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IMPROVEMENTS AND RECONSTRUCTION OF THE MICRO & MACRO DRAINAGES IN CHENNAI CITY UNDER JAWAHARLAL NEHRU URBAN RENEWAL MISSION.

## **NECESSITY OF PROJECT**

In Chennai city, the frequent flood due to North East Monsoon causes Natural calamities like, inconvenience to the public, damaged to the infra structure, loss of lives. The Government incurring Crore of rupees every year towards the compensation and rehabilitation and restoring the flood damages etc.

This made Corporation of Chennai to prepare a comprehensive master plan for the improvements of Micro and Macro drainages in Chennai city which maintained by the Corporation of Chennai and Water Resources Department of Public Works Department respectively.

## BRIEF REPORT OF THE PROJECT

In the above line the detailed Project Report for the improvements to Micro and Macro drainages in four basins of Chennai for a total value of Rs 1447.91 Crore prepared by the consultant were placed in the eighth state level steering committee meeting held on 04.12.2008 headed by the Hon'ble Ministers for Local Administration and recommended for Government of India approval under JnNURM.

## APPROVAL BY THE CENTRAL GOVERNMENT

The DPR's were sent to the JnNURM Directorate under Ministry of Urban Development, New Delhi on 10.12.2008 through TUFIDCO. After the scrutiny and technical appraisal by the CHPEEO, the DPR were placed before the central Sanctioning and Monitoring Committee and approved, as given below. During the appraisal the Engineers from Corporation of Chennai and Public Works Department and representative from the consultant were also presented.

Rupees in Crore

Serial No	Basin	Proposal Cost	PWD Component	Chennai Corporation Component
1	Northern basin	359.86	82.69	277.17
2	Central basin	345.00	83.89	261.11
3	Eastern basin	444.07	303.67	140.40
4	Southern basin	298.98	162.78	136.20
	Total	1447.91	633.03	814.88

In the above comprehensive proposal approved by Government of India, the Government of Tamilnadu have given it administrative sanction for the following works in Macro drainage to be executed by PWD in G.O.Ms No. 7 PW(K1) Dept Dt: 06.01.2010.

The above works were inaugurated by the Hon'ble Chief Minister of Tamilnadu on 29.5.2010. The works will be completed in three years period. The present stages of works are detailed below.

Package No		Name of Work	Estimate Cost (Rs in Lakh)	Present Stage
1	а	Improvements to Kodungaiyur Drain for 400m	115.38	Work commenced and preliminary works are
b		Construction of a diversion Channel for Kolathur tank Surplus	1900.00	in progress. Work will be executed
	c Straight cut diversion channel for directing flood water from Otteri Nullah to Cooum River		987.95	continuously and completed within the target period.
	d	Improvements to Otteri Nullah	3301.90	
Total		6305.23		
2	а	Improvements to Maduravoyal Tank surplus course.	1752.46	Work commenced and preliminary works are in progress. Work will be executed continuously and completed within the target period.
	b	Short cut diversion channel from Virugambakkam- Arumbakkam drain to Cooum River	2597.50	
	С	Improvements to Virugambakkam  – Arumbakkam Drain	4038.92	Work commenced and in progress.
	Total		8388.88	
3		Improvements to North Buckingham Canal.	11005.33	Work commenced and preliminary works are in progress. Work will be executed continuously and completed within the target period.
Total		11005.33	3 1	
4		Improvements to Central Buckingham Canal.	6862.21	Tender to be called for shortly.
Total		6862.21		
5		Improvements to South Buckingham Canal.(from Adyar to Okkiyam Maduvu)	4685.86	Work commenced and preliminary works are in progress. Work will be executed continuously and completed within the target period.
Total		4685.86		

Package No		Name of Work Improvements to South Buckingham Canal.(from Okkiyam Maduvu to Muttukadu)	Estimate Cost (Rs in Lakh) 7813.79	Present Stage  Work commenced and preliminary works are in progress. Work will be executed continuously and completed within the
				target period. Expenditure incurred Rs 2.00 Crore towards mobilization advance.
Total		7813.79		
7	а	Improvements to Veerangal Odai (Construction of Flood Protection Wall)	2390.00	Work commenced and in progress. Work will be executed continuously and completed within the target period.
	b	Shortcut diversion drainage channel from Velachery tank surplus to South Buckingham canal near Tidal Park	5815.00	Work commenced and preliminary works are in progress. A sum of Rs 11.40 Crore has been paid to TNEB.
Total		8205.00		
8		Improvements to Ambattur Tank Surplus drainage Channel	1963.31	As the first stage, Land transfer works are in progress in Ambattur Industrial area.
Total		1963.31		
!	9	Improvements to Porur Tank Surplus Course.	2696.46	As the first stage, Land Acquisition works are in progress.
Total		2696.46		
10		Buckingham Canal near Okkiyam Maduvu to sea.		As the first stage, Land Acquisition works are in progress.
Total			5376.43	

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