

# Kolkata Environmental Improvement Project



## Quarterly Progress Report No. 28 for Quarter Ending 31st March 2010



**Kolkata Municipal Corporation**

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## EXECUTIVE SUMMARY

Reference	Remarks		
<b>Project Costs</b>	<b>(Based on Revised Estimates of Funding)</b>	<b>In USD Million</b>	<b>In INR Million</b>
Existing Loan 1813 IND	Total Estimated Cost	287.77	12949.81
	ADB Loan component*	177.77	7999.81
	GoWB contribution	54.60	2457.00
	KMC contribution	55.40	2493.00
Supplementary Loan 2293 IND	Total Estimated Cost	113.60	5112.03
	ADB Loan component	80.00	3600.00
	GoWB contribution	19.50	877.53
	KMC contribution	14.10	634.50
	<b>Total Estimated Project Cost (excluding DFID)</b>	<b>401.37</b>	<b>18061.84</b>
	DFID Grant Component	42.00	1932.00
	* After cancellation of interest component by ADB on 14.04.2005 as per request of GoI.		
<b>Project Progress at a Glance as on 31<sup>st</sup> March 2010 (excl DFID)</b>		<b>No. of Packages</b>	<b>Amt (INR Mn)</b>
Existing Loan 1813 IND	<b>Total Work Packages/ Contracts</b>	<b>91</b>	<b>10659.79</b>
	Contracts Executed	49	1659.96
	Contracts under implementation	32	7504.20
	Tenders have been floated	7	988.51
	Tenders yet to be floated	3	507.52
	The above excludes Salary, Establishment, Land, Interest charges, Taxes & Contingencies		
Supplementary Loan 2293 IND	<b>Total Work Packages/ Contracts</b>	<b>27</b>	<b>4750.02</b>
	Contracts Executed	0	0
	Contracts awarded under implementation	25	3666.00
	Tenders have been floated	1	720.00
	Tenders yet to be floated	1	364.00
	The above excludes Salary, Establishment, Land, Interest charges, Taxes & Contingencies		
Expenditure Forecast	For Next 2 Quarters (1813 IND)	<b>911.49 INR Mn</b>	
	For Next 2 Quarters (2293 IND)	<b>700.99 INR Mn</b>	
<b>Claims Status as 31<sup>st</sup> March 2010</b>		<b>Amount (INR Mn)</b>	
		<b>KMC</b>	<b>I&amp;WD</b>
	Claims pending with DEA	100.60	18.80
	Claims pending with ADB		-
	Claims reimbursed by ADB but lying with DEA		
	Claims received by GoWB but not yet released		
	Claims not sent to DEA/ADB	11.20	0
	<b>Total</b>	<b>111.80</b>	<b>18.80</b>
<b>Problem Contracts on Watch List:</b>			
<ul style="list-style-type: none"> <li>• Major S &amp;D Packages (SDE,SDF1 &amp; SDF2)</li> <li>• SDD2-Contract Terminated, Fresh bidding done for the left over works under package SDD4.</li> <li>• All DWF Pumping Stations Packages</li> <li>• Canal Pumping Station CW01: Contract Terminated, Fresh Bidding done under package CW22, CW23 and CW 24</li> <li>• Canal rehabilitation Package (CW11, CW12 Lot1 &amp; CW14)</li> <li>• Bridges over Canals (CW04)</li> </ul>			
<b>Outstanding Risks and Issues:</b>			
<ul style="list-style-type: none"> <li>• The completion of the Project under existing loan is now scheduled at Dec 2010, excluding a one year maintenance period. Achieving this date requires strict adherence to the current planning schedule. However, for certain contracts it has been identified that the date of December, 2010 cannot be achieved.</li> <li>• Completion of the project under the supplementary loan is scheduled for Dec 2010, excluding one year maintenance period. However, for certain contracts it has been identified that the date of December, 2010 cannot be achieved.</li> </ul>			
<b>High Priority Actions to be Taken:</b>			
<ul style="list-style-type: none"> <li>• Stricter management of construction contracts to ensure completion within scheduled time.</li> <li>• Rigorous scheduling and planning of interfaces between the various contracts.</li> </ul>			

## CHAPTER 1 INTRODUCTION AND STATUS

### 1.1 Project Description

Urban environmental infrastructure in the inner core area of KMC is among the oldest in India, with drainage systems around 140 years old, and needs to be upgraded immediately. In the outer fringe areas, infrastructure for drainage is grossly inadequate. Only 32% of the outer population is connected to a water system, 18% to a sewerage system, below 50% of the area is covered by a drainage system, and less than 70% of the area is served by solid waste collection. In addition, industrial wastes flow - largely untreated - into the surrounding environment exposing the community to acids, toxic chemicals, paints, varnish and other highly toxic compounds.

Due to the flat terrain of Kolkata, storm water and sewerage have to be pumped into receiving water bodies. During the rainy season, flooding is exacerbated by undersized drains; drains blocked by uncollected solid waste, and silted canals. This frequent flooding increases exposure to pathogens from overflowing septic tanks, flooded garbage heaps and other sources, and is most severe in the low-lying slum areas.

In this context, Asian Development Bank (ADB) has agreed to finance the improvement of sewerage and drainage for the added areas of KMC and solid waste management (SWM) and slum improvement for entire KMC area over a five-year period under the project "Kolkata Environmental Improvement Project (KEIP)".

The objectives of this project are as follows:

- Improve the environment in the added areas of Kolkata
- Provide affordable access to basic urban services in slum areas
- Facilitate community empowerment through participatory processes
- Protect environment from adverse development impacts
- Help KMC to become a proficient and autonomous civic body.

The primary sub-projects of the KEIP project are:

- a) Sewerage and Drainage Improvement (including parks & lakes)
- b) Canals Improvement Works
- c) Solid Waste Management
- d) Slum Improvement
- e) Resettlement, Rehabilitation and Stakeholder Consultation Process
- f) Implementation Assistance and Capacity Building.

The total cost of the project is currently estimated to be US\$ 401.37 Million.

Under the Existing Loan (1813 –IND) ADB is financing USD177.77 million. This is after cancellation of the Interest and Commitment Charge component as per request of Government of India. The remaining cost shall be financed by Government of West Bengal (USD 54.6 million) and by KMC (USD 55.4 million).

In addition DFID funds much of the capacity-building sub-project (USD 42 million as grant amount).

In October 2005, the Government of West Bengal had requested the Government of India, who in turn requested the ADB for a Supplementary Loan due to cost overruns in the work packages awarded so far in the major Sewerage and Drainage component, leaving a deficit for taking up works in Boroughs VII and XV. Further, additional work needs to be done in the canals to realise the full benefits of the sewerage and drainage works contemplated in the Project. The Supplementary Loan was approved by the Board of Directors of the ADB on 14th December 2006. This Loan (2293-IND) has been signed on 21<sup>st</sup> February 2007.

Under the Supplementary Loan (2293 IND) ADB is funding USD 80 million, GOWB is funding USD 19.5 million and KMC is funding USD 14.1 million.

Details of the estimate of total sources and applications of funds for the project are given in Tables in chapter 2.

The Project was initially scheduled to be completed in July 2007. Completion of the project, including the last Implementation Maintenance Period, has been rescheduled to December 2010.

## **1.2 Project Scope & Methodology**

### **Existing Loan -1813 IND**

The main project has been divided into 6 sub-projects. Each sub-project is sub-divided into components. Each component is further divided into different work packages for ease of execution. These works packages are defined based on geographical location, estimated value, and ease of execution. A total of 82 work packages excluding land acquisition work packages, contingencies and internal cost centres such as Salary and Wages, establishment charges, etc., have been defined. Details of the same relating to various components and sub-projects, excluding the 2 land acquisition work packages (for Sewerage & Drainage and Canals) and the 2 work packages for Salary and Wages and Establishment Expenses respectively, are given in Table 1.2.1 (refer Annexure) Each work package has been given a unique number for monitoring the same effectively.

The scope of work was formulated after initial survey of requirements and stakeholders consultation process (SCP). Further in July 2003, it was agreed to by ADB and KMC that hazardous and bio-medical waste management parts related to Solid Waste Management sub-project should be omitted and the allocated fund of US\$ 19 million should be utilized for Sewerage & Drainage Network in Borough VII.

### **Supplementary Loan -2293 IND**

The works packages included in the Supplementary loan has been divided into 4 sub-components. A total of 17 work packages have been defined excluding salary and wages, establishment and contingencies. Table 1.2.2 (refer Annexure) gives a summary of the work packages contemplated under the Supplementary loan.

### **Methodology**

The methodology adopted in preparing this report is the following:

1. All work packages are considered to be in the design stage till the approval of the employer is received.
2. The bid preparation stage starts once the final designs are approved by the Employer and ends when it is either approved by ADB.
3. The bid tendering stage starts from floatation of the tender document till signing of the Contract.
4. The implementation stage starts from issuance of notice to proceed till handing over of the works.
5. The work package is considered completed on execution of work.

#### **1.2.1. Brief Overview of the Sub-Projects**

##### **Sewerage and Drainage**

The sewerage and drainage component of the project covers pre-identified wards (through a Feasibility Study conducted in 2000) in boroughs XI to XV, I & VII. Underground trunk lines are being laid with house connections with proper arrangement of interception and diversion of Dry Weather Flow to Sewage Treatment Plant through pumping stations. Storm water is discharged to outfall canal networks through gravity flow. Existing sewage treatment plants (South Suburban East, Bangur and Garden

Reach), pumping stations are being augmented and new pumping stations are being constructed matching with generated flow.

### **Parks & Lakes**

The component of parks and lakes entails landscaping, restoration and widening of pavements, construction and painting of boundary walls with railings, gates, electrical work, sitting arrangements, cleaning and excavation of the water bodies, etc. There are 16 parks & lakes covered by the Project.

### **Canal Improvement Works**

The concerned canal networks (Tollygunge Panchannagram, Manikhali, Churial, and Keorapukur) are being re-excavated to carry the storm water flow. Works on the canals have been streamlined so that they dovetail with the resettlement of canal bank dwellers and the sewerage and drainage work. Various bridges are being constructed (replacing the earlier ones) under the Project for ensuring smooth flow of water through the rehabilitated canals. 3 canal pumping stations are being set up at Chowbhaga, Keorapukur and Monikhali for efficient pumping of the storm water through the canals.

### **Resettlement of Canal Bank Dwellers**

Canal rehabilitation work in KEIP involves resettlement of 3626 families living along the banks of the canals prior to taking up canal rehabilitation works under the Project. The settlement schedule has been drawn up according to the work schedule of canal rehabilitation. Each of these families is being provided with flats constructed within 2 to 3 km from its present place of residence on the canal banks. Provision of flats to the project affected families has been possible because of the dovetailing of resettlement budget with the government schemes of housing for urban poor i.e. VAMBAY and BSUP. (Details of BSUP & VAMBAY Schemes are given in details under Resettlement head in chapter – 3)

A unique feature of resettlement under KEIP is adding rehabilitation to resettlement strategy by:

- ✓ Providing coverage under various govt. schemes to the resettled people for their social security & enhanced income leading to improved quality of life.
- ✓ Facilitating and providing handholding support through NGOs to the project affected people for forming user groups and self-help groups for O & M of the residential complex & for basic civic services.
- ✓ Giving the title of the flat in the name of the women head of the family.
- ✓ Facilitating behavioural change among the beneficiaries for ensuring healthy community life, hygienic practices and cleanliness.

### **Slum Improvement Works**

The Project is addressing the environmental conditions of selected slums across the city in various wards from 1-100. A crisis management approach addresses the urgent demands for sanitation in these low-income settlements through repairing and restoration of neighbourhood access lanes; electric lighting to illuminate lanes and open public spaces; widening, realignment, and lining of drains; construction of sewer/drains; construction, repair and renovation of toilets, baths and urinals and improving public open space. KEIP is also working with the slum communities facilitating the coverage of urban poor among them under various social sector schemes of the government. Self employment, micro finance, opening of bank accounts, life skill training, birth registration etc are the focus areas under the following overall guiding strategy for improvement of quality of life of slum dwellers and urban poor:

## **Solid Waste Management**

This component is aimed at improving the municipal waste management. To ensure this the Project is replacing open vats with closed ones by procuring new containers and dumper placer vehicles, making landfill operations efficient through procurement of bulldozer and other necessary equipments and introducing mechanical road sweepers.

## **Capacity Building Programme (CBP)**

This component of KEIP is funded by DFID. CBP aims at transforming KMC into an institution of excellence in city administration and good governance, providing sustainable and equitable urban services in the city especially to the poor. The components of CBP are: -

- ❖ Organizational Development with focus on delegation – linked decentralization to enhance the capacity of the internal organization.
- ❖ Information technology including web strategy and presence
- ❖ Geographic Information System with focus on revenue mapping, municipal infrastructure planning, resource / assets mapping and poverty mapping
- ❖ Social Sector with focus on elimination of urban poverty
- ❖ Urban Planning
- ❖ Financial Management

## **Public Consultation and Disclosure**

Field level committees have been formed in Project areas for every major component of the Project. These Committees consist of local councillors, borough chairperson and members of the public. Headed by the Borough Chairperson, the Field Level Coordination Committee (FLCC) for each of the major S&D packages has representation of the various government departments / agencies involved in public utilities. The FLCC meets every month to setup target for the month and to review progress during the previous month. It also addresses the issues of inter-departmental coordination at the field level.

The Field Level Committees (FLC) setup in each of the slum in which KEIP is working is headed by the local councillor with adequate representation of the slum dwellers. Prioritization and finalization of scope of work for each slum is done by the FLC followed by monthly monitoring and review. The canal resource groups setup for R&R activities of the Project serve the same purpose. Project Information Centres have been setup for each lot of the major S&D packages.

In addition, a central Public Information Centre-cum-sub-project office has been/is being setup in each borough office (7) for dissemination of information to the public at large and maintaining liaison with the borough and field level officials. These Centres also serve as public grievance mechanism.

The website of the Project [www.keip.in](http://www.keip.in) gives up to date information on physical and financial progress of the Project. Besides being a platform for tendering purposes, this website also provides information on each of the job awarded under the Project with necessary details. The website is a part of the public grievance redressal network of the Project.

## **1.3 Project Implementation**

### **1.3.1. Major Issues**

A more detailed account of the progress and issues related to the individual sub-projects and components is provided in Chapter 3 (for existing loan) & Chapter 4 (for supplementary loan) respectively of this progress report. Major issues that affect the progress and implementation of the overall Project are summarised hereunder.

### **Canal Rehabilitation Works and Resettlement**

The canal rehabilitation works are on the critical path of project completion, i.e. these works determine the total duration of the project. A bottleneck was the requirement that people living along the banks of the canals had to be resettled before the rehabilitation contracts awarded. The project has now adopted the policy by which a contract can be awarded when there is a time schedule for resettlement. The first canal rehabilitation contract was awarded in January 2006, at present about 76% of the affected households are resettled. Currently 2 packages are in various stages of implementation.

### **Scope of KEIP works**

It is being assured that all works that will be implemented ensure the completion of all related components of infrastructure in a given geographical area, and contribute optimally to the KEIP project objectives.

### **Sewerage and Drainage Works**

Implementation of the large S&D contracts encounter delays because of i) Complexities at the work areas and ii) inadequate scheduling of interfaces with related contracts such as DWF pumping stations and Canal Works. Several of these contracts risk infringing on the scheduled completion date of the Project.

### **Project Implementation Schedule**

Implementation and completion of many of the Sewerage and Drainage and Canal Work packages are inter-related. In general, downstream facilities require being completed and commissioned before upstream works can be executed. These interfaces have not always been considered while individual contracts were tendered and awarded. Reviews of the interfaces between contracts are being carried out with the objective to minimize possible negative impacts on contract implementation.

### **Construction Supervision**

All 12 contracts for the construction of all the major packages of S&D networks are being implemented. To face this large task the Project continues to develop and support the Contract Management Unit in PMU in staff development, strengthening of supervision and contract management procedures, and the development of a monitoring and quality control system.

## 1.4 Project Status

Physical progress based on weighted progress in each work package is summarised in table 1.4.1. The tables below give (1.4.2 and 1.4.3) a snapshot of component wise summary of the project's financial status for 1813- IND & 2293- IND.

<b>Table: 1.4.1 Component wise Physical Progress Status as on 31.03.2010</b>					
<b>Physical Progress</b>	packages / amounts		Physical Progress as on 31.12.2009	Physical Progress as on 31.03.2010	expected compl. date
	contracts	mill INR			
<b>Original Loan 1813 IND</b>					
Sewerage and Drainage Works	30	6,825.50	71%	75%	Mar-11
Canal Improvement Works	15	1,960.63	28%	29%	Nov-10
Solid Waste Management	10	251.36	100%	100%	
Slum Improvement Works	15	413.16	100%	100%	
Resettlement*	14	310.97	99%	99%	Sep-10
<b>sub-total original loan</b>	<b>84</b>	<b>9,761.62</b>	<b>65%</b>	<b>68%</b>	Mar-11
<b>Supplementary Loan 2293 IND</b>					
Sewerage and Drainage Works	12	3,508.08	34%	39%	Nov-10
Canal Improvement Works	10	858.06	33%	40%	May-11
<b>sub-total suppl. loan</b>	<b>22</b>	<b>4,366.14</b>	<b>34%</b>	<b>39%</b>	Mar-11
<b>grand-total entire KEIP</b>	<b>106</b>	<b>14,127.76</b>	<b>56%</b>	<b>59%</b>	Nov-10

\* The amount in Resettlement column represents KEIP's share of the contract value. The percentage of physical progress as on 31.03.2010 has been calculated considering the revised allocation of ADB's fund between IND 1813 and IND 2293.

**Kolkata Environmental Improvement Project**  
**Table 1.4.2 Component-wise Summary of Project status as on 31st March 2010**

1813-IND (Existing Loan)											
	Master plans	Contract Packages yet to be Tendered*		Contract Packages Tendered		Contract Packages in Implementation Stage		Contract Packages Completed		Total Contract packages	
		Number	Value (INR Mn)	Number	Value (INR Mn)	Number	Value (INR Mn)	Number	Value (INR Mn)	Number	Value (INR Mn)
Sewerage and Drainage Works (excl land)		1	485.55	2	153.00	18	6125.74	9	61.21	30	6825.50
Canal Works (excl land)	Completed	1	4.42	5	835.51	8	1059.53	1	61.17	15	1960.63
Solid Waste Management (excl land)	Under Preparation	0	0.00	0	0.00	0	0.00	10	251.36	10	251.36
Slum Improvement Works (excl Resettlement)	Under Preparation	0	0.00	0	0.00	1	27.95	14	385.21	15	413.16
Resettlement, Rehabilitation*	Not Applicable	0	0.00	0	0.00	5	290.98	9	158.80	14	449.78
Stakeholders Consultation Process Implementation Assistance	Not Applicable	1	17.55	0	0.00	0	0.00	6	741.81	7	759.36
<b>Total</b>		<b>3</b>	<b>507.52</b>	<b>7</b>	<b>988.51</b>	<b>32</b>	<b>7504.20</b>	<b>49</b>	<b>1659.56</b>	<b>91</b>	<b>10659.79</b>

\* The value represents contract value

**Kolkata Environmental Improvement Project**

**Table 1.4.3 Component-wise Summary of Project Status as on 31st March 2010**

<b>2293-IND (Supplementary Loan)</b>											
	Master plan under preparation	Contract Packages yet to be Tendered		Contract Packages Tendered		Contract Packages in Implementation		Contract Packages Completed		Total Contract packages	
		Number	Value (INR Mn)	Number	Value (INR Mn)	Number	Value (INR Mn)	Number	Value (INR Mn)	Number	Value (INR Mn)
Sewerage and Drainage Works (excl land)	Not Applicable	1	364.00	1	720.00	10	2424.08	0	0	12	3508.08
Canal Works (excl land)	Not Applicable	0	0.00	0	0.00	10	858.06	0	0	10	858.06
Implementation Assistance	Not Applicable	0	0.00	0	0.00	5	383.88	0	0	5	383.88
<b>Total</b>		<b>1</b>	<b>364.00</b>	<b>1</b>	<b>720.00</b>	<b>25</b>	<b>3666</b>	<b>0</b>	<b>0</b>	<b>27</b>	<b>4750.02</b>

## CHAPTER 2 PROJECT COST AND SOURCES OF FINANCE

**Table 2.1. Kolkata Environmental Improvement Project  
Revised Budgetary Estimates**

A	Component	1813 -IND (Existing Loan)		2293- IND (Supplementary Loan)		Total Project Cost		
		No. of packages	Amt (INR Mn)	No. of packages	Amt (INR Mn)	No. of packages	Amt (INR Mn)	USD Mn
	Sewerage & Drainage Works	28	7267.75	9	3204.04	37	10471.79	232.71
	Solid Waste Management	10	250.75			10	250.75	5.57
	Slum Improvement Works	15	482.40			15	482.40	10.72
	Resettlement & Rehabilitation	14	305.10			14	305.10	6.78
	Stakeholders Consultation Process	2	11.25			2	11.25	0.25
	Canal Improvement Works	10	1157.26	6	650.36	16	1807.62	40.17
	Implementation Assistance	7	699.33	3	249.83	10	949.16	21.09
		<b>86</b>	<b>10173.84</b>	<b>18</b>	<b>4104.23</b>	<b>104</b>	<b>14278.07</b>	<b>317.29</b>
	Land for S& D Pumping Stations		100.00				100.00	2.22
	Land for Resettlement		252.00				252.00	5.60
	Salary & Wages		43.57		34.20		77.77	1.73
	Establishment		144.00		107.30		251.30	5.58
		<b>86</b>	<b>10713.41</b>	<b>18</b>	<b>4245.73</b>	<b>104</b>	<b>14959.14</b>	<b>332.43</b>
B	Taxes & Duties		697.50		175.00		872.50	19.39
	Physical Contingencies		385.96		207.39		593.35	13.19
	Price Contingencies		900.04		483.91		1383.95	30.75
C	Total Contingencies		1286.00		691.30		1977.30	43.94
D	Interest & Finance Charges		252.90				252.90	5.62
E	<b>Total (INR Mn) - A+B+C+D</b>	<b>86</b>	<b>12949.81</b>	<b>18</b>	<b>5112.03</b>	<b>104</b>	<b>18061.84</b>	<b>401.37</b>
	<b>Financing Pattern</b>	<b>INR Mn</b>			<b>USD Mn</b>			<b>Percent</b>
	<b>Source</b>	<b>Original</b>	<b>Supplementary</b>	<b>Total</b>	<b>Original</b>	<b>Supplementary</b>	<b>Total</b>	
	Asian Development Bank	7999.81	3600.00	11599.81	177.77	80.00	257.77	64.22%
	Government of West Bengal	2457.00	877.53	3334.53	54.60	19.50	74.10	18.46%
	Kolkata Municipal Corporation	2493.00	634.50	3127.50	55.40	14.10	69.50	17.32%
	<b>Total</b>	<b>12949.81</b>	<b>5112.03</b>	<b>18061.84</b>	<b>287.77</b>	<b>113.60</b>	<b>401.37</b>	<b>100.00%</b>

The Government of India is passing the loan from the Asian Development Bank in the form of 70% debt and 30% grant to the Government of West Bengal. The Government of West Bengal in turn is on-lending the same to the Kolkata Municipal Corporation on similar terms. The loan with Government of India is repayable over a period of 25 years with a grace period of 5 years.

Table 2.2. KEIP Sources &amp; Uses of Funds as on 31st March 2010

	Actual (INR)						
	Balance as on 31-Mar-2009	Quarter ended 31-Mar-2010	Quarter ended 31-Dec-2009	Quarter ended 30-Sep-2009	Quarter ended 30-Jun-2009	Year -to-date (FY 2009-10)	Cumulative to date
Opening Cash Balance (Beginning of Period)							
Project Bank a/c		414,238,348	414,238,348	219,578,277	237,713,276		
Imprest a/c	-		-				
<b>Sub Total</b>	<b>-</b>	<b>414,238,348</b>	<b>414,238,348</b>	<b>219,578,277</b>	<b>237,713,276</b>		
<b>Add: Source of Funds</b>							
Asian Development Bank - KMC	3,902,482,698	154,307,791	418,897,592	330,431,448	339,384,134	1,243,020,965	5,145,503,663
Asian Development Bank - IWD	272,308,167	81,400,000	13,761,019	14,046,796	-	109,207,815	381,515,982
Asian Development Bank-Refund	-	-	-	-	-	-	-
Government of India (VAMBAY)	19,484,000	-	-	-	-	-	19,484,000
Government of India (BSUP))	13,819,000	-	-	-	59,151,000	59,151,000	72,970,000
Government of West Bengal	1,387,385,467	56,043,000	-	350,000,000	-	406,043,000	1,793,428,467
Government of West Bengal(BSUP)	5,527,000	-	-	-	35,490,000	35,490,000	41,017,000
Government of West Bengal(Supplementary)	374,020,843	86,571,044	88,991,235	134,981,155	44,183,119	354,726,553	728,747,396
Kolkata Municipal Corporation	843,474,802	4,308,928	2,811,799	86,310,919	54,180,261	147,611,907	991,086,709
DFID	-	-	-	-	-	-	-
Government contribution - IWD	374,077,527	19,301,054	8,333,948	43,491,056	19,024,364	90,150,422	464,227,949
Outstanding Liabilities - KMC (Interest)	671,309,729	459,435,522	-	-	2,723	459,438,245	1,130,747,974
Outstanding Liabilities - KMC	444,410,352	86,704,546	(201,242,534)	-268,122,360	333,331,749	(49,328,599)	395,081,753
Outstanding Liabilities - IWD	-	-	-	-	-	-	-
Misc & Interest Receipts	-	-	-	-	-	-	-
<b>Sub Total</b>	<b>8,308,299,585</b>	<b>948,071,885</b>	<b>331,553,059</b>	<b>691,139,014</b>	<b>884,747,350</b>	<b>2,855,511,308</b>	<b>11,163,810,893</b>
<b>Less: Application of Funds</b>							
Civil Works	4,940,673,549	374,243,030	249,334,592	438,327,452	742,579,254	1,804,484,328	6,745,157,877
Civil Works - IWD	616,936,328	97,264,580	19,112,526	54,894,693	16,409,881	187,681,680	804,618,008
Equipment & Material	387,251,610	-	(3,608,136)	-4,620,031	-89,145,367	-97,373,534	289,878,076
Small Scale Facility Loan	-	-	-	-	-	-	-
Resettlement	384,049,233	9,141,172	10,178,376	15,016,230	38,225,710	72,561,488	456,610,721
Acquisition of land	32,319,798	-	34,245	2,402,160	125,000,000	127,436,405	159,756,203
Training	-	-	-	-	-	-	-
Consulting Services	827,630,957	47,727,408	48,672,986	35,996,078	69,317,140	201,713,612	1,029,344,569
Acquisition of building	125,364,144	-	-	-	-	-	125,364,144
Furniture and fixtures	37,020,624	-	-	-	-	-	37,020,624
Interest & Commitment Charges	671,309,729	459,435,522	-	-	2,723	459,438,245	1,130,747,974
Incremental Administration*	18,580,973	8,666,282	1,560,644	-44,895,413	-2,121,475	-36,789,962	-18,208,989
Incremental Administration -IWD	29,449,366	3,436,474	2,982,441	2,643,159	2,614,483	11,676,557	41,125,923
Miscellaneous and Unallocated	-	-	-	-	-	-	-
<b>Sub Total</b>	<b>8,070,586,310</b>	<b>999,914,468</b>	<b>328,267,674</b>	<b>499,764,328</b>	<b>902,882,349</b>	<b>2,730,828,819</b>	<b>10,801,415,129</b>
<b>Closing Cash Balance (End of Period)</b>							
Project Bank a/c	237,713,276	362,395,764	414,238,348	410,952,963	219,578,277		
Imprest a/c	-						
<b>Sub Total</b>	<b>237,713,276</b>	<b>362,395,764</b>	<b>414,238,348</b>	<b>410,952,963</b>	<b>219,578,277</b>		

\*Note: The figure under the nomenclature "Incremental Administration" shows net off of expenses under CWIP-others which includes Invoked Bank Guarantees (of Rs.5.52Cr) and Bank Interest (of Rs.5.22Cr and miscellaneous receipts of Rs.0.25Cr).

Table 2.3. KEIP Use of Funds by Project Activities ( Sub-projects) as on 31st March 2010

	Actual (INR)						
	Balance as on 31 March 2009	Quarter ended 31-Mar-2010	Quarter ended 31-Dec-2009	Quarter ended 30-Sept 2009	Quarter ended 30-Jun-2009	Year -to-date (FY 2009-10)	Cumulative to date
<b>Sewerage &amp; Drainage</b>							
Civil Works - Fixed Asset transferred to KMC	61,190,181				-	-	61,190,181
Civil Works	4,452,429,674	374,243,030	242,199,063	430,156,478	736,281,569	1,782,880,140	6,235,309,814
Equipment & Material	129,640,454		(3,608,136)	-4,620,031	-89,865,980	-98,094,147	31,546,307
Equipment & Materials - Fixed Asset transferred to KMC	6,976,248				-	-	6,976,248
Land Acquisition	1,574,100					-	1,574,100
<b>Total S &amp; D</b>	<b>4,651,810,657</b>	<b>374,243,030</b>	<b>238,590,927</b>	<b>425,536,447</b>	<b>646,415,589</b>	<b>1,684,785,993</b>	<b>6,336,596,650</b>
<b>Solid Waste Management</b>							
Civil Works	-	-	-	-	-	-	-
Equipment & Materials	26,248,062	-	-	-	-26,248,062	-26,248,062	-
Equipment & Materials - Fixed Asset transferred to KMC	224,386,847	-	-	-	26,968,675	26,968,675	251,355,522
Land Acquisition	-	-	-	-	-	-	-
<b>Total SWM</b>	<b>250,634,909</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>720,613</b>	<b>720,613</b>	<b>251,355,522</b>
<b>Slum Improvement</b>							
Civil Works - Fixed Asset transferred to KMC	334,744,228	-	40,531,553	24,242,462	23,454,893	88,228,908	422,973,136
Civil Works	92,309,466	-	(33,396,024)	-16,071,488	-17,157,208	-66,624,720	25,684,746
<b>Total Slum Improvement</b>	<b>427,053,694</b>	<b>-</b>	<b>7,135,529</b>	<b>8,170,974</b>	<b>6,297,685</b>	<b>21,604,188</b>	<b>448,657,882</b>
<b>Canal Improvement Works</b>							
Civil Works	616,936,328	97,264,580	19,112,526	54,894,693	16,409,881	187,681,680	804,618,008
Land Acquisition	-	-	-	-	-	-	-
<b>Total Canal Improvement</b>	<b>616,936,328</b>	<b>97,264,580</b>	<b>19,112,526</b>	<b>54,894,693</b>	<b>16,409,881</b>	<b>187,681,680</b>	<b>804,618,008</b>
<b>Resettlement</b>							
Civil Works - Fixed Asset transferred to KMC	165,511,163		29,275,346	-	-	29,275,346	194,786,509
Resettlement	218,538,070	9,141,172	(19,096,970)	15,016,230	38,225,710	43,286,142	261,824,212
Land Acquisition	30,745,698		34,245	<b>2,402,160</b>	125,000,000	127,436,405	158,182,103
<b>Total Resettlement</b>	<b>414,794,931</b>	<b>9,141,172</b>	<b>10,212,621</b>	<b>17,418,390</b>	<b>163,225,710</b>	<b>199,997,893</b>	<b>614,792,824</b>
Incremental Administration KMC*	18,580,973	8,666,282	1,560,644	-44,895,413	-2,121,475	-36,789,962	-18,208,989
Incremental Admn IWD	29,449,366	3,436,474	2,982,441	2,643,159	2,614,483	11,676,557	41,125,923
Consultancy	827,630,957	47,727,408	48,672,986	35,996,078	69,317,140	201,713,612	1,029,344,569
<b>Total Implementation Assistance</b>	<b>875,661,296</b>	<b>59,830,164</b>	<b>53,216,071</b>	<b>-6,256,176</b>	<b>69,810,148</b>	<b>176,600,207</b>	<b>1,052,261,502</b>
Fixed Asset transferred to KMC	125,364,144		-	-		-	125,364,144
Building	-						-
Furniture & Fixture	37,020,624						37,020,624
<b>Total</b>	<b>162,384,768</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>162,384,768</b>
Interest & Finance charges	671,309,729	459,435,522	-		2,723	459,438,245	1,130,747,974
<b>Total Project Expenditure</b>	<b>8,070,586,311</b>	<b>999,914,468</b>	<b>328,267,674</b>	<b>499,764,328</b>	<b>902,882,349</b>	<b>2,730,828,819</b>	<b>10,801,415,131</b>

\* Note: Please refer to note given under table 2.2

Table 2.4. KEIP Project Cash Withdrawal as on 31st.March 2010.

Disbursement Category	Disbursement (INR) for Q.E. 31st.March 2010.					Cumulative Disbursement (INR) upto 31st.March 2010				
	Reimbursement	Direct	GoWB	KMC	Total	Reimbursement	Direct	GoWB	KMC	Total
Civil Works - KMC	48,305,000	150,275,378			198,580,378	505,326,353	4,088,345,786	1,145,242,438	616,669,005	6,355,583,582
Civil Works - IWD	81,400,000		15,864,580		97,264,580	367,469,186		423,102,026		790,571,212
Equipment and Material					0	12,898,403	218,415,027	-5,622,093		225,691,337
Small Scale Loan Facility					0					0
Land			0		0			158,182,103	1,574,100	159,756,203
Resettlement -Civil works					0	104,755,302	134,787,163			239,542,465
Training					0					0
Consulting Services	14,266,000	28,032,457			42,298,457	432,628,486	365,453,733			798,082,219
Front end Fee					0					
Interest & Commitment Charges					0					
Incremental Administration			3,436,474	0	3,436,474	11,640,807		41,125,923	-18,208,989	34,557,741
Building and Infrastructure									162,384,768	162,384,768
Unallocated					0			495,626,019	228,667,825	724,293,844
<b>Total</b>	<b>143,971,000</b>	<b>178,307,835</b>	<b>19,301,054</b>	<b>0</b>	<b>341,579,889</b>	<b>1,434,718,537</b>	<b>4,807,001,709</b>	<b>2,257,656,416</b>	<b>991,086,709</b>	<b>9,490,463,371</b>

**Table 2.5. Comparison of targets set for the Quarter Jan -10 to Mar-10 viz - a - viz achievements**

<b>Gross Bill Targets</b>				
	<b>Spillover from Previous Quarter</b>	<b>Projected in Q4 2009-10</b>	<b>Achieved in Q4 2009-10</b>	<b>Remarks</b>
<b>Work Package No.</b>	<b>INR Mn</b>	<b>INR Mn</b>	<b>INR Mn</b>	
<b>Mobilisation Advance</b>				
<b>Total Mobilisation Advance</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	
<b>RA Bill</b>				
SD26 (DWF Pumping Stations in Borough I )	7.83	30.00	0.00	Progress Slow.
SD A (Borough XI, XIII)	51.35	59.00	31.74	Progress Slow.
SD B (Borough XIV)	6.24	115.00	34.03	Progress Slow.
SDC (Borough XII)	40.32	80.00	56.84	Progress Slow.
SDD1 (Borough I)	13.76	50.00	18.41	Progress Slow.
SDD3 (Borough I by using Micro Tunneling)	135.00	70.00	34.21	Progress Slow.
SD13 (Lake Package 2 Lot 1/2)		15.50	3.44	Progress Slow.
SD23 (PS in Borough XII, XII, XIV)	27.00	40.00	28.82	Progress Slow.
SD25 (South Subarban East)		47.41	3.67	Progress Slow.
SD24R (Borough I, XI, XII, XIV, V)		20.00	0.00	No expenses during the quarter
SD29 (Bangur STP)	5.63	20.00	0.00	No expenses during the quarter
CW04 (Bridge package II)		13.00	9.40	Progress Slow.
CW08 (TP Basin midstream)		15.00	9.78	Progress Slow.
CW11 (Manikhali Downstream)	9.00	0.50	0.00	No expenses during the quarter
CW12 (Keorapukur, Rehabilitation Package)		20.00	8.01	Progress Slow.
RSB (320 TP Basin Upstream)		2.00	0.75	Progress Slow.
RSC (352 Manikhali Canal Bank Dwellers)		6.00	0.00	No expenses during the quarter
RSD (256 Churial Dwellers)	4.46	8.00	6.97	Progress Slow.
SI10C (Package X lot C)		0.65	0.00	No expenses during the quarter
Others				
<b>Total Works Bill</b>	<b>372.59</b>	<b>612.06</b>	<b>246.08</b>	
<b>Consultancy</b>				
<b>Total Budget &amp; Expenditure</b>	<b>372.59</b>	<b>612.06</b>	<b>246.08</b>	
<b>Achievement Percentage</b>			<b>25.0%</b>	
<b>1813 IND</b>				
<b>Gross Bill Targets for the next 2 Quarters</b>		<b>INR 911.49Mn</b>		
<b>Cash flow Targets for the next 2 Quarters</b>		<b>INR 820.34 Mn</b>		

Table 2.5. Comparison of targets set for the Quarter Jan -10 to Mar-10 viz - a - viz achievements

Gross Bill Targets				
Work Package No.	Spillover from Previous Quarter	Projected in Q4 2009-10	Achieved in Q4 2009-10	Remarks
	INR Mn	INR Mn	INR Mn	
<b>Mobilisation Advance</b>				
SD32(Borough XV)		10.00	0.00	No expenses during the quarter
CW12C(LOT 1 & 2)	22.18	30.00	12.36	Progress Slow.
CW16				Merged with CW13,14 and 15
CW17				Merged with CW13,14 and 15
CW18				Merged with CW13,14 and 15
CW20R (EKW Canals-North)	18.00	19.00	12.27	Only Mobilisation Advance given.
<b>Total Mobilisation Advance</b>	<b>40.18</b>	<b>59.00</b>	<b>24.63</b>	
<b>RA Bill</b>				
CW 09 (TP Basin Upstream)	16.00	30.00	11.26	Progress Slow.
CW13 ( Civil Works for Canal Rehabilitation)	5.51	15.00	14.62	Progress Slow.
CW14 ( Civil Works for Canal Rehabilitation)	15.00	15.00	5.31	Progress Slow.
CW15 ( Civil Works for Canal Rehabilitation)	10.00	20.00	3.41	Progress Slow.
SD28(BoroughVII )	10.88	20.00	4.49	Progress Slow.
SD30(Augmentation of STP, Gardenreach)	5.00	30.00	3.54	Progress Slow.
SDB1(BoroughXIV-Trenchless)		16.00	0.00	Progress Slow.
SDC-JP(Underground Pipe Pushing)		0.97	0.97	
SDE (Borough XV)	22.25	60.00	72.63	
SDF1&2(Borough VII)	49.10	70.00	35.00	Progress Slow.
SD27(Borough VII)	12.92	17.00	42.56	Progress Slow.
Others				
<b>Total Works Bill</b>	<b>146.66</b>	<b>293.97</b>	<b>193.79</b>	
<b>Consultancy</b>		31.40	40.13	
<b>Total Budget &amp; Expenditure</b>	<b>186.84</b>	<b>384.37</b>	<b>258.55</b>	
<b>Achievement Percentage</b>			<b>45.3%</b>	
<b>2293 IND</b>				
<b>Gross Bill Targets for the next 2 Quarter</b>		<b>INR 700.99Mn</b>		
<b>Cash flow Targets for the next 2 Quarter</b>		<b>INR 560.79 Mn</b>		

### CHAPTER 3 PROGRESS AND ISSUES – 1813 IND (EXISTING LOAN)

The table attached gives a summary of the expected completion dates based on progress made till March, 2010.						
A couple of contracts, notably in canal rehabilitation works and S&D pumping stations are experiencing further delays in expected completion dates						
Summary of Expected Completion Dates						
Sewerage & Drainage						
Sl. No.	Contract	Contract Description	Contract Duration (In months)	Scheduled Dates		Expected Completion Date
				Start	Completion	
1	SDA1	S&D Networks, Borough XI	40	9/5/05	30/08/08	Completed
2	SDA2	S&D Networks, Borough XIII LOT 1	47	9/5/05	31/03/09	Completed
3	SDA3	S&D Networks, Borough XIII LOT 2	60	9/5/05	30/04/10	Jun-10
4	SDB1	S&D Networks, Borough XIII LOT1	53	8/10/05	28/02/10	Completed
5	SDB2	S&D Networks, Borough XIV LOT 2	57	8/10/05	30/06/10	Jul-10
6	SDB3	S&D Networks, Borough XIV LOT 3	56	8/10/05	31/05/10	Dec-10
7	SDC	S&D Networks, Borough XII	46	6/12/06	30/09/10	Nov-10
8	SDD1	S&D Networks, Borough 1 LOT 1	43	6/12/06	30/06/10	Dec-10
9	SDD2	S&D Networks, Borough 1 LOT 2	30	6/12/06		Contract Terminated on 10.07.09
13	SD23	PS New (1 PS at SDA3)	37	23/02/07	31/03/10	Completed in March'09
14	SD23	PS New (3 in SDB)			31/03/10	Mar-11
15	SD23	PS New (4 in SDC)			31/03/10	Dec-10
16	SD24R1	PS renovation (10 in SDA)	32	22/05/07	31/01/10	Sep-10
17	SD24R1	PS renovation (3 in SDB)				
18	SD24R1	variation, Bagjola PS				
19	SD24R2	PS renovation (3 in SDD)				
20	SD24R2	PS renovation (2 in SDE)				
21	SDD3	Construction of S& D network through microtunneling (Br 1)	14	19/03/2009	18/05/10	Mar-11
22	SD25	STP South Suburban East (SSE)	30	8/12/06	31/05/09	Completed
23	SD26	PS new (5 in SDD)	37	6/7/07	31/7/10	Dec-10
24	SD29	STP Bangur	24	13/5/2008	12/5/2010	Dec-10
25	SD33	New STP Borough XII	<b>ON HOLD</b>			
26	SD-13 (Lot 1)	4 Lakes & 2 Parks	21	6/7/2007	10/6/2009	Contract closed on As-is Where-Is basis
27	SD-13 (Lot 2)			4/7/2007	31/05/10	

Sl. No.	Contract	Contract Description	Contract Duration (In months)	Start	Completion	Expected Completion Date
<b>Canal Works</b>						
1	CW 01	Canal Pumping Station	30	19/3/07		Contract Terminated on 28.07.09
2	CW 04	30 Bridges	54.5	24/5/06	15/12/10	Mar-11
3	CW 05	Canal Rehab TP Basin downstream	28	24/02/06	30/10/08	Completed
4	CW 08	Canal Rehab TP Basin middle	29	10/12/2007	31/05/10	Mar-11
6	CW 10	Canal Rehab Monikhali Upstream	28.5	15/12/06	30/04/09	Completed
7	CW 11	Canal Rehab Monikhali Downstream	36	26/03/07	31/03/10	Contractor Released from further performance and discharged vide GCC
8	CW 12A	Keorapukur Canal	44	27/03/07	15/11/10	Nov-10
9	CW 12B	Churial Extension	37	28/03/07	30/04/10	Jun-10
		Tolly's Nullah Cleaned				
<b>RESETTLEMENT, REHABILITATION AND STAKEHOLDERS CONSULTATION PROCESS</b>						
1	RSB	Kasba	34	10/5/2007	15/03/10	Jun-10
2	RSF	Nonadanga	23	6/7/2007	31/05/09	Completed
3	RSC	Flats Sampa Mirza Nagar 352 Units	30	20/02/07	23/09/09	Completed
4	RSD	Kalagachia - 256 Units	26	10/6/2008	31/07/10	Sep-10

### 3.1 Sewerage and Drainage Works

There are 30 work packages in this component, of which 9 have been completed, 18 are under implementation and one is on hold and two is in bidding stage. A synopsis of the status of the work packages is given below:

#### Sewerage and Drainage Works

Original Loan 1813 IND

##### Completed works

contract no.	description	value (mill INR)	completion date	physical progress
SD12	parks & lakes pkg 1 - 10 parks	31.60	Jun-07	100%
SD14-15	equipment, 2 jetting & suction machines	6.97	Oct. 03	100%
SD17-22	pilot S&D works, wards 6, 106, 111, 120, 129, 133	22.64	Sep-06	100%
<b>sub-total</b>		9 contracts:	<b>61.21</b>	100%

##### Works under construction

package no.	description	value (mill INR)	contract end date	physical progress	expected compl. date
<b>sewerage &amp; drainage networks</b>					
SDA1	Borough XI	448.10	30/08/08	100%	
SDA2	Borough XIII	299.35	31/03/09	100%	
SDA3	Borough XIII	755.30	30/04/10	99%	Jun-10
SDB1	Borough XIV	442.84	28/02/10	100%	
SDB2	Borough XIV	447.52	30/06/10	99%	Jul-10
SDB3	Borough XIV	299.52	31/05/10	93%	Dec-10
SDC	Borough XII	1,299.51	30/09/10	95%	Nov-10
SDD1	Borough I	560.04	30/06/10	73%	Dec-10
					Contract Terminated on 10.07.09
SDD2	Borough I	552.29		30%	
SDD3	Borough I	318.10	18/05/10	16%	Mar-11
<b>new DWF pumping stations</b>					
SD23	8 PS in Boroughs XII, XIII, XIV	240.30	31/03/10	80%	Mar-11
SD26	6 PS in Borough I	118.80	31/07/10	47%	Dec-10
<b>renovation of DWF pumping stations</b>					
SD24 R1	14 PS in Boroughs XI, XIII, XIV	63.40	31/01/10	87%	Sep-10
SD24 R2	5 PS in Boroughs I, XV	31.40	31/01/10	82%	Sep-10
<b>renovation of Sewage Treatment Plant (STP)</b>					
SD25	South Suburban East	138.99	31/05/09	100%	
SD29	Bangur STP	49.71	12/05/10	37%	Dec-10
<b>parks and lakes</b>					
	4 lakes and 2 parks				Contract closed "As is Where Is" basis
SD13-1		26.00		40%	
SD13-2		34.57	31/05/10	85%	Sep-10
<b>sub-total</b>		18 contracts:	<b>6,125.74</b>	82%	

##### Bidding Stage

package no.	description	value (mill INR)	status	expected compl. date
SD31	Metering Equipments for Volumetric Measure of Water Consumption	90.00	Approval for rejection and re-bidding accorded by ADB	
SD35R	Construction of Misc. Civil Works	63.00	No objection received from ADB for rejection of lone bid*	
<b>sub-total</b>		02 contracts:	<b>153.00</b>	

##### On hold

package no.	description	value (mill INR)	status	expected compl. date
<b>new Sewage Treatment Plant (STP)</b>				
SD33	STP for Boroughs XI (part) and XII (On Hold)	485.55	pending results of EKW study	
	Sewerage and Drainage Works	value (mill INR)	physical progress	expected compl. date
<b>grand-total</b>		30 work packages	<b>6,825.50</b>	75% Mar-11

### 3.1.1. Works completed

The total number of completed works both financially and physically remains at 9.

### 3.1.2. Works under implementation

The status of contracts awarded is summarized hereunder:

Contracts awarded	up to 31 <sup>st</sup> December 09	during reporting period		up to 31 <sup>st</sup> March 10	awards scheduled for next quarter
		scheduled	actual		
Number of contracts <sup>a)</sup>	27	0	0	27	0
Contract value (mill.INR)	6186.95	0	0	6186.95	0

<sup>a)</sup> The number includes the completed contracts

The summary statement of all packages shows the contract-end dates and the physical progress of works for contracts under implementation, as reported by the contractors. Where no percentage is given, no progress is reported as yet. The weighted<sup>1</sup> overall progress of works under construction is **82%** and the overall progress of works in case of S & D packages stands at **75%**.

Progress in each contract is generally behind schedule. This is mainly caused by:

- the working conditions for the S&D network contracts in congested neighbourhoods are more complicated than anticipated, hampering the contractors in their activities,
- there is a competition for space with other urban services such as water supply, electricity networks, traffic and road-side shops,
- in many cases downstream facilities such as pumping stations and canals have not been completed, delaying completion of parts of the S&D networks,
- not all sites for pumping stations have yet been cleared for construction,
- some contractors are under-performing.

The Project is intensifying progress control and has assessed expected dates of completion of the various contracts, taking the constraints into consideration.

*\* In case of SD35R scope of work to be changed & to be re-bidder with modified qualification criteria after taking approval of ADB.*

### 3.1.3. Work packages under preparation

One package, SD33, the construction of a new STP for Boroughs XI (part) and XII is kept on hold pending the results of the environmental study on the impact of sewage disposal in the East Kolkata Wetlands (EKW). These results were expected by March 2008. The report has been received and on the basis of recommendations, ADB has been requested to drop this package from the scope of KEIP. Final Reply has not yet been received.

<sup>1</sup> Weights by contract value.

### 3.2. Solid Waste Management

There are 10 work packages in this component. A synopsis of the status of the work packages is given below:

#### Solid Waste Management

Original Loan 1813 IND

#### Completed works

contract no.	description	value (mill INR)	completion date	physical progress
<b>Equipment</b>				
SWA1	62 Dumper placer Vehicles & 310 containers	89.47	Sep-06	
SWA2	2 Wheel Type Loaders	4.22	Mar-06	
SW07	1 Mechanical Sweeper	14.04	Dec-04	
SW08	1 Bulldozer	8.08	Nov-03	
SW09	1 Bulldozer	8.08	Apr-04	
SWB1	2 Bulldozers	12.27	Apr-07	
SWB2	3 Wheel Type Loaders	5.43	Apr-07	
SWB3	2 Mechanical Sweepers (Big)	37.13	Jun-07	
SWB4	6 Mechanical Sweepers (Medium)	45.67	Jun-07	
SWB5	3 Mechanical Sweepers (Medium)	26.97	May-09	
<b>sub-total</b>		10 contracts:	<b>251.36</b>	100%

Solid Waste Management		value (mill INR)	physical progress	expected compl. date
<b>grand-total</b>		10 packages	<b>251.36</b>	100%

SW03 has been dropped

The scope of the solid waste component of the Project has been drastically reduced, cancelling all infrastructure works on landfill and garage. Of the 10 equipment packages, all have been completed both physically and financially.

The package SW03 (small secondary collection equipment) has been dropped.

### 3.3. Slum Improvement Works

There are 15 work packages in this component. A synopsis of the status of the work packages is given below:

#### Slum Improvement Works

Original Loan 1813 IND

##### Completed works

contract no.	description		beneficiaries	value (mill INR)	completion date	physical progress
	Boroughs	wards				
SI01	VIII	69	5,000	4.60	Mar-05	
SI02	I	7	37,805	25.39	Jan-05	
	II	10,11,12,15,18				
	IV	24				
	V	36,40,41				
SI03	I	6	77,200	58.77	Sep-06	
	III	30				
	IV	28,21,25				
	VI	46,51,52,53,54,55				
SI04	I	2	34,500	23.87	Dec-05	
	II	19				
	III	33				
	VIII	73				
SI05	II	16,17,20	39,730	32.22	Jun-06	
	III	34				
	IV	26				
	V	43,44				
	VII	63,68				
SI06	I	8	32,300	21.04	Sep-06	
	VI	47,60,61,62				
	VII	64,85				
SI07	III	13	77,200	44.09	Mar-07	
	IV	27,38				
	V	49				
	VIII	65,70,90				
	IX	74				
	X	93				
SI08	VIII	67,71,72,84	27,620	23.94	Feb-07	
	IX	76,82				
SI09 B	I	5	70,490	19.65	Apr-07	
	IV	39				
SI09 C	VIII	86	78,79,83,88	23.44	Apr-07	
	IX	78,79,83,88				
SI10 A	I	4	30,402	20.27		
	VII	56,57				
SI09A	III	29,35	62,510	23.45	31/05/09	
SI10 B	IX	58, 59		24.24	30/09/09	
SI11	I	1,3	51,050	40.24		
	III	14				
	IX	80				
	X	92,96,97,98				
<b>sub-total</b>		14 contracts:	545,807	<b>385.21</b>		100%

##### Works under construction

contract no.	description		beneficiaries	value (mill INR)	contract end date	physical progress	expected compl. date
	Boroughs	wards					
SI10 C	X	75,77, 81,89,91,94	93,098	27.95	15/09/08	100%	
<b>sub-total</b>		1 contract:	93,098	<b>27.95</b>		100%	

Slum Improvement Works		beneficiaries	value (mill INR)	physical progress	expected compl. date
<b>grand-total</b>	15 packages	638,905	<b>413.16</b>	100%	

### 3.3.1. Works completed

All the works under construction have reached completion stage. Only one of the works continues to appear under “Works under Construction” since financial completion has not been achieved. The number of completed contracts is 15.

Contracts completed	up to 31 <sup>st</sup> December 09	during reporting period		up to 31 <sup>st</sup> March 10	scheduled for next quarter
		scheduled	actual		
Number of contracts	<b>15</b>	0	0	<b>15</b>	0
Contract value (mill. INR)	<b>413.16</b>	0	0	<b>413.16</b>	0

### 3.3.2. Works in progress

Total progress in works under implementation is **100%**. This brings overall progress of the slum component including the completed works to 100%.

### 3.4. Canal Improvement Works

There are 15 work packages in this component. A synopsis of the status of work packages is given below:

#### Canal Improvement Works

Original Loan 1813 IND

##### Completed works

contract no.	description	value (mill INR)	contract end date	physical progress
CW03	21 bridges in package 1	61.17	Mar-07	100%
<b>sub-total</b>		1 contract	<b>61.17</b>	100%

##### Works under construction

contract no.	description	value (mill INR)	contract end date	physical progress	expected compl. date
<b>canal pumping stations</b>					
CW01	3 PS: Chowbagha, Keorapukur, Monikhali	520.00		15%	Contract Terminated on 28.07.09
<b>bridges over canals</b>					
CW04	30 bridges in package 2	105.58	15/12/10	79%	Mar-11
<b>canal rehabilitation works</b>					
CW05	TP Basin downstream	84.98	30/10/08	100%	
CW08	TP Basin midstream	49.55	31/05/10	70%	Mar-11
CW10	Monikhali upstream	95.74	30/04/09	100%	
CW11*	Monikhali downstream	76.66	31/03/10	30%	
CW12 A	Keorapukur	41.23	15/11/10	64%	Nov-10
CW12 B	Churial Extension	85.79	30/04/10	97%	Jun-10
<b>sub-total</b>		8 contracts	<b>1,059.53</b>	48%	

##### Bidding Stage

package no.	description	value (mill INR)	status	expected compl. date
CW22	Constr. Of Canal PS at Chowbhaga	233.25		
CW 23	Constr. Of Canal PS at Keorapukur	246.22	LOA Issued on 01.07.2010	
CW 24	Constr. Of Canal PS at Monikhali	201.46		
CW 21 Lot 1	Rehabilitation of EKW Canals (South)	67.47	Price Bids under Evaluation. PIC meeting held on 08.07.2010	
CW 21 Lot 2		87.11		
<b>sub-total</b>		5 contract	<b>835.51</b>	

##### Planning & Design Stage

contract no.	description	value (mill INR)	Status	physical progress	expected compl. date
CW 25	Rehabilitation of EKW Canals for improvement of Sewage Distribution System	4.42	NIT Floated. Last Date of BID submission is 20.07.2010		
<b>sub-total</b>		1 contract	<b>4.42</b>		
canal rehabilitation works		value (mill INR)		physical progress	expected compl. date
<b>grand-total</b>		15 packages	<b>1,960.63</b>	29%	Nov-10

### 3.4.1. Work packages completed

The packages CW05 and CW10 have reached completion stage. But they continue to appear under “Works under construction” awaiting financial completion.

### 3.4.2. Work packages under implementation

The summary statement of all packages shows the contract-end dates and the physical progress of works for contracts under implementation, as reported by the contractors. Where no percentage is given, no progress has been achieved as according to the reports. The weighted<sup>2</sup> overall progress of works under construction is **48%**. Overall progress of the canal works, including the completed contract stands at **29%**.

Progress in each contract is generally behind schedule. This is mainly caused by:

- contractors facing problems setting canal sections dry, and keeping them dry,
- a tight schedule of resettling canal bank dwellers canal bank dwellers, at times interfering with the contractor’s work planning,
- redesign of some of the canal works,
- some contractors’ are under-performing.

Some contractors have changed from canal excavation “in the dry” to excavation “in the wet” to negate the problem of not being able to keep canal sections dry, and to enable progress while canal bank dwellers have not yet shifted.

The Project has assessed expected dates of completion of the various contracts, taking the constraints into consideration.

*\*The Contractor of CW-11(GPT-GVV Joint Venture) have been released from further performance and discharged from the contract vide clause 66.1 of GCC vide PM (Civil) I& WD KEIP memo no. 341-C1(K)/2C-2/07(Pt III) dated 26.03.2010.*

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<sup>2</sup> Weights by contract value.

### 3.5. Resettlement

#### 3.5.1. Allocation of flats

Allocation of flats to the affected persons on account of canal rehabilitation is given in the table below:

Contract	Location	Family units	remarks		origin of families												
			status	expected completion	transit SI15-A	TP basin CW05	CW08	CW09	bridges 1 CW03	Monikhali CW10	CW11	Keorapkr CW12-1	Chrl. ext CW12-2	CW13	Churial CW14	CW15	bridges 2 CW04
SI15-A	Nonadanga	460	1	Have been relocated		427 -427			19 -19								
RS1A	Nonadanga	165	1	KMDA Vambay		from	165										
RS1B	"	352	1	"		transit	352										
RS1C	"	64	1	"			64										
RSA1	"	160	1			transit	141		19								
RSA2	"	288	1				288										
RSA3	"	320	1				320										
RSA4	"	160	1				9	151									
RSA5	Purba Putiary	192	1	Completed							43	18		71			60
RSB	Kasba	320	2		Jun-10			320									
RSC	Sampa Mirza N.	320	1	Completed						320							
RSD	Kalagachia	192	2		Sep-10									192			
RSF	Nonadanga	832	1	Completed				322	510								
Totals:		3365				0	1339	793	510	19	320	43	18	263			60

status: 1 = works completed	2 = under construction
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BSUP is the new version of VAMBAY Scheme of GOI.

CW11: this excludes 164 Shopkeepers who are not going to be resettled by the Project.

Under RSA4: All flats completed (160), 148 AF have already been resettled.

RSA5 Purba Putiary: All Flats completed (192) and 120 AF's resettled.

In case of RSB, 288 flats have been completed, 286 AF's have been resettled. One block of 32 flats nearing completion.

In case of RSC 320 flats have been completed and 265 AF's have been resettled.

In case of RSD, work is in progress, contract has been extended to 31.05.2010. Land problem has cropped up and the Gram Panchayat has moved a writ petition 674(W) of 2010, which is being contested by KEIP. Order of the Hon'ble High Court is awaited.

In case of RSF, 832 flats are complete and 408 AF's have been resettled.

In all 2574 AF's have already been resettled.

### 3.5.2. Total Resettlement Expenditure

Total project expenditure on account of resettlement is given on the table below:

KEIP Revised Resettlement Cost Figures in INR															
A	BSUP	Contract Value	No. of Units	Cost per Unit	Division of Cost per Unit		BSUP Share		State Share	Beneficiary	Project	Total ADB Share	Total GOWB Share	Total GOI Share	Total Beneficiary Share
					Housing	Infrastructure	Housing	Infrastructure							
	RSA4	24,138,033	160	150,863	129,487	21,376				5,000	47,279	23,338,033			800000
	RSA5	28,369,389	192	147,757	126,381	21,376				5,000	36,815	27,409,389			960000
	RSB	38,825,790	320	121,331	99,955	21,376				5,000	18,316	37,225,790			1600000
	RSC	49,872,968	352	141,685	120,309	21,376				5,000	32,564	48,112,968			1760000
	RSF	114,936,674	832	138,145	123,871	14,274	60,000	7,137		5,000	66,008	54,918,690	55857984		4160000
	RSD	58,987,960	256	230,422	190,444	39,978				5,000	19,646	41,934,460		15,773,500	1280000
	<b>Total Under BSUP<sup>1</sup></b>	<b>315,130,814</b>	<b>2,112</b>									<b>232,939,330</b>	<b>-</b>	<b>71,631,484</b>	<b>10,560,000</b>
<b>B</b>	<b>VAMBAY</b>				<b>VAMBAY</b>	<b>Beneficiary</b>	<b>Project</b>								
	KMDA 165 Flats	8,019,000	165	48,600	30000	3,930	44670					2,420,550		4950000	648,450
	KMDA 64 Flats	3,123,200	64	48,800	30000	3,940	44860					951,040		1920000	252,160
	KMDA 352 Flats	19,219,200	352	54,600	30000	5,000	50370					6,899,200		10560000	1,760,000
	KEIP RSA1	21,289,409	160	133,059	31675	5,000	96384					17,289,409		3200000	800000
	KEIP RSA2	38,153,580	288	132,478	31046	5,000	96432					30,029,580		6684000	1440000
	KEIP RSA3	42,478,664	327	129,904	31261	5,000	93643					31,278,664		9600000	1600000
	<b>Total Under VAMBAY</b>	<b>132,283,053</b>	<b>1,356</b>									<b>88,868,443</b>		<b>36,914,000</b>	<b>6,500,610</b>
	SI15	3,459,845									15,648	3,444,197			
	SI15A	454,480									26,570	427,910			
	<b>Total Resettlement Cost</b>	<b>451,328,192</b>	<b>3,468</b>									<b>325,679,880</b>	<b>-</b>	<b>108,545,484</b>	<b>17,060,610</b>

\* RSA3 shows 327 nos. of flats out of which 320 nos. has been constructed and remaining 7 nos. are to be procured from KMDA under BSUP.

Note: The above table excludes SCP (Monitoring & Training activities) which is presently being funded by DFID.

<sup>1</sup>Revised cost allocation for BSUP packages is right now not possible as the amount of contribution according to the decided financing pattern is not confirmed.

### 3.5.3. Details of Work Packages

There are 16 packages under this component which includes temporary resettlement (already funded by ADB so far) as well as stake holder's consultation process and training. The status of the work packages as on 31<sup>st</sup> March, 2010 is given below:

#### Resettlement

Original Loan 1813 IND

##### Completed works

contract no.	description	location	value (mill INR)		completion date	physical progress
			families	total contract		
<b>temporary resettlement</b>						
SI 15 - 15A	transit camp at Nonadanga		460	3.91	3.91	Jan-06
	relocated to flats		-460			Mar-07
<b>purchase of KMDA flats</b>						
RS1A	at Nonadanga		165	7.37	2.42	Jan-06
RS1B	„		352	19.22	6.9	May-07
RS1C	„		64	3.12	0.951	Sep-06
<b>flats constructed by KEIP</b>						
RSA1	at Nonadanga		160	21.29	17.02	Mar-07
RSA2	„		288	38.15	29.73	Mar-07
RSA3	„		320	42.48	30.86	Mar-07
RSA4	Nonadanga		160	23.26	23.34	Dec-09
<b>sub-total, 9contracts</b>			1509	<b>158.80</b>	115.13	100%

##### Works under construction

contract no.	description	location	value (mill INR)		contract end date	physical progress	expected compl. date
			families	total contract			
RSA5	Purba Putiary		192	28.37	27.41	16/05/08	100%
RSB	Kasba		320	38.83	37.22	15/03/10	99% Jun-10
RSC	Sampa Mirza Nagar		352	49.87	48.11	23/09/09	100%
RSF	Nonadanga		832	114.94	54.92	31/05/09	100%
RSD*	Kalagachia		256	58.98	28.18	31/07/10	98% Sep-10
<b>sub-total, 5 contracts</b>			1952	<b>290.98</b>	195.84	99%	

Resettlement	families	total contract	KEIP share	physical progress	expected compl. date
<b>grand-total, 14 packages</b>	3461	<b>449.78</b>	310.97	99%	Sep-10

Initially two packages of monitoring and training of affected families was included in the Resettlement component. These services will now be provided through regular SDU activities and funded from the DFID component of KEIP. The allocation has therefore been removed.

#### GoI and GoWB funding

In case of Packages RSA4, RSA5, RSB, RSC and RSD will be funded under the BSUP scheme.

\* In case of RSD, Land problem has cropped up and the Gram Panchayat has moved a writ petition, 674(W) of 2010, which is being contested by KEIP. Order of the Hon'ble High Court is awaited.

### 3.5.4. Works completed

The number of completed contracts now stands at 12. Three numbers of completed contracts continue to appear under the caption “Works under Construction” pending their financial completion.

Contracts completed	up to 31 <sup>st</sup> December 09	during reporting period		up to 31 <sup>st</sup> March 10	scheduled for next quarter
		scheduled	actual		
Number of contracts	12	2	0	12	1
Contract value (mill.INR)	351.98	97.81	0	351.98	37.22

### 3.5.6. Works in progress

The summary statement of all packages shows the contract-end dates and the physical progress of works for contracts under implementation, as reported by the contractors. The weighted overall progress of works under construction is **99%**. Overall progress of the construction of flats, including the completed contracts, is **99%**.

Progress in each contract is generally behind schedule. This is mainly caused by:

- a very tight time schedule, based on the wish to have the flats ready soon,
- issues around access to work sites,
- Delay in availability of land,
- Some contractor’s under-performing.

### 3.6 Implementation Assistance

The following 7 packages are under Implementation Assistance under existing loan.

<b>A</b>	<b>Consultancy</b>			<b>Amount (INR Mn)</b>	<b>Percentage</b>
<b>1</b>	<b>Completed</b>				
	<b>SI No</b>	<b>Description</b>	<b>Package No</b>		
	1	Project Management Consultants	IP02	240.35	
	2	Design & Supervision Consultants	IP01	461.00	<b>92.36%</b>
<b>2</b>	<b>Demobilized *</b>				
	3	Public Relation Consultants	IP03	12.19	
	4	NGO Services Consultants	IP04	9.27	<b>2.85%</b>
	<b>Total Consultancy – 4 Packages</b>			<b>722.81</b>	<b>95.20%</b>
<b>B</b>	<b>Equipments</b>			<b>Amount (INR Mn)</b>	<b>Percentage</b>
<b>1</b>	<b>Completed</b>				
	<b>SI No</b>	<b>Description</b>	<b>Package No</b>		
	1	OA - Equipment -Computers	IP05	13	
	2	OA - Equipment -Photocopier	IP06	6	<b>2.50%</b>
<b>2</b>	<b>On Hold</b>				
	3	OA - Equipment - Soft wares	IP07	17.55	<b>2.31%</b>
	<b>Total Equipments – 3 Packages</b>			<b>36.55</b>	<b>4.80%</b>
	<b>Total Implementation Assistance (A+B) - 7 Packages</b>			<b>759.36</b>	<b>100.0%</b>

\* Value of Work Package reflects expenditure incurred till the consultants were demobilized.

## CHAPTER 4 PROGRESS AND ISSUES – 2293 IND (SUPPLEMENTARY LOAN)

### Review of Expected Contract Completion Dates

The table attached gives a summary of the expected completion dates based on progress made till March 2010. A couple of contracts, notably in canal rehabilitation works and S&D pumping stations are experiencing further delays in expected completion dates

Summary of Expected Completion Dates						
Sl. No.	Contract	Contract Description	Contract Duration (In Months)	Scheduled Dates		Expected Completion Date
				Start	Completion	
<b>Sewerage &amp; Drainage</b>						
1	SDE	S&D Networks, Borough XV	36	30/07/07	29/07/2010	Dec-11
2	SDF1	S&D Networks, Borough VII LOT 1	33	30/07/07	29/4/2010	Dec-11
3	SDF2	S&D Networks, Borough VII LOT 2	33	30/07/07	29/4/2010	Dec-11
4	SD27	PS new (3 in SDF)	36	6/7/06	30/6/10	Dec-10
5	SD28	PS renovation (4 in SDF)				Dec-10
6	SD28	PS new Chakgaria (SDC)	31	11/12/07	31/07/10	Dec-10
7	SD30	Garden Reach STP	24	13/05/08	12/5/2010	Dec-10
8	SDB1	S&D Networks, Borough XIV - Trenchless	20	26/02/08	31/10/09	Completed
9	SD32	2 PS in Borough XV	36	6/7/07	30/06/10	Dec-10
10	SD34	New STP Borough VII			ON HOLD	
11	SD13CR	Improvement of Sarsuna and Padmabukur Lakes	5	25/4/10	24/08/10	Aug-10
12	SDC JP	Under Ground Pipe Pushing	7	5/1/10	4/7/2010	Dec-10
<b>Canal Works</b>						
1	CW 09	Canal Rehab TP Basin Upstream	30	10/12/2007	30/06/10	Mar-11
2	CW 13	Churial Main Canal	25	10/3/2008	30/04/10	Dec-10
3	CW14	Churial Main Canal	32	24/3/2008	30/11/10	Dec-10
4	CW15	Churial Main Canal	25.5	10/3/2008	15/06/10	Jun-10
5	CW19R <sub>2</sub>	Creation of Green Belts along TP, Monikhali and Churial Canals	15	13/07/09	12/10/2010	Oct-10
6	CW12C-R <sub>1</sub>	Remaining Portion of Keorapukur Canal Works	18	15/07/09	14/01/11	May-11
7	CW12C-2 R <sub>2</sub>	Remaining Portion of Keorapukur Canal Works	15	15/07/09	14/10/10	May-11
8	CW 20 R <sub>1</sub>	Rehabilitation of EKW Canals	12	18/01/10	17/01/11	Jan-11
9	CW 20 R <sub>2</sub>	Rehabilitation of EKW Canals	12	18/01/10	17/01/11	Jan-11
10	CW 20 R <sub>3</sub>	Rehabilitation of EKW Canals	15	4/2/2010	3/5/2011	May-11

The Status of work packages under supplementary loan finance is given below.

#### 4.1. Sewerage and Drainage Works

There are 13 work packages in this loan. A synopsis of the status of the work packages is given below:

##### Sewerage and Drainage Works

Supplementary Loan 2293 IND

##### Works under construction

contract no.	description	value (mill INR)	contract end date	physical progress	expected compl. date
<b>Sewerage &amp; drainage networks</b>					
SDE	Borough XV	850.35	29/07/10	55%	Dec-11
SDF1	Borough VII	360.11	29/04/10	50%	Dec-11
SDF2	Borough VII	495.59	29/04/10	48%	Dec-11
<b>new DWF pumping stations</b>					
SD27	3 PS in Borough VII	119.18	30/06/10	72%	Dec-10
SD32	2 PS in Borough XV	96.69	30/06/10	25%	Dec-10
<b>renovation of DWF pumping stations</b>					
SD28	4 PS in Borough VII	155.67	31/07/10	53%	Dec-10
SDB1	Borough XIV- Trenchless (Microtunneling)	269.78	31/10/09	100%	
SD30	Garden Reach STP	46.19	12/05/10	37%	Dec-10
SDC JP	Underground Pipe Pushing Improvement of Sarsuna and	9.67	04/07/10	0%	Dec-10
SD13CR	Padmapukur Lakes	20.85	24/08/10	0%	Aug-10
<b>sub-total</b>			10 contracts	<b>2,424.08</b>	56%

##### Bidding Stage

package no.	description	value (mill INR)	status	expected compl. date
SDD4	S&D network in Borough1 including house connection	720.00	LOA issued on 30.06.2010	
<b>sub-total</b>			01 contract	<b>720.00</b>

##### On hold

package no.	description	value (mill INR)	status	expected compl. date
<b>New Sewage Treatment Plant (STP)</b>				
SD34	STP for Borough VII	364.00	On HOLD pending results of EKW study	
<b>sub-total</b>			1 contract	<b>364.00</b>
Sewerage and Drainage Works		value (mill INR)	physical progress	expected compl. date
<b>grand-total</b>			12 packages	<b>3,508.08</b>
				39%
				Dec-11

##### 4.1.1 Work packages completed

The contract SDB1 has reached the stage of physical completion.

#### 4.1.2. Work packages under implementation

There are now 10 contracts under implementation. The status is summarized hereunder.

Contracts awarded	up to 31 <sup>st</sup> December 09	during reporting period		up to 31 <sup>st</sup> March 10	awards scheduled for next quarter
		scheduled	actual		
Number of contracts	9	0	1	10	0
Contract value (mill.INR)	2,409.96	0	20.85	2424.08	0

The summary statement of all packages shows the contract-end dates. Average overall progress of works under construction stands at **39%**.

Progress in each contract is generally behind schedule. This is mainly caused by:

- the working conditions for the S&D network contracts in congested neighbourhoods are more complicated than anticipated, hampering the contractors in their activities,
- Lot of underground utilities like HT cables and water lines are interfering with the sewer laying work,
- not all sites for pumping stations have yet been cleared for construction,
- some contractors under-perform.

The Project is intensifying progress control and has assessed expected dates of completion of the various contracts, taking the constraints into consideration.

#### 4.1.3. Work packages kept on hold

One package SD 34, the construction of a new STP for Borough VII, is kept on hold pending the results of the environmental study on the impact of sewage disposal in the East Kolkata Wetlands (EKW). The report has been received and on the basis of the recommendations, ADB has been requested to drop this package from the scope of KEIP. Final reply is yet to be received.

## 4.2 Canal Improvement works

There are 10 work packages in this component in this loan. A synopsis of the status of the packages is given below:

### Works under construction

package No	description	value (mill INR)	contract end date	physical progress	expected compl. date
<b>canal rehabilitation works</b>					
CW09	TP Basin upstream	115.75	30/06/10	61%	Mar-11
CW13	Churial Main canal - Suti	103.35	30/04/10	75%	Dec-10
CW14	Churial Main canal	125.01	30/11/10	45%	Dec-10
CW15	Churial Diversion	136.40	15/06/10	95%	Jun-10
CW12CR1	Remaining Portion of Keorapukur Canal Works	139.46	14/01/11	0%	May-11
CW12CR2	Remaining Portion of Keorapukur Canal Works	85.33	14/10/10	0%	May-11
CW19R2	Creation of Green Belts along TP, Monikhali and Churial Canals Rehabilitation of EKW Canals for improvement of Sewage Distribution	12.84	12/10/10	60%	Oct-10
CW20R1	System (North)	48.06	17/01/11	4%	Jan-11
CW20R2	Rehabilitation of EKW Canals for improvement of Sewage Distribution System (North)	39.55	17/01/11	0%	Jan-11
CW20R3					
		52.31	03/05/11	3%	May-11
<b>sub-total</b>		10 packages	<b>858.06</b>	40%	
Canal Improvement Works		value (mill INR)		physical progress	expected compl. date
<b>grand-total</b>		10 packages	<b>858.06</b>	40%	May-11

The estimate of USD 3.4Mn has been converted to INR @ Rs.45/-

#### 4.2.1 Work packages under implementation

The number of awarded Canal contracts under supplementary loan as on March, 2010 is as hereunder:

Contracts awarded	up to 31 <sup>st</sup> December 09	during reporting period		up to 31 <sup>st</sup> March 10	awards scheduled for next quarter
		scheduled	actual		
Number of contracts	9	0	1	10	0
Contract value (mill.INR)	805.75	0	52.31	858.06	0

The overall progress of works under implementation is 40%.

#### 4.2.3. Work packages under preparation

CW21Lot 3 bid documents have been prepared and NIT is to be floated.

### 4.3 Implementation Assistance

The following are the package details of Implementation assistance under supplementary loan.

Work Package No.	Work Package Description	Amount (INR Million)	Award Status
IP 01B*	Project Management Consultants	95.28	Completed
IP 02B*	Design & Supervision Consultants	235.28	Completed
IP 03A**	Public Relation Consultant	48.07	Completed
IP 03B	Legal Consultant	3.99	Completed
IP 03C	Monitoring & Evaluation of Resettlement Plan being implemented under KEIP	1.26	Completed
<b>Total – Implementation Assistance – 5 Packages</b>		<b>383.88</b>	

## CHAPTER 5 MAJOR LOAN COVENANTS

### 5.1. Major Loan Covenants & Action Plans for 1813 - IND

#### 5.1.1. Major Loan Covenants already been complied or are being complied with

Loan Covenants Complied	Loan Covenants being complied with
1. LA, Schedule 6, Para 1	1. LA, Schedule 6, Para 4
2. LA, Schedule 6, Para 2 & 3	2. LA, Schedule 6, Para 8
3. LA, Schedule 6, Para 12(a)	3. LA, Schedule 6, Para 9
4. LA, Schedule 6, Para 13	4. LA, Schedule 6, Para 10
5. LA, Schedule 6, Para 14	5. LA, Schedule 6, Para 11
6. LA, Schedule 6, Para 19	6. LA, Schedule 6, Para 17
7. LA, Schedule 6, Para 20	7. LA, Schedule 6, Para 18
8. LA, Schedule 6, Para 23	8. LA, Schedule 6, Para 27
9. LA, Schedule 6, Para 25	
10. LA, Schedule 6, Para 26	
11. LA, Schedule 6, Para 28	
12. LA, Schedule 6, Para 29	
13. LA, Schedule 6, Para 30(b)	
14. LA, Schedule 6, Para 30(c)	
15. LA, Schedule 6, Para 31	

#### 5.1.2. Major Loan Covenants not yet due

1. LA, Schedule 6, Para 5
2. LA, Schedule 6, Para 7

#### 5.1.3. Major Loan Covenants partially complied

Covenants	Status
<p>1 <b>Reports, Accounts, and Midterm Review</b></p> <p>Submission of reports, accounts and financial statements within agreed time frames satisfactory to the Bank. (LA, Schedule 6, para 6)</p>	<p>Audited Project Accounts for 2008-09 of KEIP has been sent to ADB vide memo no. PMU/1222/09-10 dated 01.02.2010. Audited Financial Statements of KMC and IWD has been sent to ADB vide memo no. PMU/186/10-11 dated 27.05.2010 and memo no.334-CI(K)/8R-1/2006 dated 25.03.2010 respectively.</p>
<p>2 <b>Policy and Institutional Reform</b></p> <p>The KMC shall undertake a program of metering all water consumers with 20mm ferrule size or more...and (c) 100% of all such consumers shall be metered by the end of FY2004/2005. All consumers shall be</p>	<p>Compliant on metering industrial, commercial and institutional consumers. Noncompliant on metering domestic consumers. Based on lessons from Project Implementation, it was agreed that a more phased implementation road map was needed to achieve the original objectives, for example, installing 100000 domestic water meters initially on a pilot basis. Such</p>

Covenants	Status
metered by the end of FY2009/2010 (LA, Schedule 6, para 12)	a road map is reflected in additional covenants for the proposed Loan Agreement for supplementary financing. "Willingness to Pay" Study completed by Jadavpur University. After prequalification, bid documents have been handed over to three (3) pre-qualified bidders. Two of them submitted the technical bid. Technical Evaluation Report has been forwarded to ADB. We have requested bidders to submit the financial bid. The last date for submission for the same is 22.07.09. Out of the 3 bidders only one has submitted the financial bid. ADB has given consent for price negotiation with the responsive bidder vide their letter dated 29.01.2010. The negotiation with bidders failed and bids rejected. Request for re-bid has been sent to ADB.

#### 5.1.4. Major Loan Covenant not yet complied

Covenants	Status
<b>Financial Reform</b>	
1 Subject to the ongoing World Bank studies on metering and para. 12 of LA, the State and KMC shall ensure that a progressive block rate of water tariff and sewerage surcharge, based on metering of such water supply consumers as previously agreed to with the Bank, shall be implemented such that ... the adoption of such water tariff and sewerage surcharge shall be completed in the KMC's jurisdictional area at the end of FY2007/2008 (LA, Schedule 6, para. 16)	Based on lessons from Project Implementation, it was agreed that a more phased tariff implementation road map was needed with firm milestone to achieve the original objectives of the Project. Such a road map has been reflected in additional covenants in the proposed Loan agreement for supplementary financing. Based on WTP study conducted by Jadavpur University, Mayor-in- council in KMC has adopted a strategy for implementation of water tariff. Hon'ble Mayor in his budget speech for 2008-09 has declared to implement the strategy in a phased manner. Accordingly, process for charging flat rate water tariff for the domestic consumers having ferrule size of more than 20 mm has been completed which includes approval in municipal corporation through inclusion in schedule of charges for 2008-09, revision of existing regulation on this issue by the state government and generation of bills to consumers. However, the process of charging flat rate water tariff for domestic consumers having ferrule size of less than 20mm is yet to be started. The matter was discussed in the TPRM held between 21 <sup>st</sup> to 22 <sup>nd</sup> July'08 at OOTY and it was decided that the covenants will be dropped. We are yet to receive any formal notification on this issue.
2 By 31 December 2004, the KMC shall have amended its contract with the Kolkata Port Trust (KPT) under Section 171(7) of the KMC Act and the State shall have ratified such an amendment which shall ensure a revision satisfactory to the Bank, to the exemption or reduction on property tax for KPT properties. (LA, Schedule 6, para. 21)	

**5.1.5. Major Loan Covenants not applicable**

1. LA, Schedule 6, para 32

**Major Loan Covenants not relevant**

1. LA, Schedule 6, para 15

## 5.2. Major Loan Covenants & Action Plans for 2293 - IND

### 5.2.1. Major Loan Covenants that are being complied with

1. LA, Schedule 5, para 1-4
2. LA, Schedule 5, para 7
3. LA, Schedule 5, para 12
4. LA, Schedule 5, para 8
5. LA, Schedule 5, para. 9

### 5.2.2. Major Loan Covenants those are ongoing

#### Covenants

#### Project Implementation

Completion of Project specific EKW study (LA, Schedule 5, para 13)

Safeguards Compliance Monitoring (LA, Schedule , para 14-17)

Good governance measures implementation (LA, Schedule 5, para. 18)

### 5.2.3. Major Loan Covenants those are overdue

#### Covenants

#### Status

#### Project Implementation

Baseline data for Capacity Building Program funded by DFID will be established by March 2007 (LA, Schedule 5, para 5-6)

Final Report has been forwarded to INRM ADB for taking necessary action.

Procurement of 100000 water meters by 28<sup>th</sup> February 2007. (LA, Schedule 5, para 11)

After prequalification, bid documents have been handed over to three (3) pre-qualified bidders. Out of the 3 bidders only one of them has submitted the financial bid. ADB has given consent for price negotiation vide their letter dated 29.01.2010. The negotiation with bidders failed and bids rejected. Request for re-bid has been sent to ADB.

## CHAPTER 6 HANDING OVER OF ASSETS

This section deals with the facilities completed under various sub-project and their handover to the line departments of KMC.

### 6.1. Sewerage & Drainage Works

#### 6.1.1. Sewerage & Drainage Pilot Packages

Work for pilot packages (SD17-22) has been completed and handed over. A summary of the relevant assets created is given below.

<b>Contract package</b>	<b>Location</b> Borough / ward	<b>Sewer pipes</b> (m)	<b>Inspection pits</b> (related to sewer house connections) (nos.)	<b>Total Value</b> (INR)
SD17	XI / 111	976	31	3,664,798
SD18	XII / 106	716	14	3,987,615
SD19	XIII / 120	888	19	3,241,342
SD20	XIV / 129	1626	36	3,950,839
SD21	I / 6	525	-	4,413,236
SD22	XV / 133	750	-	3,399,823
Apportioned Costs (Interest and other costs)				23,39,030

#### 6.1.2. Beautification of Parks & Lakes

SD 12 (Lake Rehabilitation Package - 1) Package has been completed and handed over. The Lists of Parks where assets have been created are listed below with the respective amounts.

<b>Name of Park</b>	<b>Amount (INR)</b>
1. Tala Park	4,967,956.29
2. Hedua Park	2,870,974.74
3. College Square	4,770,958.03
4. Hazi Mohd. Mahasin Square	2,902,974.46
5. Victoria Square	3,100,972.72
6. Kasia Bagan	1,867,983.57
7. Lansdowne Padmapukur	924,991.86
8. Leonard Square	3,019,973.43
9. Jodhpur Park	3,268,971.24
10. Parnasree Jhil	3,899,965.69
<b>Total</b>	<b>31,595,722.00</b>

### 6.1.3. Equipments

These purchases were made by KMC through KEIP. The details of two work packages are given below.

Package No.	Description	Amount INR
SD 14	Procurement of Suction Machine	32,22,324
SD 15	Procurement of Jetting Machine	37,53,924

### 6.2. Slum Improvement Works

Under Slum Improvement works packages SI01-06 has been completed and handed over. The details of the assets created with the respective amounts are given in the table below.

Borough		VIII	I, V, II	VI, IV, III, I	VIII, III, II, I	V, VII, III, IV, II	VII, I, VI
Pay & Use Toilet	Total Amount (Rs)		4370000		4680000	4680000	2250000
Toilet	Unit Cost (Rs.)	27178.59	23504.95	25943.12	25943.12	27257.04	24201.27
	Nos.	114	371.00	287.00	287.00	544.00	405.00
	Total Amount (Rs)	3,098,359.11	8720337.89	7445675.27	7445675.27	14827831.80	9801512.69
Bath	Unit Cost (Rs.)	27178.59	23506.10	29898.92	25943.12	27257.04	24201.27
	Nos.		110	326.00	176.00	252.00	174.00
	Total Amount (Rs)	-	2,585,671.39	9747046.71	4565989.02	6868775.02	4211020.26
Urinal	Unit Cost (Rs.)	22648.82	19592.08	24915.76	21619.27	22714.20	20167.72
	Nos.	1.00	64.00	215.00	47.00	61.00	26.00
	Total Amount (Rs)	22648.82	1253892.88	5356889.17	1016105.51	1385566.39	524360.76
Sewer Line	Unit Cost	1842.08	1593.47	2026.46	1760.51	1847.40	1640.29
	Length	39.41	1599.07	2720.44	2820.03	1969.30	1173.97
	Total Amount	72596.50	2548071.00	5512859.71	4964682.37	3638086.11	1925650.31
Pole	Unit Cost (Rs.)	4071.32	3521.84	4478.82	3886.24	4083.07	3625.32
	Nos.	143.00	127.00	139.00	94.00	124.00	119.00
	Total Amount (Rs)	582198.24	447273.71	622555.67	365307.00	506300.53	431412.77
Light Fitting	Unit Cost (Rs.)	3636.50	3145.70	4000.48	3471.07	3646.99	3238.13
	Nos.	94.00	223.00	187.00	140.00	488.00	195.00
	Total Amount (Rs)	341830.55	701491.94	748088.83	485949.38	1779732.32	631435.23
Cable Line	Unit Cost (Rs.)	208.00	179.93	228.82	198.40	208.61	185.26
	Nos.	2330.90	9015.83	15389.20	8385.45	9259.50	6723.35
	Total Amount (Rs)	484821.93	1622180.34	3521301.44	1663642.65	1931657.59	1245566.46
Total (Rs)		4,602,455.15	25,249,595.14	58,769,859.15	23,866,109.29	32,489,014.41	20,974,182.04
Apportioned Costs (Including Interest and other costs)		479,300.00	2,461,475.00	6,123,597.85	2,487,158.71	3,115,167.59	2,251,764.96
Grand Total		5,081,755.58	27,711,071.00	64,893,457.00	26,353,268.00	35,604,182.00	23,225,947.00

Under Slum Improvement works packages SI07, 08, 9B, SI09C SI10A and SI 10B have also been completed and handed over at a total cost of Rs.17,61,17,009/-. The package SI 11 have been transferred at a cost of Rs.4,05,31,553/-.

### 6.3. Solid Waste Management

Solid waste Management equipment purchases were made by KMC through KEIP. Details of the assets procured under respective packages are given below.

<b>Package No.</b>	<b>Description</b>	<b>Amount INR</b>
SWA1	Procurement of 62 Dumper Placer & 310 Containers	80,94,70,795
SWA2	Procurement of 2 Wheel Type loader	42,20,250
SWB1	Procurement of 2 Bull Dozers	12,27,35,34
SWB2	Procurement of 3 Wheel Type loaders	54,30,015
SWB3	Procurement of 2 Big Mechanical Sweepers	3,71,26,337
SWB4	Procurement of 6 Medium Mechanical Sweepers	4,56,60,011
SW07	Procurement of 1 Mechanical Sweeper	14,047,000
SW08	Procurement of Bull Dozer - I	8,080,086
SW09	Procurement of Bull Dozer - II	8,078,819
SWB5	Procurement of 3 Medium Mechanical Sweepers	2,69,68,675

**PROCUREMENT MANAGEMENT CONTROL TABLE OF 2293 - IND (SUPPLEMENTARY LOAN) AS ON 31.03.2010**

Package No.	Contract Description	Advertised	Pre Qualification	Bid Document		Technical Bids			Financial Bids		Contract Award			Contract Amount Estimated/Actual (\$ Million)	Contract Amount Financed by ADB (\$ Million)
				Receipt of draft Bid Document	Approval of Bid Document by ADB	Bid Closing Date (1st Technical Bid)	Technical Evaluation and Revising if necessary	Approval of revised Technical Proposal by ADB	Opening of the Revised Technical Proposal with Price Proposal	Evaluation of Price Proposal	Approval of Price Proposal by ADB	Contract Signing Date	Receipt of Signed Contract		
KEIP/IS/SD31/2007-08	<b>Package Transferred to IND 1813</b>														

Package No.	Contract Description	Advertised	Pre Qualification	Bid Document		Bid Closing Date	Technical Bids		Financial Bids		Contract Award		Contract Amount Estimated / Actual (\$ Million)	Contract Amount financed by ADB (\$ Million)
				Receipt of draft Bid Document	Approval of Bid Document		Receipt of Bid Evaluation (Technical)	ADB Approval Date (Technical)	Receipt of Financial Evaluation	Approval of Financial Evaluation / Contract Award	Contract Signing Date	Receipt of Signed Contract		
KEIP/ICB/SDD4*/2009-10	S&D network in Borough I including house connection	30-Sep-09				16-Nov-09	13-Jan-10	30-Mar-10	<b>8-Apr-10</b>	<b>26-Apr-10</b>	<b>30-Jul-10</b>	<b>2-Aug-10</b>		
KEIP/LCB/SD34/2007-08	Construction of STP in Borough VII	<b>ON HOLD</b>											8.97	6.46

Dates marked bold are future dates  
 Exchange rate used 1 US\$ = 45 INR  
 \* LOA issued on 30.06.10

The purpose of this table is for ADB to schedule its review activities.

# ANNEXURE

## **GLOSSARY**

ADB	Asian Development Bank
BME	Benefit Monitoring & Evaluation
BUSP	Basic Urban Services for the poor
CBC	Capacity Building Consultant
CBO	Community-Based Organization
CC	Creative Consultants
CMP	Community Mobilisation & Participation
CDS	Community Development Society
CUS	Calcutta Urban Services
DFID	Department for International Development, UK
DSC	Design and Supervision Consultant
EA	Executing Agency
EIA	Environmental Impact Assessment
GAP	Ganga Action Plan
GIS	Geographical Information System
GoI	Government of India
GoWB	Government of West Bengal
ICB	International Competitive Bidding
ICI	Industrial, Commercial & Institutional
IEE	Initial Environmental Examination
IWD	Irrigation and Waterways Department
KEIP	Kolkata Environmental Improvement Project
KMC	Kolkata Municipal Corporation
KMDA	Kolkata Metropolitan Development Authority
KPT	Kolkata Port Trust
LA	Loan Agreement
LCB	Local Competitive Bidding
MFI	Microfinance Initiatives
NGO	Non Government Organisation
O&M	Operation & Maintenance
PMC	Project Management Consultant
PMU	Project Management Unit
PRC	Public Relations Consultant
RRP	Report & Recommendation of the President (of the ADB)
R&R	Resettlement and Rehabilitation
S&D	Sewerage and Drainage
SAP	Social Action Plan
SCP	Stakeholders Consultation Process
SDU	Social Development Unit
SHG	Self Help Group
SPS	Sewage Pumping Station
STP	Sewage Treatment Plant
SWM	Solid Waste Management
TNA	Training Needs Analysis