

## CHAPTER III: MINISTRY OF URBAN AFFAIRS AND EMPLOYMENT

### 3.1 Infrastructure Development in Mega Cities

*In 1993-94, the Ministry of Urban Affairs and Employment, Government of India, sponsored the scheme for infrastructure development in mega cities of Mumbai, Calcutta, Chennai, Bangalore and Hyderabad as a participative effort of the Central and State Governments alongwith the financial institutions. The government envisaged that over time, the scheme would be self-sustaining with nodal agencies setting up revolving funds. The Ministry could not ensure that the nodal agencies met the basic requirement of setting up a revolving fund. There were shortfalls in release of government funds to the nodal agencies. The nodal agencies, too did not release funds to the implementing agencies. The State Level Sanctioning Committees sanctioned projects without adequate pre funding appraisals. The physical progress was tardy. Out of 442 projects sanctioned the SLSCs dropped 72 projects, 115 projects were completed and 62 projects were yet to start. Neither the Ministry nor the nodal agencies could offer data of revenue generation of the scheme. There was little evidence of effective monitoring at all levels.*

#### *Highlights*

A total outlay of Rs 700 and Rs 500 crore was provided for it in the Eighth plan and the Ninth plan period, respectively. The Central release of funds for the Scheme fell much short of the approved Eighth Plan outlay. Release of funds in Ninth Plan so far, too, did not keep pace with the overall plan allocations.

None of the nodal agencies, excepting at Mumbai, set up the revolving fund, which was a critical requirement for creation and development of infrastructure assets on a continuing and sustainable basis. The State Level Sanctioning Committee acted to a contra purpose by sanctioning long-term loans out of the revolving fund, which the nodal agency had set up.

The Ministry sanctioned and released funds to the nodal agencies year after year without ensuring that the nodal agencies had duly set up the revolving funds and had operated it in the manner prescribed.

Nodal agencies did not pass on the Government funds to the implementing agencies with desired speed. Large sums of Government funds were lying unspent with the nodal agencies at the end of the year 1999-2000.

In Calcutta, Chennai, and Mumbai, the central funds released for the preparation of mega city development plan, feasibility studies, and research remained unspent.

The Ministry sanctioned and released large portions of funds only towards the end of the financial year, which indicated that the sanction of funds did

not follow due diligence, besides probably being distress releases to avoid lapse of budget allocations.

Excepting Hyderabad, the State Level Sanctioning Committees of all the mega cities widely deviated from the prescribed project mix in sanctioning projects. The project mixes adopted by them were skewed against the commercially viable projects, essential for sustaining the scheme on a long-term basis.

There were many cases of incorrect sanctions by the State Committees; e.g., sanction of outright grants to ineligible projects, sanction of soft loans to ineligible category, sanction to ongoing projects of the implementing agencies, sanction without any project report, city master plan, and fixation of prioritisation criteria.

There were major repayment defaults by the implementing agencies in Bangalore, at the end of the year 1999-2000.

Calcutta Metropolitan Development Authority, the nodal agency for Calcutta was also one of the implementing agencies. Contrary to the scheme prescription, it did not separate the scheme funds from its own, and released funds for various projects rather arbitrarily.

Chennai nodal agency incorrectly charged administrative expenses from the implementing agencies, and adjusted those charges from the loan amounts.

Hyderabad nodal agency incurred some expenditure on works not approved by the State Level Committee.

Implementing agencies dropped 72 projects, out of 442 sanctioned, due to a variety of reasons such as non feasibility, non-availability of land, delay in commencement, non-clearance of plans, site disputes, legal problems, non-release of funds by the nodal agencies, change in priority.

Late start and change of plans resulted in upward revision in cost in 86 projects in Chennai, Hyderabad and Mumbai.

A parallel bridge constructed at cost of Rs 2.04 crore in Hyderabad, is lying unused because of defective design.

Neither the nodal agencies nor the Ministry could provide to audit the data about targets and achievement of revenue generation by projects, as envisaged in the scheme.

Monitoring of the Scheme at all levels - the Ministry, the State, and the nodal agencies – was poor. The Ministry did not hold the six monthly review meetings. Steering Committee set up by the Ministry in April 1999 for appraisal of the projects never met. The State Level Sanctioning Committees met sparingly, primarily to sanction projects, rather than to review and monitor the projects sanctioned earlier. The nodal agencies did not maintain separate project-wise accounts.

## Introduction

**3.1.1** In response to the recommendations of the National Commission on Urbanisation and the persistent demands made by the State Governments, the Ministry of Urban Affairs and Employment initiated the centrally sponsored scheme for infrastructural development in mega cities in 1993-94. The scheme is applicable to five mega cities, viz. Bombay, Calcutta, Chennai, Bangalore and Hyderabad. The Ministry issued the guidelines to the State Governments in March 1995. The primary objective of this centrally sponsored scheme is to undertake infrastructure development projects in mega cities in association with the respective State Governments, and the financial institutions. These projects have to be of regional significance and cover a range of components like water supply and sewerage, roads and bridges, city transport, solid waste management, etc.

**3.1.2** The Ministry of Urban Affairs and Employment administers and monitors the progress of the Mega City Scheme. The respective states have constituted the SLSCs<sup>1</sup>, with three members of the State Government and one member each from the Planning Commission and the Ministry of Urban Affairs and Employment. The SLSCs sanction projects under the Scheme in accordance with the guidelines laid down by the Ministry. The scheme envisages identification of one nodal agency in every mega city to co-ordinate funding as well as to monitor physical progress of the projects. The implementing agencies prepare project reports. The Scheme permits only capital projects, which create new assets or remove bottlenecks in the utilisation of old assets, and does not allow maintenance works. The following are the nodal agencies in respective mega cities:

- (a) Mumbai      Mumbai Metropolitan Region Development Authority (MMRDA)
- (b) Calcutta      Calcutta Metropolitan Development Authority (CMDA)
- (c) Chennai      Tamil Nadu Urban Finance and Infrastructure Development Corporation (TUFIDCO)
- (d) Hyderabad    Andhra Pradesh Urban Infrastructure and Finance Development Corporation (APUIFDC)
- (e) Bangalore    Karnataka Urban Infrastructure Development Finance Corporation (KUIDFC)

**3.1.3** It is the function of the nodal agencies to identify and appraise the mix of activities of all the categories of projects, and assess clearly the revenue generation capacity of the various project components proposed by the implementing agencies. The scheme envisages that the basket of projects should be viable on overall basis through restructuring/laying down of user-charges/tapping a portion of general incremental revenue accruing to the local authorities from the projects taken up under the scheme through suitable state/local policies. The State Governments are to issue specific

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<sup>1</sup> State Level Sanctioning Committee

guidelines/instructions to Urban Local Bodies/implementing agencies in this regard, and to fix the coordinating and fund management role of the nodal agencies in relation to the implementing agencies. **Annex-I** gives the names of the implementing agencies in the respective mega cities.

### **Financial arrangements**

**3.1.4** The scheme provides for equal funding to the nodal agency by the Central and the State Governments of 25 *per cent* each as grants. The nodal agency has to meet the balance 50 *per cent* from institutional finance. The critical requirement of the scheme is the creation of a revolving fund by each nodal agency in respective states. The objective is to create and maintain a fund for the development of infrastructural assets on a continuing and sustainable basis.

**3.1.5** The nodal agencies release the funds further to the implementing agency for projects; such releases are a mix of loans and grants. The scheme envisages that project based loans at variable rate of interest with a judicious mix of grant (subject to a maximum of 20 *per cent* of Central and States shares) will be given by the nodal agency to various implementing institutions. This will be done in such a manner that after accounting for interest on borrowed capital, appraisal/processing/servicing and related costs, minimum of 75 *per cent* remains in the corpus of the each nodal agency at the end of 9<sup>th</sup> Plan.

**3.1.6** The Scheme envisages funding by the nodal agencies of a mix of three categories of projects in the ratio of 40:30:30; i.e., (A) remunerative, (B) user charge-based and (C) basic services projects. Category A projects do not involve any concessional finance. Category B projects get financed at below market rate of interest. Category C projects are of two types. Those relating to basic services not directly related to poverty alleviation get funding as soft loan with nominal three to five *per cent* interest. The second type, i.e. those directly related to urban poverty alleviation get grants-in-aid, although such grants may not exceed 20 *per cent* of total grants-in-aid allocations received by the nodal agency from the Government.

**3.1.7** The State Government and the nodal agency are to bear the staff and administrative cost. The nodal agency is to open and maintain a separate bank account in a commercial bank for the receipt and expenditure of all money to be received and spent under this Scheme. They are also to maintain accounts separately for each implementing agency and for every project under the Scheme.

**3.1.8** During the period covered in Audit, *i.e.*, from 1993 to 2000, the SLSCs sanctioned a total of 442 projects involving a total estimated cost of Rs 3342.51 crore. Table in paragraph No.3.1.38 below shows further breakup of these projects. However, the sanctions issued by the SLSCs are not reflective of actual resource availability, given the shortfalls in releases of funds as also the fact that institutional finance could not be raised to the level contemplated by the scheme. There was thus no realistic assessment, while sanctioning projects, of the available resources and infrastructure.

### Scope of Audit

**3.1.9** Audit reviewed the records relating to the implementation of the scheme during the period 1993- 2000 at the Ministry and at the nodal agencies in the five-mega cities to evaluate the planning and administration of the Scheme, regulation of expenditure and management of the revolving fund. Important findings are discussed in the succeeding paragraphs.

### Financial outlay and expenditure

**3.1.10** The following table - compiled from the budget, sanctions issued by the Ministry, quarterly progress reports of nodal agencies, and replies of nodal agencies - shows the details of Central and State assistance released, total funds available and expenditure incurred under the scheme during 1993-2000. **Annex-II** gives further details for respective mega cities.

*Rs in crore*

Year	Central share			State share	*Expenditure
	B.E.	Actual Release	Shortfall		
1993-94	Nil	70.50	-	52.58	47.90
1994-95	74.50	74.50	-	106.37	188.44
1995-96	83.90	83.90	-	136.66	135.43
1996-97	83.90	60.90	23.00	125.77	236.07
<b>Total of Eighth Plan</b>	<b>242.30</b>	<b>289.80</b>	<b>23.00</b>	<b>421.38</b>	<b>607.84</b>
1997-98	80.90	68.90	12.00	91.86	164.92
1998-99	86.40	74.85	11.55	58.79	266.14
1999-2000	86.37	79.90	6.47	67.96	284.78
<b>Total of three years of Ninth Plan</b>	<b>253.67</b>	<b>223.65</b>	<b>30.02</b>	<b>218.61</b>	<b>715.84</b>
<b>Total</b>		<b>513.45</b>		<b>639.99</b>	<b>1323.68</b>

\* Out of central/state/institutional finance funds.

**3.1.11** In view of the fact that the institutional finance of Rs 560.73 crore was raised by nodal agencies during the period, it is apparent that the state held back its share to a large extent. The Central Government release of funds fell short of approved Eighth plan outlays of Rs 700 crore by 59 *per cent*. The flow of central grants during the first three years of the Ninth Plan period did not keep pace with the overall approved plan outlays of Rs 500 crore; on a pro-rata basis, there was a shortfall of 26 *per cent* till March 2000.

**3.1.12** The nodal agencies, too, did not pass on the funds available with them fully to the implementing agencies. The following table shows unspent balances out of government releases with the nodal agencies in the Mega Cities on 31 March 2000.

Rs in crore

Nodal agencies kept Rs 462.91 crore with themselves instead of releasing it to implementing agencies

Mega city	Central Share	State Share	Total	Amount released to implementing agencies	Unspent balance with the nodal agencies
Bangalore	84.54	82.38	166.92	93.92	73.00
Calcutta	115.76	234.65	350.41	*169.08	181.33
Chennai	96.00	133.11	229.11	149.93	79.18
Hyderabad	95.27	79.51	174.78	134.75	40.03
Mumbai	121.88	110.34	232.22	142.85	89.37
<b>Total</b>	<b>513.45</b>	<b>639.99</b>	<b>1153.44</b>	<b>690.53</b>	<b>462.91</b>

\*unconfirmed figure

### Non-incurrence of expenditure on development planning/feasibility studies and research

**3.1.13** The central release included a sum of Rs 2.95 crore towards preparation of mega city development plan/feasibility studies and research, etc. In Bangalore and Hyderabad, the nodal agencies spent Rs 0.34 crore and Rs 0.21 crore on feasibility studies, etc. respectively. In Calcutta, Chennai and Mumbai the amount released for preparation of Mega city development plan/feasibility studies and research, totalling Rs 2.40 crore, was lying unspent with the nodal agencies. This led to projects being approved without preparation of proper feasibility report, and subsequent dropping of projects.

### Revolving Fund

The objective of creating and maintaining a fund for the development of Urban infrastructure on a continuous basis was not achieved.

**3.1.14** Audit did not find any of the nodal agencies, other than in Mumbai, maintaining the revolving fund for the scheme. The Bangalore nodal agency credited the central grant to its own account and the state grant in Personal Deposit Account. The Calcutta nodal agency kept the central grant in a separate Bank account and the State grant in Personal Deposit Account. Further, it used state releases kept in Personal Deposit Account to meet its own requirements. It kept the receipts from land development for housing under the Mega City Projects in various banks. The Hyderabad nodal agency kept the funds in short terms deposit in various banks and also asked the implementing agencies to do so. There was little merit in this, as the implementing agencies ought to have received and spent the funds as the works progressed rather than maintain any fund at their level. The Chennai nodal agency did not give the information about the formation of revolving fund and the amount lying therein.

**3.1.15** The Mumbai nodal agency did create a revolving fund, which had a corpus of Rs 212.12 crore as of March 2000. That corpus did not include Rs 20 crore released by the central government during 1993-94 to the State Government for eventual release to Mumbai Municipal Corporation. The scheme guidelines had provided for giving loans of such duration by the nodal

agencies as would enable recovery of 75 per cent of the government releases back to the revolving fund by the end of the Ninth five year plan. The Mumbai nodal agency transgressed those guidelines by giving out loans of 10 years duration. Resultantly, the nodal agency could get back only Rs 25 crore from the implementing agencies in repayment credits to the revolving fund as compared to the government releases of Rs 232.22 crore up to March 2000.

**3.1.16** Non-creation of the revolving fund by the nodal agencies as envisaged interfered with the objective of the development of urban infrastructure on a continuing and self-sustaining basis. The Ministry ought to investigate how it released funds year after year to the nodal agencies without ensuring the basic requirement of creation of the revolving fund.

### Short release of matching state share

**3.1.17** The state governments of Andhra Pradesh, Karnataka and Maharashtra short released Rs 29.46 crore towards their matching share.

State matching share released were short by Rs 29.46 core.

*Rs in crore*

Mega city	Central share released	State share released	State share short released
Bangalore	84.54	82.38	2.16
Calcutta	115.76	234.65	-
Chennai	96.00	133.11	-
Hyderabad	95.27	79.51	15.76
Mumbai	121.88	110.34	11.54
<b>Total</b>	<b>513.45</b>	<b>639.99</b>	<b>29.46</b>

**3.1.18** In Calcutta, the nodal agency obtained a loan of Rs 95.22 crore from State Government but misreported it as the matching share from the State Government.

### Release of Central grants at the end of financial year

**3.1.19** The following table shows the manner of release of central funds under the scheme.

*Rs in crore*

Year	Amount released during the year	Funds released during March		Funds released during last quarter	
		Amount	Percentage	Amount	Percentage
1993-94	0.50	0.50	100	0.50	100
1994-95	74.50	74.50	100	74.50	100
1995-96	83.90	42.15	50.2	83.90	100
1996-97	60.90	10.77	17.7	26.65	43.7
1997-98	68.90	30.00	43.5	30.00	43.5
1998-99	74.85	-	-	31.87	42.6
1999-2000	79.90	-	-	36.90	46.2

**3.1.20** During the first two years of the scheme, the Ministry released all its grants in the month of March. Generally it released a large chunk of its share

**Report No. 2 of 2001 (Civil)**

in the last quarter of the year. Coupled with the observation that the Ministry released funds year after year without even ensuring that the nodal agencies except at Mumbai, had met the basic requirement of setting up a revolving fund, the release of funds towards the end of the financial year is suggestive of lack of due diligence at the level of sanctioning authority, besides probably being in the nature of distress release of grants to avoid lapse of budget allocation.

**Non-adherence to the prescribed project mix**

**3.1.21** The SLSCs did not adhere to the project mix ratio of 40:30:30 among category A, category B and category C as shown in the following table. The mix adopted by them was, with the exception of Hyderabad, skewed against the commercially viable projects, viz. Category A projects, essential for sustaining the scheme on a long term basis.

<b>Norms</b>	<b>A (40 per cent)</b>	<b>B (30 per cent)</b>	<b>C (30 per cent)</b>
Bangalore	25.3	15.8	58.9
Chennai	6.5	45.5	48.0
Calcutta	20.2	74.2	5.6
Hyderabad	46.8	29.2	24.0
Mumbai	19.4	44.8	35.8

**Sanction of grants to ineligible projects by the SLSCs**

**3.1.22** There were 155 projects in Category C relating to 'basic services' involving total approved project cost of Rs 1216 crore. Audit found that in three mega cities, as detailed below, the respective SLSCs sanctioned Rs 71.42 crore in grants, as detailed below, for 68 ineligible projects which did not relate to poverty alleviation and therefore did not qualify for outright grants.

**Rs 71.42 crore were sanctioned as grants instead of loan.**

*Rs in crore*

<b>Name of city</b>	<b>Number of projects in which grant sanctioned</b>	<b>Amount</b>
Bangalore	6	7.55
Mumbai	25	55.56
Chennai	37	8.31
<b>Total</b>	<b>68</b>	<b>71.42</b>

**3.1.23** The Maharashtra SLSC erroneously sanctioned, and the nodal agency duly released, outright grant of Rs 11.43 crore for one B category project of street lighting and two projects of water supply.

**Irregular sanction of soft loan**

**3.1.24** The Maharashtra SLSC erroneously sanctioned Rs 31.21 crore for seven projects of Category B as soft loan projects, carrying three per cent rate of interest applicable for category C projects.

**Incorrect sanction of soft loan of Rs 31.21 crore.**



**3.1.25** The Maharashtra SLSC also sanctioned project of street lighting to BEST, NMMC and TMC at an estimated cost of Rs 70.74 crore, though these works were part of the normal activities of those agencies. The nodal agency had released Rs 46 crore on those ineligible projects till March 2000.

### **Irregular sanction of ongoing projects**

**3.1.26** 14 per cent of the projects, detailed in Annex-III, were ongoing projects involving a total expenditure of Rs 496.02 crore on which Rs 117.90 crore had already been incurred by the implementing agencies before the SLSC adopted them as projects within the scheme. This was incorrect as it violated the Ministry's instructions of June and October 1995 prohibiting taking up of ongoing projects. The following table gives the position for respective mega cities.

Ongoing projects taken up under the scheme in violation of the guidelines.

*Rs in crore*

Mega city	Total number of projects approved	Number of ongoing projects sanctioned	Expenditure incurred on ongoing projects upto date of sanctioning	Total expenditure on ongoing projects incurred upto March 2000
Bangalore	31	--	--	--
Calcutta	87	33	45.87	132.19
Chennai	121	14	15.68	110.17
Hyderabad	148	7	8.57	46.37
Mumbai	55	10	47.78	207.29
<b>Total</b>	<b>442</b>	<b>64</b>	<b>117.90</b>	<b>496.02</b>

*Source: Quarterly progress report of the implementing agencies to the nodal agencies, and other details collected by audit from the nodal agencies.*

**3.1.27** In Chennai, the SLSC sanctioned a completed project under the scheme. The nodal agency charged Rs 0.23 crore incurred on it to the scheme.

### **Other cases of incorrect sanction of projects by SLSC**

**3.1.28** In Bangalore, the SLSC sanctioned the projects without any project reports, city master plan, and without fixing any prioritisation criteria.

**3.1.29** In Bangalore, SLSC sanctioned a project in March 1996 for construction of a flyover between Town Hall and Sirsi Circle at an estimated cost of Rs 94 crore overlooking the apprehension expressed by RITES Ltd. in August 1991 that the flyover would shut out the options for a Metro Railway System.

**3.1.30** In Calcutta and Chennai, the SLSC sanctioned 11 projects for construction of Middle Income Group flats and houses at an estimated cost of Rs 113.06 crore though the guidelines contemplated construction of houses for urban poor only. An expenditure of Rs 34.49 crore had been incurred as of March 2000.

*Report No. 2 of 2001 (Civil)*

**3.1.31** In Mumbai, the SLSC approved in September 1999 two projects at estimated cost of Rs 26.81 crore relating to health sector, which were not to be taken up under the scheme.

**3.1.32** In Calcutta, the SLSC approved in February 1996 conversions of latrines in Municipal areas relating to low cost sanitation scheme at an estimated cost of Rs 6.55 crore against which Rs 6.51 crore were spent as of March 2000.

**Default in repayment of loan**

**Default in repayment of loan and interest of Rs 23.03 crore**

**3.1.33** The Bangalore nodal agency sanctioned Rs 93.92 crore to its three implementing agencies under various schemes. Together with interest, Rs 38.17 crore was due to be repaid to the nodal agency by 31 March 2000. The amount remaining unpaid on the due date from the implementing agencies was Rs 23.03 crore.

**Non-separation of the Scheme funds from own funds by the Calcutta nodal agency**

**CMDA performed the function of Nodal agency as well as implementing agency.**

**3.1.34** The Scheme envisages that if a nodal agency performs the coordinating and fund management as well as planning and development roles, the two types of roles should be clearly distinguished to prevent any conflict of interest. The Calcutta nodal agency, viz. CMDA also acted as the implementing agency. It did not insulate the scheme activities from its normal activities. It kept central releases in its own account, and released the funds for all categories of projects without deciding the rates of interest, recovery schedule and component of loan and grant.

**3.1.35** In Hyderabad, the nodal agency released the loans to implementing agencies without deciding the recovery schedule of loan and the rate of interest.

**Unauthorised charge of administrative expenses**

**Administrative expense of Rs 2.03 crore charged to scheme though not admissible.**

**3.1.36** The Chennai nodal agency unauthorisedly charged a total sum of Rs 2.03 crore till March 2000 as administrative expenses from the implementing agencies at the rate of one *per cent* of the total amount of loans released, as administrative expenses; and, adjusted those charges against the loan amounts.

**Expenditure incurred on unapproved works**

**Diversion of Rs 9.80 crore to activities not connected with the scheme.**

**3.1.37** In Hyderabad, the nodal agency released funds of Rs 9.80 crore to three agencies, viz. Quli Qutubsha Urban Development Authority, Meat and Poultry Development Corporation, and Collector, Hyderabad (Nandanavanam Project) without approval of the SLSC. The Hyderabad nodal agency also incurred Rs 1.12 crore, Rs 5.80 and Rs 1.75 crore during the years 1993-94, 1994-95 and 1995-96, respectively on six projects of Sites and Services, Jetties and Parks not approved by the SLSC.

### Physical progress

Of 442 projects only 115 were completed.

3.1.38 The audit compiled the following table on the physical progress of the approved projects from various documents such as minutes of SLSCs' meetings, quarterly progress reports of the implementing agencies to the nodal agencies, and quarterly status reports of the nodal agencies to the Ministry till March 2000. The following paragraphs give audit observations on the physical progress. **Annex-IV** gives further details.

City↓	Approved			Dropped			Completed			In progress			Yet to start		
	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
Bangalore	4	9	18	1	6	7			2	3	3	9	-	-	-
Chennai	35	21	65	13	4	9	11	6	26	5	8	26	6	3	4
Calcutta	12	55	20	-	-	-	1	22	14	6	29	6	5	4	-
Hyderabad	82	43	23	4	16	2	12	6	7	50	19	10	16	2	4
Mumbai	12	14	29	3	3	4	-	3	5	5	4	10	4	4	10
<b>Total</b>	145	142	155	21	29	22	24	37	54	69	63	61	31	13	18
Percentage of approved projects				14	21	14	17	26	35	48	44	39	21	9	12
<b>Grand Total</b>	<b>442</b>			<b>72 (16)</b>			<b>115 (26)</b>			<b>193 (44)</b>			<b>62 (14)</b>		

Figure in brackets represents overall percentage

### Dropped projects

72 projects were dropped subsequently after sanction. 15 projects in Hyderabad were abandoned midway after spending Rs 4.05 crore

3.1.39 The Tamil Nadu SLSC dropped 26 projects in Chennai due to non-feasibility, non-availability of land, delay in commencement of the project and non-clearance of plan from the competent authority. The Andhra SLSC dropped 22 projects in Hyderabad, which included 15 projects abandoned by the implementing agencies after incurring an expenditure of Rs 4.05 crore reportedly due to wrong selection of site, site disputes/legal problems, non-release of adequate funds by nodal agencies, etc.

3.1.40 The Mumbai nodal agency dropped 10 projects reportedly due to non-feasibility of projects, non-clearance of the Municipal Corporation, change in priority, non-acquisition of land, etc.

### Projects yet to start

3.1.41 The implementing agencies did not take up till March 2000, 10 projects due for completion by March 1997. They also did not take up 31 and 13 revenue generating projects of category A and B, respectively.

3.1.42 The quarterly progress reports and minutes of the review meetings indicated that the reasons for slow progress were delay in commencement, delay in preparation of detailed project reports/designs/plans/estimates, change in the original design, inclusion of additional components of work, lack of inter agency coordination, lack of capacity of implementing agencies in formulation of projects, acquisition of land, preparation of long term investment programme, prioritisation of investments, management of finances

*Report No. 2 of 2001 (Civil)*

and monitoring of project implementation. This shows that the SLSC did not do proper and systematic appraisal before sanctioning of the projects.

**3.1.43** Actual date of completion in respect of 115 completed projects were not made available. Time overrun could, therefore, not be worked out. 193 projects were in progress as on 31.3.2000 of which stipulated date of completion of 30 projects was not available with the nodal agencies. Thus out of 163 projects, 135 projects were due for completion by March 2000. There was significant time over run relating to these projects ranging from two to 63 months (upto March 2000) as shown in the following table compiled from proforma A and B of project proposals and quarterly progress reports.

*Rs in crore*

City	Total number of projects in progress	No. of projects involving time over run	Time overrun (months)
Bangalore	15	10	6 to 26
Calcutta	41	30	3 to 48
Chennai	39	13	3 to 42
Hyderabad	79	74	2 to 63
Mumbai	19	8	12 to 42
<b>Total</b>	<b>193</b>	<b>135</b>	

**Significant time overrun besides cost overrun of Rs 32.52b crore.**

**3.1.44** There was cost overrun amounting to Rs 32.52 crore in 26 completed projects and five projects in progress as shown in the following table compiled from the quarterly progress reports of the implementing agencies.

*Rs in crore*

City	Number of completed projects involving cost over run	Cost over run	Number of projects in progress involving cost over fun	Cost over run
Bangalore	2	0.58	-	-
Calcutta	7	0.55	1	0.28
Chennai	16	21.75	1	0.05
Hyderabad	1	0.01	2	0.15
Mumbai	-	-	1	9.15
<b>Total</b>	<b>26</b>	<b>22.89</b>	<b>5</b>	<b>9.63</b>

**Absence of completion certificates**

**3.1.45** Audit found that in 113 projects costing Rs 568.63 crore out of 115 projects reported as completed by the nodal agencies, there was no completion certificate.

**3.1.46** The HUDA constructed a parallel bridge at Naya pull in Hyderabad at a cost of Rs 2.04 crore. The bridge was opened to traffic in September 1999 but was closed after three days due to wrong design. The bridge was lying closed as of May 2000.

### **Non-achievement of targets of Revenue generations**

**3.1.47** The scheme guidelines contemplated that the nodal agencies would assess clearly the revenue generation capacity of various projects keeping in view the overall basket of projects proposed by implementing agencies. The nodal agencies in all five cities failed in providing data of targets of revenue generation and actual revenue generated to audit.

### **Monitoring**

**Monitoring was inadequate and ineffective.**

**3.1.48** The monitoring at all levels was inadequate and ineffective because of the following:

- (a) The Ministry did not hold six monthly Review meetings on rotation in different mega cities, as assured by the Ministry to the Standing Committee of the Parliament in June 1997.
- (b) The Steering Committee, set up by the Ministry in April 1999 for appraisal of the projects every six month, has never met.
- (c) The meetings of the SLSCs were very few, and were held primarily to sanction the projects rather than to monitor and review the projects sanctioned earlier.
- (d) None of the nodal agencies maintained separate accounts for each project, as prescribed.

### **Recommendation**

**3.1.49** The Ministry needs to activate its coordinating and monitoring functions to promote the scheme on a more sound footing. It also needs to ensure that the nodal agencies meet all agreed prerequisites, especially that of the setting up of the revolving funds, before any funds are released to them.

**Annex-I**  
**(Refers to paragraph 3.1.3)**

**I. Mumbai City**

**Implementing Agencies:**

1. Mumbai Municipal Corporation (MMC)
2. Bombay Electric Supply and Transport Undertaking (BEST)
3. City and Industrial Corporation of Maharashtra Ltd. (CIDCO)
4. Thane Municipal Corporation (TMC)
5. Kalyan Municipal Corporation (KMC)
6. Navi Mumbai Municipal Corporation (NMMC)

**II. Calcutta City**

**Implementing Agencies:**

1. Calcutta Metropolitan Development Authority (CMDA)
2. Calcutta Metropolitan Water Supply and Sewerage Authority (CMWSA) -a wing of CMDA
3. Calcutta Municipal Corporation (CMC)

**III. Chennai City**

**Implementing Agencies:**

1. Madras Metropolitan Development Authority (MMDA)
2. Madras Metropolitan Water Supply and Sewerage Board (MMWSSB)
3. Tamil Nadu Tourism Development Corporation (TTDC)
4. Madras Corporation

**IV. Hyderabad City**

**Implementing Agencies:**

1. Municipal Corporation of Hyderabad (MCH)
2. Hyderabad Urban Development Authority (HUDA)
3. Hyderabad Metro Water Supply and Sewerage Board (HMWS & SB)

**V. Bangalore City**

**Implementing Agencies:**

1. Bangalore Mahanagar Palika (BMP)
2. Karnataka Water Supply and Sewerage Board (KWS & SB)
3. Bangalore Development Authority (BDA)

**Annex – II**  
**(Refers to paragraph 3.1.10)**

**Year-wise break-up of Central and State share released and expenditure incurred by Nodal Agencies.**

Year	CALCUTTA			BENGALORE			CHENNAI			HYDERABAD			MUMBAI			TOTAL		
	Central Share	State Share	Expenditure	Central Share	State Share	Expenditure	Central Share	State Share	Expenditure	Central Share	State Share	Expenditure	Central Share	State Share	Expenditure	Central Share	State Share	Expenditure
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1993-94	20.10	22.48	42.48	0.10	--	--	15.10	15.10	--	15.10	15.00	--	20.10	--	5.42	70.50	52.58	47.90
1994-95	16.10	60.27	35.91	20.10	20.00	--	11.10	15.10	110.17	11.10	11.00	--	16.10	--	42.36	74.50	106.37	188.44
1995-96	8.08	45.90	36.22	15.08	15.18	0.02	17.08	20.08	21.12	15.58	15.50	14.81	18.08	40.00	63.26	83.90	136.66	135.43
1996-97	13.58	32.50	51.48	10.55	10.55	38.06	11.98	47.22	62.35	11.71	15.50	12.60	13.08	20.00	71.58	60.90	125.77	236.07
1997-98	14.89	28.50	58.26	11.25	11.25	23.60	12.81	19.50	34.97	12.22	8.61	25.85	17.73	24.00	22.24	68.90	91.86	164.92
1998-99	16.23	20.00	59.38	13.55	13.55	90.12	13.78	--	61.93	13.90	13.90	23.66	17.39	11.34	31.05	74.85	58.79	266.14
1999-00	16.78	25.00	54.42	13.91	11.85	38.84	14.15	16.11	34.09	15.66	--	107.27	19.40	15.00	49.86	79.90	67.96	284.78
<b>TOTAL</b>	<b>115.76</b>	<b>234.65</b>	<b>338.15</b>	<b>84.54</b>	<b>82.38</b>	<b>190.64</b>	<b>96.00</b>	<b>133.11</b>	<b>324.63</b>	<b>95.27</b>	<b>79.51</b>	<b>184.49</b>	<b>121.88</b>	<b>110.34</b>	<b>285.77</b>	<b>513.45</b>	<b>639.99</b>	<b>1323.68</b>

## Source:

1. Sanctions issued by the Ministry.
2. Quarterly Progress reports and replies to audit queries.

**Annex –III**  
**(Refers to paragraph 3.1.26)**

**Statement showing ongoing projects approved by State Level Sanctioning Committee**

*Rs in crore*

<b>Name of Project</b>	<b>Approved cost</b>	<b>Date of sanction</b>	<b>Expenditure upto the date of sanction</b>	<b>Remarks</b>
<b>CALCUTTA</b>				
Kannagar Rly.under pass	3.50	19.10.95	0.01 (3/95)	3.86
Uttadanga Rly.under pass	4.53	19.10.95	1.07 (3/95)	4.41
B.K. Express way	3.18	19.10.95	2012 (3/95)	3.19
R.B.Connector widening	5.09	19.10.95	0.45 (3/95)	4.99
Street lighting Phase I	0.65	19.10.95	0.16 (3/95)	0.64
Garia Bridge	2.18	19.10.95	0.10 (3/95)	2.44
Bangur Avenue Sewerage	1.24	19.10.95	0.60 (3/95)	1.24
WSS Madhyagram	2.44	19.10.95	0.27 (3/95)	2.44
WSS Nurgi Shyampur	0.88	19.10.95	0.18 (3/95)	0.76
WSS Rajarhat	6.70	19.10.95	0.51 (3/95)	2.11
Sewerage in CMC ward 111-112	10.16	2.12.95	0.03 (3/95)	7.68
Improvement of Channel in T.P.Basin	0.39	2.12.95	0.24 (3/95)	0.38
Drainage scheme for Bellelious Road	0.44	2.12.95	0.02 (3/95)	0.44
Strengthening of SEM in Calcutta	2.22	2.12.95	0.50 (3/95)	2.22
Serampore T.P. in tegraton	9.66	2.12.95	2.49 (3/95)	7.22
WSS, Uttarpara	1.98	2.12.95	0.17 (3/95)	1.45
WSS Bauria, Uluberia, Chengail	1.42	2.12.95	0.12 (3/95)	1.47
WSS Deulpara	1.28	2.12.95	0.18 (3.95)	1.03
WSS Jatia Gamipur and Nabapally	1.02	2.12.95	0.32 (3.95)	1.01
New Supply lines and sources for Stabilisation of Municipal Water supply Ph.I	15.62	2.12.95	10.43 (3.95)	13.76
UGR at Salt lake & lake town	14.13	23.2.96	10.08 (3.95)	13.91
Improvement of Water suply at Jadavpur and Behala	25.14	23.2.96	0.10 (3.95)	9.79
Augumentation and Extension of water supply at Nabagram	0.77	23.2.96	0.21 (3.95)	0.51
Augumentation and extension of WS at Bally Bankra, Sarenge and Belanagar, Abhoynagar	1.54	23.2.96	0.33 (3.95)	1.54
WSS Andual Moihary	0.59	23.2.96	0.01 (3.95)	0.49
Augumentation of sources FAWS	1.09	23.2.96	0.30 (3.95)	1.11
C/o Public conveniences	1.00	23.2.96	0.63 (3.95)	0.90
Improvement of branch channel of T.P Basin	0.62	23.2.96	0.14 (3.95)	0.62
Conversion of latrin on Municipal areas	6.55	23.2.96	1.00 (3.95)	6.51
Improvement of roads in Municipal towns	27.52	23.2.96	10.65 (3.95)	25.83
Salkia Fly over	4.85	23.2.96	1.00 (3.95)	4.13



Name of Project	Approved cost	Date of sanction	Expenditure upto the date of sanction	Remarks
Garia station road	0.69	23.2.96	0.20 (3.95)	0.61
Improvement of city roads in CMC	3.50	23.2.96	1.25 (3.95)	3.50
<b>CHENNAI</b>				
Common Amenity Building at Koyambedu wholesale Market	0.91	4.9.95	0.15 (3.95)	0.99
Widening of R.K. muh Road Bridge	0.44	4.9.95	0.36 (3.95)	0.50
Widening of Gandhi Irwin Bridge	0.23	4.9.95	0.23 (3.95)	0.23
FOB at Gengu Reddy Road	0.25	4.9.95	0.25 (3.95)	0.25
Shopping complex at Indira Nagar	0.84	4.9.95	0.82 (3.95)	0.91
Shopping Complex at Brewery Road	0.49	4.9.95	0.39 (3.95)	0.54
Shopping complex at EVR Salai	0.45	4.9.95	0.19 (3.95)	0.51
Shopping complex at Shenoy Nagar	0.40	4.9.95	0.25 (3.95)	0.45
Storage reservoir at vauuvarkottam	7.94	4.9.95	2.59 (3.95)	1.16
Storage reservoir at Triplicane	6.91	4.9.95	0.02 (3.95)	9.37
Storage reservoir at Kannapar Thidal	10.70	4.9.95	0.01 (3.95)	8.02
Clear water transmission from Redhill to porur	61.16	4.9.95	6.53 (3.95)	66.71
Sewar Mains in Kalathur	11.00	4.9.95	3.72 (3.95)	11.17
Shopping complex at Dr. Nair Road and T.Nagar	0.45	4.9.95	0.16 (3.95)	0.36
<b>HYDERABAD</b>				
Necklace Road Ph.I	20.00	6.11.95	6.37 (3.95)	19.27
Saheb Nagar Sites and Services	10.00	6.11.95	0.82 (3.95)	2.82
Basheerbagh Fly over	6.00	27.2.98	0.12 (3.95)	3.40
Tarnaka Fly Over	6.00	27.2.98	0.14 (3.95)	4.40
Tegutalli Fly over	20.00	27.2.98	0.51 (3.95)	8.77
Masab Tank Fly over	12.00	27.2.98	0.36 (3.95)	5.11
Narayanguda Fly over	6.00	27.2.98	0.25 (3.95)	2.60
<b>MUMBAI</b>				
Land development at Kharghar	27.90	5.1.96	0.69 (3.95)	12.28
Sports complex	4.25	5.1.96	0.38 (3.95)	4.24
Steel lighting	60.00	5.1.96	4.77 (3.95)	41.75
Road Bridge at Airoli-Ph.I	49.46	5.1.96	16.30 (3.95)	49.46
Kalwa Bridge	24.00	5.1.96	8.64 (3.95)	23.18
Palm Beach Road Ph.I	53.89	5.1.96	13.75 (3.95)	63.04
Under pass at Vashi Node	3.15	5.1.96	0.03 (3.95)	3.15
ROB on Kalyan shill Road	4.00	5.1.96	0.05 (3.95)	3.12
Sanitation Programme	2.07	5.1.96	1.72 (3.95)	2.07
Road work	5.00	5.1.96	1.45 (3.95)	5.00
<b>Total</b>			<b>117.90</b>	<b>496.02</b>

**Annex – IV**  
**(Refers to paragraph 3.1.38)**

**List of projects approved by State Level Sanctioning Committee and expenditure as on 31.3.2000**

Sl. No.	Project	Category	Date of Sanction	Approved cost	Expenditure
	<b>COMPLETED PROJECT</b>				
	<b>Bangalore</b>				
1.	Sirsi Circle Flyover	C	12.3.96	94.00	94.17
2.	Intermediate Ring Road	C	12.3.96	12.40	13.21
	<b>Calcutta</b>				
3.	Housing at Golf Green	A	2.12.95	7.82	7.47
4.	Water Supply Scheme, Madhyagram	B	19.10.95	2.44	2.44
5.	Water Supply Scheme (WSS) Nungi Shyampur	B	19.10.95	0.88	0.77
6.	WSS, Jatia, Ganipur, Nabapally	B	2.12.95	1.02	1.01
7.	WSS, Bally, Bankra, Sarenga & Belanapur, Abhoynagar	B	23.2.96	1.54	1.54
8.	WSS Andul Moihary	B	23.2.96	0.59	0.49
9.	WSS, Bauria, Uluberia, Chengail	B	2.12.95	1.42	1.47
10.	Augumentation of Sources	B	23.2.96	1.09	1.11
11.	UGR at Salt Lake and Lake Town	B	23.2.96	14.13	13.91
12.	Boosting Station at Md. Ali Park	B	2.12.95	7.88	7.29
13.	Ultadanga Railway Underpass	B	19.10.95	4.53	4.41
14.	Garia Station Road	B	23.2.96	0.69	0.61
15.	Strengthening of B.K. Expressway	B	19.10.95	3.18	3.19
16.	Improvement of Street Lighting-I	B	19.10.95	0.65	0.64
17.	R. B. Connector Widening	B	19.10.95	5.09	4.99
18.	Improvements of City Roads in CMC	B	23.2.96	3.50	3.50
19.	Improvement of Street Lighting-II	B	2.12.95	1.68	1.66
20.	Improvement of roads around Hawrah Maidan Area	B	2.12.95	1.59	1.33
21.	Widening of EMBP (Form PC Rotary to RB Rotary)	B	2.12.95	7.97	7.53
22.	Bridge over Fatesah Canal	B	23.2.96	0.42	0.43
23.	Public Conveniences	C	23.2.96	1.00	0.90
24.	Improvement of Lead Channel-I in TP Basin	C	2.12.95	0.39	0.38
25.	Improvement of Branch Channel of TP Basin	C	23.2.96	0.62	0.62
26.	Drainage Scheme for Bellelious Road	C	2.12.95	0.44	0.44
27.	Removal of drainage congestion in Behala IE.	C	2.12.95	0.10	0.05
28.	Removal of drainage congestion around Hawarah Maidan Area	C	2.12.95	0.62	0.52
29.	Improvement of Bagjola Khal (Upper) Ph.I	C	23.2.96	0.42	0.42
30.	Improvement of Bagjola Khal (Upper) Ph.II	C	23.2.96	0.66	0.66
31.	Re-excavation of Lower Bagjola	C	29.10.98	1.84	1.37
32.	Strengthening of SWM in Calcutta	C	2.12.95	2.22	2.22
33.	Madhyagram Water Supply (Ph-II)	B	9.2.98	2.70	2.58
34.	Baruipur Water Supply (Ph-I)	B	9.2.98	1.94	1.84
35.	Konagar Railway Underpass	B	19.10.95	3.50	3.87
36.	Renovation of Tapsia P.S.	C	2.12.95	0.88	0.91
37.	Removal of drainage congestion in Nandan Nagar	C	2.12.95	0.34	0.30
38.	Bustee improvement work at CMC Wards 103,104	C	2.12.95	3.43	3.17
39.	Calcutta Reverfront Beautification from Silver Jetty to Fairlie Jetty	C	15.2.2000	1.19	1.25

	<b>Chennai</b>				
40.	Shopping Complex-Indira Nagar	A	4.9.95	0.84	0.91
41.	Shopping Complex, Brewery Road	A	4.9.95	0.49	0.54
42.	Shopping Complex, EVR Salai	A	4.9.95	0.45	0.51
43.	Shopping Complex, Shenoy Nagar	A	4.9.95	0.40	0.45
44.	Shopping Complex, Dr. Nair Road	A	4.9.95	0.45	0.36
45.	Common Amenity Building at Koyambedu	A	4.9.95	0.91	0.99
46.	Storage Reservoir-Valluvarkottam	B	4.9.95	7.94	10.16
47.	Storage Reservoir Triplicane	B	4.9.95	6.91	9.37
48.	Storage Reservoir-Kannapur, Thidal	B	4.9.95	10.70	8.02
49.	Clear Water Transmission Main from Redhill to Porur	B	4.9.95	61.16	66.71
50.	Widening of Gandhi Irwin Bridge	C	4.9.95	0.23	0.23
51.	Widening of RK Mutt Road	C	4.9.95	0.44	0.50
52.	Sewarmains in Kolathur	C	4.9.95	41.00	11.17
53.	Office Complex at Pudu Street	A	8.1.96	0.30	0.31
54.	Office Complex-II Floor Super Bazar	A	8.1.96	0.48	0.48
55.	MMDA Tower-II	A	8.1.96	15.00	17.20
56.	Office Complex on MPL Office Premises	A	8.1.96	0.45	0.38
57.	Office Complex-II floor MPL Office	A	8.1.96	0.22	0.20
58.	Improvement to Thillai Nagar Road	C	8.1.96	0.06	0.06
59.	Improvement to Balaji Nagar Road	C	8.1.96	0.14	0.12
60.	Improvement to Erikarai Road	C	8.1.96	0.13	0.13
61.	Improvement to MGR Road	C	8.1.96	0.06	0.06
62.	C/o Sunkuwar Bridge-Buckingam Canal	C	8.1.96	0.45	0.45
63.	Widening of Gandhi Irwin Bridge	C	8.1.96	0.23	0.23
64.	Improvement to Durga Road	C	8.1.96	0.88	0.27
65.	Improvement to Radhanagar Main Road	C	8.1.96	0.68	0.34
66.	Improvement to Gandhi Road	C	8.1.96	0.47	0.39
67.	C/o Headworks Ekkattuthangal & Choolaimedu	B	1.11.96	21.00	29.53
68.	Widening of Napier Bridge	C	1.11.96	5.11	5.24
69.	Providing Sewarage facilitation-Sarathy Nagar, VOC Block etc.	C	1.11.96	2.89	2.98
70.	C/o Storm Water Drains	C	30.12.97	1.96	0.96
71.	C/o Storm Water Drains Porur TP	C	30.12.97	1.49	1.27
72.	C/o Storm Water Drains PH-I, Valasaravakkam TP	C	30.12.97	0.88	0.88
73.	Improvement to Roads	C	30.12.97	1.13	1.15
74.	Improvement of Water Supply, Madhavaram	B	4.1.99	0.74	0.73
75.	Improvement of Road & Provision of drains Avadi	C	4.1.99	0.81	0.70
76.	C/o Storm Water drain at Kamraj Nagar Main Raod	C	4.1.99	0.90	0.70
77.	C/o Storm Water drain Roads at Kamraj Nagar-IV Street	C	4.1.99	0.44	0.42
78.	Pedestrian Subway at Ezhilgam	C	3.8.98	1.50	0.75
79.	Sathyan Theatre Intersection with Peters Road	C	4.1.99	8.50	3.23
80.	Cancer Institute Intersection Gandhi Mandapam	C	4.1.99	7.00	4.42
81.	C/o Drains & Culverts-Madhavaram	C	3.8.98	0.47	0.47
82.	Storm Water drain PH.II	C	3.8.98	0.65	0.65
	<b>Hyderabad</b>				
83.	Construction of Pump House near the sump at Jagadgirigutta	A	6.11.95	0.06	0.07
84.	Construction of 900 KL capacity RCC ELSR at OUT in Kapra Municipality	A	6.11.95	0.42	0.39
85.	Construction of Pump House at Sump at Out colony.	A	6.11.95	0.05	0.05

**Report No. 2 of 2001 (Civil)**

86.	Construction of 5.0 ML Capacity GLSR near Yelugugutta	A	6.11.95	1.55	1.55
87.	Laying 600 mm dia PSC/MS Feeder main from the 1200 mm dia Sainikpuri-Saidabad main at Nacharam junction to the proposed reservoir near Yelugugutta.	A	6.11.95	1.38	1.20
88.	Manufacturing, supply, lowering, laying, jointing, testing and commissioning of 450 mm dia MS feeder main to the existing 0.9 ML capacity ELSR at Beerappagadda from the 1000 mm dia PSC main from Sainikpuri to Auto Nagar in Uppal Municipality.	A	6.11.95	0.44	0.42
89.	Construction of pump room at Chankyapuri Sump	A	6.11.95	0.06	0.05
90.	Construction of 5.0 ML capacity GLSR on Madhapur Hillock	A	6.11.95	1.45	1.41
91.	Construction of 5.0 ML capacity GLSR at Vasavi Colony	A	6.11.95	1.16	1.13
92.	Laying 400 mm dia CI feeder main from Autonagar Reservoir to the proposed GLSR at Vasavi Colony.	A	6.11.95	0.44	0.37
93.	Construction of GLSR of 2.0 ML capacity at Budwel, Rajendranagar	A	6.11.95	0.65	0.58
94.	Laying pumping main from Lingampally Reservoir to proposed GLSR at Madhapur including trunk distribution main, pump house, pump sets etc. (700 mm dia - 4.03 km. , 600 mm dia MS - 2.91 Km, 350 m dia-3.99 Km.) for supplying water to developing localities at Madhapur/Gachibowli.	A	6.11.95	8.50	7.47
95.	Laying 250 mm dia CI Main from RTC cross roads to Chikkadpally bridge.	B	6.11.95	0.23	0.23
96.	Laying 900mm dia MS water supply distribution main from Ekminar Mosque to Gangaputra Colony under Chikalguda Zone.	B	6.11.95	0.66	0.64
97.	Laying 600 mm dia & 450 mm dia CI Water supply main from Gangaputra colony to Parsingutta Read Vikas Tee Point	B	6.11.95	0.77	0.71
98.	Laying 900 mm dia MS water supply main from Banjara Second stage outlet to Road No. 14.	B	6.11.95	0.34	0.32
99.	Inlet and outlet pipe connections at Thattikhana GLSR and Banjara 2 <sup>nd</sup> Stage including MS inter connections at the pump house in Jubilee Sump, inter connection of the 600 mm dia MS outlet main from Thattikhana Reservoir to the existing distribution system Road No.1 4.	B	6.11.95	0.04	0.04
100.	Laying 200 mm dia CI service distribution main tapping from 900 mm diameter MS outlet main from Banjara 2 <sup>nd</sup> Stage upto Nandinagar junction including road restoration and transfer of interconnections and PPCs	B	6.11.95	0.20	0.18
101.	Laying 200 mm dia SWG sewer from Surabhi Elcnave upto road junction beyond police station along Banjara Road No. 14 including restoration of the road.	C	6.11.95	0.05	0.04
102.	Necklace Road P.H.I	C	6.11.95	20.00	19.27
103.	Flyover (Airport)	C	6.11.95	6.00	4.76
104.	Flyover HHK Bhawan	C	6.11.95	10.00	9.08
105.	Parallel Bridge at Naya Pool	C	6.11.95	8.00	2.04

106.	Basheerbagh Flyover	C	27.2.98	6.00	3.40
107.	Tarnaka Flyover	C	27.2.98	6.00	4.40
	<b>Mumbai</b>				
108.	Sanitation Programme	C	5.1.96	2.07	2.07
109.	Street Lighting	C	5.1.96	1.36	1.36
110.	Road Work	C	5.1.96	5.00	5.00
111.	Street Lighting	C	5.1.96	3.30	3.30
112.	C/o Continuous approach and ROB on Kalyan Badlapur Rd.	C	29.9.99	5.94	5.94
113.	Road Bridge at Airoli	B	5.1.96	49.46	49.46
114.	Kalwa Bridge	B	5.1.96	24.00	23.18
115.	Water Supply Scheme	B	26.2.98	31.05	31.05
	<b>PROJECTS IN PROGRESS</b>				
	<b>Calcutta</b>				
116.	MIG Housing at Baishnabghata Patuli	A	19.10.95	17.63	10.54
117.	Area Development in Kasba	A	2.12.95	10.12	3.38
118.	Barrackpur Housing	A	2.12.95	17.84	12.49
119.	CMDA Housing at Baghajatin	A	9.2.98	24.78	2.71
120.	WSS, Rajarhat	B	19.10.95	6.71	3.08
121.	WSS, Uttarpara	B	12.12.95	1.98	1.47
122.	WSS, Nabagram	B	23.2.96	0.77	0.52
123.	WSS, Deulpara	B	2.12.95	1.28	1.03
124.	Sarampore T.P. Integration-II	B	2.12.95	9.66	7.24
125.	Improvement of W.S. JDV Behala	B	27.2.96	25.14	10.03
126.	New Supply lines & Sources for Stabilisation of Municipal Water Supply-Ph.I	B	2.12.95	15.62	13.91
127.	Augumentation of Garden Reach T.P.	B	2.12.95	59.07	47.32
128.	Stabilisation of Hawrah W.W.	B	23.2.1996	2.11	1.60
129.	Balance Portion of 1500 MM Palta-Talla Main	B	2.12.98	18.53	12.42
130.	Augumentationof Padma-pukur W.T. Plant	B	9.2.98	67.00	8.85
131.	Piped W.S. within Maheshtala Municipality	B	9.2.98	5.34	2.98
132.	Augumentation of Chandan Nagar Water Treatment (WT) Plant	B	9.2.98	2.21	Nil
133.	Rajpur - Sonarpur WS (Ph.I)	B	29.10.98	3.29	2.35
134.	Salkia Flyover	B	23.2.96	4.85	4.13
135.	Improvement of roads in Municipal towns	B	23.2.96	27.52	25.83
136.	Garia Bridge	B	19.10.95	2.18	2.46
137.	Widening of EMBP (From CPTN. Bhery to PC Rotary & SL Ist entry to BM Road	B	2.12.95	5.77	3.96
138.	C/o P.A. Shah Road	B	2.12.95	15.13	6.88
139.	ROB at Lake Garden	B	9.2.98	20.82	3.70
140.	ROB at Bondel Gate	B	9.2.98	10.65	0.80
141.	BKP-DDM Expressway	B	9.2.98	20.85	0.77
142.	Chaulpatty Road	B	29.10.98	2.20	1.15
143.	Widening of EMBP (RB Rotary-Kamalgazi)	B	27.10.98	29.17	1.04
144.	Widening of EMBP (PC-RB Rotary) Ph.II	B	29.10.98	9.97	0.18
145.	Widening of Konagar Express Way	B	29.10.98	9.55	0.92
146.	Bangur Avenue Sewerage	C	19.10.95	1.24	1.24
147.	Conversion of Latrins in Municipal area	C	23.2.96	6.55	6.51
148.	Removal of brainage congestion in HMC Wards 3, 8, 50	C	2.12.95	1.03	0.74
149.	Storm drainage in HMC Works 1-16	C	9.2.98	3.35	2.39
150.	Trunck Sewar & Drains in CMC	C	29.10.98	2.00	0.50
151.	Sewarage in CMC Wards 111-112(P)	C	2.12.95	10.16	8.43
152.	Housing Complex at Kalyani	A	15.2.2000	10.00	0.80
153.	Housing Complex at ED Block, Salt Lake	A	15.2.2000	6.30	0.49

**Report No. 2 of 2001 (Civil)**

154.	Improvement & widening of New Chord Rd. within Bhatpara Municipality	B	15.2.2000	2.50	0.22
155.	3.5 MG Underground Reservoir at Garfa Sishu Udyan	B	15.2.2000	9.50	0.16
156.	ROB at Sonarpur	B	15.2.2000	10.73	0.31
	<b>Bangalore</b>				
157.	Iron & Steel Market	A	22.5.95	40.20	15.92
158.	Truck Terminal at Hosur Road	A	23.5.95	23.64	0.00
159.	Madiwala Shopping Complex	A	4.12.95	16.00	12.65
160.	Electric Crematoria-banashankari	B	4.12.95	2.20	0.55
161.	Electric Crematoria-Bomman Halli	B	4.12.95	2.15	0.80
162.	Improvement of Water Supply distribution	B	4.12.95	45.55	29.60
163.	Restoration of Kempabudhi Tank	C	22.5.95	3.00	0.00
164.	Dev. of Taverekere Park	C	4.12.95	2.50	0.85
165.	Grade Separator at Richmond Circle	C	12.3.96	18.00	7.00
166.	Dev. of J.P. Park	C	12.3.96	3.50	0.34
167.	Improvement to Slum Settlement	C	18.2.97	1.50	1.10
168.	Outer Ring Road	C	18.2.97	38.95	13.39
169.	Pedestrian Subway Sangam Theatre	C	18.02.97	2.98	0.00
170.	Remodelling of Shivaji Nagar Bus Stand	C	19.5.99	5.50	1.05
171.	Subway near Shivaji Nagar	C	19.5.99	3.48	
	<b>Chennai</b>				
172.	FOB at Gengu Road	C	1.11.96	0.25	0.25
173.	C/o Raised Tunnel on either side of existing subway at Permbur for Pedestrian crossing road.	C	1.11.96	2.93	1.06
174.	C/o FOB Perambur	C	1.11.96	21.00	49.9
175.	Improvement to Mt. Poonamalle Road	C	1.11.96	14.42	7.50
176.	Re-routing of sewers & providing higher size of sewer lines to meet additional flow.	C	1.11.96	6.00	5.56
177.	Vehicular Subway - Saidapet Bazar Road	C	30.12.97	3.00	1.24
178.	Providing sewerage facilities to Vyasarpadi, Kanagam, Taramani & Kodungaiyur	C	30.12.97	38.00	29.48
179.	Demolition & Reconstruction of Vehicular Bridge Manali Rd.	C	3.8.98	1.60	0.65
180.	Sardar Patel Rd. Inter Section LB Rd.	C	4.1.99	15.50	2.66
181.	Radhakrishnan Salai/Royapettah High Rd. Inter Section	C	4.1.99	8.50	2.94
182.	Alwarpet TTK Rd./Luz Church Road	C	4.1.99	11.00	3.05
183.	Royapettah Hospital/Peter's Road	C	4.1.99	8.50	2.71
184.	Pantheon Road, Casa Major Road	C	4.1.99	8.50	2.12
185.	Music Academy, Royapettah High Rd. TTK Road	C	4.1.99	15.00	4.80
186.	Pursawalkam (Devoton) Perambur High Rd.	C	4.1.99	12.00	3.13
187.	Bridge Across B Canal at MKB Nagar	C	3.8.98	3.20	1.15
188.	Widening of existing bridge on LB Road across B canal	C	3.8.98	1.60	0.54
189.	Provision of Sewerage pumping Station at 10 locations	C	3.8.98	2.88	1.73
190.	Intercepting Sewers along Mambalam drain	C	3.8.98	16.00	4.32
191.	C/o Roads & Drains	C	3.8.98	0.72	0.12
192.	C/o Culverts & Drains	C	3.8.98	1.00	0.00
193.	C/o Storm Water drain	C	3.8.98	0.70	0.10
194.	C/o 312 Slum Tenement at Dr. Ambedkar Nagar	C	3.8.98	3.88	1.80
195.	Improvements of Roads	C	5.10.99	6.70	1.01
196.	High Level Rd. at Naduvankarai	C	5.10.99	4.00	0.95
197.	High Level Bridge at Choolaimedu	C	5.10.99	4.00	0.61

198.	Underground Sewerage	B	4.1.99	34.00	0.00
199.	Rehabilitation of choked main & improvement to distribution network	B	3.8.98	10.00	9.96
200.	Re-routing of watermains Treatment plant from Gangadeswar Koil St. to Harris Road	B	3.8.98	3.00	3.05
201.	C/o GLR & OHT at Vimalapuram	B	3.8.98	0.42	0.00
202.	C/o OHTC at Ammankulam & Ambedkar Nagar	B	3.8.98	0.81	0.18
203.	Improvement of Water Supply	B	5.10.99	3.70	0.00
204.	Muffusil Bus Terminal	B	5.10.99	103.49	11.71
205.	Rehabilitation & improvement to water supply	B	5.10.99	25.00	19.82
206.	Shopping Complex at Keela Katali	A	8.1.96	0.61	0.59
207.	Commercial Complex in TS No. 32A	A	4.1.99	0.95	0.10
208.	C/o Community Hall & Shopping Complex	A	3.8.98	6.26	4.20
209.	C/o Office Complex at Anna Nagar	A	4.1.99	3.36	0.40
210.	C/o Tourist complex at Wallajah Road	A	4.1.99	2.50	0.15
	<b>Hyderabad</b>				
211.	Laying 1000 mm dia, 900mm dia and 750mm dia MS Water supply pipe line from Bodabanda Reservoir to Ramanandha Thearthanagar	A	6.11.95	3.05	1.33
212.	Laying 900mm dia MS and 750mm dia MS/CI water supply pipe line from Erragadda Reservoir to ameerpet X Roads	A	6.11.95	3.05	2.17
213.	Laying 1000mm dia MS pumping main from Lingampally Reservoir to Hydernagar Reservoir	A	6.11.95	3.21	1.84
214.	Construction of pump house and Sump at Lingampally of 2.2 ML capacity	A	6.11.95	0.90	0.67
215.	Pumping equipment at Lingampally pump house	A	6.11.95	2.05	1.2000
216.	Construction of service reservoir of 5 ml capacity in asmanadh zone at Vaishali nagar, Nagarjunasagar road	A	6.11.95	1.30	0.99
217.	Laying 600mm dia MS line inlet and 750mm/300 mm/200 mm dia CI out let to and from Vaisalinagar reservoir.	A	6.11.95	2.64	1.47
218.	Laying feeder main/distribution lines from Vaishali Nagar reservoir of 600mm/ 350mm/ 300mm/ 250mm/ 200mm dia CI from the said reservoir to Nagarjune Nagar and eighteen other colonies in Asmangadh zone including 1 ML capacity ELSR at Nagarjune Nagar colony	A	6.11.95	2.35	1.50
219.	Construction 5 ML capacity RCC GLSR at Jagadgirigutta	A	6.11.95	1.25	1.09
220.	Construction 0.6 ML Capacity RCC Sump at Jagadgirigutta	A	6.11.95	0.14	0.12
221.	Manufacturing, supply, erection and commissioning of pumping equipment at Jagadgirigutta Sump	A	6.11.95	0.32	0.22
222.	Laying Feeder main of 700mm dia PSC(5,465 km) from Hydernagar to proposed reservoir at Jagadgirigutta	A	6.11.95	2.80	2.80
223.	Manufacturing, supply, lowering, laying, jointing and testing of 600 mm dia MS/CI and 500 mm dia CI trunk distribution pipe line from GLSR Jagadgirigutta to Chintal Junction from existing ELSR at Shapoor Nagar to Jeedimetla Control Room to connect the existing distribution system in Qutbullapur Municipality	A	6.11.95	2.12	2.09

**Report No. 2 of 2001 (Civil)**

224.	Manufacturing, laying, jointing and testing and commissioning of 600 mm dia MS pumping main from sump to the GLSR at Jagadagirigutta and Manufacturing, supply, lowering, laying, jointing, testing and commissioning of 750 mm & 500 mm dia MS and 450 mm dia CI trunk distribution lines from GLSR at Jagadagirigutta to Maqdoor Nagar in Qutbullapur Municipality.	A	6.11.95	1.50	1.49
225.	Manufacturing, supply, lowering, laying, jointing, testing and commissioning of 600 mm dia PSC/MS and 300 mm dia CI trunk distribution main from 5 ML capacity GLSR at Alwal to Jeedimetla Village in Qutbullapur Municipality (2.34 km).	A	6.11.95	0.83	0.76
226.	Construction of compound walls, approach roads to the reservoir and sump, construction of staff quarters in the reservoir site and external electrification and chlorination arrangements at the reservoir and sump sites at Jagadgirigutta.	A	6.11.95	0.53	0.17
227.	Construction of 5.0 ML capacity GLSR at Meerpet Hillock behind Temple complexes.	A	6.11.95	1.50	1.38
228.	Laying 600 mm dia PSC Feeder main from the 1200 mm dia Sainikpuri - Saidabad main at Bhakshiguda junction to the proposed reservoir at Meerpet Hillock	A	6.11.95	0.43	0.45
229.	Manufacturing, supply, lowering, laying, jointing, testing and commissioning of 400 mm dia PSC feeder main to proposed sump at Osmania University Teacher's Colony (Out) in Kapra Municipality.	A	6.11.95	0.68	0.58
230.	Manufacturing, supply, lowering, laying, jointing, testing and commissioning of 400 mm dia CI distribution main from LSR at OUT towards Pakra Municipal Office and Ammuguda	A	6.11.95	1.05	1.00
231.	Manufacturing, supply, lowering, laying, jointing, testing and commissioning of 500 mm dia/400 mm dia/ 200 mm dia CI distribution main from ELSR Radhika Theatre to Kamala Nagar, ECIL X Roads, Kushaiguda in Kapra Municipality.	A	6.11.95	1.50	1.13
232.	Manufacturing, supply, lowering, laying, jointing, testing and commissioning of 600 mm MS, 600mm dia CI/ 400mm dia CI distribution mains from 5 ML capacity GLSR at Meerpet Hillock to Krishna Nagar, Mallapur and Nacharam X Roads in Kapra Municipality.	A	6.11.95	1.85	1.70
233.	Construction of 600 KL capacity RCC Sump at OUT in Kapra Municipality	A	6.11.95	0.15	0.13
234.	Supply and erection of Pumping Plant at OUT colony.	A	6.11.95	0.13	0.09
235.	Construction of compound wall, approach roads, quarters, etc. at Meerpet and other reservoir sites.	A	6.11.95	0.50	0.16



236.	Manufacturing, supply, lowering, laying, jointing, testing and commissioning of 600 mm dia MS and 450/400 mm dia CI distribution lines from 5 ML capacity GLSR at Yelugugutta towards TV Studio, Kakatiya Nagar main road and Zone-I in Uppal Municipality	A	6.11.95	2.90	2.49
237.	Construction of compound wall, external electrification and staff quarters, office building etc., including approach roads, storm water drain, fencing, etc., at Elugugutta site.	A	6.11.95	0.50	0.18
238.	Manufacturing, supply, lowering, laying, jointing, testing and commissioning of 600 mm dia PSC trunk distribution main from Alwal 5.0 ML GLSR to Father Balairh in Nagar Sump	A	6.11.95	0.37	0.25
239.	Manufacturing, supply, laying, testing of 400 mm dia MS pumping main from Father Balaihnagar Sump of proposed ELSR's at Macchabollaram and Yapral	A	6.11.95	2.80	2.00
240.	Manufacturing, supply, erection and commissioning of pumping plant and equipment at Father Balaihnagar sump to pump water to proposed ELSR's at Macchabollaram and Yapral.	A	6.11.95	0.23	0.17
241.	Construction of compound walls, electrifications to the ELSR premises, extensions of existing pump house at Father Balaihnagar Sump	A	6.11.95	0.20	0.13
242.	Construction of 0.6 ML RCC ELSR at Chanakyapuri Colony in Malkajgiri Municipality.	A	6.11.95	0.33	0.27
243.	Construction of 1 ML capacity Sump at Chanikyapuri	A	6.11.95	0.25	0.11
244.	Manufacturing, laying, jointing and testing of 600mm dia CI inlet main (90 RMT) to Chanakyapuri GLSR, 450mm dia MS pumping main (1220 Rmt) from Chanakyapuri Sump to Gouthamnagar ELSR, and 400/300/250 mm dia CI outlet mains (1860 Rmt) Chanakyapuri ELSR to the existing distribution system.	A	6.11.95	1.70	1.17
245.	Construction of compound walls, external electrification at the reservoir sites.	A	6.11.95	0.23	0.05
246.	Laying Trunk distribution mains from Autonagar Reservoir to Nagole and Mansoorabad areas.	A	6.11.95	4.10	2.55
247.	Laying 600 mm dia /450 mm/400 mm/350 mm/300 mm/250 mm/ dia CI trunk distribution mains from Vasavi Nagar Reservoir to Kothapera and Nagole areas.	A	6.11.95	2.06	1.57
248.	Laying 450/400/300 mm dia CI water supply lines from Autonagar Reservoir to Hayatnagar Village viz. Lecturers Colony, Vinayaka Nagar and RTC colony in I.B. Nagar, Municipality	A	6.11.95	1.37	0.96
249.	Laying 450/350 mm CI water supply lines from L.B. Nagar X roads towards Karamanghat (Commanded from Autonagar Reservoir)	A	6.11.95	0.83	0.96

**Report No. 2 of 2001 (Civil)**

250.	Laying 250 mm dia CI distribution mains from the 5 ML capacity reservoir at Vasavinagar in LB Nagar Municipality to command Telephone copoly, Kothapeta, Ramakrishna Puram and from the system under Autonagar Reservoir to command Alkapuri, Greenhills and Shalivahana Nagar	A	6.11.95	2.55	1.56
251.	Laying of 400 mm dia CI pumping main from Auto Nagar reservoir to 1 ML capacity RCC GLSR at Huda Park	A	6.11.95	0.58	0.32
252.	Laying 450/300/250 mm dia CI trunk distribution main from 1 ML ELSR at HUDA Park to 14 colonies	A	6.12.95	0.55	0.33
253.	Construction of Pump House at Auto Nagar reservoir campus	A	6.11.95	0.07	0.03
254.	Construction of compound wall to the GLSR and electrification at Vasavi Colony.	A	6.11.95	0.16	0.04
255.	Construction of 1.0 ML ELSR at Mailar Devulapally including inlet main and outer pipelines.	A	6.11.95	1.00	0.25
256.	Manufacturing, supply, lowering, laying, jointing, testing and commissioning of 300 mm dia MS inlet main to the 2 ML reservoir at Budwel from the proposed Filtration Plant at Budwel and Manufacturing, supply, lowering, laying, jointing, testing, commissioning of 350 mm dia CI outlet main from 2 ML reservoir (new) at Budwel to connect the existing distribution system.	A	6.11.95	0.59	0.39
257.	Manufacturing, supply, lowering, laying, jointing, testing, commissioning of 300 mm dia CI outlet main from 2 ML reservoir (new) at Budwel to the existing sump at Muskh Mahal and other surrounding areas.	A	6.11.95	0.90	0.62
258.	Commercial Complex at Ameerpet	A	6.11.95	5.18	1.04
259.	C/o Swarnajayanti Commercial Complex Ameerpet	A	6.11.95	20.00	3.92
260.	Parallel Bridge at Hyderabad Public School	A	6.11.95	1.25	0.10
261.	Construction of service reservoir of 5 ML capacity in Jubilee Hills Zone at Jubilee sump campus	B	6.11.95	1.25	1.09
262.	Laying 1200mm, 100mm dia, 900mm dia MS water supply pipe lines from Prashasan Nagar Reservoir to Jubilee Hills Road No. 1 at Journalist Colony Pump House and Junction of Apollo Hospital Road including supply & erection of pumps at Prashasan Nagar and Shaikpet pump houses.	B	6.11.95	3.40	3.25
263.	Laying of 600mm dia (300 Rmt) PSC feeder main, trunk distribution mains of 750mm (210 Boiguda Slaughter House	B	6.11.95	0.45	0.29
264.	Laying of 1000mm dia PSC gravity main from Control Room to Chilkalguda Reservoir	B	6.11.95	5.50	4.40
265.	Laying 600mm dia and 450mm dia CI water supply distribution main from Bojagutta Reservoir to Shardanagar	B	6.11.95	2.80	2.14

266.	Laying 450mm/300 mm dia CI trunk distribution main from Nayak nagar cross road to Nayak Nagar Area	B	6.11.95	0.33	0.26
267.	Manufacture, supply, delivery, laying jointing testing and commissioning of K-51/28 Sewer Main of RCC NP4 Class pipes of dia varying from 600 to 900 mm with SRC Cement from Yousufguda Park and balance Duplicate K-51 main on HUDA Road, Ameerpet.	B	6.11.95	4.35	0.85
268.	Manufacture, supply, delivery, laying, jointing, testing and commissioning of RCC Sewer main of 300mm dia NP2 Class and 500/600/700mm dia NP3 class from NBT Cancer Hospital to down stream of Banjara Pond including laying sewers in Somajiguda down stream of Banjara nala.	B	6.11.95	5.00	1.50
269.	Construction of 10ml capacity reservoir at Bhoiguda slaughter house under Hussain Sagar Zone including yard lighting, quarters etc., complete.	B	6.11.95	2.25	1.75
270.	Laying 750mm dia & 600mm dia CI water supply main from Banjara Road No. 14 to Krishna Nagar.	B	6.11.95	2.10	1.94
271.	Laying 400/300/200mm dia CILA class gravity main from Borabanda Reservoir to Panduranganagar	B	6.11.95	0.36	0.32
272.	Saheb nagar S & S	B	6.11.95	10.00	2.82
273.	Parallel Bridge at muslimjungg Bridge	B	6.11.95	8.00	0.34
274.	ROB at Olipanta	B	6.11.95	5.00	2.10
275.	ROB at Jamai Osmania	B	6.11.95	6.00	0.45
276.	ROB at Rainilyam	B	6.11.95	5.00	0.60
277.	New Major Park at Yusufguda	B	6.11.95	2.00	0.37
278.	ROB at Seethaphal Mandi	B	6.11.95	3.65	0.01
279.	NTR Garden	B	27.2.98	40.00	5.05
280.	Necklace Road Ph.II	C	6.11.95	10.00	8.86
281.	CTO Flyover	C	6.11.95	6.00	4.68
282.	Telgutalli Flyover	C	27.2.98	20.00	8.77
283.	Masabtank Flyover	C	27.2.98	12.00	5.11
284.	Narayanguda Flyover	C	27.2.98	6.00	2.60
285.	Manufacture, supply, delivery, laying, jointing, testing and commissioning of RCC NP3 and NP4 Class pipes of dia varying from 300 to 500mm with SRC Cement in Bholashankar Maktha and Brahmanwadi area alongwith Kukatpally nala, including receiving duplicate 'A' main sewer to avoid pollution of HS Lake	C	8.1.96	4.50	2.00
286.	Extension of Kanchanbagh Main 400/500/600/800 mm dia from Singareni collories to Santoshnagar X roads.	C	8.1.96	4.00	1.72
287.	Laying local and connecting sewers in Saidabad, Subrama-nyanagar, Laxminagar & Vinayanagar Colonies etc.	C	8.1.96	1.85	0.61
288.	Extension of 400/300/350/250/200 mm dia RCC NP3 Class Kanchanbagh sewer from Singareni Colony to Deccan Medical College, including laying branch sewers in the surrounding areas to collect the sewage draining into the Kanchanbagh tank	C	8.1.96	1.30	0.34

**Report No. 2 of 2001 (Civil)**

289.	Construction of rooms at various reservoir sites for housing the Chlorination Plants	C	8.1.96	0.14	0.08
	<b>Mumbai</b>				
290.	Land Dev. at Kharghar	A	5.1.96	27.90	12.28
291.	Shopping Complex cum Town Hall	A	5.1.96	6.00	5.65
292.	Sports Complex	A	5.1.96	4.25	4.24
293.	Industrial Park at Kalamboli	A	26.2.98	34.66	5.99
294.	Shopping Complex cum Town Hall (increased cost)	A	29.9.99	5.59	0.22
295.	Street Lighting	B	5.1.96	60.00	41.75
296.	Diesel Crematorium	B	5.1.96	0.50	0.45
297.	Water supply scheme Thana City (Stage-II)	B	29.9.99	39.37	0.72
298.	Improving capacity of Pumping station at Kalyan	B	29.9.99	6.70	0.20
299.	Palm Beach Road Ph.I	C	5.1.96	53.89	63.04
300.	Underpass at Vashi Node	C	5.1.96	3.15	3.15
301.	ROB on Kalyan ShillRd. at Patri Pool	C	5.1.96	4.00	3.12
302.	Underpass at Kharghar	C	26.2.98	2.50	0.50
303.	ROB at Khandeshwar	C	26.2.98	14.34	12.62
304.	Toilet Complexes	C	26.2.98	2.00	1.37
305.	Gutters	C	26.2.98	7.59	4.81
306.	Sewer lines	C	26.2.98	9.36	0.58
307.	Palm Beach Marg (Additional Works)	C	29.9.99	10.00	3.13
308.	Underpass at Vashi (increased cost)	C	29.9.99	2.36	1.00
	<b>PROJECTS YET TO START</b>				
	<b>Calcutta</b>				
309.	Housing at Baishnabghatta	A	15.2.2000	10.89	Nil
310.	Housing GL Block, East Calcutta	A	15.2.2000	5.41	Nil
311.	Housing at EE Block, Salt Lake	A	15.2.2000	7.63	Nil
312.	Hawkers Rehabilitation Centre cum Commercial Complex at East Calcutta	A	15.2.2000	10.80	Nil
313.	Court cum commercial complex at Sealdah(Ph.II)	A	15.2.2000	8.31	Nil
314.	Improvement of Street Lighting in HMC Area	B	15.2.2000	1.09	Nil
315.	Stabilisation & Extension of Primary Grid under Garden Reach Water Works-PH.II	B	15.2.2000	29.48	Nil
316.	Watermain in and around UGR at Garfasishu Udyan	B	15.2.2000	4.20	Nil
317.	Impt. & Old Calcutta Roads (Ph.II)	B	15.2.2000	3.20	Nil
	<b>Chennai</b>				
318.	Improvement of Daily Market	A	8.1.96	0.30	Nil
319.	Commercial Complex Old Town Panchayat Office	A	30.12.97	0.23	Nil
320.	C/o Commercial Complex & Bus Terminal	A		0.56	Nil
321.	112 Flats at Singaravelan Nagar	A	5.10.99	3.85	Nil
322.	Flats at Vijayaraghvan Road	A	5.10.99	1.80	Nil
323.	C/o Commercial Complex at Nandanam	A	5.10.99	1.86	Nil
324.	Parking at Loan Square Prakasamsalai	B	1.11.96	7.00	Nil
325.	C/o OHT & GLR	B	3.8.98	0.69	Nil
326.	Extension of distribution network	B	3.8.98	0.26	Nil
327.	Widening of Bridge Madhya Kailash across B Canal	C	3.8.98	0.90	Nil
328.	Improvement of Existing treatment plant at Koyambedu & Kodungaiyur	C	3.8.98	40.45	Nil
329.	Pedestrian Subway at Ratan Bazar	C	5.10.99	1.31	Nil
330.	Underground Sewerage	C	5.10.99	19.22	Nil

	<b>Hyderabad</b>				Nil
331.	C/o Mini market complex at Subjmandi	A	27.2.98	4.00	Nil
332.	Mordernisation of Solid Waste Management	A	7.12.99	28.00	Nil
333.	Road widening	A	7.12.99	60.68	Nil
334.	Formation of New Link Roads	A	7.12.99	10.32	Nil
335.	NTR Garden Phase II	A	7.12.99	30.00	Nil
336.	Parking Lots	A	7.12.99	20.00	Nil
337.	Food Courts	A	7.12.99	2.00	Nil
338.	Rock Garden	A	7.12.99	10.00	Nil
339.	C/o 500 KL Capacity RCC ELSR at Macha Bolaram	A	6.11.95	0.24	Nil
340.	C/o 500 CL Capacity RCC EWR at Yapral	A	6.11.95	0.26	Nil
341.	Supply & Erection pumping plant for pumping water to chankyapuri ELSR and Southam Nagar ELSR at Chanakyapuri Sump	A	6.11.95	0.21	Nil
342.	Laying internal distribution mains in 14 colonies eastern side of Vanasthalipuram	A	6.11.95	1.90	Nil
343.	Supply & delivery of pump sets of Autonagar Reservoir Campus	A	6.11.95	0.18	Nil
344.	C/o IML RCC ELSR at HUDA Park Colony, Vanasthalipuram	A	6.11.95	0.50	Nil
345.	C/o MGD WTP by the side of existing WTP at Budwel, Rajendra Nagar including 3500 mm dia CI pumping main (900 Rmt) from WTP to proposed site.	A	6.11.95	2.00	Nil
346.	Laying trunk collecting sewars from developing Localities at Madhapur to proposed STP at Durgam Cherubu including C/o STP including cost of consultancy services for survey, design & preparation of estimate, bid documents etc.	A	6.11.95	7.90	Nil
347.	Manufacturing, supplying, laying, jointing, testing and commissioning of part of Ramanthapur main sizes 600mm & 800 mm dia RCC NP-3 class pipes from the crossing of street No. 8 alongwith Ramanthapur Road & leading to Nallacheru	C	8.1.96	5.11	Nil
348.	Procurement of chlorination plants for installation of various Reservoir sites.	C	8.1.96	0.40	Nil
349.	Carrying out comprehensive water audit the water supply system of HMWSSB by procurement & installation of water meters	C	7.12.99	12.50	Nil
350.	Rehabilitation of existing water supply system.	B	7.12.99	50.00	Nil
351.	Water supply improvements and extension of water supply system of HMWSSB	B	7.12.99	6.00	Nil
352.	Parks	C	27.2.98	3.00	Nil
	<b>Mumbai</b>				
353.	Truck Termini	A	26.2.98	5.40	Nil
354.	Multistoryed Pay & Park	A	26.2.98	2.50	Nil
355.	Kalamboli Industrial Park (Stage-II)	A	29.9.99	25.00	Nil
356.	C/o Vegetable Market	A	29.9.99	7.50	Nil
357.	Management of Bio-Medical Waste	B	29.9.99	20.44	Nil
358.	National Plasma Fractionation Centre	B	29.9.99	6.37	Nil
359.	Distribution of Water supply of Kharghar Node	B	29.9.99	35.00	Nil
360.	Augumentaion of Mandwa Titwala Water supply Scheme	B	29.9.99	2.60	Nil
361.	FOB and Rickshaw Stand	C	26.2.98	3.00	Nil
362.	Storm Water Drainage King's Circle & Postal Colony	C	29.9.99	30.50	Nil

**Report No. 2 of 2001 (Civil)**

363.	Mulund (E) Bus Depot	C	29.9.99	11.70	Nil
364.	Additonal floor over Mulund Check naka Bus Depot	C	29.9.99	0.15	Nil
365.	Speez Bus Stand	C	29.9.99	0.50	Nil
366.	Sewerage System Kharghar Node.	C	29.9.99	17.25	Nil
367.	New 7 Lane Panvel creek Bridge.	C	29.9.99	20.00	Nil
368.	ROB at Khandeshwar on Belapur Panvel Rly Line. (Stage II)	C	29.9.99	5.29	Nil
369.	Construction of Roads	C	29.9.99	9.63	Nil
370.	Street lighting	C	29.9.99	6.08	Nil
	<b>PROJECT DROPPED</b>				
	<b>Bangalore</b>				
371.	C/o Agricultural Market at Singena Agrahara	A	18.2.97	39.29	Nil
372.	Electric Crematoria-Beggars Colony	B	4.12.95	1.27	Nil
373.	Electric Crematoria, Amruthahalli	B	4.12.95	1.19	Nil
374.	Sewage treatment at Mysore Road	B	25.3.98	52.12	Nil
375.	Sewage treatment at Yelahanka	B	25.3.98	39.24	Nil
376.	Modernisation of BWSSB's Pumping Stations	B	25.3.98	16.17	Nil
377.	Augumentation of Water supply by ground Water resources	B	25.3.98	8.20	Nil
378.	Remodelling of Shivaji Nagar Bus Stand.	E	25.3.98	5.50	Nil
379.	Grade Separator at Mekhri Circle	C	25.3.98	20.00	Nil
380.	Subway Shivaji Nagar	C	25.3.98	3.48	Nil
381.	Improvement to Storm Water drains	C	25.3.98	46.25	Nil
382.	Subway - Mysore Bank Circle	C	25.3.98	4.68	Nil
383.	Sub-way - City Market	C	25.3.98	5.01	Nil
384.	Outer Ring Road - Eastern Segment	C	25.3.98	65.21	Nil
	<b>Chennai</b>				
385.	Daily Market on Nehru Nedun Salai	A	8.1.96	0.37	Nil
386.	C/o Office Complex at Municipal Office Premises	A	8.1.96	4.55	Nil
387.	C/o Office cum Commercial complex at MTH Road.	A	8.1.96	0.53	Nil
388.	Kalyan Mandapam at Radhanagar	A	8.1.96	0.55	Nil
389.	Office complex on IInd floor, of Municipal Office building.	A	8.1.96	0.30	Nil
390.	C/o Shops in Ist floor at Shanmugam Road.	A	8.1.96	0.25	Nil
391.	Shopping complex at 4 <sup>th</sup> Main Road, Nanganallur	A	8.1.96	0.32	Nil
392.	Market & Shopping Complex near Pallavaram Rly. Station	A	8.1.96	0.35	Nil
393.	Madras Moffussil Bus Terminal	A	1.11.96	0.88	Nil
394.	Commercial complex at T.P. Office.	A	30.12.97	2.41	Nil
395.	Commercial Complex at Ettikulam on Arcot Road.	A	30.12.97	2.70	Nil
396.	Commercial Complex at Mettukupam Salai abutting NH-14	A	30.12.97	0.32	Nil
397.	Shopping complex at Kathi Vakkam High Road	A	4.1.99	0.19	Nil
398.	Electric Crematorium Porur Panchayat	B	30.12.97	0.68	Nil
399.	C/o Electric Crematorium	B	30.12.97	0.68	Nil
400.	Electric Crematorium	B	3.8.98	0.68	Nil
401.	Storage reservoir & Provision of Standposts	B	3.8.98	0.19	Nil
402.	C/o Open Canal for Veerangal Odai & and mini RCC Bridge across Balaji Nagar Main Road.	C	8.1.96	0.30	Nil
403.	Improvement to Sudhananda Bharathy Road, Street & Bharatmata Street	C	8.1.96	0.30	Nil

404.	Improvement and formation of link Rd. Between Ambattur Rly Station & Pattravakkam Level Crossing	C	8.1.96	0.58	Nil
405.	Development of Irumbuliyur Rd.	C	8.1.96	0.37	Nil
406.	Flyover at Koyambedu Junction	C	1.11.96	10.00	Nil
407.	C/o Flyover at Vellage Road	C	1.11.96	17.50	Nil
408.	Pedstrain Subway at Luz	C	30.12.97	3.50	Nil
409.	Pedstrain Subway at Mint	C	30.12.97	3.50	Nil
410.	Compost yard & Purchase of Vehicle	C	3.8.98	0.88	Nil
	<b>Mumbai</b>				
411.	Shivaji Maidan & Market Comp.I	A	5.1.96	1.50	Nil
412.	Development of Commercial Complex at Goadevi	A	5.1.96	3.00	Nil
413.	Truck Terminus	A	5.1.96	5.00	Nil
414.	Electric & Gassified Crematoria	B	5.1.96	4.65	Nil
415.	Art Galery/Museum Conference Centre	B	5.1.96	3.00	Nil
416.	Water Supply Scheme (KDMC)	B	26.2.98	12.20	Nil
417.	Development of Nodal Bus Station	C	5.1.96	0.32	Nil
418.	Upgradation of Existing Relief Shelter	C	5.1.96	1.62	Nil
419.	Bus Stop on Eastern & Western Express highway	C	5.1.96	2.86	Nil
420.	LED display system for Buses	C	26.2.98	0.40	Nil
	<b>Hyderabad</b>				
421.	Ameerpet Flyover	B	8.1.96	5.00	0.22
422.	Panjagutta Fly over	B	8.1.96	4.50	0.20
423.	Viswesarayya Flyover	B	8.1.96	6.00	0.27
424.	RTC 'X' Roads Flyover	B	8.1.96	4.50	0.34
425.	Mojansahi Market Flyover	B	8.1.96	8.00	0.53
426.	Necklace Road Phase-II (ROB)	C	8.1.96	6.00	Nil
427.	Subway at Gunfoundary	B	6.11.95	0.31	0.01
428.	Subway at Pathergatti	B	6.11.95	0.40	Nil
429.	Subway at Shadan College, Khairabad	B	6.11.95	0.32	0.15
430.	Subway at Shankermutt	B	6.11.95	0.35	Nil
431.	RUB at Azampura	B	6.11.95	1.35	0.01
432.	Subway at Assembly	B	6.11.95	0.47	Nil
433.	Subway at Secretariat	B	6.11.95	0.45	Nil
434.	Rub at Haraspenta	B	6.11.95	1.15	0.01
435.	Subway at Tilak Road, Abids	B	6.11.95	0.35	0.01
436.	Construction of modern air conditioned market complex at Feroz Gandhi Park	A	8.1.96	1.50	Nil
437.	Construction of office complex at Darulshifa	A	8.1.96	1.50	0.01
438.	Construction of Modern Market at Monda Market	A	8.1.96	7.00	Nil
439.	Construction of MCH Commercial Complex at Afzalgunj	A	27.2.98	8.00	Nil
440.	Covering of Open nalas/drains in twin cities to generate land as resource	C	27.2.98	9.00	Nil
441.	ROB at Kandikal Gate	B	27.2.98	7.00	Nil
442.	Construction of Urinals at various places	B	27.2.98	0.25	Nil

Source: (1) Minutes of State Level Sanctioning Committee held during 1995-96 to 1999-2000.  
(2) Quarterly progress reports for the quarter ending 31.03.2000.

### 3.2 System of Arbitration in CPWD

*'Management of contracts' in CPWD was earlier included in Report No.2 of 1992 of Comptroller and Auditor General of India which was examined by the PAC. In April 1994 the Ministry of Urban Development had replied to the PAC that with a view to streamline the administration of contracts it had initiated measures such as monitoring system to ensure compliance of laid down instructions analytical study of arbitration cases and preparation of a digest for providing a ready reference to the trends in the past awards for future guidance creation of a Techno Legal Cell etc. The PAC desired in December 1994 that the Ministry should keep a close and continuous watch review the effectiveness of these steps in the light of performance of the contracts and the related Arbitration Awards and take further necessary measures to ensure efficient management of contracts and thereby avoid additional payments to the contractors. However the Ministry had actually not initiated the promised measures resulting in continuance of the avoidable payments to the contractors.*

#### **Highlights**

**Arbitration Awards were not systematically monitored.**

**Delayed supply of drawings, designs, materials and communication of decisions by CPWD to the contractor resulted in avoidable prolongation of contracts and payment of compensation/damages to the tune of Rs 262.74 lakh.**

**The requirement provided by CPWD in the nomenclature of items of work was not compatible with the specification and drawings provided by it, resulting in payment of extra items of work to the contractors aggregating to Rs 55.79 lakh.**

**Non-payment of bills of contractors in terms of the accepted conditions resulted in forfeiture of rebate offered by contractors for timely payments.**

**Non-adhering to the contractual obligations/manualised provisions by the Department led to refund of Rs 286.06 lakh with consequent loss of interest.**

**Irregular rescission of the contracts led to avoidable extra expenditure of Rs 117.71 lakh.**

**CPWD did not fix responsibility on its officials when arbitrators awards had gone against it because of their default.**

**Deficiencies in system of monitoring and management of arbitration cases in CPWD led to delays in follow-up action and rejection of 94 per cent of the claims.**

#### **Introduction**

**3.2.1** The Central Public Works Department (CPWD) is the principal agency of the Government of India for construction as well as maintenance of all



### ***Report No. 2 of 2001 (Civil)***

Central Government buildings and projects. To this end, the CPWD enters into agreements with the contractors. Clause 25 of the agreement provides for appointment of an Arbitrator in case of unresolved questions and disputes relating to matters in connection with or arising out of contracts or carrying out of the work. On receipt of an application from the contractors for appointment of an Arbitrator, the CPWD is required to determine whether the points of disputes fall within the purview of clause 25. Thereafter, CPWD appoints an arbitrator who hears the case. Once the arbitrator makes his award, CPWD is required to examine it. In case it accepts the award, it should take immediate action to have the awards made a rule of the court. The CPWD may challenge the award in the court of law.

The Executive Engineer should send a quarterly statement of pending arbitration cases to the Superintending Engineer who in turn sends a similar statement for the entire circle to the concerned Chief Engineer. These reports should be reviewed by the Chief Engineers at periodical meetings to expedite the finalisation of arbitration cases.

### **Organisational Set up**

**3.2.2** The Director General (Works) heads the CPWD and is assisted by Additional Director General (Works). The Department is divided into seven regional units headed by Assistant Director General. Regional Units are further divided into Zonal Offices, Circle Offices and Divisional Offices headed by Chief Engineer, Superintending Engineer and Executive Engineer, respectively.

### **Scope of Audit**

**3.2.3** During the period April 2000 to July 2000, Audit reviewed records relating to arbitration activities and awards finalised during the years 1994-95 to 1999-2000 of CPWD divisions functioning all over the country. The review covers examination of system followed by the CPWD with reference to Arbitration Act 1940, Arbitration and Conciliation Act 1996, CPWD Manual Vol. II and instructions issued by the Director General (Works). The CPWD have not maintained a control register containing details of all arbitration cases. Audit could, therefore, not ascertain the exact number of arbitration cases but examined 402 cases made available to it as detailed in the **Annex**.

### **Profile of Awards made:-**

**3.2.4** The following table depicts the year wise position of awards, amount awarded, recovery/payment and interest paid:

Rs in lakh

Year	No. of awards reviewed	Awards in favour of CPWD	Amount awarded	Amount recovered	Awards against CPWD	Amount awarded	Interest paid	Total amount paid
1994-95	84	7	49.80	0.002	77	120.59	55.30	163.41
1995-96	79	2	0.03	0.03	77	197.48	50.04	183.25
1996-97	50	1	0.003	-	49	89.80	26.36	148.97
1997-98	12	1	-	-	11	18.78	0.93	5.13
1998-99	93	5	-	-	88	207.74	66.20	176.06
1999-2K	84	6	0.26	-	78	152.98	85.37	198.04
<b>Total</b>	<b>402</b>	<b>22</b>	<b>50.09</b>	<b>0.03</b>	<b>380</b>	<b>787.37</b>	<b>284.20</b>	<b>874.86</b>

Only 22 awards, including 14 nil awards went in favour of CPWD involving payment of Rs 50.09 lakh to it. While in two cases, the CPWD recovered Rs 0.03 lakh from the contractors, Rs 50.06 lakh is to be recovered.

In 380 cases, the awards went against the CPWD. While the CPWD accepted 287<sup>s</sup> awards and challenged 64<sup>a</sup> awards, it is yet to take action on the balance 29<sup>b</sup> awards. The CPWD paid Rs 874.86 lakh inclusive of interest amounting to Rs 284.20 lakh to the contractors against the cases accepted. The arbitrators also disallowed counter claims of CPWD amounting to Rs 212.96 lakh.

### **Avoidable expenditure due to inefficient contract management**

**Damages/  
Compensations of  
Rs 262.74 lakh  
were awarded in  
favour of  
contractors.**

**3.2.5** Clause 2 of the contract provides that the time allowed for the completion of work is the essence of the contract on the part of the contractor. Compensation for delay is leviable by the CPWD and its decision regarding the quantum of compensation is final and outside the purview of the Arbitration clause. CPWD is required to issue notice to the contractor to recover such compensation at the time of acceptance of delayed performance. In 223<sup>c</sup> cases, the contractors delayed the completion of the works. The CPWD neither issued notice to the contractors to claim compensation for delay nor fixed revised dates for completion. The contractors claimed damages/compensation amounting to Rs 262.74 lakh (escalation and interest thereon: Rs 112.68 lakh; increase in market rates : Rs 19.05 lakh; expenditure on watch and ward : Rs 9.47 lakh; cost of idle labour/tools and plants : Rs 117.66 lakh; loss of material at the godown : Rs 0.70 lakh and rent for godown : Rs 3.18 lakh). The arbitrators awarded the compensation as CPWD had delayed handing over of site/drawings/designs. It had also delayed issue of timely and proper notices to the contractors notifying its intention to levy compensation for failure to complete the work within the contract period.

<sup>s</sup> Cases marked in Annexure.

<sup>a</sup> Cases marked in Annexure.

<sup>b</sup> Cases marked in Annexure.

<sup>c</sup> Cases marked in Annexure.

**Report No. 2 of 2001 (Civil)**

Memorandum No. DG(W)/con/81 dated 6 April 1995 issued by Director General (Works) stated that the claims of compensation for establishment expenses, loss of profit during the extended period are incidental to the claims relating to clause 2 of the agreement. These are not within the arbitration and should not be referred by CPWD to the arbitrators. However, CPWD referred 26\* such cases of arbitration resulting in allowance of Rs 28.37 lakh to the contractors (as included in the above figure of Rs 117.66 lakh and Rs 9.47 lakh).

**Incomplete nomenclature/ specification in schedule of work led to awards of Rs 55.79 lakh going against CPWD.**

**3.2.6** Para 24.1.3 of CPWD Manual Volume II provides that the terms of the contract must be precise and definite. In 43<sup>d</sup> cases, the CPWD did not clearly specify the items of work/methods of work/specifications, in the contract. The nomenclature of items of work did not tally with the actual work. Resultantly, the contractors claimed payment for extra items of work. CPWD contested their claim on the ground that the works actually executed were implied in the requirement of items under schedule of work to the contract. The Arbitrators repudiated the contention of the CPWD and allowed Rs 55.79 lakh excluding interest to the contractors.

**3.2.7** The department accepted the conditional rebate offered by the contractors on quoted rates, for regular monthly payment of running account bills and payment of final bills within six months from the date of completion of work. In 107<sup>e</sup> cases the department however, deducted the rebate without making the payment as per agreed terms of the contract. The arbitrators held that the department was not entitled for the rebate and allowed refund of Rs 40.88 lakh and interest (not quantifiable) to the contractors. Failure of department to adhere to the agreed terms of the contracts resulted in forfeiture of stipulated rebate and avoidable loss of interest.

**3.2.8** According to the provisions of CPWD Manual, all decisions relevant to the work/agreement must be taken at the appropriate level. All recoveries due from the contractors under the agreement must be settled before the bills are finalised and under no circumstances should amounts be withheld in the final bills on adhoc basis.

**Refunds of Rs 263.09 lakh were allowed with interest.**

In 270<sup>f</sup> cases, the arbitrators allowed refund of Rs 263.09 lakh with interest (Short payment: Rs 36.13 lakh, Arbitrary deduction: Rs 49.01 lakh, Irregular reduction: Rs 5.65 lakh, Deduction for defective work: Rs 3.52 lakh, Work done but not paid for: Rs 72.58 lakh and Extra item : Rs 96.19 lakh). Failure of CPWD to take decisions resulted in avoidable payment of interest also (not quantifiable).

**3.2.9** In 74<sup>g</sup> cases, the department could neither prove the pilferages, losses nor issued notices to return the excess materials lying at site but effected penal

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\* (Sr. No. 6, 78, 79, 97, 99, 155, 157, 162, 168, 169, 208, 221, 239, 240, 241, 263, 265, 293, 315, 359, 369, 372, 374, 375, 391 and 392 of annexure).

<sup>d</sup> Cases marked in Annexure.

<sup>e</sup> Cases marked in Annexure.

<sup>f</sup> Cases marked in Annexure.

<sup>g</sup> Cases marked in Annexure.

recovery. The arbitrator allowed the refunds of the amount recovered to an extent of Rs 22.97 lakh.

**3.2.10** The department rescinded the work without making the time as an essence of contract as no time was fixed nor extension granted for completion of the work during the validity of contract. The CPWD issued show-cause notices much after the expiry of the stipulated date of completion of work.

Failure of the department in taking timely action for grant of extension of time and issue of timely and proper notice for recovery of compensation/dues led to refund and payments as under:

- (a) Refund of security deposit of Rs 25.89 lakh and interest thereon (not quantifiable) in 70<sup>h</sup> cases.
- (b) Payment of claims towards loss of profit on balance work prevented due to termination of contract amounting to Rs 20.46 lakh in 22<sup>j</sup> cases.

**3.2.11** The Arbitrators also allowed Rs 5.73 lakh and Rs 16.99 lakh to the contractors as cost of arbitration and other claims in 219<sup>k</sup> and 72<sup>l</sup> cases respectively.

**3.2.12** The CPWD made payment of Rs 284.20 lakh as interest as allowed by the Arbitrators/Courts.

#### **Avoidable rejection of Counter Claims**

**3.2.13** Clause 2 of the contract provides for compensation to CPWD from the contractors in case of non-completion of work as per schedule. Clause 3 provides for rescission of the contract by the department in the event of breach of any one or more of the conditions of contract by the contractors. Forfeiture of security deposit and recovery of extra expenditure incurred by the department (over and above the amount of security deposit forfeited) for getting work completed at their risk and cost is also provided for in the agreement.

Recovery of compensation and extra expenditure by the department from contractors amounting to Rs 117.71 lakh under provisions of clauses 2 and 3 of the contracts were set aside by the Arbitrators in 37<sup>2</sup> cases on account of following failures of CPWD:

- Non-issue of timely and proper notices to the contractors notifying intention of the department to levy compensation for failure to complete the work within contract period.

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<sup>h</sup> Cases marked in Annexure.

<sup>j</sup> Cases marked in Annexure.

<sup>k</sup> Cases marked in Annexure.

<sup>l</sup> Cases marked in Annexure.

<sup>2</sup> Cases marked in Annexure.

**Report No. 2 of 2001 (Civil)**

- CPWD did not make time as the essence of the contract that is CPWD and the contractor did not refix the time for the completion of the work after stipulated period of completion.
- Communicating of decision of the department to levy compensation for delayed execution of work after the date of completion of work.
- The balance work awarded to the other agencies was at variance with the original contract in the schedule of quantities.
- The CPWD did not call for tenders for award of balance work.
- The CPWD failed to produce necessary documents to the Arbitrators in support of their counter claims

***Deficient pleadings made before the arbitrator***

**3.2.14** The Hon'ble Supreme Court has held that once there is full and final settlement in respect of any particular dispute or difference in relation to a matter covered under arbitration clause in the contract and that dispute is finally settled, it remains outside the purview of the arbitrator.

In four cases the contractors acknowledged the receipt of final bill unconditionally in full and final settlement. But the departmental officers admitted the claims raised by the contractors subsequently, and referred these to the arbitrator. In the defence statement submitted before the arbitrator the department neither highlighted this fact nor cited the Supreme Court's decision. Arbitrator admitted the claims and issued the award in favour of contractors amounting to Rs 6.16 lakh with interest (Sr Nos. 44, 344, 359, 392 of **Annex**).

***Extra financial burden due to laxity on the part of the department***

**3.2.15** Scrutiny of individual files revealed that there was general laxity in following the time limit prescribed in the manual and instructions issued in appointment of arbitrator (30 days), submission of counter statement of facts (1 to 2 months maximum), challenging the award in court of law (30 days from receipt of notice of court), depositing the awarded amount in the court to avoid accrual of interest etc.

**There were delays in appointment of arbitrators.**

- (a) In 328<sup>3</sup> cases the CPWD did not appoint the arbitrators within the prescribed time limit of 30 days. The time taken ranged between 1 month 3 days to 85 months 9 days.
- (b) In 36<sup>4</sup> cases, the arbitrators published the awards by allowing interest from the date of application for appointment of arbitrators or from the date of notice given by the contractors to Executive Engineers. The delay in withholding the appointment of arbitrators resulted in the additional interest burden (not quantifiable)

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<sup>3</sup> Cases marked in Annexure.

<sup>4</sup> Cases marked in Annexure.

- (c) In 73<sup>5</sup> cases, the department delayed submission of counter statement of facts to the arbitrators and the time taken ranged between 2 months 15 days to 36 months. The delay added to the interest burden as the interest allowed in the award was normally from the date of first reference entered upon by the arbitrator with the parties.
- (d) In 39<sup>6</sup> cases, the department failed to deposit the awarded amount in the court to avoid further accrual of interest in respect of awards challenged in the court which added to the extra interest burden.
- (e) In two cases, the competent authority accorded its approval for challenging the award after the award had been made decree of the court.(S.No. 17 and 42 of **Annex**).
- (f) In seven cases, the CPWD filed the objections in the court after the time limit prescribed, which resulted in rejection /dismissal of objections on the ground that the petitions were barred by limitation. (Sr. Nos. 25, 35(i), 38, 39, 44, 46, 47 of **Annex**).
- (g) In 15<sup>7</sup> cases, the interest paid was upto the date of payment, whereas as per the awards the interest allowed was from the date of award till the date of payment or decree whichever is earlier. The department, instead of restricting the interest upto the date of decree, allowed interest upto the date of payment thereby making an excess payment of interest to an extent of Rs 1.82 lakh.
- (h) The CPWD deposited an amount of Rs 10.10 lakh towards interest in the court in excess due to wrong calculation. (Sr. No. 5, 38 and 293 of **Annex**).
- (i) The High Court imposed a fine of Rs 1500 on the Chief Engineer NZ - III Jaipur in a case for not complying with the orders of Additional District Judge, for timely reference of the claim of the contractor to the Arbitrator appointed by the Court.
- (j) In four cases the amount of the award was shown in excess by Rs 0.25 lakh by the Arbitrator. The department failed to get the same corrected by the arbitrator but made the payment to the contractor in respect of award at Sr. No. 113 and challenged the other awards. (Sr. No. 88, 113, 255 and 261 of **Annex**).

### **Evaluation**

**CPWD did not enforce accountability.**

**3.2.16** As per the instructions of Director General (Works) contained in his memorandum dated 5 January, 1993, the Chief Engineer is required to analyse

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<sup>5</sup> Cases marked in Annexure.

<sup>6</sup> Cases marked in Annexure.

<sup>7</sup> Cases marked in Annexure.

*Report No. 2 of 2001 (Civil)*

the reasons and lapses, if any, on the part of the concerned officials due to which awards went against the CPWD and should send his recommendation to him fixing responsibility and taking action against the officers, wherever necessary. The Chief Engineers were further required to keep statistics of all such cases for information of the Government.

Scrutiny of records however revealed that action in this regard was not taken against officers in default. The position called for in this regard was not intimated. Observations of internal audit of the arbitration cases called for was not made available.

**Monitoring**

**System of monitoring/  
review of arbitration cases was non-existent.**

**3.2.17** The CPWD did not maintain the case wise position of arbitration cases together with details of progress in all the divisions. It did not review the progress of arbitration cases. There were delays in appointment of arbitrators, filing of counter statement of facts, implementation of awards, acceptance/challenging of awards, filing of objections on awards etc. CPWD had not evolved a system to monitor arbitration cases/awards within the department. This resulted in a failure to process arbitration cases and awards effectively.

The matter was referred to the Ministry in November 2000; reply has not been received (March 2001).

**Annex**  
**(Refers to paragraph 3.2.3)**

Sl. No.	Arbitration case No. Date of Award	Agreement No. Name of division
1	2	3
1.	ARB/SSJ/623 c f h k m n s 31.3.95	15/EE/ED 8/90-91 CD-II
2.	ARB/SSJ/726 f n s 15.2.95	8/EE/CDVIII/90-91 CD-II
3.	ARB/SSJ/149 n 13.1.95	18/EE/CDII/76-77 CD-II
4.	22.3.95 f s ARB/SSJ/766	13/EE/CD-8/89-90 CD-II
5.	ARB/SSJ/655 a c f k l n 26.12.94	2/EE/CD-VIII/8687 CD-II
6.	ARB/YPCD/303 a c e f h k m q n 23.3.99	18-EE/CD X/87-88 CD-II
7.	ARB/SSJ/875 f n s 11.7.96	2-EE/CDII/88-89 CD-II
8.	ARB/SSJ/814 f g n s 27.10.95	5-EE/CDVIII/92-93 CD-II
9.	ARB/SSJ/904 k n s 23.7.96	19-EE/CDII/90-91 CD-II
10.	ARB/SSJ/320 c f k l n s 20.10.94	4-EE/CDII/86-87 CD-II
11.	ARB/YPCD/499 c e f n s 12.3.99	28-EE/CDX/89-90 CD-II
12.	ARB/SSJ/822 c e f k n s 23.2.96	12-EE/CD-8/90-91 CD-II
13.	ARB/SSJ/496 b c f g l n 27.12.94	4-EE/CDII/77-79 CD-II
14.	ARB/SSJ/303 c f k l n s 31.10.94	5-EE/CD-2/86-87 CD-II
15.	ARB/YPCD/481 9.2.99	31-EE/CD-X/91-93 CD-II
16.	ARB/YPCD/632 c f k n s 31.3.99	4-EE/CD-VIII/91-92 CD-II
17.	ARB/SSJ/625 c e f h m n p s 28.6.95	1-EE/CDVIII/86-87 CD-XIV
18.	ARB/SSJ/682 c e f g k n p r s 15.9.95	36-EE-II/MBRHP/89-90 CD-XIV
19.	22.3.96 c e f k n p r s ARB/SSJ/812	10-EE-II/MBRHP/86-87 CD-XIV
20.	ARB/SSJ/556 c f h k m n r s 30.6.95	6-DPM/MBRHP/ 88-89 CD-XIV
21.	ARB/SSJ/501 f g n p s 13.6.94	7-EE/MBRHP/86-87 CD-XIV
22.	ARB/SSJ/313 d f h k s 17.2.95	27(A)MBRHP/82-83 CD-XIV
23.	ARB/SSJ/338 c e f k m n p s 21.9.94	2/DPM/MBRHP/83-84 CD-XIV
24.	ARB/SSJ/122 e f g k r s 23.7.96	1-EE-II/MBRHP/84-85 CD-XIV
25.	ARB/SSJ/491 c e f k p s 6.6.95	15/EE-II/MBRRHP/83-84 CD-XIV
26.	ARB/SSJ/654 a c e f n p q 20.10.95	1/EE-II/MBRHP/89-90 CD-XIV
27.	ARB/YPCD/583 f h m n o p s 31.1.2000	6/EE/CDXIV/95-96 CD-XIV
28.	ARB/SSJ/652 c e f k n p s 25.8.94	34/EE-I/MBRHP/ 89-90 CD-XIV
29.	ARB/SSJ/653 c e f n p s 19.10.95	16/EE-II/MBRHP/ 89-90 CD-XIV
30.	ARB/SSJ/751 b l n 3.6.96	11/EE-II/MBRHP/ 86-87 CD-XIV
31.	ARB/SSJ/578 d e f g k n p s 11.3.94	1/EE/SCD/86-87 SCD
32.	ARB/SSJ/754 c e f h k n p s 15.6.95	35/EE/SCD/89-90 SCD

Sl. No.	Arbitration case No. Date of Award	Agreement No. Name of division
1	2	3
33	ARB/SSJ/896 c e f g k n p s 22.12.95	54/EE/ SCD /9192 SCD
34	ARB/SSJ/728 a c e f h k m n q 25.1.95	14/EE/ SCD /85-86 SCD
35(i)	ARB/SSJ/110 c e n p s 28.12.92	11/EE/ SCD /88-89 SCD
35(ii)	ARB/VET/96/25 c f l n o p s 17.10.98	11/EE/ SCD /88-89 SCD
36	ARB/SSJ/198 c k n s 15.12.94	3/EE/ SCD /84-85 SCD
37	ARB/SSJ/446 a c e f h k m n p q 18.4.94	6-EE/CDXI/86-87 Parliament works Division-III
38	ARB/SSJ/448 a c e f h k m n p 29.4.94	7-EE/CDXI/86-87 Parliament works Division-III
39	ARB/SSJ/117 c e f h l m n s 8.6.95	15-EE/81-82 Parliament works Division-III
40	ARB/SSJ/659 c f k n p s 24.3.95	23-EE/CDIX/88-89 Parliament works Division-IV
41	ARB/SSJ/847 a e f n 16.7.96	4-EE/CDIX/89-90 Parliament works Division-IV
42	ARB/VN/312 c f g k n s 19.5.94	3-EE/CDIX/83-84 Parliament works Division- Parliament works Division-IV
43	ARB/SSJ/679 c p n s 10.11.95	26-EE/CDIX/89-90 Parliament works Division- Parliament works Division-IV
44	ARB/SSJ/449 c k p n s 29.6.95	10-EE/CDIX/88-89 Parliament works Division- Parliament works Division-IV
45	ARB/SSJ/439 f p n s 10.2.95	6-EE/CDIX/85-86 Parliament works Division- Parliament works Division-IV
46	ARB/SSJ/634 c h k m n p s 23.1.96	21-EE/CDIX/88-89 Parliament works Division-IV
47	ARB/SSJ/834 d f k n o s 28.7.95	22-EE/CDVII/92-93 Parliament works Division-IV
48	ARB/SSJ/595 c f h k m n r s 13.4.94	12-EE/CDVII/90-91 Parliament works Division- Parliament works Division-IV
49	ARB/SSJ/441 c d e f g k l o r s 11.1.95	2-EE/CD9/83-83 Parliament works Division- Parliament works Division-IV
50	ARB/SSJ/304 c k n p s 22.6.94	8-EE(E)MBRHP/84-85 ECD-V
51	ARB/SSJ/735 b h n 21.9.95	2-ECDV/90-91 ECD-V
52	ARB/SSJ/314 c k n s 29.6.94	15/E(e)MBRHP/83-84 ECD-V
53	ARB/VN/898 a c p n 11.7.95	11-ECDV/89-90



**Report No. 2 of 2001 (Civil)**

Sl. No.	Arbitration case No. Date of Award	Agreement No. Name of division
1	2	3
54	ARB/YPCD/123 hns (Interim award) 7.7.99	12/ECDV/82-83 ECD-V
55	ARB/SSJ/345 b f g h l n p 313.95	7-EE/CDIV/73-74 CD-IV
56	ARB/PKK/7 h l n s 27.12.96	1-EC/FCED/86-87 ED-VII
57	ARB/PKK/143 a 27.9.96	- ED-XI
58	TKM/104 f h j k l n p s 27.9.94	-
59	TKM/75 c f h j k n p s 30.6.94	-
60	TKM/127 e f h j k l n p s 18.8.95	-
61	TKM/119 c d g h k l n s 31.5.96	-
62	BKB/79 c e g h n p s 15.3.99	-
63	ARB/SSJ/463 f h j l n s 18.1.97	11/EE/FSDF/84-85
64	ARB/SSJ/770 c e f k n s 8.3.96	1/EE/FSDF-III/89-90
65	ARB/SSJ/744 c f k n s 11.1.96	5/EE/FCDF-II/87-88
66	ARB/YPCD/20 f h k m n s 9.10.98	1/EE/FCDF-II/88-89
67	ARB/SSJ/493 c f h k s 26.12.95	15/EE/FCDF-II/89-90
68	ARB/SSJ/492 f h k m n s 11.1.96	16/EE/FCDF-II/89-90
69	ARB/SSJ/683 a c e f k n q 11.4.96	32/EE/FSDF/87-88
70	ARB/VN/682 f m n s 6.3.95	17/EE/FCDF/89-90
71	ARB/SSJ/817 f h n s 6.12.95	12/EE/FCDF/91-92
72	ARB/VN/834 f k n s 7.3.95	6/EE/ACD/87-88
73	ARB/SSJ/773 b c f k m n 13.6.96	2/EE/NSGP-DIV-I/89-90
74	ARB/SSJ/738 a f h m q 17.6.96	2/EE/NSGP-DIV-I/90-91
75	ARB/SSJ/826 a c e f k 18.7.96	22/EE/NSGP-DIV-I/88-89
76	ARB/YPCD/17 c e f k n s 25.5.98	Faridabad central division no.1, CPWD Faridabad 1/EE/NSGP/DIV-I/92-93
77	ARB/YPCD/19 c e n s 7.9.98	-do- 1/EE/NSGP/DIV-I/88-89
78	ARB/YPCD/7 c f k n s 11.5.99	-do- -do- 15/EE/NSGP/DIV-III/91-92
79	ARB/YPCD/21 b c e f k l n 27.3.2000	-do- 18/EE/FCDF/94-95
80	ARB/YPCD/668 e l n s 22.12.99	2/EE/KCD/92-93
81	ARB/YPCD/766 e f l n s 24.12.99	7/EE/FSL/91-92
82	ARB/YPCD/155 a c f n 30.11.996	82/KCD/91-92
83	ARB/SSJ/816 f h n s 5.12.95	87/EE/FCDF-I/90-91
84	ARB/SSJ/788 f h n s 6.12.95	31/EE/FCDF-I/90-91
85	ARB/SSJ1043 a c e f l n q 15.4.96	8/EE/FCDF/90-91

Sl. No.	Arbitration case No. Date of Award	Agreement No. Name of division
1	2	3
86	ARB/SSJ/1044 a c e f l n q 12.4.96	10/EE/FCDF/90-91
87	ARB/SSJ/1045 a c e f l n q 4.11.96	11/EE/FCDF/90-91
88	ARB/SSJ/1042 a c e f l q 16.4.96	7/EE/FCDF/90-91
89	ARB/SSJ/1046 a c e f l q 17.4.96	11/EE/FCDF/90-91
90	ARB/YPCD/6 f h m n s 28.10.98	18/EE/FCDF/84-85
91	ARB/YPCD/478 c f g k n s 10.5.99	43/EE/FCDF/88-89
92	ARB/YPCD/530 f k n s 27.5.94	63/EE/FCDF/86-87
93	ARB/YPCD/825 a c d e f k n 29.6.95	85/EE/FCDF/90-91
94	ARB/VN/964 c h k l n s 12.9.95	26/EE/FCDF/91-92
95	ARB/SSJ/813 a c f k q 2.4.96	13/EE/FCDF/86-87
96	ARB/YPCD/37 c k s 8.9.98	10/EE/NSGP/DIV-II/89-90
97	ARB/YPCD/36 a c e f k n q 11.8.99	/EE/Div.II/89-90
98	ARB/YPCD/18 b c d e f h k l n 24.3.2000	6/EE/NSGP/Div-III
99	ARB/YPCD/28 b c k l n 21.3.2000	8/EE/NSGP-V/89-90
100	ARB/SSJ/884 a c f h k n q 26.7.96	15/EE/NSGP/ED-II/89-90
101	ARB/SSJ/885 a c f h k m n 18.7.96	10/EE/NSGP/ED-I/89-90
102	ARB/SSJ/743 a c f h k n 9.3.96	10/EE/NSGP/ED-I/89-90
103	TKM/ARB/CAL/E2/57 m 29.7.94	45EE/BCD/82-83 B.C.D
104	TKM/ARB/CAL/E2/118 mn 29.7.94	8-EE/BCD/83-84 B.C.D
105	TKM/ARB/CAL/E2/250 f h m n s 29.1.96	117-EE/BCD/89-90 B.C.D
106	BKB/ARB/CAL/EZ/118 l n s 12.6.98	104/EE/BCD-I/92-93 B.C.D-I
107	ARB/SSJ/695 c f k n s 29.6.94	30/EE/HCD/1/87-88 Hyderabad Central Division-I
108	ARB/SSJ/632 c f k m n s 287.94	22/HCD-II/85-86 HCD-II
109	ARB/YPCD/340 c o n s 9.6.99	40/EE/HCD-III/89-90 HCD-III
110	ARB/YPCD/339 c n s 20.8.99	62/EE/HVD-III/89-90 HCD-III
111	ARB/SSJ/936 c k n s 24.7.96	2/VCD-III/92-93 Visakaha Patnam central division
112	ARB/SSJ.426 c f l n s 16.6.94	29/EE/HCD-I/87-88 HCD-I
113	ARB/SSJ/852 c d f k n s 16.5.96	23/EE/HCD-I/90-91 -do-
114	RB/SSJ/680 c k l n s 13.5.94	17/EE/HCD-II/87-88 HCD-II
115	ARB/YPCD/337 c f s 24.9.99	37/EE/HCD-III/89-90
116	ARB/YPCD/338 c f g n s 20.9.99	57/EE/HCD-III/89-90
117	ARB/YPCD/343 c f n s 17.6.99	54/EE/HCD-III/90-91 HCD-III
118	ARB/YPCD/341 f s 26.8.99	46/EE/HCD-III/89-90 HCD-III

Report No. 2 of 2001 (Civil)

Sl. No.	Arbitration case No. Date of Award	Agreement No. Name of division
1	2	3
119	ARB/YPCD/342 f n s 16.9.99	34/EE/HCD-III/88-89 HCD-III
120	ARB/SSJ/694 17.11.94	52/HCD-II/89-90
121	ARB/SSJ/729 f k s 4.4.94	25/HCD-II/90-91
122	ARB/SSJ/730 f k s 4.4.94	57/HCD-II/90-91
123	ARB/SSJ/523 c s 30.5.94	35/HCD-III/86-87
124	RB/SSJ/696 18.5.94	44/HCD-II/89-90
125	ARB/EZ-II/SS/658 f s 20.4.99	2/NAAPD/93-94
126	ARB/YPCD/344 f s 14.6.99	12/EE/HCD-III/90-91
127	BKB/ARB/NEZ/248 s 1.7.99	1/CE/SE/E/SH/93-94 Meghalaya Central division
128	TKM/ARB/CA-1/NEZ/174 30.6.94 c f k n p s	19/CE/SE/EE/GCD/ 77-78 GCD
129	TKM/ARB/NEZ/CAL/102 12.12.95 e h k m n s	9/SC/EE/SCD/89-90 Silchar Central Division
130	TKM/ARB/CAL/NEZ/101 12.12.95 c e f h k m n p s	2/EE/SCD/SIL/89-90 -DO-
131	BKB/ARB/NEZ/134 21.9.98 c f m n s	9/SE/EE/AAWD/90-91 AAW Division Guwahati
132	BKB/ARB/NEZ/133 25.9.98 c g h m n s	22/SE/EE/AAWD/88-89 -DO-
133	BKB/ARB/NEZ/42 c e f n s 6.1.99	52/EE/NCD/84-85 Silchar Central Division
134	BKB/ARB/NEZ/67 c e n s 18.1.99	66/SE/EE/TCD/AGT/SIL/ 88-89 Silchar Central Division
135	BKB/ARB/NEZ/68 c e f n s 20.1.99	29/SE/EE/TCD/AGT/SIL/ 88-89 Silchar Central Division
136	BKB/ARB/NEZ/66 e f n s 2.7.99	65/SE/EE/TCD/AGT/SIL/ 87-88 Silchar Central Division
137	BKB/ARB/NEZ/70 c e p n s 25.6.99	66/SE/EE/TCD/AGT/SIL/ 87-88 Silchar Central Division
138	BKB/ARB/NEZ/71 c e f p n s 23.6.99	18/SE/EE/SH/85-86 Silchar Central Division
139	AKB/ARB/NEZ/124 b c e f p n 28.2.2000	65/SE/EE/TCD/AGT/SIL/ 88-89 Silchar Central Division
140	ARB/VN/768 h l n s 20.10.94	14/EE/88-89 Shimla central division-I
141	ARB/SSJ/1059 a c f k l n 12.4.96	5/EE/84-85 -do-
142	ARRB/YPCD/252 b c d f k l n 15.12.99	6/EE/84-85 -do-
143	ARB/YPCD/229 c f k s 27.10.98	1/EE/90-91 SCD-I
144	ARB/YPCD/209 f s 20.5.98	66/SCD/93-94 SCD-I
145	ARB/YPCD/243 f k s 1.6.98	83/EE/92-93 SCD
146	ARB/YPCD/239 f g s 12.11.98	10/EE/SCD/87-88 SCD-I
147	ARB/YPCD/211 s 30.7.98	136/EE/81-82 SCD
148	ARB/VN/619 a f 10.2.94	1/EE/84-85/SCD SCD

Sl. No.	Arbitration case No. Date of Award	Agreement No. Name of division
1	2	3
149	ARB/VN/640 n 31.01.1995	37-EE/CCD/86-87 Chandigarh, C. Division
150	ARB/VN/773 c f g l n s 28.08.1995	37-EE/CCD/84-85 C.C.Divn
151	ARB/SSJ/1034 f l n s 05.07.1996	46-EE/CCD1/91-92 C.C.Divn.I
152	ARB/YPCD/178 e f n s 09.09.1998	60-EE/CCD1/91-92 C.C.Divn.I
153	ARB/YPCD/179 e f n s 10.09.1998	63-EE/CCD1/91-92 C.C.Divn.I
154	ARB/YPCD/159 a c d e f k n 15.10.1998	6-EE/CCD1/92-93 C.C.Divn.I
155	ARB/YPCD/273 c f g k n s 29.06.1999	1-EE/CCD1/95-96 C.C.Divn.I
156	ARB/YPCD/468 e g l n s 20.10.99	16-EE/CCDIII/93-94 C.C.Divn.III
157	ARB/YPCD/101 c e f g k n s 30.11.99	5-EE/CCDI/93-94 C.C.Divn.I
158	ARB/YPCD/171 c e f g k n o s 29.10.99	20-EE/CCDII/93-94 C.C.Divn.II
159	ARB/YPCD/218 c e f g j k n r s 24.6.98	17-EE/BCDII/89-90 B.C.Divn.II
160	ARB/YPCD/63 c f j k r n s 27.11.98	34-EE/BCDI/88-89 B.C.Divn.I
161	ARB/YPCD/95 f h k m n r s 21.1.99	33-EE/BCDII/93-94 B.C.Divn.II
162	ARB/YPCD/97 c f k r n s 28.1.99	1-EE/BCDII/89-90 B.C.Divn.II
163	ARB/YPCD/204 c f k n r s 15.3.99	43-EE/ICD/88-89(Indore Central Division)
164	ARB/YPCD/514 f k n r s 29.4.99	16-EE/ICD/92-93 I.C.Divn.I
165	ARB/YPCD/140 c e f k n r s 8.6.99	8-EE/GCD/93-94 G.C.Divn.
166	ARB/YPCD/143 a c e f g j k n 24.6.99	23-EE/ICD/90-91 ICD
167	ARB/YPCD/399 f k n s 29.7.99	2-EE/ICD/93-94 ICD
168	ARB/YPCD/758 c f k n r s 28.1.2000	12-EE/ICD/93-94 ICD
169	ARB/YPCD/213 c e f h k m n r s 16.3.2000	37-EE/BCDII/93-94 BCDII
170	ARB/SSJ/38 f s 9.8.94	4-MRA/VI/77-78 Kanpur central division
171	ARB/SSJ/39 b f s 12.8.94	6-MRM/IX/77-78 Kanpur central division
172	ARB/SSJ/71 f g n 12.6.95	4-MRM/D-I/81-82 Kanpur central division
173	ARB/SSJ/831 f k s 19.7.96	7-UP/SE-ACC/89-90 DCDI
174	ARB/SSJ/803 c e f k s 17.6.96	11-EE/88-89 Allahabad Central Division
175	ARB/YPCD/53 a c e f g k q 10.2.1999	6-U.P./CE(NZ)/89-90 DCD 1
176	ARB/YPCD/401 e f k s 13.10.1999	5-EE/DCD 2/93-94 DCD 2
177	ARB/YPCD/51 c d e f k s 14.1.2000	1-CE/F/93-94 DCD-1
178	ARB/YPCD/74 e n s 19.1.2000	44-DCD-II/91-92 DCD-II
179	ARB/SSJ/856 f g h k s 25.7.96	EE/12/88-89 DCD-I
180	ARB/SSJ/765 b f g 11.7.96	FSK/3188-89 Kanpur Central Division
181	ARB/YPCD/60 h s 19.8.98	10-EE/DCD II/87-88 DCD II

**Report No. 2 of 2001 (Civil)**

Sl. No.	Arbitration case No. Date of Award	Agreement No. Name of division
1	2	3
182	ARB/YPCD/207 h m s 23.3.99	8-K-94-95
183	ARB/KKM/SZ-1/74187 ARB/YPCD/695 l n s 7.3.200	37-MCD IV/92-93 Madras Central Division IV
184	ARB/VN/852 27.7.95	61-EE/ACK/91-92 Ahmedabad Central Division
185	ARB/YPCD/362 b f h m 3.11.98	20-EE/GCD/90-91 Gandhi Nagar Central Division
186	ARB/NEZ/12 n s 4/95	Manipur Central Division-I
187	ARB/NEZ/5 a q n 21.8.98	Manipur Central Division
188	ARB/SSJ/468 n s 26.8.94	EE/MCD/20/88-89 Madhopur Central Division
189	ARB/SSJ/254 n s 5.4.94	EE/MCD/5//87-88 MCD
190	ARB/SSJ/403 n s 28.9.94	EE/MCD/2/85-86 MCD
191	ARB/VN/770 a c f g h k n 12.5.94	EE/MCD/12/89-90 MCD
192	ARB/VN/722 c e f g k s 20.9.94	9-EE/ACD88-89 Jalandhar Central Division
193	ARB/SSJ/792 f n s 8.3.95	2-EE/KFD/90-91 JCD
194	ARB/SSJ/796 f s 28.2.95	3-EE/KFD/90-91 JCD
195	ARB/VN/723 f k s 18.7.94	16-EE/ACD/88-89 JCD
196	ARB/SSJ/469 f h k l s 13.4.94	WO/EE/ACD/88-89 JCD
197	ARB/VN/764 c f g k n s 15.2.95	49-EE/ACD/88-89 JCD
198	ARB/SSJ/833 f k s 28.2.95	23.-EE/ACD/89-90 JCD
199	ARB/SSJ/785 f h k n s 21.8.95	EE/MCD/45/90-91 MCD
200	ARB/SSJ/867 f g k n s 9.10.95	EE/BFDM/19/92-93 MCD
201	ARB/SSJ/1037 c f n s 16.2.96	EE/MCD/42/87-88 MCD
202	ARB/SSJ/892 f n s 17.1.96	EE/MCD/43-90-91 MCD
203	ARB/SSJ/915 b f g k n 15.2.96	EE/MCD/42/89-90 MCD
204	ARB/SSJ/843 d f k l n o s 14.10.95	EE/BFD/5/90-91
205	ARB/SSJ/860 d f k l n o s 14.10.95	EE/BFDS/22/90-91
206	ARB/SSJ/937 a c f k n 7.3.96	EE/MCD/30/89-90
207	ARB/SSJ/364 c g k l s 21.6.95	22EE/FSL/78-79
208	ARB/SSJ/967 c d f g k n s 22.2.96	EE/BFDG/6/90-91
209	ARB/SSJ/863 a c f h k n q 17.4.95	6EE/KFD/90-91
210	ARB/SSJ/864 b c f j k l n 21.4.95	17EE/KFD/90-91
211	ARB/SSJ/891 f g n s 4.4.96	EE/MCD 1/90-91
212	ARB/YPCD/419 b e f n c 18.2.99	EE/CD/20/83-84

Sl. No.	Arbitration case No. Date of Award	Agreement No. Name of division
1	2	3
213	ARB/YPCD/161 f g j k n s 3.12.98	EE/MCD/3/92-93
214	ARB/YPCD/258 h j k n s 3.7.98	EE/MCD/61/90-91
215	ARB/YPCD/108 9.2.99	12/EE/BFD/90-91
216	ARB/YPCD/109 10.2.99	15-EE/BFD/90-91
217	ARB/YPCD/152 10.2.99	14-EE/BFD/90-91
218	ARB/YPCD/437 b k l n 23.2.99	39-EE/ACD/82-83
219	ARB/YPCD/257 s 23.9.99	WO 10/SE/FSL/88-89 LCD
220	ARB/YPCD/174 s 22.9.99	WO 25/E/FSZ/88-89
221	ARB/YPCD/548 c d e f k l n s 28.10.99	21-EE/FSZ/91-92
222	ARB/YPCD/210 e f s 18.10.99	10-EE/FSZ/91-92
223	ARB/YPCD/807 b c f 31.3.2000	15-EE/LCD/95-96
224	ARB/YPCD/253 c f g k l n s 30.9.99	82-EE/ACD/89-90
225	ARB/YPCD/164 c f g k s 22.7.99	38-EE/ACD/90-91
226	ARB/YPCD/275 a c d n q 25.11.99	13/EE/BFD/92-93 BFD
227	ARB/YPCD/549 b c f n 26.11.99	12/EE/BFD/Fazilka/9293 BFD
228	ARB/YPCD/248 c e f g k n s 12.4.99	50/EE/ACD/89-90 ACD
229	ARB/YPCD/413 2.6.99	EE/CCD/23/83-84
230	ARB/YPCD/99 1.6.99	EE/CCD/52/83-84
231	ARB/Shri K.D. Bali) 17.4.97 b c e f h j k l	95/EE/JDC/92-93
232	ARB/SSJ/535 c d f k n o p s 19.5.94	38/EE/BCD/88-89 Bikaner Central Division
233	ARB/SSJ/534 c d f g k n o p s 24.5.94	42EE/BCD/88-89 -do-
234	ARB/SSJ/536 d f g k n o p s 11.5.94	8/EE/BCD/89-90 BCD
235	ARB/SSJ/460 c d f k l n o p s 10.5.94	2EE/BCD/89-90 BCD
236	ARB/SSJ/457 c d f g k n o p s 16.5.94	47EE/BCD/89-90 BCD
237	ARB/SSJ/456 c d f k n o p s 26.4.94	48/EE/BCD/88-89 BCD
238	ARB/YPCD/8 f k l n o p s 14.7.98	23/EE/BCD/91-92 BCD
239	ARB/YPCD/147 c d f k n o p s 5.3.99	55/EE/BCD/88-89 BCD
240	ARB/YPCD/145 c d f k n o p s 1.3.99	60/EE/BCD/88-89 BCD
241	ARB/YPCD/146 c d f k n o p s 3.3.99	61/EE/BCD/88-89 BCD
242	ARB/YPCD/9 e f g p n p s 24.2.99	13/EE/BCD/86-87 BCD
243	ARB/SSJ/921 d f k n p s 8.4.96	5/EE/BCD/88-89 BCD
244	ARB/SSJ/957 d f g k n p s 8.4.96	6/EE/BCD/89-90 BCD
245	ARB/SSJ/958 d f k n p s 9.4.96	33/EE/BCD/88-89 BCD
246	ARB/SSJ/920 d f k n s 17.5.96	34/EE/BCD/88-89 BCD

**Report No. 2 of 2001 (Civil)**

Sl. No.	Arbitration case No. Date of Award	Agreement No. Name of division
1	2	3
247	ARB/SSJ/956 d f k n p s 17.5.96	7/EE/BCD/88-89 BCD
248	ARB/YPCD/214 c f h k n o s 25.6.99	95/EE/JCD/90-91 JCD-II Jaipur
249	ARB/VN/896 h l p n s 31.5.95	8EE(E)/JCED/91-92 Jaipur Central Electrical Division Jaipur
250	ARB/VN/881 l n 23.5.95	4/EE(E)/JCED/91-92 -do-
251	ARB/SSJ/537 a f j k l n o p q 24.9.94	7/EE/BCD/89-90 BCD
252	ARB/SSJ/859 a d f k n p q 23.2.96	13/EE/BFD/RSN/91-92 BFD-V Barmer
253	ARB/SSJ/840 a d k n o q 23.2.96	14/EE/BFD/RSN/91-92 -do-
254	ARB/SSJ/954 a d f k n q 22.2.96	16-EE/BFD/SKP/91-92 -do-
255	ARB/SSJ/955 a d f k l n p q 22.2.96	15/EE/BFD/SKP/91-92 -do-
256	ARB/SSJ/893 a d f n p 23.7.96	1/EEBCD/89-90 BCD Bikaner
257	ARB/SSJ/918 a d f n p 22.7.96	64/EE/BCD/88-89 -do-
258	ARB/SSJ/894 a d f n p 22.7.96	65/EE/BCD/88-89 -do-
259	ARB/YPCD/149 a f k n o p q 16.10.98	54/EE/BCD/88-89 -do-
260	ARB/YPCD/150 a f k n o p q 16.10.98	50/EE/BCD/88-89 -do-
261	ARB/YPCD/523 18.11.98 a c d f g h k l n o p q	5/EE/ACD/87-88 ACD/Ajmer
262	ARB/YPCD/10 a f g k l n o p q 11.9.98	100/EE/JCD/90-91 JCD-I Jaipur
263	ARB/YPCD/376 a c f k n o p q 12.11.98	43/33/BCD/87-88 BCD Bikaner
264	ARB/YPCD/385 22.2.99 a c e f g k l n o p q	6/EE/JCD/90-91 JCD-II Jaipur
265	ARB/YPCD/148 a c f k n o p q 1.4.99	67/EE/BCD/88-89 BCD Bikaner
266	ARB/YPCD/379 a e f g k n o p 29.7.99	20/EE/JCD/91-92 JCD-II Jaipur
267	ARB/YPCD/215 24.8.99 b c e f g h k l n o p	22/EE/ACD/88-89 ACD Ajmer
268	ARB/YPCD/12 b f k n p 22.12.99	77/EE/BCD/88-89 BCD Bikaner
269	ARB/YPCD/11 b f k n o p 23.12.99	78/EE/BCD/88-89 BCD Bikaner
270	ARB/YPCD/617 29.2.2000 b c f g h k n o p	3/EE/ACD/79-80 JCD-I Jaipur
271	ARB/YPCD/382 28.12.99 a c e f k n o p q	32/EE/JCD/89-90 JCD-II Jaipur
272	ARB/YPCD/901 a n 22.2.95	24/EE/(E)/JCED/91-92
273	ARB/YPCD/144 a e f k n p q 1.7.99	34/EE/ACD/92-93 ACD Ajmer
274	ARB/JNL/1988/1104 b f g n p 31.3.99	EE/JCD/66/89-90 Jammu Central Division
275	ARB/SB/I b g k n 16.3.99	EE/JCD/28/88-89 -do-
276	ARB/JNL/1997/1103 b n o p 31.3.99	EE/JCD/12/87-88 -do-
277	CE(BFZ)RL-1/979 b n o 8.7.99	EE/JCD/43/88-89 -do-
278	ARB/SSJ/406 a n 25.11.94	46/CCD/78-79 Kochi Central Division
279	ARB/SSJ/726 a c f h j k m q 30.6.95	70/TCD/90-91 Thiruvananthapuram Central Division

Sl. No.	Arbitration case No. Date of Award	Agreement No. Name of division
1	2	3
280	ARB/PKK/1 a f n 31.7.96	38/TCED/89-90 Thiruvananthapuram Electrical Central Division
281	ARB/PKK/2 a f 21.6.96	2/TCED/92-93 -do-
282	ARB/YPCD/527 m 31.3.99	23/TRCD/91-92 Thrissur Central Division
283	ARB/YPCD/529 4.5.99	6/TRCD/91-92 -do-
284	ARB/YPCD/297 c s 3.5.99	10CHCD/91-92 Kottayam Central Division
285	ARB/YPCD/761 c d n s 9.12.99	53/TCD/94-95 Thiruvananthapuram (Central Division)
286	ARB/SSJ/699 c f g k l n s 9.2.95	15/CE/BCD-I/87-88 Bangalore Central Division.I
287	ARB/YPCD/291 a f n 29.12.99	41/BCDI/CE/91-92 Bangalore Central Division.I
288	ARB/YPCD/292 f n s 20.10.98	20/EE/91-92 BCD - II
289	ARB/YPCD/290 a c f g j k n q 10.12.98	6/CE/SZ/BCD I/88-89 Bangalore Central Div. I
290	ARB/SSJ/700 b f n 24.11.94	94/BCD-II/89-90 BCD-II
291	ARB/YPCD/286 a c f k n q 19.11.98	7/EE/BCD-I/93-94 BCD-I
292	ARB/YPCD/287 a c f k q 19.11.98	26/SE/BCD-I/93-94 BCD-I
293	ARB/YPCD/289 a c d f n 24.3.99	10/CE/BCD-II/92-93 BCD-II
294	TKM/ARB/EZ/CAL/240 23.11.94 c e f k n s	12-CCD-V/89-90 Calcutta Central division V
295	TKM/ARB/CAL/EZ/234 c k n s 16.8.94	43-EE/CCD II/90-91 CCD - II
296	TKM/ARB/CAL/EZ/193 h k n s 28.6.94	47-EE/CCD-II/89-90 CCD-II
297	TKM/ARB/CAL/EE/246 c f g k n s 31.1.95 Corrigendum 23.2.95	21-EE/CCD VI/89-90 CCD VI
298	TKM/ARB/CAL/EZ/218 c s 29.12.94	32-CCD VI/72-73 CD VI
299	TKM/ARB/CAL/EZ/231 31.10.94 c f g j k n s	43-CCD-VI/89-90 CCD VI
300	TKM/ARB/CAL/EZ/153 31.5.94 c e g k n s 6.6.94	5-EE-SCAD/85-86 SCAD
301	TKM/ARB/CAL/1BBZ/254 22.2.95 c e k n s	2-EE/BCD I/90-91 BCD I
302	TKM/ARB/CAL/EZ/146 28.11.94 c e k l n s	2-EE/CCD II/84-85 CCD II
303	TKM/ARB/CAL/EZ/264 21.3.95 c f k s	11-CCD VI/83-84 CCD VI
304	TKM/ARB/CAL/CZ/178 25.4.94 c e f j k l s	5-CCD VI/90-91 CCD VI
305	TKM/ARB/CAL/EZ/242 21.3.95 c n s	7-CCD VI/72-73 CCD VI
306	TKM/ARB/CAL/EZ/259 31.3.95 c e k n s	4-EE/CCDV/91-92 CCD V
307	TKM/ARB/1BBZ/164 29.3.95 c d f k n s	9-KCD/89-90 KCD
308	TKM/ARB/CAL/1BBZ/239 30.6.95 c f k n s	5-KCD I/90-91 KCD I

**Report No. 2 of 2001 (Civil)**

Sl. No.	Arbitration case No. Date of Award	Agreement No. Name of division
1	2	3
309	TKM/ARB/CAL/IBBZ/238 30.6.95 c f k n s 19.7.95	6-KCD-I/90-91 KCD I
310	TKM/ARB/CAL/EZ/277 11.8.95 c g k n s	30-CCD VII/91-92 CCD VII
311	TKM/ARB/CAL/EE/171 26.4.95 c k n s	5-CCD VI/87-88 CCD VI
312	TKM/ARB/CAL/IBBZ/256 28.7.95 c f k n s	3-KCD/90-91 KCD
313	TKM/ARB/CAL/IBBZ/223 29.9.95 c f k l n s	16-KCD I/89-90
314	TKM/ARB/CAL/EZ/300 30.1.96 c e f k n o s	1-EE/CCD II/89-90 CCD II
315	TKM/ARB/CAL/IBBZ/305 BKB/ARB/IBZ/81 25.3.96 c e l s 7.8.98	1-KCD/90-91 KCD
316	TKM/ARB/CAL/IBBZ/303 29.3.96 a j n q 9.4.96	7-EE/MRCD/92-93 MRCD
317	TKM/ARB/CAL/IBBZ/215 14.12.95 c f k m n s	11-KCD I/88-89 KCD I
318	TKM/ARB//CAL/308 26.3.96 c e f k n s	17-EE/CCD VII/91-92 CCD VII
319	TKM/ARB/CAL/EZ/241 29.2.96 c e f h n s	6-EE/CCD II/82-83 CCD II
320	TKM/ARB/CAL/EZ/245 29.2.96 c f g n s	27-EE/CCD II/86-87 CCD II
321	Matter no. 4079 of 1988 Matter no. 41 of 1995 DOA 11.4.95 13.11.96 c k n s 25.12.96	4-EE/CCD-II/77-78 CCD-II
322	TKM/ARB/CAL/EZ/263 29.6.95 c j k l n s	9-EE/CCD-VI/91-92 CCD-VI
323	TKM/ARB/CAL/EZ/244 30.11.95 c e f h k n s	25-CCD-V/90-91
324	TKM/ARB/CAL/EZ/237 27.2.96 c f n s	10-CCD-V/87-88
325	TKM/ARB/CAL/IBBZ/291 31.10.95 c g k l n s	3-BCD/90-91
326	TKM/ARB/CAL/EZ/268 29.11.95 c k l n s	16-EE/CCD-II/87-88
327	TKM/ARB/CAL/EZ/217 m 30.11.95	28-EE/CCD-II/89-90
328	TKM/ARB/CAL/IBBZ/304 29.3.96 a j n q	6-EE/MRCD-I/93-94
329	TKM/ARB/CAL/IBBZ/190 n 10.11.95	1-KCD/88-89
330	ARB/VN/157 c e f g k n s 4.1.96	4-CCD-V/80-81
331	TKM/ARB/CAL/EZ/309 19.1.96 f k n s	5-EE/NLD/92-93
332	TKM/ARB/CAL/EZ/161 8.8.96 c d e f l n s	30/CCD II/88-89
333	TKM/ARB/CAL/IBBZ/339 31.7.96 c k n s	14-EE/MRCD II/93-94
334	TKM/ARB/CAL/253 c f h k n s 30.7.96	4-SE/EE/BLCD/90-91
335	TKM/ARB/CAL/IBBZ/290 26.4.96 f j m n s	7-EE/BCD/89-90
336	TKM/ARB/CAL/EZ/327 31.5.96 e n s	55-EE/CCD-V/91-92
337	TKM/ARB/CAL/EZ/284 30.4.96 c e f g h l n s	2-EE/CCD V/85-86
338	TKM/ARB/IBBZ/287 c k l n s 25.4.96	11-KCD/89-90
339	TKM/ARB/CAL/EZ/269 c e l n s 24.6.96	49-CCD V/91-92

Sl. No.	Arbitration case No. Date of Award	Agreement No. Name of division
1	2	3
340	TKM/ARB/CAL/EZ/156 24.6.96 c e f g n s	4-CCD V/84-85
341	JP/ARB/CAL/EZ/1 c f k n s 24.9.96	23-EE/CCD II 90-91
342	TKM/ARB/CAL/EZ/307 24.6.96 h l n s	72-EE/CCD I/85-86
343	BKB/ARB/16Z/102 6.2.98 c n s	7-KCD/89-90
344	BKB/ARB/18Z/93 10.2.98 c n s	14-KCD/93-94
345	BKB-ARB/EZ/47 c n s 19.3.98	9-EE-CCD I/93-94
346	BKB/ARB/EZ/13 c e k n s 10.2.98	4-EE/NLD/94-95
347	BKB/ARB/EZ/19 c k n s 27.1.98	58-CCD III/92-93
348	BKB/ARB/EZ/6 c l n s 5.2.98	3-EE/SCAD/88-89
349	BKB/ARB/EZ/14 e f g k n s 16.2.98	4-CCD VII/91-92
350	BKB/ARB/EZ/17 c e g k n s 12.11.97	23-CCD III/93-94
351	BKB/ARB/EZ/5 f h k l n s 4.3.98	28-EE/SCAD/79-80
352	BKB/ARB/EZ/37 e f k n s 18.3.98	3/EE/NLD/92-93
353	BKB/ARB/EZ/(EL)/55 n s 24.3.98	35CE/EE(E)CCED II
354	BKB/ARB/IBZ/103 c n s 28.4.98	8-KCD-II/90-91
355	BKB/ARB/Ez(E)/56 c d k n s 1.5.98	16-EE/CED I/93-94
356	BKB/ARB/IBZ/119 c l n s 31.8.98	19-EE/BCD I/93-94
357	BKB/ARB/EZ/(EL)33 c h n s 2.11.98	16-EE/CED IV/89-90
358	BKB/ARB/EZ/171 c f g n s 9.11.98	11-EE/CCD V/94-95
359	BKB/ARB/IBZ/101 c h n s 14.10.98	7-KCD/90-91
360	BKB/ARB/IBZ/82 c n s 22.2.99	18-KCD/89-90
361	BKB/ARB/IBZ/89 c n s 12.3.99	16-EE/BCD/89-90
362	BKB/ARB/IBZ/112 c n s 15.7.98	1-KCD/89/90
363	BKB/ARB/EZ/11 c e f g k n s 20.4.98	71-CCD III/93-94
364	BKB/ARB/EZ/99 c f g k n s 18.11.98	72-EE-CCD III/93-94
365	BKB/ARB/EZ/172 c f k n s 16.11.98	5-EE-CCD III/94-95
366	BKB/ARB/EZ/98 c f k n s 9.9.98	65-EE-CCD III/93-94
367	BKB/ARB/IBZ/191 f n s 22.2.99	23-EE-BCDII/95-96
368	BKB/ARB/IBZ/106 c f j k n s 18.9.98	2-SE/EE-BLCD/93-94
369	BKB/ARB/EZ/173 c g k n s 29.1.99	13-EE/CCDVII/91-92
370	BKB/ARB/EZ/36 c k n s 6.7.98	11-EE-CCD III/93-94
371	BKB/ARB/IBZ/123 f n s 16.12.98	2-KCDII/94-95
372	BKB/ARB/EZ/20 c e f g k n s 5.2.99	82-EE/CCDV/91-92
373	BKB/ARB/EZ/152 c n s 6.10.98	20-EE/CCDV/90-91

Sl. No.	Arbitration case No. Date of Award	Agreement No. Name of division
1	2	3
374	BKB/ARB/CAL/EZ/43 c j n s 22.7.98	19-EE/CCDVI/89-90
375	BKB/ARB/EZ/7 c e f k n s 4.8.98	48-EE/CCDIII/91-92
376	BKB/ARB/EZ/97 f h k s 26.5.98	13-EE/CDVI/82-83
377	BKB/ARB/EZ/174 f h k n s 30.12.98	25-EE/CCDVI/80-81
378	BKB/ARB/EZ/9 e f n s 13.11.98	11-CC/EE/CCDVI/92-93
379	BKB/ARB/EZ/96 f k n s 15.1.99	55-EE/CCDV/95-96
380	BKB/ARB/EZ/138 e k n s 8.6.98	20-EE/CCDIII/95-96
381	BKB/ARB/EZ/182 f k n s 3.3.99	7-EE/CCDV/83-84
382	BKB/ARB/EZ/185 e k n s 5.2.99	6-EE/CCDVII/94-95
383	BKB/ARB/EZ/EL/57 n 5.5.98	37-SE/EE/CEDII/94-95
384	BKB/ARB/IBZ/45 a e g n 29.5.98	28-EE/BCDI/93-94
385	BKB/ARB/IBZ/90 c n s 26.4.99	15-EE/BCD/89-90
386	BKB/ARB/IBZ/94 c l n s 12.4.99	1-EE/BCD/90-91
387	BKB/ARB/IBZ/164 c n s 17.5.99	9-KCDI/88-89
388	BKB/ARB/IBZ/166 c f q n s 3.5.99	13-EE-BCD/90-91
389	BKB/ARB/IBZ/122 e f n s 21.5.99	9-EE-KCDI/94-95
390	BKB/ARB/IBZ/146 e f n s 24.5.99	33-SE/EE-KCDI/93-94
391	BKB/ARB/EZ/39 c k n s 22.6.99	12-EE/CCDII/93-94
392	AKB/ARB/IBZ/54 c k l n s 18.2.2000	5-EE-BCDI/94-95
393	AKB/ARB/IBZ/53 k n s 31.1.2000	10-EE/BCD/89-90
394	AKB/ARB/IBZ/68 c f g n s 31.1.2000	5-EE/BCD/92-93
395	BKB/ARB/IBZ/149 n s 21.7.99	3-KCDII/94-95
396	BKB/ARB/EZ/116 f k n s 5.5.99	10-EE/CCDIII/92-93
397	BKB/ARB/EZ/251 n 29.6.99	7-EE/CCDI/94--95
398	BKB/ARB/EZ/184 f k n s 21.4.99	8-CCDV/83-84
399	BKB/ARB/IBZ/59 e f g n s 4.5.99	19-EE-BCDI/94-95
400	BKB/ARB/EZ(E)/230 n s 16.6.99	3-EE(E)-CCEDII/93-94
401	AKB/ARB/IBZ/60 n 27.3.2000	14-EE-BCD/89-90
402	BKB/ARB/ABZ/177 e f g n s 20.4.99	18-EE-BCD I/94-95