadu, through investments in infrastructure, water resources management, and flood risk reduction.

3. Modernization of irrigation system by design, construction and improved management are the major tasks of the project. The important activities of the project are

- a) re-sectioning of and embankment strengthening of river/canals,
- b) de-silting of river bed, and
- c) construction of new or rehabilitation of old or reconstruction of head regulators, cross regulators, drainage outfall, irrigation outfalls and infall of falls six rivers of Vennar sub-basin.

4. Improved management will be delivered through non-structural interventions designed to (i) improve the management of surface water and ground water resources, and (ii) manage flood risks and flood events.

5. The re-section also involves de-silting of river bed to the natural level, details of distance of rivers is given below in Table-1

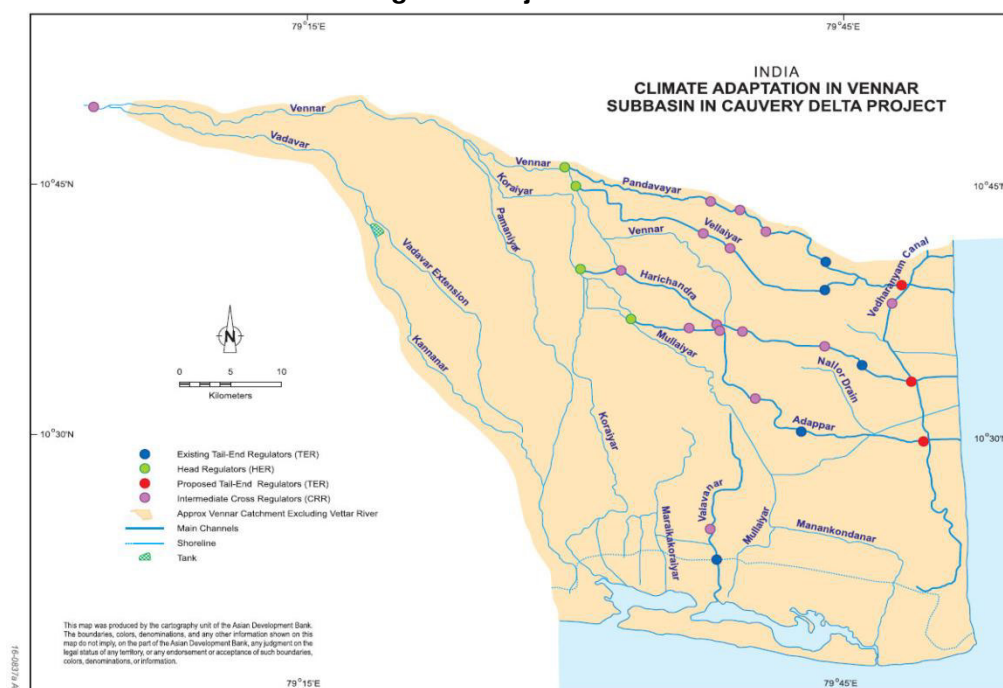
Table 1: Details on Rivers and Distance

SNo	Rivers	Distance in Kms
1	Harichandranathi	42.92
2	Adappar	41.19
3	Pandavaiyar	38.75
4	Vellaiyar	46.40
5	Valavanar	19.00
6	Vedaranyam Canal	46.20

Source: Census and Social Survey, October-November 2015

6. Since the project involves involuntary resettlement, a Resettlement Plan (RP) was prepared based on the final detailed design, after establishing the boundary of the project area. The socio economic survey carried out in December 2015 identified that the proposed project would involve impact to encroachers and squatters living along the bunds of the rivers, and the resettlement plan was prepared to mitigate the involuntary resettlement impacts. The RP is based on the census and socio-economic survey of the project affected households (PAHs) in six rivers/channels proposed for improvement under this project viz. (i) Harichandranathi (ii) Adappar (iii) Pandavaiyar (iv) Vellaiyar (v) Valavanar; and (vi) Vedaranyam Canal.

Figure 1:ProjectArea



Source:ADB-ProjectAdministrativeManual,May2016

C. Land Required for Implementing RP

7. The project did not involve any land acquisition and all improvements were proposed within the Right-of-Way (RoW) of WRD. The RoW was established in the field by the revenue officials based on revenue records. The project involved impact to the encroachers and squatters occupying the banks of the river/canal and who are within the RoW.

8. Based on the baseline study, it was reported that the implementation of the project would affect 3,235 private structures, comprising of 2,642 residential structures, 349 commercial structures, 129 residence cum commercial structures and 115 cattle shed/shelters, totally involving about 12,887 affected persons. Further, 157 common property resources would also be impacted. The involuntary resettlement (IR) impacts identified during a survey summarized in Table 2 below.

Table 2:DetailsonRiverWiseOwnershipofImpactedStructures

Tenure	Pandavaiyar	Vellaiyar	Harichandranadhi	Adappar	Valavanar	V - Canal	Total	Percentage
Owner	76	289	402	177	1	1	946	29.2
Encroacher	3	14	10	4	-	-	31	1.0
Squatter	320	697	657	305	6	35	2020	62.4
Squatter-Tenant	21	18	109	9	2	3	162	5.0
Tenant	5	6	64	1	-	-	76	2.3
Total Structures	425	1,024	1,242	496	9	39	3,235	100.0
Total PAFs	425	1,024	1,242	496	9	39	3,235	
Total PAPs	1,687	4,219	4,931	1,865	45	140	12,887	

Source:CensusandSocialSurvey,October-November2015

9. Since the encroachers and squatters have occupied the embankments and are within the Right of Way (RoW), they are required to be resettled and/or rehabilitated prior to civil works and hence the implementation of the RP becomes indispensable. For resettling

the squatters who would be affected by the project, it has been estimated that about 15 ha (i.e almost 37 acres) of land is required. These PAPs will have to be resettled either in government lands or by purchasing private lands with project constructed houses. It has been proposed that each affected household will be provided with 75 sq.mt of land including land required for common space.

10. The progress in RP implementation for the period October to December 2017 is detailed below.

D. Joint verification of Displaced Houses

11. The joint verification process of the squatting and encroachments have been completed in all six rivers viz., Pandavaiyar, Vellaiyar, Harichandranathi, Adappar, Vedaranyam Canal and Valavanar with the support of NGO. ROW boundary was re-established in the stretches where RoW stones were missing and resurvey of assets in these stretches were completed. With the completion of joint verification in all 6 rivers, the 2771 Affected Persons (APs) entitled for alternate house as assessed during the baseline survey, has reduced to 1553 APs requiring alternate house. Of the remaining, 248 APs opted for cash in lieu of house and 970 APs are found to be either unaffected as they are outside the right-of-way or not eligible as they own a house elsewhere. There are 242 APs losing either their place of business or cattle shed etc and are eligible for replacement cost for structure and/or rehabilitation assistances The updated data of PAPs is given in Table-3.

Table 3: Details on Updated data of Project Affected Families Houses planned, accommodation suggested in the Enter upon sites and requirement of further land

River	Compensation Opted		Total	Enter upon sites suitable for houses	No. of houses than can be accommodated in sites found suitable	No. of Houses for which land is required	Further land required in Ha.
	Cash	House					
Pandavaiyar	62	315	377	0.808	112	203	1.52
Vellaiyar	83	559	642	1.41	89	470	3.53
Harichandranathi	281	421	702	3.155	306	115	0.86
Adappar	57	240	297	3.095	129	111	0.83
Vedaranyam Canal	7	17	24	0	17	0	0.00
Valavanar	0	1	1	0	1	0	0.00
Total	490	1553	2043	8.468	654	899	6.74

E. Issues of Identity Cards

12. The NGO has completed the preparation of identity cards for all 2043 APs, comprising 1553 physically displaced APs who have opted for alternate house, 248 physically displaced APs who have opted for cash in lieu of house, 208 economically displaced APs and 34 APs facing insignificant impact such as loss of cattle shed, compound wall, etc. Nearly 1500 APs in Pandavaiyar, Vellaiyar, Adappar and Harichandranathi have been issued ID cards and the balance cards including the cards that require corrections are expected to be issued by end of January 2018.

13. Absentee PAFs were given ID cards during subsequent visits and grievances related to non-receipt of ID cards and printing error/mistake in the cards were resolved in the process. The cards were distributed to the PAFs in each affected hamlet in the presence of jurisdictional Assistant Engineers along with NGO personnel. The status of ID card distribution is given in Table-4.

Table 4: Details on Identity cards issued to the Eligible PAPs as of 31 December 2017

Name of the River	Total Cards Printed	Cards Issued	Cards to be Corrected	Balance
Pandavaiyar	341	329	12	-
Vellaiyar	625	558	52	15
Harichandranadhi	664	662	0	2
Adappar	278	203	2	73
Valavanar	1	1	-	-
Vedharanayam Canal	22	22	-	-
Total	1931	1775	66	90

F. Grievance Redress Mechanism

14. As of 31 December 2017, the PMU and PIU, Thiruvarur had received grievances from 266 persons, of which 215 requested for resettlement benefits, 33 requested for resurvey to establish the right of way, 9 requested for change of beneficiary name, 7 requested compensation for land and trees, 2 were regarding the concerns of location of tail end regulators in Harichandranathi & Adappar. Out of 266 grievances, 104 have been verified by the WRD officials with the support of Social Development Specialist and the NGO, and reported to the PIU, Thiruvarur. The reply on the acceptance or rejection of the grievances was communicated to 97 APs. The remaining grievances are being verified and communication would be sent by end February 2018 (Please see Table-5).

Table 5. Status of Grievances Received

Sl.No	River	Number of Grievance			Verified	Reply sent to APs		Pending
		PMU	PIU	Total		Decided in favour of AP	Rejected	
1	Pandavaiyar	-	62	62	5	--	5	57
2	Vellaiyar	-	48	48	39	14	25	9
3	Adappar	1	50	51	46	27	19	5
4	Harichandranathi	1	104	105	14	10	4	91
	Total	2	264	266	104	51	53	162

H. Valuation of affected Structures

15. List of PAPs who opted for cash for their affected structures were submitted to PMU through the PIUs and forwarded to PWD (Buildings Wing) for carrying the valuation for the assets by adopting current schedule of rate without depreciation. Social Development Specialist had meetings with PWD (Buildings) and requested them to complete the valuation of assets at the earliest to enable payment of replacement cost to the structure and/or R&R assistances to the APs.

16. The process of valuation of project affected structures in Harichandranathi has commenced and 96 structures were valued in the month of December 2017. The Engineers of PWD buildings did the valuation with the support of the jurisdictional Assistant Engineers of WRD and staff of NGO. The valuation of all the cash optioned AP's structures is expected to be completed by 28 February 2018. Some issues faced during valuation of affected structures are listed below.

- i. The PAFs who opted for houses during baseline survey and joint verification have changed their mind and now ask for cash and vice versa
- ii. Spouse of the PAFs, especially women requested for house instead of money afraid that the male member would spend money lavishly if they receive cash as compensation.
- iii. Affected portions of the area of the structures could not be measured exactly while valuing the affected structures as the PWD boundary stones were not laid near structures. Engineers wanted survey of the boundary in these areas.
- iv. PAFs who had opted for house were curious to know the location of the resettlement site, and whether the site would be located in the vicinity.
- v. PAFs doubt that the replacement cost paid in cash would be lesser than their costs spent for the affected house
- vi. Some of the PAFs have opted for house initially and now changed their mind and opt for cash to build house in their own plot by availing compensation from CAVSCDP and grant form State Government under green house scheme.

I. Status of construction of Houses

17. Out of nearly 1553 houses to be constructed, which need a total extent of 14.52 Ha, the enterupon permission was obtained only for 8.468 Ha. While demarcating the boundary and verifying suitability of the sites for which enter upon was received, some revisions had to be done in the design, site development etc which lead to revision of the estimate. The approved design was shared with the ADB Mission on 02 December 2017 at Nagapattinam. The modified design includes the provisions for internal water supply in each tenement with a tap in kitchen, in the toilet and in the backyard of the tenement with supply through overhead tank and provision of a rear exit door as recommended by the mission. Alternate site has also been requested from the District Collector in lieu of sites that were given and having approach issues. The status of construction of houses is given in Table-6.

Table 6: Status of construction of Houses

River	Number of Houses for which Tender Floated	Number of Houses for which Construction Awarded	Progress in Construction			
			Foundation up to Plinth Level	Lintel Level	Roof Slab and Completion of Basic Structure	Finishing and Ready for Handing Over
Pandavaiyar	96	16	Just started	-	-	-
Vellaiyar	70	56	Just started	-	-	-
Harichandrana dhi	190	-	-	-	-	-
Adappar	64	-	-	-	-	-
Vedaranyam Canal	-	-	-	-	-	-
Valavanar	-	-	-	-	-	-
Total	420	72	-	-	-	-

J. Identification of Resettlement Sites

a) Meeting with Revenue Officials

18. The Social Development Specialist met the Tahsildars of Kilvelur and Thirukuvalai taluks of Nagapattinam District and Koothanallur, and Thiruvarur Taluks of Thiruvarur district for identifying lands to resettle the PAFs in all six rivers. The updated lists of PAFs with the details of requirement of land in all affected villages of each taluk were also furnished to them to find further lands. The updated progress in identification of lands is given in Table-7.

19. Meeting with DROs of Thiruvarur and Nagapattinam were also held regarding identification of land for resettlement. The RDO of Mannargudi region has consented to identify appropriate lands and conducted review meetings with Revenue Inspectors for the same purpose.

b) **Outcome of the meeting**

- i. The Tahsildar of Kilvelur has issued pattas to the 19 PAFs residing in Pandavaiyar at Erayankudi village and land has been allotted.
- ii. The VAO of Palakurichi has identified lands for 17 PAFs of Palakurichi hamlet for locating in Vellaiyar
- iii. The Tahsildar of Thiruvarur has ensured that the patta land already provided to the PAFs of Athur village could be used for construction by verifying the patta holders and there is no encumbrance from the Revenue Department.

Table 7:. Progress in Identification of Land for Resettlement as on 31 December 2017

River	Number of APs Identified for Alternate House	Number of Houses that can be Built in Sites Identified and NoC Obtained	Sites Identified and Submitted to DC for getting NoC			Number of APs to Whom Site To be Identified	Land required in Sq.Mt.	Land required in Ha.
			Till 31.11.2017	Dec17	Cumulative			
Pandavaiyar	315	112	0	19	19	184	13875	1.39
Vellaiyar	559	109	0	17	17	433	32475	3.25
Harichandranadhi	421	190	0	0	0	231	17325	1.73
Adappar	240	64	0	0	0	176	13200	1.32
Vedaranyam Canal	17	17	0	0	0	0	0	0.00
Valavanar	1	0	0	0	0	1	75	0.01
Total	1553	492	0	36	36	1025	76950	7.70

K. Meetings with officials of PIUs and PWD-Building

20. PMU conducted a review meeting involving all EEs and AEEs of PIUs of Thiruvarur, Thiruthuraipoondi and Nagapattinam at Thiruvarur and Thanjavur, during the visit of Mr. V. Chandrasekaran, Social Safeguards Specialist, ADB and Dr. R. Rajkumar, Social Development Specialist, CAVDSCDP was also present. The following were discussed.

- a) Enquiry and verification of grievance should be completed for the remaining petitioners in Vellaiyar and Harichandranathi
- b) Reply on grievances to the completed petitioners has to be sent from PIU, Thiruvarur about the decisions
- c) Expedite the process of obtaining lands for construction of houses to the PAPs.
- d) Remind PWD buildings to initiate and complete the valuation of encroached structures for providing cash compensation to the PAPs
- e) AEEs and AEs could approach respective Tahsildars in identification of appropriate lands for resettlement
- f) Complete distribution of ID cards to PAPs in all rivers
- g) Conduct meeting with Project Director, officials of CAVSDDP and EE and officials concerned of PWD Buildings to finalize building plan, layout and estimate, to arrive at consensus for the site specific issues.
- h) All sites for which entry has been received need to be surveyed and boundary stones to be laid at the earliest to demarcate the project site

- i) At Kadanthethi site, soil tests were conducted in 17 places and confirmed that the pile foundation is required for the construction and suitable material has to be transported from outside for land filling.
- j) Approach road leading to Kandanthethi site also need to be surveyed and road has to be laid.