

ANNUAL REPORT

2004 – 2005



WBSEB

WEST BENGAL STATE ELECTRICITY BOARD

FOREWORD

Annual Report of the Board is published every year in September as per the requirements of the Statute. It is not only a process to keep the legislators and the policy makers posted of the developments in the Board but also help our managers understand the pace of progress that the Board is striving for, to meet the target set out in the Corporate Plan. That way, it is a document that provides the basic inputs for further improvements through better design, monitoring and planning.

That the Board has been able to circumvent the challenges posed by the Electricity Act 2003 would be evident from the Revenue performance during the last three years in general and 2004-05 in particular. In spite of nominal change in the tariff, it could register 12.4% increase in revenue last year for which substantial contribution of power-trading can hardly be overemphasized. This is of course a boon in disguise that the new Act ushered in through Availability Based Tariff procedure. Again, it is contrary to the popular perception that its own consumers were deprived. Rather it is the fall out of better Grid-management through constant monitoring, better demand-side management, sharp reduction in pilferage of power and ambitious financial restructuring. This would be clear from the fact that the average Reliability Index was 99.19 in Asansol for June 2004 and that of Santipur was 98.50 for July 2004 and supply in the optimum frequency band reached a better height from 96.12% to 97.84% on an average everyday throughout its command area, compared with the previous year. We are committed to enhance these parameters further, once we consistently get required quantum of power from the different power generating units as per their commitment and in tandem with our schedule. Because, they supply about 95% of our requirement of power that we put into the Grid; and without their support it would be difficult to achieve better reliability.

Restructuring of financial instruments, timely repayment of loans, timely payment of power-bills and such other financial discipline have blessed us doubly. We received incentives for timely payment of bills and reduction of loss and it added leverage in bargaining power with several financial institutions to modify terms of loan. And all these together earned us better rank (8th, in the All-India Level) in the ICRA-CRISIL rating.

The year 2006 is very critical for the Board primarily due to the mismatch of projected demand and supply. The number of prospective consumers will be very high as the Board has drawn up systems to provide power connection to the intending consumers within a reasonable time frame through simplified procedures; on the other hand the supply of power from the existing Generating Stations does not have any silverlining to offer to supply additional power because of their obvious constraints. It perforce requires import of power for the next year, for which the Board has already set off initiatives. This additional import would be redundant from March 2007 onwards as the PPSP will start generating power during the peak hours and several other Power Projects will start pouring additional power to the Board from that time.

The JBIC funded Purulia Pumped Storage Project with a Project-cost of about Rs. 3189 Cr is being constructed much ahead of schedule. Once it starts generating power, the existing adverse Hydel-Thermal ratio would improve and, the Board is confident to supply power to all its consumers without any interruption for many more years. Impounding of water in its reservoirs has started upon inauguration of the same by the Hon'ble Chief Minister in July 2005. The job of installation of equipment and machineries is in advanced stage. The project has already been declared a 'Mega-Project' by the Union Government and the Board is fully aware of its commitments of supplying power to other utilities.

The Board has got to manoeuvre fluctuation of demand between 900 MW and 2800 MW. Stringent enforcement of "Demand side Management", the major alternative that was available with us has already started yielding results. To regulate indiscriminate consumption during peak hours by the agricultural consumers, at nominal tariff, the Board has decided to provide meter to all the agricultural consumers and the process is on. Since the benefit of TOD metering is extended to such agricultural consumers, it is expected that peak period demand will be controlled to a great extent by this way. This apart, erection of dedicated feeder for the agricultural consumers is in the anvil and is likely to gather momentum soon. These two arrangements, I believe, would be helpful to put our system-demand on track.

Energy Audit is another area that started bearing golden results. Through continuous exercise of energy-audit since November 2004 after completing feeder metering, we can now easily identify the porous areas of pilfer-prone zones and take corrective steps through ceaseless raid programmes and other oversight mechanisms. Seventeen Security & Loss Prevention units functioning at different circles for the last two years have not only been able to fix 'small fries' and 'big-fishes' and take punitive measures against them but also in percolating the message down the level that the days of consuming power through tapping and getting away with it are over.

In the last few years the Board has made huge investment for building an improved Transmission &

Distribution network. During the last four years 17 EHV Sub-Stations and 43 HV Sub-Stations have come up. Massive extension of transmission lines both at HT & LT levels, has immensely increased the HT/LT ratio to the advantage of the Board by way of reducing AT&C loss from 28.32% in 2003-2004 to 26.98% in 2004-2005. Consumers are happier with the improved voltage level (for example, voltage level improved from 173 V to 219 V in Bidhannagar Circle and from 135 V to 197 V in South 24 Pgs Circle in one year), the Board is happy with better revenue potential.

Introduction of HVDS, ABC, intelligent electronic meters and TOD meters have further reduced loss of energy and revamped revenue base. Implementation of Geographical Information System in 230 urban electric supplies, which are likely to be completed soon, will buttress the system of preventing energy loss through better phase-management, even without DTR metering.

The Board also has implemented APDRP Schemes in eight Circles and seventeen towns with convincing results. T&D loss, for example, has registered as low a figure as 17% in Bidhannagar Circle and 21.28% in Howrah Circle (both being included under APDRP schemes), against 38.25% and 25.29% respectively in the previous year. This APDRP Project covers most of the district headquarters and important industrial towns in the State. Once this project is completed by 2007 we can reasonably expect that T&D loss can be reduced to the level as agreed upon in the MoA with the Government of India. These are some of the few examples that the Board has undertaken to foster 'Supply-side-Management'.

The Board is concerned about its revenue performance because it would otherwise block public fund that could better be utilized for basic amenities of the citizens. It is concerned about the quality of supply to its consumers because it is the 'performance-yardstick' by which the citizens would like to adjudge the Board for the 'Value for Money' that they are paying for. The Board is also aware of its commitments towards the people of Rural Bengal. In keeping with the target set by the Government, elaborate schemes for energizing all the 5739 unelectrified villages by March 2007 are in the pipeline. Most of the CPSUs entrusted with the task of execution of the job have already completed their surveys and actual job of erection is likely to take shape by October 2005. We are very hopeful that by March 2007 all the targeted villages would be energized. The additional load demand of these new consumers would be of the order of about 184 MW which the Board is confident to provide. Attempts have been taken to connect as many rural households as possible by engaging local Self Help Groups, who would pursue the local people to get connection without any hassle and with least inconvenience.

For better consumer care, procedure for new connection has been simplified; all the energy bills are now computer generated; bill-payment mechanism through ECS, Post-Offices, Automatic Machines have been introduced. Attempts are on, to take out such process of payment through electronic devices up-to-the village level. For better transparency any consumer can now visit our Website and ascertain his billing status. To reinvigorate the system and to attend any kind of problem that a consumer might face, a project for preparing Data Warehouse at Zonal levels is in the process of execution. Three-tier Grievance Redressal System already in operation has been strengthened by opening a Call-Centre with a dedicated Toll-free number.

'Open Access' in the regulatory regime has narrowed down the breathing space for the Board. To keep pace with the ambitious programme of industrialization of the State Government and offset the trend of going for the captive units or for wheeling of power by the bulk consumers, the Board has already identified the prospective 'Industrial Growth Centres' and started setting up infrastructure-backbone in the districts of Howrah, West Midnapore, Burdwan, Bankura, Darjeeling and Jalpaiguri for providing adequate and stable power to the upcoming industries at affordable cost and minimum time-lag.

I must take the opportunity of reminding my colleagues in the Board to be firm and diligent to adhere to the Performance-Benchmarks set out by the West Bengal Electricity Regulatory Commission regarding supplying power and maintaining quality of service to the consumers, to avoid any financial damage that might be inflicted upon us for the violation of such standards. In the past, all the employees have been able to rise to the occasion and prove their ability. I hope, they will always make room for further improvement to supply power to the five million consumers without any interruption and at an affordable and reasonable price. And finally, without being bewildered, we should remain prepared to face the new challenges that might come on our way in the process of further restructuring of the Board.



M. K. De
Chairman

Salt Lake, the 19th September 2005

PREFACE

The Annual Report of WBSEB attempts to compile the activities and achievements of its various departments during a particular year. The objective of this exercise is to highlight its achievements and progress not only to its own employees but also to different government departments, other utilities in the state and central sector, the opinion makers and the general members of the public.

During this year, various efforts have been made to improve customer service standards by the Board. Electronic Clearing Service (ECS) facility was implemented in five supply offices. We have also implemented the system of collection of energy bills through post offices in 15 supply offices of the state. In order to facilitate payment of energy bills, three Automatic Cash Collection Machines have been commissioned and eight others are on the verge of being commissioned in different supply offices. The mobile maintenance service introduced last year has been successfully operating in the industrial areas, and is being further extended to improve the customer services throughout West Bengal. An IT based Call Centre has been functioning from Vidyut Bhavan for customer grievance redressal. It has the provision for a Toll-free telephone to receive the customer complaints and information regarding theft of power. To strengthen the internal and external communication in the Board, an outside consultant has also been engaged for designing and implementing a customized communication plan.

Remarkable progress was made during the year in the implementation of the Externally Aided Projects. Thirty-one new Sub-stations and eight extension Sub-stations were put in operation during the year, and 1192 ckm of EHT lines were added to the transmission network under the West Bengal Transmission Project. Construction activities in the 900 MW Purulia Pumped Storage Project also progressed as per schedule, the impounding of both its reservoirs having started in July 2005.

On the financial front, WBSEB made astounding progress during the year 2004-05, achieving a cash surplus of Rs. 289 crore after meeting all its liabilities. The current liabilities of the Board also decreased by Rs. 619 crore during this period. Capital works valuing around Rs. 980 crore were converted into fixed assets during this year. The board received an amount of Rs. 273 crore as cash incentives during this year. The board received an amount of Rs. 75 crore as cash incentives this year from the Government of India under A.P.D.R.P. for reducing its cash losses during the year 2001-02 and 2002-03. The interest rates on outstanding loans from financial institutions were also substantially reduced after prolonged negotiations, resulting in substantial financial savings for the Board.

The Board is steadily marching towards its aim of providing quality power at reasonable price to all its customers and improving its financial position on a sustained basis.



S. K. Gupta
Member – Secretary

West Bengal State Electricity Board

26 September 2005

CONTENTS

Page

◆ Introduction	3
◆ Functions of the Board	4
◆ Generation Hydel	18
■ Hydel Planning Cell	18
■ Mini Micro Hydro Power Projects	19
■ Jaldhaka Hydel Power Station	20
■ Rammam Hydel Project, Stage-II	21
■ Teesta Canal Fall Hydel Project	22
◆ Purulia Pumped Storage Project	26
◆ West Bengal Transmission System Project	29
◆ Transmission	32
◆ Distribution Wing	41
◆ Rural Electrification (RE)	56
◆ Monitoring Cell	62
◆ Board Cell	62
◆ R.M.R. Cell	63
◆ Personnel Planning Cell	64
◆ T.Q.M. Cell	66
◆ Management Relations Cell	66
◆ Corporate Personnel Cell	68
◆ Standing Selection Committee – I	70
◆ Standing Selection Committee – II	71
◆ House Building Loan Section	72
◆ Common Service Branch	73

CONTENTS**Page**

◆ Legal Cell	75
◆ Land Acquisition	76
◆ Public Relations	79
◆ Medical	81
◆ Liaison Office : New Delhi	82
◆ Salt Lake Complex	82
◆ Security & Vigilance	83
◆ Corporate Vigilance	86
◆ HRD Department	88
◆ Energy Management Cell	91
◆ Safety Department	91
◆ Electronic Data Processing Cell	95
◆ Finance And Accounts Department	98
◆ Internal Audit	101
◆ Central Planning & Engineering Department	106
◆ Central Commercial	110
◆ Industrial Promotion Cell	119
◆ Industrial Relations Cell	122
◆ Central Stores & Purchase Department	124
◆ Central Testing Department	129
◆ Communication Wing	132
◆ Satcom Project	135
◆ Central Load Despatch	138

INTRODUCTION

West Bengal State Electricity Board came into being on 1.5.1955. The Board is a creation of Electricity (Supply) Act., 1948 as enacted by the Parliament of India on 10th September, 1948. The Board is constituted by Notification in the Gazette of the Government of West Bengal. The Members of the Board are appointed by the State Government and one of the Members is appointed Chairman of the Board by the State Government.

Consequent upon legislation of the Electricity Act 2003, the Board was functioning as Distribution & Transmission licensee initially for one year from 10.6.2003 to 9.6.2004 and the term of the Board was extended initially for one year upto 9.6.2005 and further extended upto 9.12.2005 vide the Govt. Order No. 218-Power/III/3R-05/2003 dtd. 9.6.2004 & 158-PO/O/III/3R-05/2003 Pt dtd. 1.6.2005 respectively.

General duties of the Board as enunciated in the Act of 1948 shall be the promotion of co-ordinated development of the generation, supply and distribution of electricity within the State in the most efficient and economical manner, development of areas not served by any supplier and in particular (a) to prepare and carry out specified schemes, (b) to supply electricity to owners of control stations and to licensees whose stations are closed down under the Act of 1948 and (c) to supply electricity as soon as practicable to any other licensees requiring such supply and whom the Board be competent under this Act so to supply.

The Board, that was constituted vide Notification No. **S.P.(Misc)-620/03 dated 11 March 2003** of the Secretary, Department of Power, Government of West Bengal for a period from **19 March 2003 to 30 April 2005** comprised of the following Members :

- **Chairman** Shri Sanjay Mitra, *IAS*
- **Member** Shri Dipak Ganguli
- **Member** Shri Sunil Kumar Gupta, *IAS*
- **Member & Principal Secretary, Deptt. of Finance, Govt. of West Bengal, Ex-Officio Member** Shri Samar Ghosh, *IAS*
- **Principal Secretary, Deptt. of Power, Govt. of West Bengal, Ex-Officio Member** Dr. K. K. Bagchi, *IAS*

The Board, was further re-constituted vide Notification No. **S.P.(Misc)-826/03 dated 19 November 2003** of the Secretary, Department of Power, Government of West Bengal for a period of one year and by including the following Members :

- **Member** Shri Mrinal Kanti Ray
- **Member** Shri Swapan Kumar Ghosh

The Board, was further re-constituted vide Notification No. **923-PAR (IAS) dt. 25.4.04; 3941-PAR(IAS)/JC-48/03 dt.17.11.04 & 101-Power/IV/2E-15/2001 dt. 9.2.2005** of the Govt. of West Bengal for a period upto 30.4.2005 by including the following office bearers :

- Shri Malay Kr. De Chairman
- Shri Dilip Kr. Roy Member in place of Shri Dipak Ganguli
- Shri Prasadranjan Ray, *IAS* Principal Secretary, Deptt. of Power Govt. of West Bengal, Ex-Officio Member in place of Dr. K. K. Bagchi, *IAS*

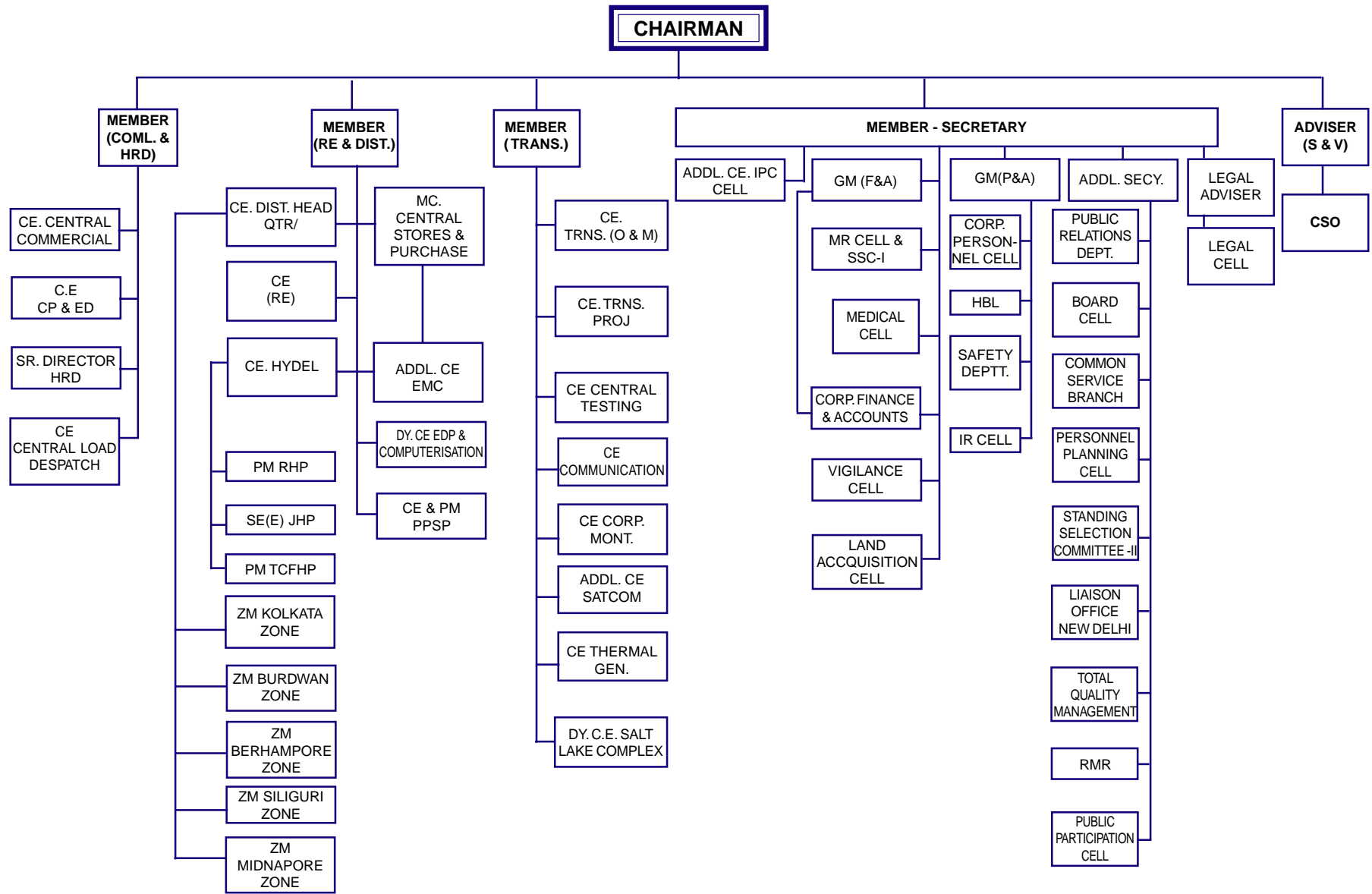
FUNCTIONS OF THE BOARD

THE BOARD DISCHARGES THE FOLLOWING DUTIES

- ◆ To arrange for the supply of electricity that may be required within the State and for transmission & distribution of the same in most efficient and economical manner with particular reference to those areas which are not for the time being supplied or adequately supplied with electricity
- ◆ To supply electricity as soon as practicable to a licensee or other person requiring such supply
- ◆ To exercise such control in relation to the generation, distribution and utilisation of electricity within the State
- ◆ To collect data on the demand for, and the use of electricity and to formulate perspective balance in co-ordination with the generating company or companies, if any, operating in the State for the generation, transmission and supply of electricity within the State
- ◆ To prepare and carry out schemes for transmission, distribution and generation for promoting the use of electricity within the State
- ◆ To operate the generating stations under its control in co-ordination with generation company or companies, if any, operating in the State and with the Govt. or any other Boards or agencies having control over the power system.



ORGANISATIONAL CHART OF WBSEB



HIGHLIGHTS OF ACHIEVEMENTS : 2004–2005

I. TRANSMISSION :

■ Length of Transmission Line : Cumulative as on 31.03.2005				■ Transformation Capacity : Cumulative as on 31.03.2005				
400kV	220kV	132kV	66kV	400/220kV	220/132kV	132/33kV	66/11/6.6kV	33/11kV
754.843 CKM	2304.664 CKM	4753.718 CKM	527.7 CKM	2154.5 MVA	4120 MVA	4480 MVA	249.7 MVA	561.4 MVA
■ Addition of Transmission Line : 2003–2004				■ Addition of Transformation Capacity : 2003–2004				
400kV	220kV	132kV	66kV	400/220kV	220/132kV	132/33kV	66/11/6.6kV	33/11kV
Nil	Nil	34 CKM	Nil	630 MVA	480 MVA	153.5 MVA	4 MVA	61.7 MVA

II. DISTRIBUTION

■ Length of Sub-Transmission & Distribution Lines : Cumulative as on 31.03.2005				■ Sub-Transmission & Distribution Capacity : as on 31.03.2005	
33kV	11/6.6kV	M & L.V.		33kV	11/6.6&6/0.4kV
9053.21 KM	74663.19 KM	81719.15 KM		3751.60 MVA	3715.139 MVA
■ Addition of Sub-Transmission & Distribution Lines : 2004–2005				■ Addition of Sub-Transmission & Distribution Capacity : 2004-2005	
33kV	11/6.6kV	M & L.V.		33kV	11/6.6&6/0.4kV
340.02 KM	1119.38 KM	1567.71 KM		206.50 MVA	91.973 MVA
■ Total Nos. of Connected Consumers : Cumulative as on 31.03.2005				■ No. of Consumers Connected during 2004–2005	
Dom.	Comml.	Ind.	Agri.	Others	Total
4336860	586069	69536	105399	3941	5101805
Dom.	Comml.	Ind.	Agri.	Others	Total
399922	55452	3177	2512	6	461069

III. RURAL ELECTRIFICATION :

■ Achievement of Mouza Electrification & Intensification						
Total No. of Mouza		Virgin Mouzas Electrified			Intensification of Hamlets	
As per 1991 Census	As on 31.03.2004	During 2004-2005	As on 31.03.2005	As on 31.03.2004	During 2004-2005	As on 31.03.2005
37910	29602	156	29758 *32171	9781	1443	11224

* including those done by WBREDC & WBREDA

■ Achievement of Energisation of Agricultural Pump-Sets									
As on 31.03.2004					As on 31.03.2005				
STW	DTW	RLI	Total		STW	DTW	RLI	Total	
1,04,658	5322	1733	111713		1,04,943	5375	1737	1,12,055	

IV. FINANCIAL :

Particulars	2003 – 2004 (Actual)	2004 – 2005 (Provisional)	(Rs. in Crore)
Revenue Earned from Sale of Power	3892		4130
Total Revenue Income	4280		4424
Net Revenue Expenditure	4624		4682
Net Profit	- 344		- 258

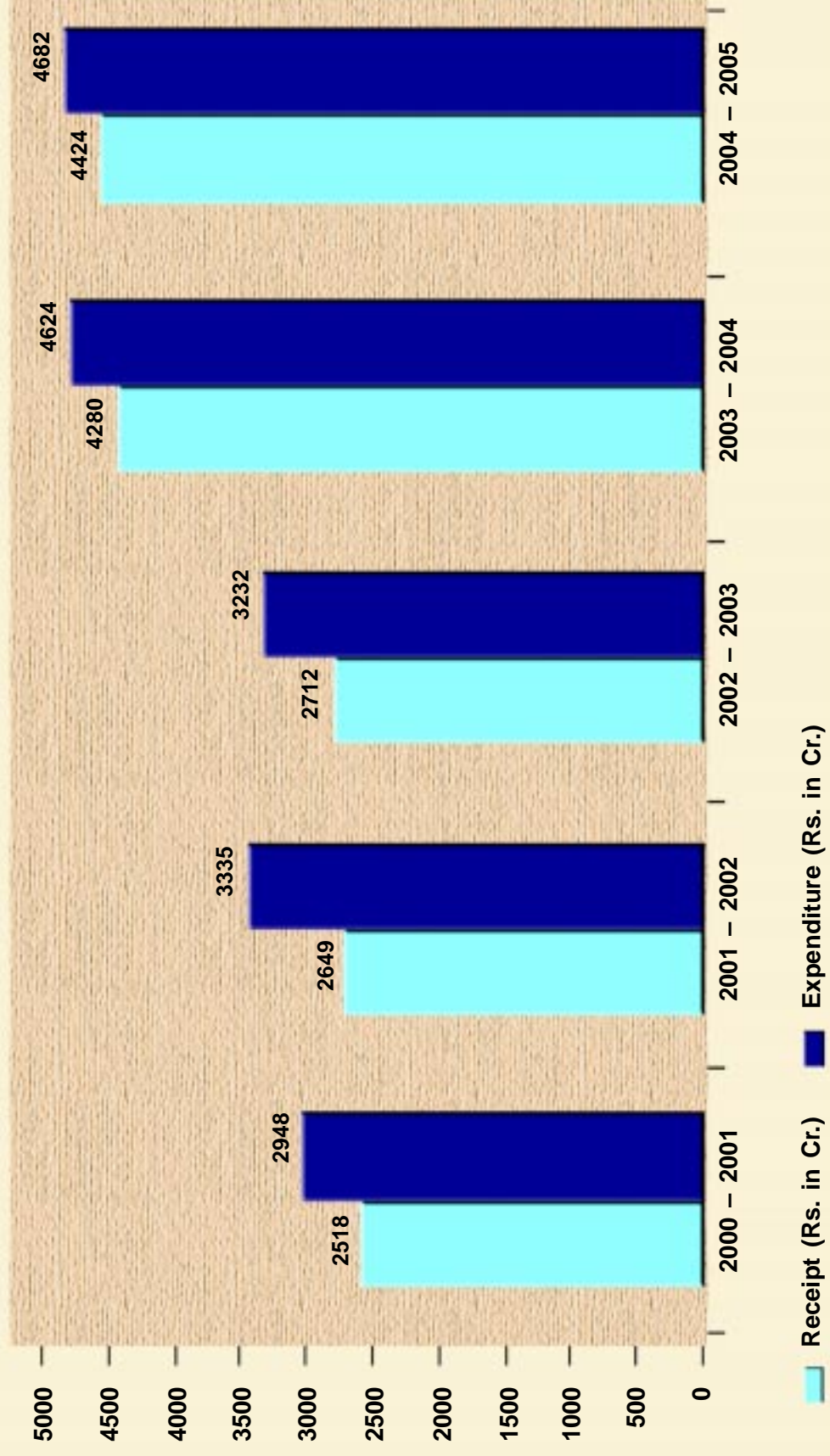
VII. SALE OF ENERGY : 2004 – 2005 (PROVISIONAL)

Category of Consumers	Energy in MKWH	Percent
Inter-State	3098.880	22.87
Domestic	3128.425	23.09
Commercial	1158.799	8.55
Agriculture	814.588	6.01
Industrial	3581.467	26.43
Public Lighting	82.390	0.61
Public Water Works / Sewerage	140.289	1.04
Railway Traction	602.620	4.45
CESC & Other Bulk	868.638	6.41
Outside Supply	72.525	0.54
Grand Total	13548.621	100.00

VIII. CATEGORY-WISE SALE OF POWER (PROVISIONAL)

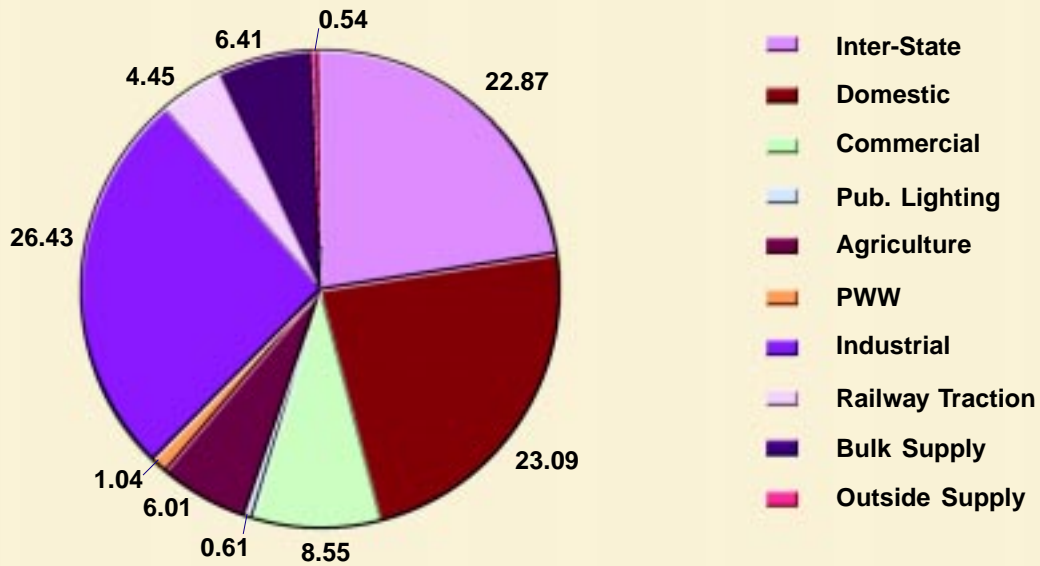
Category of Consumers	Percent
Inter-State	22.87
Domestic	23.09
Commercial	8.55
Agriculture	6.01
Industrial	26.43
Public Lighting	0.61
Public Water Works / Sewerage	1.04
Railway Traction	4.45
CESC & Other Bulk	6.41
Outside Supply	0.54
Total	100.00

REVENUE RECEIPT & EXPENDITURE (Rs. in crore)



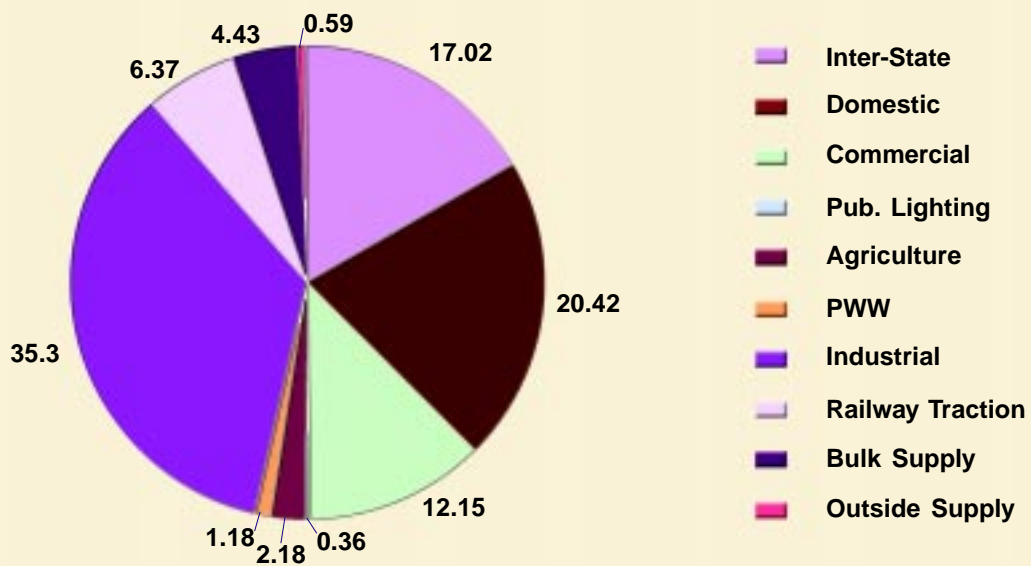
SALE OF ENERGY (MKWH) (in%)

For the year 2004 – 2005



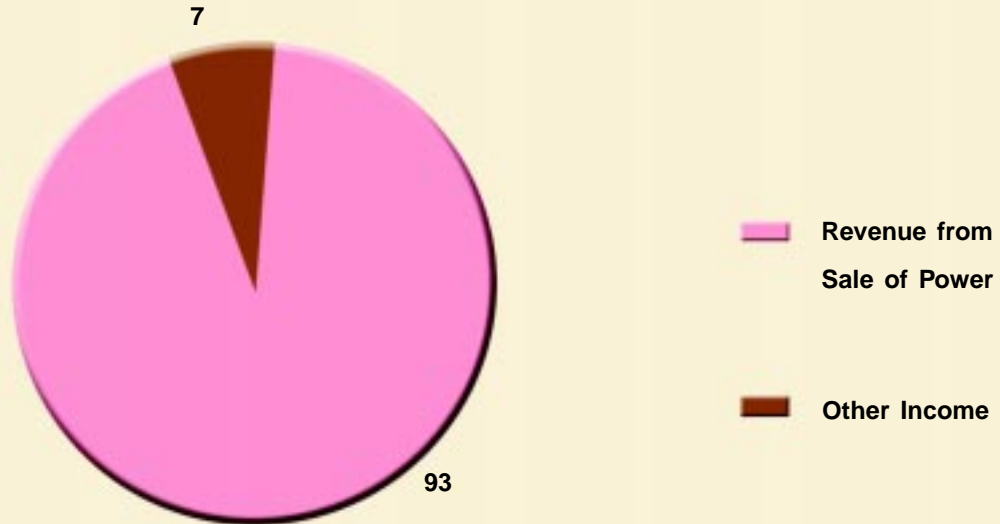
SALE OF ENERGY (RUPEES) (in%)

For the year 2004 – 2005



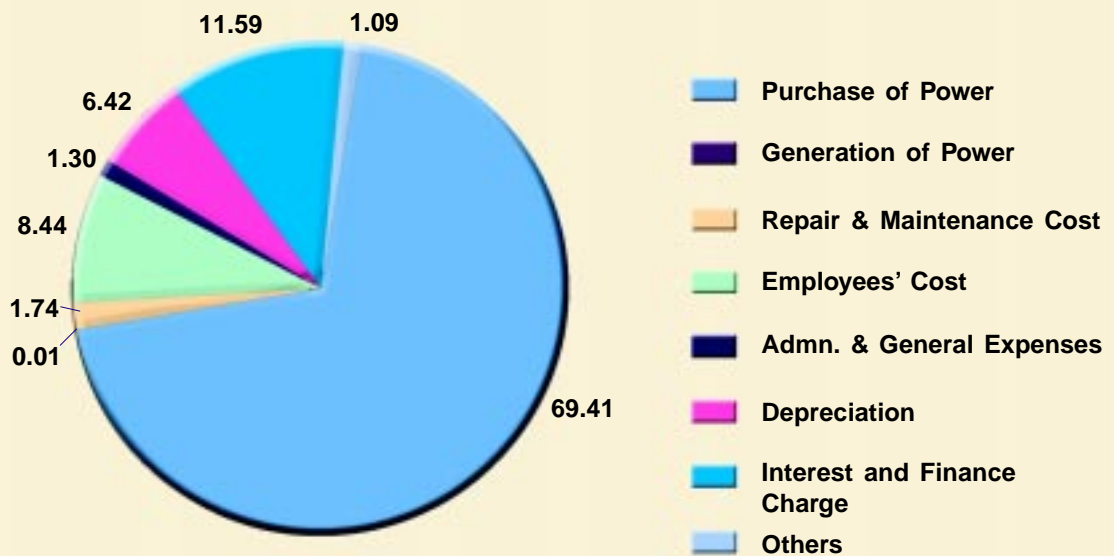
SOURCE OF INCOME (in %)

For the year 2004 – 2005



UTILISATION OF INCOME (in %)

For the year 2004 – 2005



TRANSMISSION & DISTRIBUTION (LINES IN CKM)

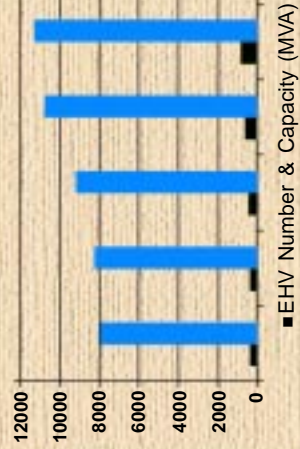
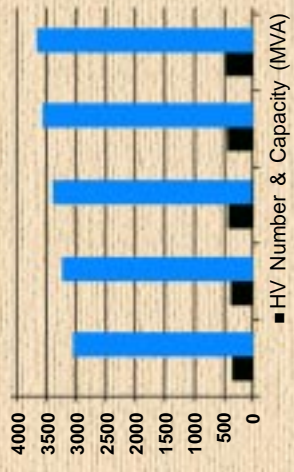


Lines (ckm)

	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
HT	77166.60	78896.72	80917.75	82257.73	82591
LT	72888.71	75270.37	78675.95	80161.44	82434.28
E-HT	7155.83	7072.78*	7535.78	8306.925	8340.925

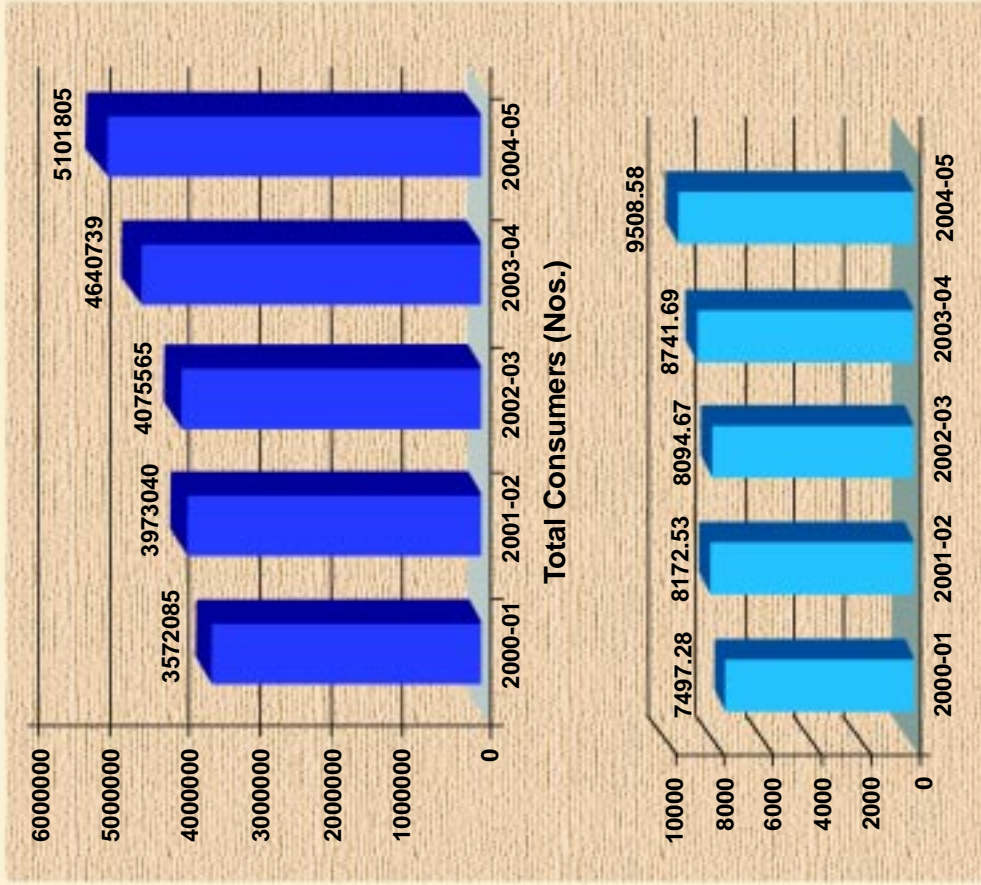
* Line length is reduced due to defunct of some 66KV lines and conversion of 66 KV lines to 33 KV lines

T & D SUB-STATIONS

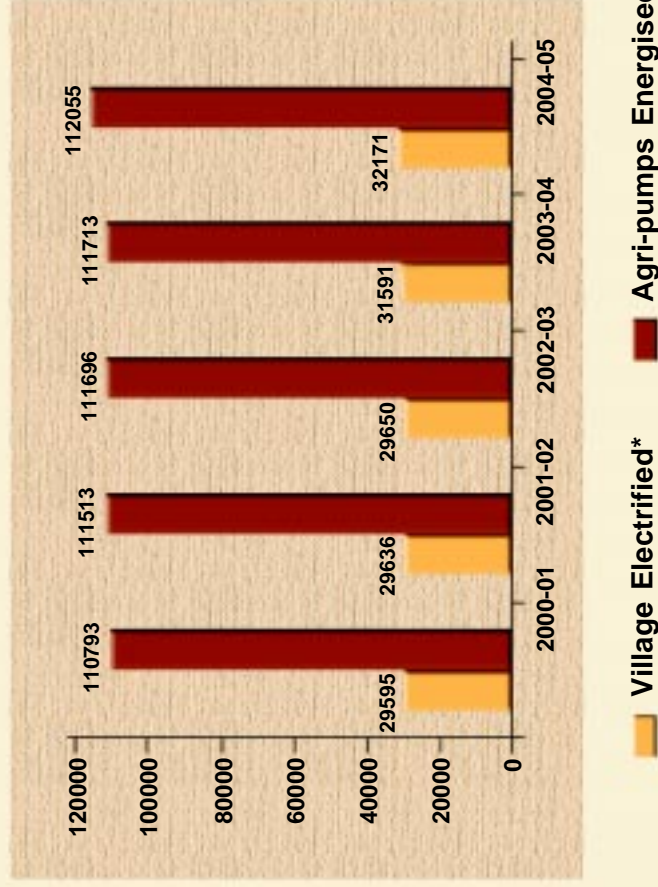


Sub-stations	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
EHV Number	61	61	68	75	78
Capacity (MVA)	7857.2	8139.9	9096.6	10661.4	11256.1
HV Number	305	309	323	333	352
Capacity (MVA)	3023.85	3209.60	3376.30	3545.10	3696.30
M&LV Number	67260	6999	72839	74894	76320
Capacity (MVA)	3158.682	3330.032	3500.003	3623.166	3697.953

TOTAL NUMBER OF CONSUMERS & THEIR TOTAL CONSUMPTION



VILLAGE ELECTRIFIED & AGRI-PUMPS ENERGISED



*As per 1991 census

GENERATION HYDEL

The Hydel Wing is headed by one Chief Engineer with its Head Quarters at Siliguri having overall jurisdiction of construction, operation and maintenance of Hydel Power Stations, viz. Rammam Hydel Power Station (Stage-II) with 4 x 12.75 MW installed capacity and Jaldhaka Hydel Power Station Stage-I and II with 3 x 9 MW and 2 x 4 MW installed capacity, operation and maintenance and construction of Teesta Canal Fall Hydel Project (3 x 3 x 7.5 = 67.5 MW installed capacity) activities of Survey and Investigation Wing with administrative control over the newly set-up Mini-Micro Hydel Cell.

HYDEL PLANNING CELL

STATUS OF DIFFERENT POWER PROJECTS UNDER IMPLEMENTATION BY WBSEB FOR R&M / AUGMENTATION / NEW CONSTRUCTION

JALDHAKA HYDEL POWER STATION (AUGMENTATION & R & M SCHEME)

Jaldhaka Hydel Power Station started its operation with 2 x 9 M.W. generating units in 1967. Initially, Stage-I power House had been installed with its two units and a third unit of same capacity was added in the year 1972. Stage-II Power House of Jaldhaka Hydel Project had been commissioned with 2 x 4 M.W. capacity in the year 1983. Since commissioning, Jaldhaka Hydel Power Project could not generate the level of design capacity i.e. 110 MU till 1997 when it crossed that limit and achieved a generation of 111.94 MU. In the year 1998-1999, it generated 123.03 MU and in the year 2001-2002 an all time record generation of 137.26 could be achieved.

The project had experienced a serious set back due to ageing effect coupled with incessant rain in August 2000 when its components were struck by catastrophic land slides and inundation with flood water. Hence a restoration work along with renovation, modernisation and augmentation are essential. The scope of augmentation work involves installation of one unit of 9 MW at Stage-I and one unit of 4 MW at Stage-II. For this purpose, it may please be noted that Power Finance Corporation Ltd. accorded sanction of loan to the tune of Rs. 34.85 crores for RM&U of JHP, Stg.-I & II against the original estimated cost of Rs. 49.79 crores with cost escalation. The agency also agreed to advance a loan of Rs. 22.30 crores for extension of the said project for JHP, Stg.-I & II with original estimated cost of Rs. 44.60 crores with cost escalation. Meanwhile M/S MECON have submitted DPRs for the R&M, Augmentation and Scada jobs of both JHP, Stg.-I & II and on the basis of the cost estimates, we intended to take loan from M/S. PFCL under AG&SP scheme on the estimated cost of Rs. 53.67 crores with provision of cost escalation. It has also been decided to conduct the Augmentation scheme of JHP, Stg.-I & II with an estimated cost of Rs. 12.38 crores and Rs. 20.73 crores respectively with funds from MNES and M/S. PFCL.

The DPRs have been finalised. For Hydro-Mechanical works (LOT-II), order was placed to M/S. R.M. Sinha & Co. and shutdown for this work was taken from 18.12.04. Civil work for Stop Log Gate and refurbishing of main spillway gate, Intake, Trashrack, Draft Tube gate work are in progress. For R&M of TG & Auxilliary of all existing units of Stage-I, Lot.III, tender invited and site inspection by different agencies were done and pre-bid meeting completed. For inside and outside powerhouse electrical works, Lot-IV, bid submitted by M/S. ABB Ltd. is under scrutiny.

LODHAMA INTER-CONNECTION FOR AUGMENTATION OF RAMMAM HYDEL PROJECT, STAGE-II

Rammam Hydel Power Station with its 4 x 12.75 MW sets was commissioned in the year 1995. The performance of the Power Station is excellent which achieved a record generation of 245.31 MU in the year 1999-2000. But in the lean period, due to inadequacy of water availability, capacity utilisation of the power station is not possible and hence, Lodhama Inter-Connection Scheme has been taken up to utilise

the discharge of Lodhama river during this time. In fact, Lodhama Inter-Connection Scheme was originally included in the DPR of Rammam HEPS, Stage-II and approved by the CEA in 1977. The scheme will be implemented in two parts :

- i) Construction of diversion structure and desilting basin alongwith allied civil works for Lodhama Intake at the ordered value of Rs. 4.75 crores (approx). The financial progress achieved upto March, 2005 is Rs. 77.326 Lakh.
- ii) Construction of power tunnel which will be interconnected with the main existing tunnel originating from Rammam river at a value of Rs. 19.59 crores. Upto March, 2005, the financial progress achieved upto March, 2005 has come to Rs. 1020.88 Lakh excluding the mobilisation advance of Rs. 195.80 Lakh.

The discharge of Lodhama river will augment generation of Rammam HEP, Stage-II by 50/60 MU annually. The estimated cost of the total work is Rs. 39.90 crores. The project will be implemented by PFC loan assistance of Rs. 19.95 crores and the remaining fund is to be arranged by WBSEB.

MINI MICRO HYDRO POWER PROJECTS

RAMMAM INTERMEDIATE STAGE (9MW)

Board has sanctioned the DPR with project cost of Rs. 49.41 crores for the project and WBSEB will execute the work with MNES grant and REC loan assistance. The processing for REC loan availability and other pre-constructional activities of the project are in progress. The preparation of the technical specification will be taken up soon.

MUNGPOO-KALIKHOLA HYDRO POWER STATION (3x1MW)

This small Hydro Project has been completed by WBSEB with fund assistance from MNES. Unit nos. I, II and III have been commissioned on 16.10.2003, 14.04.2004 and 28.10.2003 respectively. The units are available for trouble free operation subject to availability of water and grid power. The estimated cost for the project has been Rs. 15.95 crores, however, the expenditure incurred till February, 2005 was Rs. 23.72 crores.

SIDRAPONG HYDRO POWER STATION (3x200KW)

This is a heritage power station installed in 1897. Two Units i.e. Unit No-I & III had been commissioned with the grid on 26.9.2002. Commissioning of Unit No.-II is in progress, the work is expected to be completed very shortly. The approved cost for the R&M work had been Rs. 180.70 Lakh and the expenditure incurred till February, 2005 has been Rs.224.02 Lakh.

NAXAL HYDRO ELECTRIC PROJECT (600KW)

This project will be executed by WBSEB on turnkey contract basis on behalf of WBREDA with MNES assistance. WBSEB already finalised the DPR and the evaluation of tender is in process.

STATUS OF DIFFERENT HYDEL POWER PROJECTS UNDER PRIVATE SECTOR IN WEST BENGAL

RAMMAM HYDRO ELECTRIC PROJECT STAGE-I

Initially Board accorded approval for implementation of the project through IPP on BOOM basis with an estimated cost of Rs. 176.01 crores. However, on account of poor response against our press tender from the pre-qualified bidders, the tender has been cancelled with the approval of Deptt. of Power, Govt. of West Bengal.

RAMMAM HYDRO ELECTRIC PROJECT STAGE-III (90MW)

As per agreement executed between NTPC HYDRO LTD. and WBSEB on 28.05.05, this project has been handed over to M/S. NTPC HYDRO LTD. for its implementation on Build, Own, Operate and Maintain (BOOM) basis subject to establishment of final techno-commercial viability and clearance of the project as per agreement executed between NTPC HYDRO LTD and WBSEB.

LODHAMA HYDRO ELECTRIC PROJECT (2x1.5MW)

This project had been awarded to M/s. Nippon Power Ltd. on IPP basis. The work on intake and diversion weir, desilting basin and trough chamber, power channel, store building, office-cum-residential building have been completed and the balance work of the project is expected to be completed very shortly.

BALASON HYDRO ELECTRIC PROJECT (3x8MW)

This project had been awarded to M/s. Electro Steel Castings Ltd. as captive plant. The party completed the DPR with the upgradation of capacity from 12 MW to 24 MW. The DPR was examined and found to be in order. Target date for commissioning of the project is December 2007. Pre-construction survey work is completed, drawings are prepared and EIA final report is received. Order for detailed engineering was placed. The revised estimated cost of the project is Rs. 91.46 crores for 3x8MW. The power evacuation scheme from the project has been chalked out through our 132kV Sub-station at Kurseong.

NEORA HYDRO ELECTRIC PROJECT (3x1000KW)

This project had been awarded to M/s. Neora Hydro Ltd. For development as captive plant. The Developer has revised the station capacity from 3x800 KW to 3x1000 KW for optimum utilisation of water resources during the monsoon. The Developer stated that the revised project cost for 3x1000KW units including IDC but excluding Bank Guarantee is Rs. 25.08 crores. The Developer further stated that a cost of Rs. 16.04 crores has already been incurred till March, 2005. The civil works for Diversion Structure, Desilting Chamber and Flume from desilting to forebay have been completed to about 95%, the works for forebay and dormitory building have been about 90%, works for Power House and Tailrace Channel have been about 98%, Electro-Mechanical equipment and items for Transmission Line are ready for despatch. The project is expected to be completed shortly.

JALDHAKA HYDEL POWER STATION

Jaldhaka Hydel Power Station situated in the district of Darjeeling near Bhutan border started its operation with 2 x 9 MW generating units during the year 1967 at Stage-I, P/H. and 3rd Unit capacity 9 MW commissioned at Stage-I, P/H in the year 1972. Stage-II, P/H of JHP was commissioned with 2 x 4 MW generating unit in the year 1983. Since commissioning of the units in the year 1967, 1972 and 1983, Jaldhaka Hydel Project could not generate as per the design capacity i.e. 110 MU, in a year till 1998-1999, when it crossed that limit and created a record by generating 123.03 MU. JHP continued to maintain the pace and surpassed that record in the next year 2001-2002 by generating 137.26 MU. Jaldhaka Hydel Project created another milestone in the year 2003-2004 by generating 159.61 MU. In this year, Jaldhaka Hydel Project achieved the generation of 161 MU as against target of 134 MU set by CEA for the year which is 20.15% above the target surpassing all milestone generation since its commissioning and inspite of 73 days total plant shutdown for RMU LOT2 package. It is to be mentioned here that RMU & Augmentation work of JHP as sanctioned and commenced during the month of April 02 for renovation, modernization and up rating of Stage-I, P/H as well as augmentation of capacity of

both power stations by installation of one more 9 MW unit at Stage-I and one 4 MW unit at Stage-II, P/H when completed, will boost up generation to a great extent. DPR for RMU & A of Stage-I Power House has already been finalized and DPR of Augmentation of Stage-II Power House is also on final review. Work of LOT2 Package (Hydro mechanical works of RMU-JHP Stage-I) is in full progress. Tender for LOT3 (RMU of TG, Auxiliaries, IPH electricals) and LOT4 (IPH, OPH & S/Y Electricals) have been received and Evaluation of Tenders are in progress.

RAMMAM HYDEL PROJECT, STAGE-II

INTRODUCTION

Rammam Hydel Project, Stage-II (4 × 12.75 MW) is a run-of-the river scheme located about 65 KM North – West of Darjeeling town and approx. 120 KM from Siliguri. The D.P.R. of the scheme was made to utilize the discharge of both the river Rammam and its tributary Lodhama and it was approved by the Planning Commission, Govt. of India in the year 1977. Initially, due to fund constraints and other geological problems faced during pre-construction stage, the execution of the project has been completed in 1995 with the utilization of the available discharge of the river Rammam. Thereafter, in consideration of the commendable generation performance of Rammam HP., St-II, following its commissioning, the Board Authority has launched a programme to implement the “Lodhama Interconnection Scheme (LICS)” meant for supplementing the additional discharge of the river Lodhama to the hydro turbines towards augmentation of generation particularly in non-monsoon months. Following completion of the execution of LICS, Rammam Stage-II is expected to generate additional 50 - 60 MU of power annually with the same existing generating units.

PERFORMANCE

The performance of generation of the project since last 6 – 7 years is a matter of pride not only in the generating field of WBSEB, but also for the hydro power generation sector of the country. Since commissioning of the four units in 1995 - 96, Rammam has generated a total of 2,071.54 MU of power upto March, 2005 and has produced 240.50 MU against target of 210.00 MU set by Central Electricity Authority for the year 2004-05. For the last seven years, since 1998-99, it has always crossed the annual generation target fixed by the C.E.A. with an all time record generation of 245.31 MU in the year 1999 – 2000. The generation achieved in last year i.e. 2004-05 is the second highest generation since commissioning of the project. The glorious performance of Rammam has been repeatedly highlighted in the media and also by the erstwhile Union Minister of Power Late P.R. Kumaramangalam in the Parliament.

ACHIEVEMENT DURING THE YEAR 2005-06

- i) Lodhama Interconnection Scheme (LICS) : The work of Lodhama Interconnection Scheme (LICS) is presently in progress through two packages as follows :
 - a) Construction of diversion structure and desilting basin at Lodhama Intake location
 - b) Construction of Lodhama power tunnel and allied civil works

The scheme is being implemented with financial assistance from M/s Power Finance Corporation Ltd. (Govt. of India) vide Loan No. 5010-2001. Following the initial trouble faced regarding resentment of the local villagers, both the works are in progress and are scheduled to be completed within 2006. Excavation of two construction Adits for the tunnel of total length 952.00 mtr. have already been completed and out of 4.47 km. length of main tunnel, underground excavation of 1630 mtr. has been

completed. Excavation of desilting chamber of Lodhama Intake has already been completed and structural concrete works are in progress. Excavation of Lodhama Intake is in progress. The estimated cost of the project is Rs. 39.890 Crores including IDC.

- ii) Construction of Spillway : For the purpose of construction of permanent spillway to allow the spilling of over flow water from the existing Forebay, structural design work, assigned with Water Resources Development Training Centre, IIT, Roorkee has been completed and necessary construction drawings have also been received. The action regarding acquisition of land for the proposed construction has been taken and following the possession of the land, the execution of the job will be taken over.
- iii) Electro-Mechanical : In view of keeping the peak generation un-interrupted, during the monsoon months with the commissioning of four units (4 x 12.75 MW), planned maintenance has been undertaken during lean period months. Major overhauling of main inlet valves and nozzles of the machines have been made without the loss of generation as per availability of lean period discharge. It maybe noted that in spite of less discharge found from October to March, 2004 compared to the last ten years since commissioning, the generation achieved for 2004-05 is the second highest since commissioning of the project. This achievement was made possible through the total utilization of the discharge of the river Rammam for the lean period since April to June, 2004 in addition to utilisation of normal monsoon discharge.
- iv) Civil Maintenance : Maintenance of the approach road to the project and the internal project road including repair of causeways, drains, repair of pothole on the bituminous road, construction of retaining walls etc. covering 70 km. (approx.) has been undertaken during the year in phases.

Action has also been taken to restore the damaged road bench due to landslide near Panchayat jhora on Forebay-Rammam Intake road in phases. Short term measures through construction of crate walls, underground filter drains etc. have already been completed. Actions for permanent measures like application of shotcrete etc. would be taken over in due course. Additionally, plantation work through Forest Department, Govt. of West Bengal has also been taken over for restoration of the slide-affected zones.

Routine maintenance of project colonies, project structures including Rammam Intake, Desilting chamber, forebay, penstock had been undertaken. Leakage problem of the expansion joints in the penstock have been solved and rectified.

Painting of exterior surface of the twin penstock of the project has been taken over and 50% work has already been completed.

TEESTA CANAL FALL HYDEL PROJECT

INTRODUCTION

Teesta Canal Fall Hydel project is a low head Canal Fall Project of West Bengal State Electricity Board in the foothill of the Himalayas in West Bengal and the project has been framed to utilise a part of the discharge of Teesta River along with a part of the discharge of Mahananda river and ultimately diverted in Mahananda Main Canal for Power Generation in three Power Stations located at three different places e.g. LIEUSIPUKRI in Darjeeling District and HAPTIAGACH & BHOLAGACH in Uttar-Dinajpur District, in the down stream of the M.M.C. which is under the control of Teesta Barage Project Irrigation & Waterways Directorate, Government of West Bengal. Each of the three Power Stations is having capacity of 22.5 M.W. (3 units x 7.5 MW).

The original Project cost was Rs. 80.70 Crores in 1985. The revised project cost is Rs. 541.76 Crores as per last Plan Budget (2005-06). The project was funded by J.B.I.C (formerly O.E.C.F), JAPAN. A sum of 14.003 Million Yen (Approximately Rs. 360 Crores) was available as loan assistance from J.B.I.C., JAPAN against 2 (two) loan agreements viz. ID-P-40 and ID-P-72 upto a period ending on 31.3.2000. The total expenditure incurred upto 31.3.2005 is Rs. 539.97 crores.

Though the initial target of commissioning of the 1st unit was November, 1993 and the same for the 9th unit was March, 1995 but the 1st Unit was commissioned on 15.9.1997 and the 9th Unit on 13.10.1999. The overall delay in execution was mainly due to land availability problem and financial crisis and low productivity of local labours.

SCADA SYSTEM

The work for implementation of SCADA system at Power Station-I has been completed. All the three units of Power Station-I are now controlled from the Operators Consoles placed in the Control Room and the system is generating all the data of the entire system at the Power Station. The generation of Power Station-I could be optimized to a great extent after commissioning of SCADA. The SCADA for Power Station-II and Power Station-III are also under implementation in collaboration with the Department of Information Technology, Govt. of India. The work for installation of SCADA at Power Station-II & Power Station-III is now under progress and scheduled to be completed by July, 2005.

GENERATION OF POWER

At present release of water in Mahananda Main Canal is restricted by the Teesta Barrage Project, Irrigation & Waterways Directorate. Due to non-completion of down stream canal system (Dauk-Nagar Main Canal) of I&WD as well as the dilapidated condition of the Mahananda Main Canal, TCFHP is not getting even 50% of the discharge, estimated in DPR. The Dauk-Nagar Main Canal is completed upto 45 Km out of total 80 Km length. The balance canal could not be constructed by the I&WD due to critical problem of land acquisition since last 20 years. Hence an alternative escape channel for more release in MMC to augment the present power generation of TCFHP has been constructed by Teesta Barrage Project, I&WD to enhance the discharge in MMC upto 220 cumec.

The 4.5 Km long escape channel is at 22.45 Km change of Dauk-Nagar Main Canal with capacity to the tune of 70 cumecs with its out-fall at Doloncha river, the tributary of Nagar river which ultimately meets Mahananda River in Bihar. The construction of the said Escape Channel is almost complete except installation of the gates at Head and Tail end Structures. The repairing/restoration work of the MMC at the upstream of Power Station-I was completed in June 2004. The I&WD is supposed to release 220 cumecs of water in MMC after completion of the above work. The portion of the canal beyond Power Station-I up to Power Station-II (Haptiagach) needs immediate repairing/restoration for steady/adequate supply of water by TBP, I&WD.

Though the units are ready for generation of power, but WBSEB is in a position to generate only 20-22 MW on an average during last 3 months since Jan'05 due to restricted supply of water (70-80 cumecs) in the Mahananda Main Canal by the I&W Directorate.

A breach occurred in the right side embankment of MMC at upstream of Power Station-II on 17.3.2005 and the canal is at present under shutdown condition for restoration/repairing work of the same.

A chart showing the average availability of water in the MMC and generation during the last three years is furnished as follows :

Availability of Water (cumecs) in the MMC and Generation :

Month/ Year	2002-03		2003-04		2004-05	
	Discharge	Generation	Discharge	Generation	Discharge	Generation
April	100	12,198918	110	17,255985	Canal shutdown for maintenance of Canal (1 st December,03 to 31.3.04)	
May	100	07,660850	110	13,396040		
June	Canal shutdown for Annual Maintenance (15th May-30th June)		Canal shutdown for maintenance of Canal (22nd May to 5th August)		0-110	3,662135
July	110	12,671415			120	10,698040
August	110	15,309895	60-110	13,326600	130	16,480355
September	110	15,107380	110	15,397085	130	15,189071
October	110	17,109960	110	16,536370	140	18,085940
November	110	16,990415	110	17,109663	140-0	11,032355
December	110	18,485185	Canal shutdown for maintenance of Canal (1st December 03 to 31.3.04)		Canal shutdown for repairing work (15th Nov 04-10th Jan'05)	
January	110	16,924145			0-80	10,274180
February	110	14,701580			70-80	13,706255
March	110	16,875630			80	8,081560

In 2003-2004 the Teesta Barrage Project, I&WD has taken a total of 6½ months (in 2 stages, 2½ months during May-August, 03 & 4 months during Dec, 03-March, 04) canal shutdown for repairing and restoration work of the Mahananda Main Canal. In 2004-05 also the canal was on shutdown condition for 5 months (in 2 stages, nearly 3 months during April-June, 04 & nearly 2 months during Nov, 04-Jan, 04 and from 17.3.05).

Energy generated in T.C.F. Hydel Project during the last few years against the target fixed by the Central Electricity Authority are furnished below :

Sl. No.	Year	Generation (in MU)	Target fixed by CEA	Remarks
1.	2000-01	118.932943	60 M.U.	Generation achieved is almost double the target fixed by CEA
2.	2001-02	169,172630	122 M.U.	Generation achieved is 40% more than the target fixed by CEA
3.	2002-03	164,094643	172 M.U.	Target could not be achieved due to extension of shutdown by 15 days
4.	2003-04	93,021743	128 M.U.	Target could not be achieved due to 6½ months shutdown of canal by I&WD
5.	2004-05	107,209891	126 M.U.	Target could not be achieved due to 5 months shutdown of canal by I&WD

Power generated from all the three Power Stations of TCFHP since commencement of commercial operation till March, 2005 is 710.767855 Million Units.

GENERAL POINT

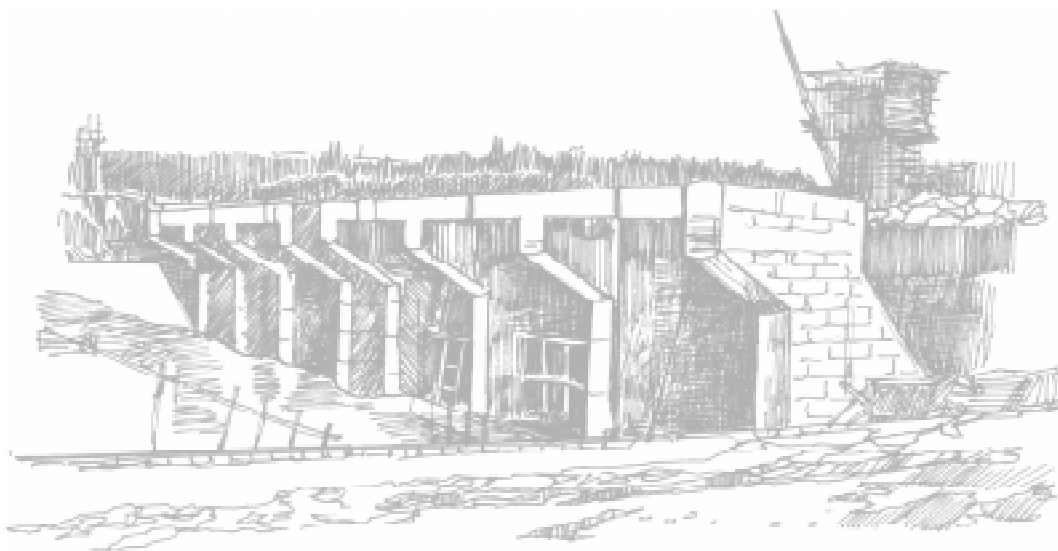
A considerable amount of Capital Expenditure incurred during construction period was under Suspense Account and not converted into Assets. During the last one year an amount around Rs. 26.96 Crores has been converted into Assets and as per available records, the WIP of around Rs. 1.53 crores is to be converted into Assets only.

A huge amount of materials was lying idle in 3 Stores of TCFHP at 3 different locations since completion of construction. Idle stock amounting to Rs. 2.58 crores approximately have been identified and circulated for use by other wings of the Board. Some quantities of steel materials had already been lifted by other units of Hydel Wing. Recently scrap materials amounting to Rs. 7.53 lakhs have been disposed of from this end in consultation with Material Controller, WBSEB. Three stores under TCFHP at different locations are being merged into one main store and two site stores and the final process of this merger will be completed soon.

A good number of old contracts which are not finally closed, had been identified and necessary steps have been taken towards closure of these contracts out of which a good number of cases have already been finally closed.

CONCLUSION

All the nine units are available for generation. But the main constraint towards achieving the generation target is non-availability of sufficient water in Mahananda Main Canal. The presence of floating and underwater trash and huge amount of sand and silt in canal water during monsoon when the release is more has been a recurring problem since commissioning. Some short term measures have already been taken to overcome this problem. However, long term measures are being contemplated. The non-availability of required quantum of water during different months of the years and frequent shutdown of canal on various reasons, the main constraint of generation could not be overcome. The Operation and Maintenance cost is insignificant in consideration of three Power Stations and the strength of employees and the total generation cost per unit will reduce if the flow and quantum of water in MMC improve.



PURULIA PUMPED STORAGE PROJECT

The State of West Bengal and the Eastern Region is having predominantly thermal power generation system with an insignificant capacity of hydro power. In the region the peak demand is suppressed due to shortage of peaking power whereas there is surplus energy during night. In the present system the Hydro - Thermal mix in West Bengal is 03:97 and that of Eastern Region is around 13:87 against a desired level of 40:60. The thermal predominant power generating region has to cater peak, off peak, fluctuating as well as base load with a serious effect on frequency. Frequency varies widely from 53 Hz to 47 Hz threatening the grid failure. The electricity driven motors and plants in industry suffers from damages and low efficiency of the machines. Also running of thermal power station at lower load for considerable period reduces the efficiency drastically and cause severe and quicker wear & tear of the plant. Also due to high variable operating cost, slow in load variation response, thermal facilities are not felt as good means to supply the peak demand. In order to achieve a better generation mix and more efficient electricity supply in the region, the implementation of Purulia Pumped Storage Project of capacity 900 MW (4 x 225 MW) has been taken up in Ajodhya hills in the district Purulia of West Bengal under P.S. Bagmundi.

The field investigation and preparation of Detailed Project Report (DPR) was completed by the West Bengal State Electricity Board with the loan assistance of Japan Bank for International Cooperation (JBIC), erstwhile Overseas Economic Cooperation Fund (OECF), Japan against Loan Agreement No. ID-P 44 dated 10 February 1988 and the same was concluded in February 1993. M/s. Water & Power Consultancy Services (WAPCOS) in association with Central Electricity Authority (CEA) and Central Water Commission (CWC) Govt. of India organisations were associated for the project as local Consultants and M/s. Electric Power Development Company (EPDC), Japan as foreign consultant. Joint venture-Purulia consisting of EPDC, Japan & WAPCOS, India has been appointed as the Main Consultants for Detailed Design & Construction Supervision and their work started from 01 January 1996. After expiry of the Original Contract on 30 June, 2003, a New Consultancy Contract was executed on 26 March, 2004 with retrospective effect from 01 July 2003.

The implementation of the project is now under progress with the financial assistance of Japan Bank for International Cooperation (JBIC), Japan with an original estimated value of Rs. 3188.9 crores covering the element of escalation, contingencies as I D C till commissioning of the project. A Memorandum of Discussion (MOD) was signed between the Board and Japan Bank for International Cooperation (JBIC) with the approval of Govt. of India on 27 May 1994. Out of the sanctioned estimated value of 1,07,150 million Japanese Yen (eqv. to Rs. 3188.9 crores), the JBIC has sanctioned 20,520 million Japanese Yen in first tranche and the Loan Agreement (No. ID - P. 98) was signed on 28 February 1995 with date of effectuation from 12 April 1995. The second tranche loan agreement (No.ID-P152) dated 31 March 2004 was effectuated on and from 18 June 2004 with sanctioned amount of 23,578 MY (Rs. 910.3 crores) and final date of disbursement as 18 June 2009. The presently anticipated estimated value of the Project is Rs. 2707.3 crores (70119 MY).

The Project in its present form involves construction of two Rockfill dams with Central clay core for Upper and Lower Reservoirs with a live storage of 13 million m³ each, twin water conductor through tunnels and shafts, an underground power house to accommodate four reversible pump turbine of 225 MW each, an underground transformer cavern with an access tunnel, 400 kV Gas Insulated Sub-Station linked through a cable tunnel. Two 400 kV double circuit transmission lines connecting Durgapur and Arambag with the project will also be developed to transmit and receive bulk power.

At present the project Head Quarters headed by a Chief Engineer as Project Manager is functioning at Vidyut Bhavan for proper implementation of the project. He co-ordinates with the JBIC in successful execution of Loan Agreement, Consultants for Main Project activities and township Planning & Engineering Services for development of infrastructure, detailed design, tendering, evaluation of tenders etc. He also co-ordinates with the authorities for Land acquisition, environmental monitoring and other essential activities. Placement of order for major works and monitoring of the progress is also done by the head quarters. For execution of works properly a set up comprising of Engineers from different disciplines and Officers/staff under the leadership of the Superintending Engineer-in-charge are posted at site with reinforcement of additional manpower being provided by M/s WAPCOS to fulfil our requirements as per the scope of the New Consultancy Contract.

373.16 ha of forest land for project activities was diverted in two spells in 1997 & 2002. Stage-II clearance for diversion of remaining 9.07 ha of forest land needed to construct Upper Dam was also accorded by the Ministry of Environment & Forests (MOEF) in second spell & necessary diversion of land was made on 07 April 2003. Catchment Area Treatment (CAT) and compensatory afforestation by Forest department for the first phase of land was completed and second phase of works are in progress including other environmental mitigatory measures. 35.44 acres of private land and 2.50 acres of vested land in Mouza-Barriya, PS. Bagmundi were required for Clay Core Quarry of Upper Dam. For transfer of 2.50 acres of vested land, necessary clearance is under process by the local authority. Possession of 35.44 acres of private land has already been received. A monitoring cell is functional for regular surveillance of the work suggested by MOEF, Government of India.

As per programme, with the assistance of Township Consultant, the infrastructure work like Colony (302 units of quarters), Project Road, Administrative Building Complex, etc. are completed and construction of utility buildings comprising of School Building, Health Centre, Recreation Club, Market, Fire Station etc. has already been taken up. Construction of 33 kV & 11 kV Transmission line and 33/11 kV Sub-Station for supplying Construction Power is completed and operational. The construction work of 132 kV lines from Purulia to Bagmundi is almost complete and the same for 132 kV Sub-Station at Bagmundi & Extension works at Purulia 132 kV Sub-Station is likely to be completed soon whose need would surface during peak construction period in FY 2005-06. Development of a Railway siding for the Project at Barabhum Railway Station is completed and has become operational on & from 25 January 2005 after Traffic Notification having been issued by the S.E. Railway.

Letter of Awards placed for 400 kV double circuit Transmission Lines connecting Arambag and Durgapur (Lot-2.1 & Lot-2.2) on 11 February 2004 to M/S KEC International Limited & M/S Kalpataru-Jyoti Consortium respectively. Engineering activities like line survey, drawing/design/testing of towers, and site works like tower foundation casting, materials supply, tower erection etc. are going on.

In regard to Lot-3 : 400 kV Extension Bays at Durgapur & Arambag Sub-Station, no objection was received from JBIC on 10 November 2004 to begin contract negotiation with the prospective and responsive bidders. Letter of Award was placed to M/S BHEL, India on 22 December 2004. Contract agreement has been signed on 08 March 2005.

Letter of Award for Main Civil Works (Lot-4) was placed to M/S Taisei Corporation, Japan on 27 June 2001 and preliminary works under this lot had commenced on 01 August 2001. The key activities stood commenced on 12 March 2002 after getting forest clearance and progressing as per schedule.

Letter of Award for Hydro-Mechanical Equipment (Lot-5) was placed on M/S Mitsubishi Heavy Industries Limited, Japan on 30 March 2001. Detailed engineering works including supply of materials as well as erection/fabrication activities at site/works under this lot is in progress.

Letter of Award for Electro-Mechanical Equipment i.e. Pump-Turbine, Generator-motor & other Power House Auxiliaries (Lot-6, Sub Lot6.1) was placed on M/S Mitsui & Company Limited, Japan on 28 July 2000. Engineering activities including model test, submission & correction of drawings and site activities like delivery of materials, erection of equipment under this lot had already started.

Letter of Award for 400 kV Gas Insulated Sub-Station & Generator Transformer (Lot-6, Sub Lot-6.2) was placed on M/S Marubeni Corporation, Japan on 18 June 2003. Engineering activities (submission & correction of drawings) and site activities like foundation / superstructure works of the GIS Building are going on.

Letter of Award for 400 kV XLPE Power Cable and accessories (Lot-6, Sub Lot-6.3) was placed on a consortium with M/S Marubeni Corporation, Japan as the lead partner on 06 August, 2004. The Contract Agreement signed on 27 August 2004. JBIC concurrence received on 04 November 2004 and Kick-Off meeting was held from 23 to 24 November 2004. Design and engineering works are in progress.

A Memorandum of Understanding (MOU) was signed between Govt. of West Bengal and National Hydroelectric Power Corporation Ltd. (NHPC) on 25 May 2001 for formation of a Joint Venture Company (JVC) in executing and operation of the project with the share holding of 67% for NHPC and 33% for Govt. of West Bengal. The Company will also explore possibility of setting up other Pumped Storage Scheme in a time bound manner.

The process of registration of the JVC is in progress. The Planning Commission has reportedly accorded 'in principle' approval to the proposal subject to some conditions.

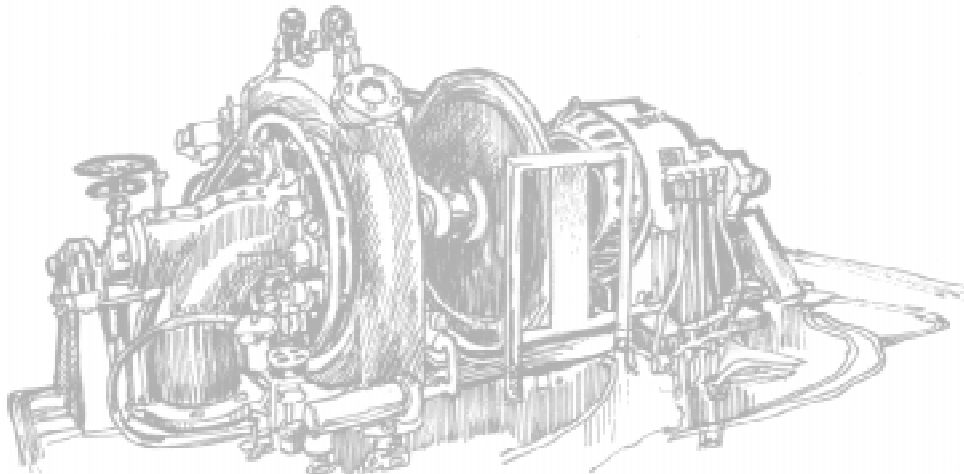
Expected dates of commissioning of the Units are *31 March 2007* (1st Unit), *30 June 2007* (2nd Unit), *30 September 2007* (3rd Unit) and *31 December 2007* (4th Unit) as per outcome of the 3rd co-ordination meeting held from 22 April to 28 April 2004 among all the Contractors & the Consultants with the Project Authority.

Cumulative expenditure made so far upto March 2005 for the Project is Rs. 1046.56 crores. Budget Estimate (BE) of Rs. 338.10 crores was originally allocated for the financial year of 2004-05. As per Revised Annual Plan of the DOP, GOWB the same has been revised to (RE) the tune of Rs. 488.10 crores and out of that an amount of Rs. 371.60 crores has been utilised till 31 March 2005.

There has been a substantial headway in regard to declaration of the Project as a Mega Project. In pursuance of Govt. of India's Policy/decision in the year 1999, Inter-State Thermal Power Projects of capacity 1000 MW or more and Inter-State Hydel Project of capacity 500 MW or more are eligible to Mega Power Status with consequential benefit of enjoying substantial Duty Concessions. PPSP though satisfies in terms of installed capacity, the hindrance being this Project is not an Inter-State Hydel one. The Union Power Secretary, GOI has requested the Secretary (Revenue), Ministry of Finance mentioning that this Project is being implemented with Japan's ODA involving huge investment with an aim that this would meet the demand of power during peak hours. It has been mentioned that such Power Stations should be encouraged, but Pumped Storage Projects have difficulty in competing with other stations on account of higher tariffs as their operations involved pumping of water from lower to higher reservoirs. Therefore, it has been advocated that cost of power from such project should be reduced through reduction in capital cost. The Department of Revenue has been requested to consider the proposal and agree to the exemption of Customs Duty in respect of equipment import of this Project as a special case. The Hon'ble Chief Minister of West Bengal has also written a D.O. letter on 21 March 2005 to the Hon'ble Prime Minister of India seeking his intervention for granting a Mega Power Project Status to this Project with consequential complete waiver of Customs Duty.

TURGA PUMPED STORAGE PROJECT

With a view to implementing another Pumped Storage Project, West Bengal State Electricity Board, with the financial grant of French Government as envisaged by the Indo - French Protocol signed on 30 January 1996, took up the work on preparation of Pre-feasibility report of Turga Pumped Storage Scheme by M/s Electricite de France (EDF), France and was completed in April, 1999. For obtaining financial assistance on preparation of Detailed Project Report (DPR), several proposals were placed to different organisations through Government of India but till now there could be no further headway on the same. In the mean time a MOU was signed between National Hydroelectric Power Corporation Ltd. and Government of West Bengal with the intention of forming a Joint Venture Company which would take up the aforesaid activity in future.



WEST BENGAL TRANSMISSION SYSTEM PROJECT

The W.B. Transmission System Project, headed by an officer in the rank of Chief Engineer, provides competent power transmission network, expands existing sub-stations and constructs new sub-stations in order to enhance reliability of transmission system in response to growing power demand in the state of West Bengal. Further, this will reduce transmission losses and voltage fluctuations that would cause the increase in generation capacity and load demand in coming years and will establish efficient inter-state power transmission grid in Eastern India. In addition to this a microwave communication system under the project for proper communications among different sub-stations will be commenced.

The project with the loan assistance from Japan Bank for International Co-operation (JBIC) is heading towards completion within 2005. This already added 23 transmission lines comprising of 22 ckm of 400 kV line, 83 ckm of 220 kV line and 1087 ckm of 132 kV line and 31 sub-stations comprising of 630 MVA (400/220 kV), 2080 MVA (220/132 kV), 1090 MVA (132/33 kV) and 189 MVA (33/11 kV) transformer capacity in the system of WBSEB. All transmission lines and sub-stations are commissioned.

In microwave communication package, voice and data communication link will be established between 10 stations and work is under progress.

Besides the JBIC funded work, there are projects with the loan assistance from PFC, REC & RIDF (NABARD).

PART - I : ACHIEVEMENT DURING APRIL 2004 TO MARCH 2005

I) SUB-STATIONS :

Name of sub-station	Capacity added	Month of Commissioning
Arambag 400 kV	639 MVA	February, 2005
New Haldia 220 kV	383 MVA	December, 2004
Gangarampur 132 kV	37.6 MVA	March, 2005

PART - II : ONGOING SCHEMES

I) SUB-STATIONS :

Sl. No.	Name of sub-station	Capacity to be added
400 kV		
1.	Durgapur 400/220 kV	630 MVA
132 kV		
2.	Birsingha 132/33 kV	52.6 MVA
3.	Coochbehar 132/33/11 kV	40 MVA
4.	Mohishpota 132/33/11 kV	75.6 MVA
5.	Belmuri 132/33/11 kV	75.6 MVA
6.	Barjora 132/33/11 kV	94.1 MVA
7.	Amtola 132/33/11 kV	75.6 MVA
8.	Bishnupur 220/132 kV	320 MVA
9.	Chalsa 132/66 kV	63 MVA
10.	Contai 132/33/11 kV	75.6 MVA
11.	Bishnupur (WBIIDC) 132/33/11 kV	75.6 MVA
12.	New Town 132/33/11 kV	120 MVA
13.	Subhasgram 220/132/33 kV	383 MVA
14.	Lalgola 132/33/11 kV	75.6 MVA
15.	Raghunathpur 132/33/11 kV	75.6 MVA
16.	Simlapal 132/33/11 kV	75.6 MVA
17.	Haldia New Industrial Zone 132/33 kV	75.6 MVA
18.	Mahachanda 132/33/11 kV	75.6 MVA
19.	Jhargram 132/33/11 kV	75.6 MVA

II) LINE / FEEDER BAY EXTENSION SUB – STATIONS :

Sl. No.	Name of sub-station	Name of Feeder / Line
1.	Arambagh 400 kV	Arambagh – PPSP 400 kV D/C
2.	Durgapur 400 kV	Durgapur – PPSP 400 kV D/C
3.	Jeerat 400 kV	Mohishpota – Jeerat 132 kV D/C
4.	Krishnanagar 220 kV	Krishnanagar – Ranaghat 132 kV D/C
5.	Domjur 220 kV	Domjur – Chanditala 132 kV D/C
6.	New Haldia 220 kV	New Haldia – Egra 132 kV D/C
7.	Midnapore 220 kV	Midnapore – Jhargram 132 kV D/C
8.	Birpara 132 kV	Birpara – Pundibari 132 kV S/C line
9.	Alipurduar 132 kV	Alipurduar – Coochbehar 132 kV
10.	Berhampore 132 kV	Krishnanagar – Berhampore 132 kV D/C
11.	Debagram 132 kV	Krishnanagar – Berhampore 132 kV D/C
12.	Chanditala 132 kV	Domjur – Chanditala 132 kV D/C
13.	Ranaghat 132 kV	Krishnanagar – Ranaghat 132 kV D/C
14.	Bolpur 132 kV	Durgapur – Sainthia 132 kV
15.	Malda 132 kV	Malda – Balurghat 132 kV S/C
16.	Balurghat 132 kV	Malda – Balurghat 132 kV S/C
17.	Egra 132 kV	New Haldia – Egra 132 kV D/C
18.	Raghunathganj 132 kV	Lalgola – Raghunathganj 132 kV D/C
19.	Bankura 132 kV	Bankura – Raghunathpur 132 kV D/C
20.	Jhargram 132 kV	Midnapore – Jhargram 132 kV D/C

III) TRANSMISSION LINE :

Sl. No.	Name of Transmission Line
400 kV	
1.	PPSP – Arambagh 400 kV D/C Transmission line
2.	PPSP – Durgapur 400 kV D/C Transmission line
220 kV	
1.	S/C LILO of STPS – Arambagh 220 kV D/C at Bishnupur
2.	S/C LILO of Jeerat – Laxmikantapur 220 kV D/C at Subhasgram
3.	NJP – Teesta LD-III 220 kV S/C
4.	NJP – Teesta LD-IV 220 kV D/C
5.	Teesta LD-III – LD-IV 220 kV S/C
132 kV	
1.	Birpara – Pundibari 132 kV S/C line
2.	Alipurduar – Coochbehar 132 kV S/C line
3.	Mohishpota – Jeerat 132 kV D/C
4.	S/C LILO of Adisaptagram – Tarakeswar 132 kV D/C at Belmuri

5.	D/C LILO of Durgapur – Bishnupur 132 kV D/C at Barjora
6.	D/C LILO of Debagram – Berhampore 132 kV D/C at Amtola
7.	Krishnanagar – Berhampore 132 kV D/C via Debagram
8.	Domjur – Chanditala 132 kV D/C
9.	Krishnanagar – Ranaghat 132 kV D/C
10.	LILO of Durgapur – Sainthia 132 kV S/C at Bolpur
11.	Malda – Balurghat 132 kV S/C
12.	LILO of NJP – Moinaguri 132 kV S/C
13.	New Haldia – Egra 132 kV D/C
14.	S/C LILO of New Haldia – Egra 132 kV D/C at Contai
15.	Bishnupur – Bishnupur (WBIIDC) 132 kV D/C
16.	S/C LILO of Asokenagar – CLC Kasba 132 kV D/C at New Town
17.	S/C LILO of Kasba – Joka 132 kV D/C at Subhasgram
18.	Lalgola – Raghunathganj 132 kV D/C
19.	Bankura – Raghunathpur 132 kV D/C
20.	Simlapal – Bishnupur (WBIIDC) 132 kV D/C
21.	S/C LILO of Tamluk – Haldia 132 kV S/C line at Haldia NIJ
22.	D/C LILO of Satgachia – Mankar 132 kV D/C at Mahachanda
23.	Midnapore – Jhargram 132 kV D/C

IV) MICROWAVE COMMUNICATION PACKAGE :

Sl. No.	Name of Station	Type of MW Station
1.	Vidyut Bhavan	Drop Repeater
2.	Arambag 400 kV S/s	Drop Repeater
3.	Jeerat 400 kV S/s	Drop Repeater
4.	Bidhnnagar (Durgapur) 220 kV S/s	Outstation
5.	KTPS	Drop Repeater
6.	BTPS	Outstation
7.	Kasba 220 kV S/s	Outstation
8.	Howrah CLD	Central Station
9.	Galsi 33 kV S/s	Through Repeater
10.	Sadarghat 33 kV S/s	Through Repeater

V) MISCELLANEOUS

- i) Strengthening of EHV Transmission System by augmentation of Transformer Capacity of 4 (four) nos. JBIC funded EHV substations viz. Domjur 220KV, Chanditala 132 kV, Uluberia 132 kV and Tarakeswar 132 kV.
- ii) Perspective plan for implementation of total Quality Management in WBSEB.
- iii) Trouble Call Management Centres at Corporate, Zonal, Circle & Divisional.
- iv) Launching Communication Package for Public Relations programme.

TRANSMISSION (O&M) WING

This department is looked after by an officer in the rank of Chief Engineer. Besides, Dy.Chief Engineer, Transmission-I and Dy.Chief Engineer, Transmission-II look after North and South Bengal respectively. There are 9 (nine) Transmission Circles 1 (one) Trans, Constn. Division and 14 (fourteen) Trans. (O&M) Divisions operating under this wing throughout the State.

1. EHV LINES IN OPERATION DURING 2004-05

400 kV	220 kV	132 kV	66 kV	Total
754.843 CKM	2304.664 CKM	4753.718 CKM	527.700 CKM	8340.925 CKM

2. No. of EHV S/Stations and capacity during 2004-05

Voltage Class	No. of S/Station	Capacity in MVA
400 kV	2	2154.5
220 kV	11	3640.0
132 kV	54	5200.6
66 kV	11	0261.0
Total	78	11256.1

ACHIEVEMENT DURING APRIL 2004 TO MARCH 2005

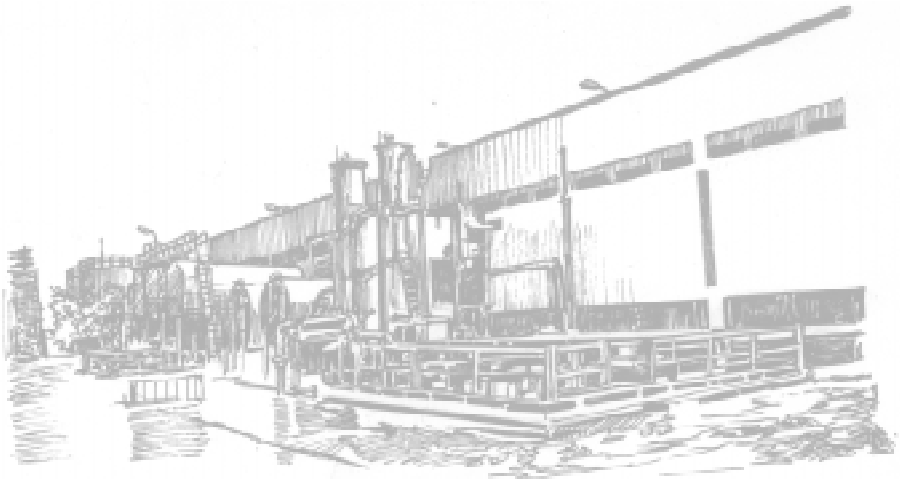
A AUGMENTATION / ADDITION / ALTERATION OF POWER TRANSFORMERS

Sl. No.	Name of the S/Station	Voltage Ratio in kV	Capacity (MVA) increased		Capacity Added (MVA)	Date of commissioning
			From	To		
1	2	3	4	5	6	7
1.	Siliguri	33/11 kV	Nil	4 x 6.3 MVA	25.2 MVA	06.04.2004 & 24.04.2004
2.	Chalsa	66/11 kV	2 x 5 MVA	3 x 5 MVA	5 MVA	24.04.2004
3.	Krishnanagar	33/11 kV	1 x 6.3 MVA	2 x 6.3 MVA	6.3 MVA	07.06.2004
4.	Egra	33/11 kV	2 x 6.3 MVA	2 x 6.3 MVA + 1 x 5 MVA	5 MVA	22.07.2004
5.	Dharampur	132/33 kV	1 x 31.5 + 1 x 30 MVA	1 x 31.5 + 1 x 50 MVA	20 MVA	01.09.2004
6.	Howrah	132/25 kV	2 x 12.5 MVA	1 x 12.5 MVA + 1 x 20 MVA	7.5 MVA	23.09.2004
7.	Kolkata Leather Complex	132/33 kV	2 x 20 MVA	1 x 20 MVA + 1 x 31.5 MVA	11.5 MVA	15.12.2004
8.	Birpara	132/66 kV	2x20+16MVA	3 x 20 MVA	4 MVA	07.01.2005
9.	Bolpur	132/66 kV	2 x 20 + 1x12.5MVA	1 x 20 + 1 x 12.5 + 1 x 50 MVA	30 MVA	18.01.2005

Sl. No.	Name of the S/Station	Voltage Ratio in kV	Capacity (MVA) increased		Capacity Added (MVA)	Date of commissioning
			From	To		
1	2	3	4	5	6	7
10.	Purulia	132/25 kV	1 x 10 + 1 x 12.5 MVA	2 x 12.5 MVA	2 MVA	10.02.2005
11.	Jangipara	33/11 kV	1 x 6.3 MVA	2 x 6.3 MVA	6.3 MVA	21.02.2005
12.	Howrah	132/25 kV	1 x 12.5 + 1 x 20 MVA	2 x 20 MVA	7.5 MVA	23.02.2005
13.	Sainthia	132/33 kV	2 x 50 MVA	1 x 50 + 1 x 20 MVA	7.5 MVA	04.03.2005
14.	Bishnupur	132/33 kV	1 x 50 + 1 x 31.5 MVA	2 x 50 MVA	18.5 MVA	20.03.2005
15.	Satgachia	132/33 kV	1 x 50 + 1 x 31.5 MVA	2 x 50 MVA	18.5 MVA	28.03.2005

B

TRANSFORMER CLASS	MVA
i) 132 / 33 kV	98.5
ii) 132 / 25 kV	17
iii) 132 / 66 kV	4
iv) 66 / 11 kV	5
v) 33 / 11 kV	42.8
Total	167.3



C

**NEW SUB-STATIONS COMMISSIONED
UNDER JBIC SCHEME BY THE TRANSMISSION PROJECT WING AND HANDED OVER TO
TRANSMISSION WING DURING APRIL'04 TO MARCH'05**

Sl. No.	Name of the Sub-Station	Voltage Ratio in kV	Capacity (MVA) increased		Capacity Added in MVA	Date of Commissioning
			From	To		
1.	Haldia 220 KV Sub-Stn.	220 / 132 kV	-	1 x 160 MVA	160	07.06.04
			-	1 x 160 MVA	160	14.12.04
		132 / 33 kV	-	1 x 31.5 MVA	31.5	08.06.04
2.	Domjur	220 / 132 kV	1 x 160 MVA	2 x 160 MVA	160	19.07.04
		132 / 33 kV	1 x 31.5 MVA	2 x 31.5 MVA	31.5	13.04.04
3.	Jangipara	132 / 33 kV	-	1 x 31.5 MVA	31.5	18.08.04
				1 x 31.5 MVA	31.5	24.12.04
4.	Jangipara	33 / 11 kV	-	1 x 6.3 MVA	6.3	18.08.04
		33 / 11 kV	1 x 6.3 MVA	2 x 6.3 MVA	6.3	21.02.05
		33 / 11 kV	-	1 x 6.3 MVA	6.3	18.08.04
5.	Laksmikantapur 220 kV	220 / 132 kV	1 x 160 MVA	2 x 160 MVA	160	05.01.05
6.	Haldia 220 kV	132 / 33 kV	1 x 31.5 MVA	2 x 31.5 MVA	31.5	19.01.05
7.	Gangarampur	132 / 33 kV	-	2 x 12.5 MVA	25	28.02.05
		33 / 11 kV	-	1 x 6.3 MVA	6.3	28.02.05
Total capacity addition :						
	i)	220 / 132 kV		640 MVA		
	ii)	132 / 33 kV		182.5 MVA		
	iii)	33 / 11 kV		18.9 MVA		

D

NEW TRANSMISSION LINE CONSTRUCTED BY TRANS. (PROJECT) AND TAKEN OVER BY TRANS. (O&M) WING.

Line			
	From	To	Route Length
1. 132 kV D/C Tr. Line	Domjur 220/132 kV S/Stn.	Jangipara 132 kV S/Stn.	17 Km.
2. LILO of Raiganj-Balurghat 132 kV line at Gangarampur 132/33 kV new S. Stn.	-	-	0.5 Km.
Total Route Length :			17.5 Km.

E

REPLACEMENT OF CIRCUIT BREAKER

Sl. No.	Name of Sub-Station	Voltage Class in kV	Description	Date of commissioning
1.	Midnapore	33	Replacement of 33 kV 'BHEL' make MOCB i.r.o. Salboni 33 kV Feeder by a new 36 kV SF ₆ Breaker at Midnapore 220 kV Sub-Station.	13.05.04
2.	Laksmikantapur	132	Replacement of one old 33 kV 'BHEL' make MOCB of Behula 33 kV Feeder by a new 33 kV 'CGL'-make breaker at Laksmikantapur 220/132 kV Sub-station.	17.05.04
3.	Midnapore	132	Replacement of one old 'BHEL'-make 132 kV MOCB by one 132 kV new 'CGL' -make Circuit Breaker i.r.o. C. K. Road, Midnapore 132 kV Feeder Bay.	18.05.04
4.	Midnapore	132	Replacement of one old 'BHEL'-make 132 kV MOCB of 132 kV Bus Coupler Bay by a new 132 kV 'CGL'- make MOCB at Midnapore 220 kV Sub-Station.	18.05.04
5.	Hizlee	33	Replacement of one old 33 kV MOCB of 31.5 MVA Transformer by a new 33 kV 'CGL' -make C.B. at Hizlee 132 kV Sub-Station.	27.05.04
6.	Howrah	220	Replacement of one 220 kV old breaker of Howrah-KTPP Feeder Bay by a new CGL-make 220 kV SF ₆ breaker.	29.05.04
7.	Dhulian	33	Installation of 33 kV Bus Section Breaker at Dhulian 132 kV S/Stn.	05.07.04
8.	Egra	132	Installation of one 132 kV Breaker i.r.o. incoming Hizlee-Egra Feeder at Egra 132 kV S/Stn.	22.07.04
9.	Kasba	132	Replacement of one old 132 kV ABCB of CESC Feeder Bay by a new 132 kV 'CGL' -make SF ₆ at Breaker at Kasba 220 kV S/Stn.	25.07.04
10.	Rishra	132	Replacement of one 132 kV 'jyoti' -make MOCB by 132 kV SF ₆ Breaker in Bandel-Rishra Ckt.I Bay at Rishra 220/132 kV Sub-Station.	27.08.04

Sl. No.	Name of Sub-Station	Voltage Class in kV	Description	Date of commissioning
11.	Kasba	132	Replacement of 2 HBB-make old ABCB of Kasba-Princep St. Ckt.I & II by new 132 kV SF ₆ Breaker at Kasba 220 kV/132 kV S/Station.	27.08.04 and 16.10.04
12.	Rishra	33	Replacement of 1 old 33 kV MOCB of Siddartha Steel Feeder by a new CGL-make SF ₆ Breaker at Rishra 220/132/33 kV S/Stn.	21.09.04
13.	Dharampur	132	Replacement of one old 132 kV MOCB of Dharampur-Kalyani 132 kV Feeder Bay by a new CGL-make SF ₆ Breaker at Dharampur 132 kV S/Stn.	09.10.04

F

FEEDER BAY COMMISSIONED DURING APRIL'04 TO MARCH'05

Sl. No.	Name of the Sub-Station	Description of Work	Commissioning Date
1.	Dhulian 132/33 kV	33 kV Feeder Bay for Aurangbad 33 kV S/Stn.	05.07.04
2.	Egra 132/33 kV	Installation of 132 kV transfer bay and bus coupler bay.	22.07.04
3.	Barasat 132/33 kV	33 kV Feeder Bay for Arbelia 33 kV S/S.	22.07.04
4.	C.K. Road 132/33 kV	33 kV Maintenance Bay and Bus Section Isolator.	11.08.04
5.	Kolaghat 132/33 kV	33 kV Maintenance Bus and Bay.	16.10.04
6.	Bankura 132/33 kV	33 kV Feeder bay for Nandanpur 33 kV S/Stn.	16.10.04
7.	Falta 132/33 kV	33 kV Feeder bay for Deulberia 33 kV S/Stn.	09.08.04
8.	Raghunathganj S/Stn.	Commissioning of 1 no. 33 kV Feeder bay for power supply to Sagardighi Thermal Power Project of WBPDC	05.01.05
9.	C. K. Road S/Stn.	Commissioning of 2 nos. 132 kV Incoming Feeder bay for Bishnupur - C. K. Road and Midnapore - C. K. Road.	25.01.05
10.	Purulia S/Stn.	Commissioning of 33 kV Grid-I and Grid-II Feeder bays for Purulia.	11.02.05
11.	Raghunathganj S/Stn.	Commissioning of 1 no. 33 kV Feeder bay for Sagardighi Thermal Power Project.	09.02.05
12.	Krishnanagar S/Stn.	Commissioning of 33 kV Feeder bay for Badkulla 33 kV S/Stn.	22.02.05
13.	Arambag 400 kV S/Stn.	Energisation of 400 kV B/C bay along with 400 M.B-II by Tr. Project.	02.03.05

POWER SUPPLY TO BULK CONSUMERS

Sl. No.	Name of Feeding S/Station	Name of the Consumer	Supply Voltage	Date of Commissioning
1.	Bishnupur 132/33 kV S/S	Gayatri Minerals	132 kV	19.06.04
2.	Bishnupur 132/33 kV S/S	Modern India Concast	132 kV	20.06.04
3.	Bankura 132 kV S/S	Ceneast Bengal Industries Ltd.	132 kV	14.01.05

H

MISCELLANEOUS WORK DONE DURING APRIL'04 TO MARCH'05

Sl. No.	Name of S/Station	Description of work	Commissioning date
1.	Dalkhola 132 kV	Conversion of 132 kV Reactor Bay to 132 kV Feeder bay against TCF Ckt.III.	08.04.04
2.	Haldia 220/132/33 kV	Construction of a 220 kV Bus at Haldia.	29.05.04
3.	Haldia 220/132/33 kV	Construction of a 33 kV Bus at Haldia S/Stn.	08.06.04
4.	Midnapore 132 kV	Replacement of a burnt out 100 kVA Station Service -cum Earthing Transformer by a new one at Midnapore 132 kV S/Stn.	16.06.04
5.	Katwa 132/33 kV	Extension of existing 33 kV main bus and inter connection with 33 kV group control bus bay by 33 kV XLPE cable.	24.06.04
6.	Egra 132/33 kV	Installation and commissioning of 3 nos. 11 kV Switchgear.	22.07.04
7.	Haldia 132 kV	Construction of one VHF tower and setting up of communication equipment at Haldia 132 kV S/Stn.	01.08.04
8.	Bishnupur 132 kV	Replacement of old A.C. panel by a new one.	02.08.04
9.	Jeerat 400 kV	P.L.C.C. communication link between Jeerat & Laksmikantapur 220 kV S/Stn.	04.08.04

Sl. No.	Name of S/Station	Description of work	Commissioning date
10.	Gokarna 220/132/33 kV	Replacement of one damaged 33 kV P.T. ('Y'-ph.) by a new one.	23.09.04
11.	Bolpur 132 kV S/Stn.	Installation & commissioning of a new 100 KVA 33/04 kV Station Service Transformer for power supply at Staff Colony at Bolpur S/Stn.	03.12.04
12.	Durgapur 220 kV S/S.	Change of old 200 AH Batteries & Battery Charger at Durgapur 220 kV S/S. (Durgapur 220 kV S/S) by 230 volts 400 AH. Battery & Battery Charger.	08.03.05
13.	C. K. road 132 kV/S/S.	Installation of 33 kV maintenance bay and bus section Isolator at C. K. Road S/S.	10.03.05
14.	Siliguri 66 kV S/S.	Conversion of siliguri 66/11 kV S/Stn. to 33/11 kV S/Stn.	20.03.05
15.	Purulia 132 kV S/Stn.	Augmentation of 132 kV Main Bus for ACSR 'DEER' to 'MOOSE' and construction of a spare bay at Purulia 132 kV S/Stn.	14.01.05



ANNEXURE - II : ON-GOING TRANSMISSION WORK

A TRANSMISSION LINES :

i) 220 kV Transmission Line

- a) Jeerat-Rishra 220 kV D/C line (R/L. : 70.0 KM).
- b) Satgachia-Krishnanagar D/C line (R/L. : 47 KM).
- c) LILO of STPS - Durgapur Circuit-I at Asansol (R/L. : 40 KM).

ii) 132 kV Transmission Line

- a) Construction of Double Circuit line between Haldia 132 kV and Haldia 220 kV S/Stn. (R.L. - 2 KM).
- b) Change of conductor from 'ACSR' Panther to 'AAAC' Panther in BTPS-Satgachia 132 kV D/C line (R.L. - 53 KM).
- c) Change of conductor from 'ACSR' Panther to 'AAAC' Panther in Bidhannagar-Satgachia 132 kV D/C line (R.L. - 170 KM).
- d) Change of conductor from 'ACSR' Panther to 'AAAC' Panther in Ckt.II of BTPS - Dharampur 132 kV D/C line (R.L. - 21 KM).
- e) Change of conductor from 'ACSR' Panther to 'AAAC' Panther in Gokarna - Malda 132 kV D/C line (R.L. - 150 KM).
- f) Change of conductor from 'ACSR' Panther to 'AAAC' Panther in Jeerat Asokenagar 132 kV D/C line (R.L. - 14 KM).
- g) Change of conductor from 'ACSR' Panther to 'AAAC' Panther in Asokenagar - SaltLake - Kasba D/C line (R.L. - 69 KM).
- h) Change of conductor from 'ACSR' Panther to 'AAAC' Panther in Adisaptagram - Belmuri 132 kV D/C line (R.L. - 36 KM with replacement of towers).
- i) Replacement of old power conductor and earth wire by new 'ACSR' Panther Conductor and GSS earthwire i.r.o. Howrah-Liluah 132 kV Ckt. I & II.

iii) 66 kV Transmission Line

- a) Replacement of old 'ACSR' Wolf Conductor by new one in Jaldhaka-Chalsa 66 kV D/C line (R.L. : 40 KM).

B. TRANSMISSION SUB-STATION :

i) 66 kV

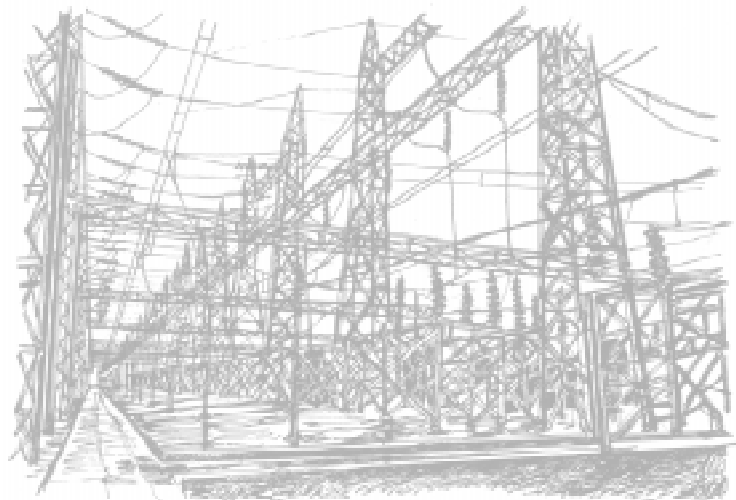
- a) Construction of a new 66/11 kV S/Station at Nagrakata.
- b) Installation of 3rd 6.3 MVA, 66/11 kV transformer at Kalimpong S/Station.
- c) Bulk power supply at 66 kV to Binnaguri Cantonment from Banerhat S/Stn.
- d) Conversion of 66/11 kV S/Stn. to 33/11 kV S/Stn. at Krishnanagar S/Stn.
- e) Conversion of 66/11 kV S/Stn. to 33/11 kV S/Stn. at Santipur S/Stn.

ii) 132 kV

- a) Supply of traction power to Eastern Railways at 132 kV at Barasat.
- b) Installation of 2 nos. 6.3 MVA, 33/11 kV transformers at Falta S/Station.
- c) Construction of one 132 kV line bay for NBU-Siliguri 132 kV line at NBU S/Station.
- d) Construction of one 132 kV transfer bus bay at C. K. Road S/Station.
- e) Augmentation of transformer capacity from 2 x 20 MVA to 3 x 20 MVA, 132/33 kV at Debagram S/Station.
- f) Construction of 33 kV line bay at Debagram S/Station for Radhanagar 33 kV S/Station.
- g) Construction of 33 kV Bhaluka feeders bay at Krishnanagar S/Station.
- h) Construction of 33 kV Gangajoara feeder bay at CLC S/Station.
- i) Construction 33 kV maintenance bay at Liluah S/Station.
- j) Renovation of 132 kV double circuit line from BTPS to Rishra Circuit - I & II.
- k) Construction 33 kV Magrahat feeder bay at Lakshikantapur S/Station.

iii) 220 kV

- a) Replacement of one 220 kV 'HBB' make ABCB by SF-6 breaker at Howrah 220 kV S/S in respect of Howrah - KTPP feeder bay.
- b) Replacement of one 132 kV 'BHEL' make MOCB by one 132 kV SF-6 breaker at Gokarna 220/132 kV S/Station.
- c) Augmentation of 132 kV main bus from 'Zebra' to 'Twin Moose' at Rishra S/Station.
- d) Erection of Earthing-cum-Station Service Transformer for 50 MVA, 132/33 kV Trf-1 at Rishra S/Station.
- e) Erection of 220 kV line bay for KTPP-Haldia Double Circuit line at KTPP end.
- f) Construction of a new 220/132 kV S/Stn. at Krishnanagar with 2 x 160 MVA, 220/132 kV transformers along with associated 11 nos. bays at Asansol.
- g) Construction of new 220/132 kV S/Stn. with 1 x 160 MVA, 220/132 kV and 2 x 50 MVA, 132/33 kV Transformers along with associated 11 nos. bays at Asansol.



DISTRIBUTION WING

The distribution wing of WBSEB is headed by a Chief Engineer. There are five distribution zones under this wing functioning from Kolkata, Burdwan, Midnapur, Berhampur and Siliguri. Each zone is looked after by one Zonal Manager. There are 17 distribution circles, 44 divisions and 451 group electric supply offices, operating under this wing throughout the state.

PERFORMANCE OF DISTRIBUTION WING DURING 2004-05

Sl. No.	Particulars of Work	Proposed Target for the year 2004-2005		Achievement for the year 2004-2005	
		Physical	Financial (Rs. Lakhs)	Physical Achievement 1.4.04 to 31.3.05	Estimated Financial Involvement (Rs. in Lakhs)
I	NORMAL DEVELOPMENT WORK				
A	NEW LINES				
1	33 kV	600 KM	1788	337.27 KM	1005.06
2	11,6.6 & 6 kV	575 KM	1439	894.06 KM	2237.48
3	M & LV	380 KM	1121	1378.78 KM	4067.4
B	NEW SUB-STATION				
1	33/11,6.6 & 6 kV	60 MVA	1632	No-19 MVA-151.20	4112.64
2	11,6.6 & 6 /0.4 kV	75 MVA	1821	No-1426 MVA-74.787	1815.83
C	NEW SERVICE CONNECTION				
1	H. V./Decentralised Bulk Power Connection			270 Nos.	
2	M & LV Connection	5,00,000 nos.	623	368920 Nos. (As on Jan '05)	460.01
D	SYSTEM IMPROVEMENT/UPG RADATION/RECONDITIONING/AUGMENTATION/REVITALISATION OF EXISTING LINE				
1	33 kV	115 KM	314	2.75 KM	7.51
2	11 kV, 6.6 kV & 6 kV	165 KM	251	225.32 KM	342.76
3	M & LV	220 KM	337	188.93 KM	289.41
E	AUGMENTATION CAPACITY OF EXISTING SUB-STATION				
1	33/11 kV, 33/6.6 kV & 33/6 kV	130 MVA	1802	No-18 MVA-55.30	766.54
2	11/0.4 kV, 6.6/0.4 kV & 6/0.4 kV	35 MVA	553	No-374 MVA-17.186	271.54
F	INSTALLATION OF ELECTRONIC ENERGY METER	1200 Nos.	63	1. Ph-232944 3-Ph-10792 (As on Jan '05)	12796.14
G	MODERNISATION OF DISTRIBUTION SYSTEM	L. S.	275	0	0
H	REPLACEMENT OF DEFECTIVE METERS	1,00,000 Nos.	955	1. Ph-130368 3. Ph-7466 (As on Jan '05)	1316.31
	INSTALLATION OF 11 kV SHUNT CAPACITOR	28.8 MVAR	181	0	0
	TOTAL		13155		29488.63

**DISTRICTWISE, ACHIEVEMENT FOR CONSTRUCTION OF NEW 11/6/6.6 kV AND M&LV
MAINS DURING THE YEAR : 2004-2005**

PHYSICAL ACHIEVEMENT : 01.04.2004 to 31.03.2005

Sl. No.	Name of the District Name of the Division	New Lines in K. M.		
		11 kV	6.6/6 kV	M & LV
1	24 Parganas (South)			
i)	Baruipur (O&M) Divn.	21.78	0	24.9
ii)	Garia (O&M) Divn.	10.54	0	48.99
iii)	Behala Dist. Divn.	45.3	0	130.55
iv)	Baruipur Dist. Constn. Divn.	9.92	0	55.82
	Sub-Total	87.54	0	260.26
2	24 Parganas (North)			
i)	Bidhannagar Dist. Divn. I	24.5	0	45.1
ii)	Bidhannagar Dist. Divn. II	3.22	0	5.12
iii)	Barrackpur Dist. Divn.	3.7	0	30.8
iv)	Naihati Dist. Divn.	0	0	0
v)	Barasat Dist. Divn.	0	0	0
vi)	Habra Dist. Divn.	2.56	0	43.77
vii)	Barasat Dist. Constn. Divn.	99.67	0	22
	Sub-Total	133.65	0	146.79
3	Howrah			
i)	Howrah-I	2.58	0	8.79
ii)	Howrah-II	0	0	0
iii)	Uluberia Dist. Divn.	0	0	0
	Sub-Total	2.58	0	8.79
4	Hooghly			
i)	Chandannagar Dist. Divn.	0	0	0
ii)	Srerampur Dist. Divn.	10.3	0	12.8
iii)	Arambag Dist. Divn.	0	0	0
iv)	Hooghly Dist. Constn. Divn.	0	0	0
	Sub-Total	10.3	0	12.8
5	Burdwan			
i)	Burdwan Dist. Divn.	27.48	0	18.68
ii)	Katwa Dist. Divn.	12.41	0	9.83
iii)	Durgapur Dist. Divn.	10.93	0	23.89
iv)	Asansol Dist. Divn.	18.23	0	13.24
v)	Burdwan Dist. Constn. Divn.	22.27	0	53.42
	Sub-Total	91.32	0	119.06
6	East Midnapur			
i)	Haldia Dist. Divn.	5.2	0	6.2
ii)	Tamluk Dist. Divn.	1.45	0	4.22
iii)	Contai Dist. Divn.	0	0	0
iv)	Tamluk Dist. Constn. Divn.	4.85	0	40.48
	Sub-Total	11.5	0	50.9
7	West Midnapur			
i)	Kharagpur Dist. Divn.	6.22	0	18.15
ii)	Midnapur Dist. Constn. Divn.	0	0	0
iii)	Ghatal Dist. Divn.	2.48	0	0
	Sub-Total	8.7	0	18.15

**DISTRICTWISE, ACHIEVEMENT FOR CONSTRUCTION OF NEW 11/6/6.6 kV AND M&LV
MAINS DURING THE YEAR : 2004-2005**

PHYSICAL ACHIEVEMENT : 01.04.2004 to 31.03.2005

Sl. No.	Name of the District Name of the Division	New Lines in K. M.		
		11 kV	6.6/6 kV	M & LV
8	Bankura			
i)	Bankura Dist. Divn.	41.5	0	2.5
ii)	Bankura Dist. Constn. Divn.	10.44	0	10.62
	Sub-Total	51.94	0	13.12
9	Purulia			
i)	Purulia Dist. Divn.	8.61	0	6.67
ii)	Purulia Dist. Constn. Divn.	65.07	0	65.66
	Sub-Total	73.68	0	72.33
10	Birbhum			
i)	Suri Dist. Divn.	23.99	0	17.89
ii)	Rampurhat Dist. Divn.	27.04	0	54.3
	Sub-Total	51.03	0	72.19
11	Nadia			
i)	Kalyani Dist. Divn.	0	0	0
ii)	Krishnanagar Dist. Divn.	22.26	0	64.92
iii)	Tehatta Dist. Divn.	2	0	1.8
iv)	Nadia Dist. Constn. Divn.	0	0	0
	Sub-Total	24.26	0	66.72
12	Murshidabad			
i)	Baharampur Dist. Divn. I	0	0	0
ii)	Baharampur Dist. Divn. II	22.8	0	51.2
iii)	Murshidabad Dist. Constn. Divn.	65.11	0	14.23
	Sub-Total	87.91	0	65.43
13	Malda			
i)	Malda Dist. Divn.	5.25	0	8.5
ii)	Malda Dist. Constn. Divn.	0	0	0
	Sub-Total	5.25	0	8.5
14	Dakshin Dinajpur			
i)	Dakshin Dinajpur Dist. Divn.	4.35	0	6.7
	Sub-Total	4.35	0	6.7
15	Uttar Dinajpur			
i)	Uttar Dinajpur Dist. Divn.	65.9	0	85.75
	Sub-Total	65.9	0	85.75
16	Jalpaiguri			
i)	Jalpaiguri Dist. Divn.	0	0	0
ii)	Alipurduar Dist. Divn.	96	0	133
	Sub-Total	96	0	133
17	Coochbehar			
i)	Coochbehar Dist. Divn.	44.75	0	177
	Sub-Total	44.75	0	177
18	Darjeeling			
i)	Siliguri Dist. Divn.	27.88	0	24.02
ii)	Kurseong G.C.D.	0	0	0
iii)	Darjeeling G.C.D.	15.52	0	37.27
iv)	Darjeeling Dist. Constn. Divn.	0	0	0
	Sub-Total	43.4	0	61.29
	TOTAL	894.06	0	1378.78

**DISTRICT-WISE ACHIEVEMENT FOR UPGRADATION/RECONDITIONING/AUGMENTATION/
REVITALISATION OF EXISTING 33, 11, 6.6, 6 kV AND MEDIUM AND LOW VOLTAGE
DISTRIBUTION MAINS DURING THE YEAR : 2004-2005.
PHYSICAL ACHIEVEMENT : 01.04.2004 TO 31.03.2005**

Sl.	Name of the District Name of the Division	Upgradation/Reconditioning/Augmentation/Revitalisation of Existing Line in KM 11, 6.6 & 6kV			Remarks
		33 kV	6 kV	M&LV	
1	24 Parganas (South)				Particulars of 33kv achievement
i)	Baruipur Dist. Constn. Divn.	0	0	0	
ii)	Baruipur (O&M). Divn.	0	6.1	2	
iii)	Behala Dist Divn.	0	4.6	16.48	
iv)	Garia Dist. Divn.	0	0	7.23	
	Sub-Total :	0	10.7	25.71	
2	24 Parganas (North)				
i)	Bidhannagar Dist. Divn. I	0	6.27	17.96	
ii)	Bidhannagar Dist. Divn. II	0	0.9	2.8	
iii)	Barrackpur Dist. Divn.	0	2.23	1.75	
iv)	Barasat Dist. Divn.	0	0	0	
v)	Barasat Dist Constn. Divn.	0	0	0	
vi)	Habra Dist. Divn.	0	12.69	13.04	
vii)	Naihati Dist. Divn.	0	0	0	
	Sub-Total :	0	22.09	35.55	
3	Howrah				
i)	Uluberia Dist. Divn.	0	0	0	
ii)	Howrah-I	0	0	3.16	
iii)	Howrah-II	0	0	0	
	Sub-Total :	0	0	3.16	
4	Hooghly				
i)	Chandannagar Dist. Divn.	0	0	0	
ii)	Sreerampur Dist. Divn.	0	1.7	4.04	
	Sub-Total :	0	1.7	4.04	
5	Burdwan				
i)	Burdwan Dist. Divn.	0	0	0	
ii)	Katwa Dist. Divn.	0	17.71	0	
iii)	Durgapur Dist. Divn.	0	0	0	
iv)	Asansol Dist. Divn.	0	1.38	5.11	
	Sub-Total :	0	19.09	5.11	
6	East Midnapur				
i)	Tamluk Dist. Constn. Divn.	0	0	0	
ii)	Tamluk Dist. Divn.	0	2.63	0	
iii)	Haldia Dist. Divn.	1.94	0	4.4	
iv)	Contai Dist. Divn.	0	8.2	0	
	Sub-Total :	1.94	10.83	4.4	
7	West Midnapur				
i)	Midnapur Dist. Constn. Divn.	0	0	0	
ii)	Kharagpur Dist. Divn.	0	44.56	0	
iii)	Ghatal	0	0	13.52	
	Sub-Total :	0	44.56	13.52	

Sl.	Name of the District Name of the Division	Upgradation/Reconditioning/Augmentation/Revitalisation of Existing Line in KM			Remarks
		11,6.6 &			
		33 kV	6 kV	M&LV	Particulars of 33 kV achievement
8	Bankura				
i)	Bankura Dist. Constn. Divn.	0	0	0.91	
ii)	Bankura Dist. Divn.	0	0	0	
iii)	Bishnupur Dist. Divn.	0	2.35	2.1	
	Sub-Total :	0	2.35	3.01	
9	Purulia				
i)	Purulia Dist. Divn.	0	9.47	16.03	
ii)	Purulia Dist. Constn. Divn.	0	6	6.48	
	Sub-Total :	0	15.47	22.51	
10	Birbhum				
i)	Rampurhat Dist. Divn.	0	14.13	20.06	
ii)	Suri Dist. Divn.	0	0	0	
	Sub-Total :	0	14.13	20.06	
11	Nadia				
i)	Krishnanagar Dist. Divn.	0	0	8.33	
ii)	Nadia Dist. Constn. Divn.	0	10.8	12.49	
	Sub-Total :	0	10.8	20.82	
12	Malda				
i)	Malda Dist. Divn.	0	0	0	
	Sub-Total	0	0	0	
13	Murshidabad				
i)	Baharampur Dist. Divn. I	0	0	2.2	
ii)	Baharampur Dist. Divn. II	0	0	5.5	
iii)	Murshidabad Dist. Constn. Divn.	0	30.3	0	
	Sub-Total	0	39.3	7.7	
14	Dakshin Dinajpur				
i)	Dakshin Dinajpur Dist. Divn.	0	0	0	
	Sub-Total	0	0	0	
15.	Uttar Dinajpur				
i)	Uttar Dinajpur Dist. Divn.	0.81	3.94	0.68	
	Sub-Total :	0.81	3.94	0.68	
16	Jalpaiguri				
i)	Alipurduar Dist. Divn.	0	38.94	8.2	
ii)	Jalpaiguri Dist. Divn.	0	0	0	
	Sub-Total :	0	38.94	8.2	
17	Coochbehar				
i)	Coochbehar Dist. Divn.	0	0	0	
	Sub-Total :	0	0	0	
18	Darjeeling				
i)	Darjeeling Dist. Constn. Divn.	0	0	0	
ii)	Siliguri Dist. Divn.	0	0.42	14.46	
iii)	Darjeeling GCD	0	0	0	
	Sub-Total :	0	0.42	14.46	
	TOTAL	2.75	225.32	188.93	

ERECTION OF NEW 33 kV MAINS PHYSICAL ACHIEVEMENT : 1.4.2004 TO 31.03.2005

Sl. No.	District	Location From		Location To		Proposed Route length (KM) in KM	Work Order No. & Date	Route length achieved KM	Date of Commissioning	Remarks
		P.S.	Mouza	P.S.	Mouza					
1	Nadia	Ranaghat 132/33/11kV S/S		Anulia 33/11kV S/S/		5.5	DS/RIDF-VI/01-02/118/113/89 Dt. 27.2.2002	4.8	April '04	
2	Burdwan	Kanyapur		Dabour		68.2	DS/2000-01/117/65/75 Dt. 31.1.2001(PFC)	20	April '04	40KM Achieved in 2003-04
3	Hooghly	Jangipara 132/33/11kV S/S		i) Singti 33/11kV S/S		28.5	DS/2000-01/23/115/15 Dt. 31.5.2000	8.03	April '04	
4	Hooghly	Khanyan 132/33/11kV S/S		ii) Jangipara 33/11kV S/S			- DO -	5.77	April '04	
				iii) Seakhala 33/11kV S/S			- DO -	5.88	April '04	
				i) Khanyan 33/11kV S/S			- DO -	4.23	April '04	
				Khanyan-II Fdr			- DO -	1.68	April '04	
				Pandua 33/11kV S/S			- DO -	1.65	April '04	
				Pandua-I Fdr			- DO -	14.4	April '04	
				iii) Pandua 33/11kV S/S			- DO -	5.18	April '04	
				Pandua-II Fdr			- DO -			
				iv) Inchura 33/11kV S/S			- DO -			
				v) Mogra 33/11kV S/S			- DO -			
				Mogra-I Fdr						
5	Birbhum	Rampurhat 132/33/11kV S/S		Kenduri 33/11kV S/S		4.5	DS/RIDF-VI/2001-02/117/106/88 Dt. 27.2.2002	4.5	June '04	
6	Bankura	Kenduadihi 33/11kV S/S		Manjura 33/11kV S/S		4	DS/RIDF-VI/01-02/03/174 Dt. 20.2.2002	4	July '04	
7	24-Pgs. (North)	Bidhannagar 132/33kV S/S		Bidhannagar M-1 33/11kV S/S		3.5	3N/BNDS-EEG/03-04/T-22/322/49 Dt. 21.2.04	3.27	Sept '04	
8	24-Pgs. (North)	Bidhannagar 132/33kV S/S		Salt Lake 33/11kV S/S		2	EK/03-04/75/59/35 Dt. 5.3.04	1.8	Sept '04	
9	24-Pgs. (North)	Bongaon 132/33kV S/S		Gaighata 33/11kV S/S		6.5	DS/98-99/5/111/37 Dt. 30.7.98	6.3	Sept '04	
10	24-Pgs. (North)	Barasat 132/33kV S/S		Madhumarili for Abdalpur S/S		5.5	DS/RIDF-VI/01-02/102/111/73 Dt. 20.2.02	5.49	Sept '04	

Sl. No.	District	Location From		Location To		Proposed Route length (KM) in KM	Work Order No. & Date	Route length achieved KM	Date of Commissioning	Remarks
		P.S.	Mouza	P.S.	Mouza					
11	24-Pgs. (North)	Bongaon 132/33kV S/S		Bongaon 33/11kV S/S (Bongaon-I)		4	DS/98-99/51/111/37 Dt. 30.7.98	4.04	Sept '04	
12	Murshidabad	Domkal 33/11kV S/S		Jalangi 33/11kV S/S		15.5	DS/RIDF-VI/01-02/106/114/77 Dt. 21.2.02	15.4	Sept '04	
13	Murshidabad	Gokarna 132/33kV S/S		Kandi 33/11kV S/S		17.5	DSD/RIDF-VI/01-02/153/114/124 Dt. 11.3.02	17.6	Sept '04	
14	Murshidabad	Palasi 33/11kV S/S		Rejinagar 33/11kV S/S		4	DS/RIDF-VI/01-02/125/114/96 Dt. 28.2.02	4	Sept '04	
15	Darjeeling	Mongpoo Kalikhola		Pesok		36	DS/96-97/29/127/15 Dt. 17.6.96	36	Dec '04	
16	Darjeeling	Pesok		Lebong		30	DS/02-03/24/127/13 Dt. 14.6.02	30	Dec '04	
17	Coochbehar	Coochbehar		Akrahat		30	DS/RIDF-VI/01-02/89/84/63 Dt. 5.2.02	29.7	Jan '05	
18	U. Dinajpur	Chakulia		Lodhan		9	DS/RIDF-VI/01-02/1089 Dt. 21.2.02	9	Jan '05	
19	U. Dinajpur	Hemtabad 33/11kV S/S		Kaliaganj 33/11kV S/S		17	SE/REDC/UBUP/02-03/UD/PROV/WO/SI/Tech-51/11 Dt. 20.11.02	16.9	Jan '05	
20	Bankura	Bankura 132/33kV S/S		Nandanpur 33/11kV S/S		42	DS/RIDF-VI/118/103/88 Dt. 13.1.03	41.5	Jan '05	
21	Bankura	Khatra 33/11kV S/S		Ranibadand 33/11kV S/S		25	DS/RIDF-VI/01-02/122/103/93 Dt. 28.2.02	25	Jan '05	
22	24-Pgs. (North)	Basirhat 132/33kV S/S		i) Basirhat 33/11kV S/S (Bay-II) ii) Hasnabad 33/11kV S/S (Bay-III) ii) Serapole 33/11kV S/S (Bay-IV)		0.3 0.08 0.07		0.3 0.08 0.07	Jan '05 Jan '05 Jan '05	
23	Murshidabad	Domkal 33/11kV S/S		Jalangi 33/11kV S/S		18	DS/RIDF-VI/01-02/106/114/77 Dt. 21.2.04	2.5	Jan '05	(15.4 achieved in Sept '04)
24	Murshidabad	Palasi 33/11kV S/S		Rejinagar 33/11kV S/S		8.5	DS/RIDF-VI/01-02/125/114/96 Dt. 28.2.02	4.2	Jan '05	(4 Km achieved in Sept '04)
						Total : 333.27 KM				

INSTALLATION/ERECTION OF NEW 33/11.6.6 & 6 kV SUB-STATIONS PHYSICAL ACHIEVEMENT : 1.4.2004 TO 31.03.2005

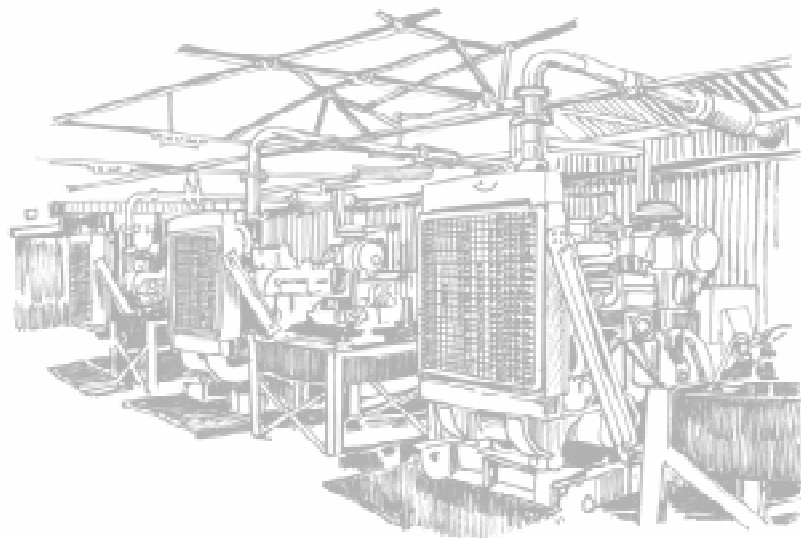
Sl. No.	District	Name of the S/Stn.	Police Station	Mouza	Voltage Ratio kV/kV	Work Order No. & Date	Proposed capacity NOXMVA	Capacity achieved NOXMVA	Capacity addition MVA	Date of commissioning
1	24-Pgs. (North)	Abdalpur	Barasat	Abdalpur	33/11	DS/RIDF-VI/2001-02/102/111/73 Dt. 20.2.02	2x6.3=12.60	1x6.3=6.30	6.3	April '04
2	24-Pgs. (North)	Amdanga	Amdanga	Amdanga	33/11	DS/RIDF-VI/2001-02/115/111/86 Dt. 26.2.02	1x6.3+1x3.15=9.45	1x3.15=3.15	3.15	April '04
3	Jalpaiguri	Pandapara	Jalpaiguri	Kharia	33/11	DS/RIDF-VI/2001-02/104/83/75 Dt. 20.2.02	1x6.3+1x3.15=9.45	2x6.3=12.60	12.6	April '04
4	Darjeeling	Housing Board	Bhaktonagar	Dabgram	33/11	DS/96-97/182 Dt. 8.4.96	2x6.3=12.60	2x6.3=12.60	12.6	April '04
5	24-Pgs. (South)	Baruipur	Baruipur	Salipur	33/11	DS/RIDF-VI/2001-02/120/112/91 Dt. 27.2.02	1x6.3+1x3.15=9.45	1x6.3+1x3.15=9.45	9.45	June '04
6	Paschim Midnapur	Sankrail	Sankrail	Sankrail	33/11	DS/RIDF-VI/2001-02/127/102/98 Dt. 28.2.02	2x3.15=6.30	2x3.15=6.30	6.3	June '04
7	Bankura	Chatna	Chatna	Chatna	33/11	DS/RIDF-VI/2001-02/12/103/92 Dt. 28.2.02	2x3.15=6.30	2x3.15=6.30	6.3	July '04
8	Bankura	Manjura	Bankura	Manjura	33/11	DS/RIDF-VI/2001-02/03/74 Dt. 20.2.02	2x3.15=6.30	2x3.15=6.30	6.3	Aug '04
9	West Midnapur	Gopiballavpur	Gopiballavpur	Gopiballavpur	33/11	DS/RIDF-VI/2001-02/100/101/71 Dt. 20.2.02	2x3.15=6.30	2x3.15=6.30	6.3	Sept '04
10	West Midnapur	Chingra		Gopiballavpur	33/11	DS/RIDF-VI/2001-02/101/101/72 Dt. 20.2.02	2x3.15=6.30	2x3.15=6.30	6.3	Sept '04
11	24 Pgs (South)	Deulberia	Bishnupur	Deulberia	33/11	DS/RIDF-VI/2001-02/112/112/83 Dt. 26.2.02	1x6.3+1x3.15=9.45	1x6.3+1x3.15=9.45	9.45	Nov '04
12	Darjeeling	Ghoshpukur	Phasidewa	Ghoshpukur	33/11	DS/RIDF-VI/2001-02/123/127/94 Dt. 28.2.02	2x3.15=6.30	2x3.15=6.30	6.3	Nov '04
13	Murshidabad	Jalangi	Jalangi	Sahabrampur	33/11	DS/RIDF-VI/2001-02/106/114/77 Dt. 21.2.02	2x3.15=6.30	2x3.15=6.30	6.3	Dec '04
14	Murshidabad	Rejinagar	Reginagar	Manganpara	33/11	DS/RIDF-VI/2001-02/125/114/96 Dt. 28.2.02	1x6.3+1x3.15=9.45	1x6.3+1x3.15=9.45	9.45	Dec '04
15	Burdwan	Khondokosh	Raina	Raina	33/11	DS/RIDF-VI/2001-02/124/105/95 Dt. 28.2.02	2x6.3=12.60	2x6.3=12.60	12.6	Jan '05

INSTALLATION/ERECTION OF NEW 33/11.6.6 & 6 kV SUB-STATIONS PHYSICAL ACHIEVEMENT : 1.4.2004 TO 31.03.2005

Sl. No.	District	Name of the S/Stn.	Police Station	Mouza	Voltage Ratio kV/kV	Work Order No. & Date length (KM)	Proposed capacity NOXMVA	Capacity achieved NOXMVA	Capacity addition MVA	Date of commissioning
16	Bankura	Ranibandh	Ranibandh	Ghagra	33/11	DS/RIDF-VI/2001-02/122/103/923 Dt. 28.2.02	2x3.15=6.30	2x3.15=6.30	6.3	Jan '05
17	Coochbehar	Akrahati	Akrahati-Kotwall	Akrahati	33/11	DS/RIDF-VI/2001-02/89/84/63 Dt. 5.2.02	2x3.15=6.30	2x3.15=6.30	6.3	Jan '05
18	Nadia	Badkulla	Hanskhali	Badkulla	33/11	DS/RIDF-VIII/2002-03/149/113/118 Dt. 30.1.03	2x3.15=6.30	2x3.15=6.30	6.3	Feb '05
19	24-Pgs (South)	Kalikapur	Sonarapur	Kalikapur	33/11	DS/RIDF-VI/2001-02/111/112/82 Dt. 26.2.02	2x6.3=12.60	2x6.3=12.60	12.6	March '05
						NO-19/MVA-151.20				

**NEW SERVICE CONNECTIONS EFFECTED TO DECENTRALISED BULK
POWER CONSUMERS DURING THE PERIOD FROM : 01.04.2004 TO 31.03.2005**

Sl. No.	Name of the Distribution Circle	New Service Connection effected from 01.04.2004 to 31.03.2005
1	24 Parganas (South)	17
2	24 Parganas (North)	17
3	Bidhannagar	30
4	Howrah	32
5	Hooghly	32
6	Burdwan	19
7	Birbhum	8
8	West Midnapur	14
9	East Midnapur	7
10	Bankura	11
11	Purulia	15
12	Murshidabad	9
13	Nadia	4
14	Malda	5
15	Darjeeling	21
16	Jalpaiguri	24
17	Raiganj	5
	TOTAL	270



**AUGMENTATION OF THE EXISTING 33/11,6.6 & 6kV SUB-STATIONS
PHYSICAL ACHIEVEMENT : 1.4.2004 TO 31.03.2005**

Sl. No.	District	Name of Sub-Stn.	P. S.	Mouza	Voltage Ratio kV/kV	Existing capacity NOXMVA	Work Order No. & Date	Proposed capacity NOXMVA	Capacity achieved NOXMVA	Capacity addition MVA	Date of Commissioning
1	Hooghly	Khanakul			33/11	2x3+1x3.15=9.15	DS/2001-02/44/115/34 Dt. 28.8.2001	1x3+1x6.3+1x3.15=12.45	1x3+1x5+1x3.15=11.15	2	April '04
2.	Bankura	Nandanpur			33/11	1x1.5+1x3.15= 4.65		2x3.15=6.30	2x3.15 = 6.30	1.65	May '04
3.	24 Parganas (N)	Bidhannagar, M-II			33/11	3x6.3=18.90	DS/2000-01/116/59/74 Dt. 30.1.01 (PFC)	4x6.3=25.20	4x6.3=25.20	6.3	June '04
4.	D. Dinagpur	Harirampur			33/11	1x3.15=3.15	02/107/122/78 Dt. 21.02.02	2x3.15=6.30	2x3.15=6.30	3.15	June '04
5.	D. Dinajpur	Salas			33/11	1x3+1x3.15=6.15	DS/200-01/62/122/41 Dt. 1.8.2000	1x3.15+1x6.3=9.45	1x3.15+1x6.3=9.45	3.3	June '04
6.	Paschim Midnapur	Keshiary			33/11	1x3.15++1x5=8.15	DS/RIDF-VI/01-02/ 128/71/99 Dt. 4.3.02	1x3.15+1x6.3=9.45	1x3.15+1x6.3=9.45	1.3	July '04
7.	24 Parganas (N)	Hroa			33/11	2x3.15=6.30	DS/RIDF-VI/01-02/13/ 157/102 Dt. 4.3.02	1x6.3+1x3.15=9.45	1x6.3+1x3.15=9.45	3.15	July '04
8.	Jalpaiguri	Kamakshaguri			33/11	1x3+1x1.5=4.50		1x3+1x3.15=6.15	1x3+1x3.15=6.15	1.65	Aug '04
9.	24 Parganas (N)	Bidhannagar M-V			33/11	4x6.3=25.20		5x6.3=31.50	5x6.3=31.50	6.3	Sept '04
10.	Murshidabad	Ragunathganj			33/11	2x5+15+1x6.3=19.45	DS/RIDF-VIII/02-03/ 202/114/170 Dt. 27.2.03	2x5+2x6.3=22.60	2x5+2x6.3=22.60	3.15	Sept '04
11.	Bankura	Borjora			33/11	1x5+1x3=8.00		1x5+1x6.3=11.30	1x5+1x6.3=11.30	3.3	Nov '04
12.	Purulia	Jhalda			33/11	2x3=6.00	DS/RIDF-VIII/02-03/ 132/74/101 Dt. 21.1.03	2x6.3=12.60	1x3+1x6.3=9.30	3.3	Nov '04
13.	24 Parganas (S)	Amtala			33/11	3x5+1x3+1x1.6=19.60	SEC/APDRP/02-03/T- 108/53/32 Dt. 31.3.03	1x6.3+3x5+1x1.6=22.90	1x6.3+3x5+1x1.6=22.90	3.3	Jan '05
14.	U. Dinajpur	Islampur			33/11	1x3+1x6.3=19.60	DS/RIDF-VI/01-02/136/ 92/107 Dt. 6.3.02	2x6.3=12.60	2x6.3=12.60	3.3	Jan '05
15.	East Midnapur	Bhagabanpur			33/11	2x3=6.00		1x3+1x5=8.00	1x3+1x5=8.00	2	Jan '05
16.	Purulia	Hura			33/11	1x1.6+1x3.15=4.75	DS/RIDF-VII/02-03/132/ /74/101 Dt. 21.1.03	2x3.15=6.30	2x3.15=6.30	1.55	Jan '05
17.	Purulia	Jhalda			33/11	2x3=6.00	DS/RIDF-VII/02-03/132/ /74/101 Dt. 21.1.03	2x6.30=12.60	1x6.3=6.30	0.3	Jan '05
18.	Birbhum	Mouldanga			33/11	1x6.3=6.30	DS/RIDF/VIII/02-03/62/ /74/101 Dt. 21.1.03	2x6.3=12.60	2x6.30=12.60	6.3	Jan '05

**DISTRICT-WISE ACHIEVEMENT FOR INSTALLATION OF NEW DISTRIBUTION SUB-STATIONS
DURING THE YEAR : 2004-2005.
PHYSICAL ACHIEVEMENT : 01.04.2004 TO 31.03.2005**

Sl. No.	Name of Division	1000	315	250	100	63	25	10	TOTAL Nos.
1	24 Parganas (South)								
i)	Baruipur (O & M) Divn.	0	0	0	7	5	2	0	14
ii)	Baruipur Dist. Constn. Divn.	0	0	0	1	2	2	1	6
iii)	Garia Dist Divn.	0	0	0	16	24	4	0	44
iv)	Behala Dist Divn.	0	0	0	29	30	14	0	73
	Sub -Total :	0	0	0	53	61	22	1	137
2	24 Parganas (North)								
i)	Bidhannagar Dist. Divn. I	3	2	0	2	0	0	0	7
ii)	Bidhannagar Dist. Divn. II	0	0	0	28	0	0	0	28
iii)	Barrackpur Dist. Divn.	0	1	0	15	0	0	0	16
iv)	Naihati Dist. Divn.	0	0	0	0	0	0	0	0
v)	Barasat Dist. Divn.	0	0	0	2	3	2	0	7
vi)	Habra Dist. Divn.	0	0	0	3	10	11	0	24
vii)	Barasat Dist. Constn. Divn.	0	0	0	0	0	0	0	0
	Sub -Total :	3	3	0	50	13	13	0	82
3	Howrah								
i)	Howrah-I	0	2	2	7	6	0	0	17
ii)	Howrah-II	0	0	0	2	4	6	0	12
iii)	Uluberia Dist. Divn.	0	0	0	0	0	0	0	0
	Sub -Total :	0	2	2	9	10	6	0	29
4	Hooghly								
i)	Chandannagar Dist. Divn.	0	0	0	0	0	0	0	0
ii)	Sreerampur Dist. Divn.	0	0	0	20	23	4	4	51
iii)	Arambagh Dist. Divn.	0	0	0	1	2	2	0	5
iv)	Hooghly Dist. Constn. Divn.	0	0	0	0	0	0	0	0
	Sub -Total :	0	0	0	21	25	6	4	56
5	Burdwan								
i)	Burdwan Dist. Divn.	0	0	0	5	17	20	46	88
ii)	Katwa Dist. Divn.	0	0	0	2	7	15	93	117
iii)	Durgapur Dist. Divn.	0	0	0	4	10	10	1	25
iv)	Asansol Dist. Divn.	0	0	1	30	30	20	4	85
v)	Burdwan Dist. Constn. Divn.	0	0	0	0	0	0	0	0
	Sub -Total :	0	0	1	41	70	88	153	353
6	West Midnapur								
i)	Kharagpur Dist. Divn.	0	0	0	2	2	4	0	8
ii)	Midnapur Dist. Constn. Divn.	0	0	0	0	0	0	0	0
	Sub -Total :	0	0	0	2	2	4	0	8
7	East Midnapur								
i)	Tamluk Dist. Divn.	0	0	0	1	4	10	6	21
ii)	Haldia Dist. Divn.	0	0	0	7	3	6	0	16
iii)	Contai Dist. Divn.	0	0	0	5	0	12	22	39
iv)	Tamluk Dist. Constn. Divn.	0	0	0	1	3	4	0	8
	Sub -Total :	0	0	0	14	10	32	28	84
8	Bankura								
i)	Bankura Dist. Divn.	0	0	0	6	5	23	9	43
ii)	Bankura Dist. Constn. Divn.	0	0	0	0	4	5	0	9

Sl.Name of Division No.	1000	315	250	100	63	25	10	TOTAL Nos.
iii) Bishnupur Dist. Divn	0	0	0	3	0	2	0	5
Sub - Total :	0	0	0	9	9	30	9	57
9 Purulia								
i) Purulia Dist. Divn	0	0	0	2	6	6	0	14
ii) Purulia Dist. Constn. Divn	0	0	0	3	16	33	0	52
Sub - Total :	0	0	0	5	22	39	0	66
10 Birbhum								
i) Suri Dist. Divn	0	0	0	2	7	21	9	39
ii) Rampurhat Dist. Divn	0	0	0	6	15	19	26	66
Sub - Total :	0	0	0	8	22	40	35	105
11 Nadia								
i) Kalyani Dist. Divn	0	0	0	0	0	0	0	0
ii) Krishnanagar Dist. Divn	0	0	0	5	29	34	3	71
iii) Tehatta Dist. Divn	0	0	0	10	1	1	0	12
iv) Nadia Dist. Constn. Divn	0	0	0	0	0	0	0	0
Sub - Total :	0	0	0	15	30	35	3	83
12 Murshidabad								
i) Baharampur Dist. Divn I	0	0	0	0	0	0	0	0
ii) Baharampur Dist. Divn II	0	0	0	2	2	3	0	7
iii) Murshidabad Dist. Constn. Divn	0	0	0	0	0	0	0	0
Sub - Total :	0	0	0	2	2	3	0	7
13 Malda								
i) Malda Dist Divn	0	0	0	1	2	2	0	5
ii) Malda Dist. Constn. Divn.	0	0	0	0	0	0	0	0
Sub - Total :	0	0	0	1	2	2	0	5
14 Dakshin Dinajpur								
i) Dakshin Dinajpur Dist. Divn.	0	0	0	1	1	2	0	4
Sub - Total	0	0	0	1	1	2	0	4
15 Uttar Dinajpur								
i) Uttar Dinajpur Dist. Divn.	0	0	0	8	24	58	23	113
Sub - Total	0	0	0	8	24	58	23	113
16 Jalpaiguri								
i) Jalpaiguri Dist. Divn.	0	0	0	0	0	0	0	0
ii) Alipurduar Dist. Divn.	0	0	0	9	52	28	0	89
Sub - Total	0	0	0	9	52	28	0	89
17 Coochbehar								
i) Coochbehar Dist. Divn.	0	0	0	1	1	2	0	4
Sub - Total	0	0	0	1	1	2	0	4
18 Darjeeling								
i) Siliguri Dist. Divn.	0	0	0	47	17	42	2	108
ii) Kurseong G.C.D. Divn.	0	0	0	5	3	4	0	12
iii) Darjeeling G.C.D. Divn.	0	0	0	8	13	3	0	24
iv) Darjeeling Dist. Constn. Divn.	0	0	0	0	0	0	0	0
Sub - Total	0	0	0	60	33	49	2	144
Grand Total	3	5	3	309	389	459	258	1426

**DISTRICT-WISE ACHIEVEMENT FOR INSTALLATION OF NEW DISTRIBUTION SUB-STATIONS
DURING THE YEAR : 2004-2005.
PHYSICAL ACHIEVEMENT : 01.04.2004 TO 31.03.2005**

Sl. No.	Name of District	Augmentation of existing 11,6.6, 6/0.4 KV Distribution Sub Stations											
		10 to 25/63		25 to 63/100		63 to 100		100 to 100/250/315		250/315 to 315		Total	
		No.	kVA Addn.	No.	kVA Addn.	No.	kVA Addn.	No.	kVA Addn.	No.	kVA Addn.	No.	kVA Addn.
1	24 Parganas (South)												
i)	Baruipur (O & M) Divn.	0	0	3	0.114	3	0.111	0	0	0	0	6	0.225
ii)	Behala Dist Divn.	0	0	11	0.455	6	0.222	0	0	0	0	17	0.677
iii)	Garia Dist Divn.	0	0	5	0.19	13	0.481	0	0	0	0	18	0.671
iv)	Baruipur Dist. Constn. Divn.	0	0	0	0	0	0	0	0	0	0	0	0
	Sub -Total :	0	0	19	0.759	22	0.814	0	0	0	0	41	1.573
2	24 Parganas (North)												
i)	Bidhannagar Dist. Divn. I	0	0	0	0	0	0	0	0	5	1.575	5	1.575
ii)	Bidhannagar Dist. Divn. II	0	0	0	0	3	0.111	3	0.645	0	0	6	0.756
iii)	Naihati Dist. Divn.	0	0	2	0.076	4	0.148	0	0	0	0	6	0.224
iv)	Barasat Dist. Divn.	0	0	4	0.152	6	0.222	0	0	0	0	10	0.374
v)	Habra Dist. Divn.	0	0	8	0.304	8	0.296	0	0	0	0	16	0.6
vi)	Barrackpur Dist. Divn.	0	0	3	0.114	5	0.185	1	0.15	0	0	9	0.449
vii)	Barasat Dist. Constn. Divn.	0	0	0	0	0	0	0	0	0	0	0	0
	Sub - Total :	0	0	17	0.646	26	0.962	4	0.795	5	1.575	52	3.978
3	Howrah												
i)	Howrah-I	0	0	4	0.189	8	0.511	1	0.15	3	0.195	16	1.045
ii)	Howrah-II	0	0	0	0	0	0	0	0	0	0	0	0
iii)	Uluberia Dist. Divn.	0	0	0	0	0	0	0	0	0	0	0	0
	Sub - Total :	0	0	4	0.189	8	0.511	1	0.15	3	0.195	16	1.045
4	Hooghly												
i)	Chandannagar Dist. Divn.	0	0	0	0	3	0.111	0	0	0	0	3	0.111
ii)	Sreerampur Dist. Divn.	1	0.015	5	0.19	5	0.185	0	0	0	0	11	0.39
iii)	Arambagh Dist. Divn.	0	0	3	0.114	4	0.148	0	0	0	0	7	0.262
	Sub - Total :	1	0.015	8	0.304	12	0.444	0	0	0	0	21	0.763
5	Burdwan												
i)	Burdwan Dist. Divn.	0	0	4	0.152	3	0.111	0	0	0	0	7	0.263
ii)	Durgapur Dist. Divn.	0	0	4	0.152	3	0.111	0	0	0	0	7	0.263
iii)	Asansol Dist. Divn.	1	0.015	4	0.152	5	0.185	3	0.45	0	0	13	0.802
iv)	Katwa Dist. Divn.	0	0	3	0.114	3	0.111	0	0	0	0	6	0.225
v)	Burdwan Dist. Constn. Divn.	0	0	0	0	0	0	0	0	0	0	0	0
	Sub - Total :	1	0.015	15	0.57	14	0.518	3	0.45	0	0	33	1.553
6	East Midnapur												
i)	Contai Dist. Divn.	0	0	3	0.114	3	0.111	0	0	0	0	6	0.225
ii)	Haldia Dist. Divn.	0	0	4	0.152	4	0.148	0	0	0	0	8	0.3
iii)	Tamluk Dist. Divn.	22	0.836	5	0.185	3	0.111	0	0	0	0	30	1.132
iv)	Tamluk Dist. Constn. Divn.	0	0	15	0.57	13	0.481	0	0	0	0	28	1.051
	Sub - Total :	22	0.836	27	1.021	23	0.851	0	0	0	0	72	2.708
7	West Midnapur												
i)	Kharagpur Dist. Divn.	0	0	5	0.19	2	0.074	0	0	0	0	7	0.264
ii)	Ghatal Dist. Divn.	0	0	4	0.152	2	0.074	0	0	0	0	6	0.226
	Sub - Total :	0	0	9	0.342	4	0.148	0	0	0	0	13	0.49

Sl. No.	Name of District	Augmentation of existing 11,6.6, 6/0.4 kV Distribution Sub Stations											
		10 to 25/63		25 to 63/100		63 to 100		100 to 100/250/315		250/315 to 315		Total	
		No.	kVA	No.	kVA	No.	kVA	No.	kVA	No.	kVA	No.	kVA
		Addn.		Addn.		Addn.		Addn.		Addn.		Addn.	
8	Bankura												
i)	Bankura Dist. Divn.	0	0	6	0.228	6	0.222	0	0	0	0	12	0.45
ii)	Bishnupur Dist. Divn	0	0	2	0.076	0	0	0	0	0	0	2	0.076
iii)	Bankura Dist. Constrn. Divn.	0	0	1	0.038	1	0.037	0	0	0	0	2	0.075
	Sub - Total :	0	0	9	0.342	7	0.259	0	0	0	0	16	0.601
9	Purulia												
i)	Purulia Dist. Divn	0	0	1	0.038	0	0	0	0	0	0	1	0.038
ii)	Purulia Dist. Constrn. Divn	0	0	0	0	0	0	0	0	0	0	0	0
	Sub - Total :	0	0	1	0.038	0	0	0	0	0	0	1	0.038
10	Birbhum												
i)	Suri Dist. Divn	1	0.015	2	0.076	3	0.111	0	0	0	0	6	0.202
ii)	Rampurhat Dist. Divn	0	0	3	0.114	4	0.148	0	0	0	0	7	0.262
	Sub - Total :	1	0.015	5	0.19	7	0.259	0	0	0	0	13	0.464
11	Nadia												
i)	Krishnanagar Dist. Divn	6	0.228	6	0.222	0	0	0	0	0	0	12	0.45
ii)	Tehatta Dist. Divn	0	0	3	0.114	0	0	0	0	0	0	3	0.114
iii)	Nadia Dist. Constrn. Divn	0	0	0	0	1	0.037	0	0	0	0	1	0.037
iv)	Kalyani Dist. Divn	0	0	4	0.152	3	0.111	0	0	0	0	7	0.263
	Sub - Total :	6	0.228	13	0.488	4	0.148	0	0	0	0	23	0.864
12	Murshidabad												
i)	Baharampur Dist. Divn I	0	0	4	0.152	4	0.148	0	0	0	0	8	0.3
ii)	Baharampur Dist. Divn II	0	0	3	0.114	7	0.259	0	0	0	0	10	0.373
iii)	Murshidabad Dist. Constrn. Divn.	0	0	0	0	0	0	0	0	0	0	0	0
	Sub - Total :	0	0	7	0.266	11	0.407	0	0	0	0	18	0.673
13	Malda												
i)	Malda Dist Divn	0	0	3	0.114	4	0.148	0	0	0	0	7	0.262
ii)	Malda Dist. Constrn. Divn.	0	0	0	0	0	0	0	0	0	0	0	0
	Sub - Total :	0	0	3	0.114	4	0.148	0	0	0	0	7	0.262
14	Uttar Dinajpur												
i)	Uttar Dinajpur Dist. Divn.	0	0	3	0.114	5	0.185	0	0	0	0	8	0.299
	Sub - Total	0	0	3	0.114	5	0.185	0	0	0	0	8	0.299
15	Dakshin Dinajpur												
i)	Dakshin Dinajpur Dist. Divn.	0	0	0	0	0	0	0	0	0	0	0	0
	Sub - Total	0	0	0	0	0	0	0	0	0	0	0	0
16	Jalpaiguri												
i)	Jalpaiguri Dist. Divn.	0	0	4	0.152	3	0.111	0	0	0	0	7	0.263
ii)	Alipurduar Dist. Divn.	0	0	6	0.228	4	0.148	0	0	0	0	10	0.376
	Sub - Total	0	0	10	0.38	7	0.259	0	0	0	0	17	0.639
17	Coochbehar												
i)	Coochbehar Dist. Divn.	0	0	2	0.076	3	0.111	0	0	0	0	5	0.187
	Sub - Total	0	0	2	0.076	3	0.111	0	0	0	0	5	0.187
18	Darjeeling												
i)	Siliguri Dist. Divn.	0	0	11	0.788	5	0.185	0	0	0	0	16	0.973
ii)	Darjeeling G.C.D. Divn.	0	0	2	0.076	0	0	0	0	0	0	2	0.076
iii)	Darjeeling Dist. Constrn. Divn.	0	0	0	0	0	0	0	0	0	0	0	0
	Sub - Total	0	0	13	0.864	5	0.185	0	0	0	0	18	1.049
	Total	31	1.109	165	6.703	162	6.209	8	1.395	8	1.77	374	17.186

RURAL ELECTRIFICATION (RE)

The Rural Electrification Wing headed by Chief Engineer primarily deals with :

- ◆ RE works for electrification of virgin mouzas or works including MPLAD/BEUP/ZPPDP and various other funds.
- ◆ System improvement works under RIDF schemes/RGGVY schemes.
- ◆ Energisation of Irrigation pump sets under WRDD, SGSY & various other fund.
- ◆ Kutirjyoti & Lokdeep Programme.
- ◆ Schemes of S.T.W. Pump metering and dedicated agricultural feeder.

Status of RE works

- ◆ Upto 31.3.2005 : 29758 virgin mouzas have been electrified by WBSEB
- ◆ As on 31.3.2005 : 32171 mouzas have been electrified jointly with WBREDC & WBREDA out of 37910 inhabited rural mouzas in the state as per 1991 census.
- ◆ 100% mouza electrified in the following districts : (a) Nadia (b) Hooghly (c) Howrah.
- ◆ 90% and above in other eight districts namely : Jalpaiguri, Coochbehar, Malda, Murshidabad, Birbhum, Burdwan, 24-Parganas (North) and 24-Parganas (South).
- ◆ WBSEB energized : (As on 31.3.2005) : 1,12,055 Agricultural Pump Sets of which : STW – 1,04,943, DTWS – 5375 & RLI – 1737.
- ◆ Kutirjyoti – Lokdeep Scheme : 1,28,931 as on 31.3.2005.
- ◆ **Virgin Mouza Electrification Programme** : Following the National Policy WBSEB has also taken the programme of electrification of 4283 Virgin Mouzas by March, 2007. CPSUs have been entrusted with the job of electrification of 3826 mouzas in Midnapur (East), Midnapur (West), Bankura & Purulia. The work of other mouzas are taken up by WBSEB.

System Improvement works under sanctioned RIDF – VI, VII & VIII Schemes

The System Improvement Project under RIDF – VI schemes was originally processed by WBREDC in consultation with Dist. P&E Department of WBSEB. The construction work started in January 2002. The sanctioned amount of RIDF–VI scheme was Rs. 133.82 Crores involving construction of 32 No. of new 33/11 kV Sub-stations with associated 33 kV & 11 kV lines, 29 No. of augmentation of 33/11 kV Sub-stations, Construction/Upgradation of 33 kV and 11 kV lines in 17 districts. 29 No. new 33/11 kV Sub-stations along with augmentation of 27 No. of 33/11 kV Sub-stations have so far been completed while works in 2 new Sub-stations and other works are in progress.

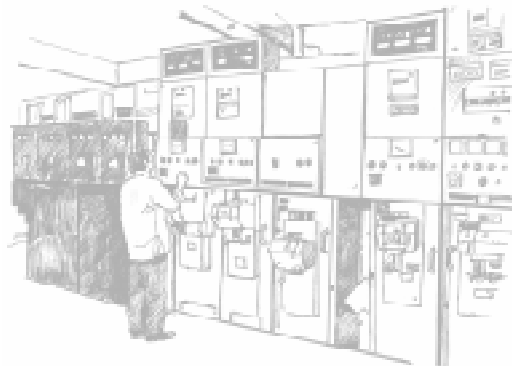
Under RIDF-VII sanctioned scheme for Rs. 70.454 crores – Construction of 17 No. 33/11 kV Sub-stations, augmentation of 14 No. of existing 33/11 kV Sub-stations, Construction/Upgradation of 33 kV and 11 kV lines are envisaged. 2 new Sub-stations has been commissioned and works in another 12 Sub-stations are in progress. Augmentation of 10 Sub-stations have so far been completed and the augmentation works for 4 No. Sub-stations are in progress.

Under RIDF-VIII Project – Construction of 47 No. of new Sub-stations with associated 33 kV lines, augmentation of 44 No. Sub-stations, Construction/Upgradation of 33 kV and 11 kV lines was sanctioned involving an amount of Rs. 179.49 crore. Out of 47 Sub-stations, 8 of Sub-stations have been transferred to RGGVY scheme. Construction of 7 new Sub-stations and augmentation of 16 Sub-stations have been completed. The works of 21 new Sub-stations and augmentation of 19 Sub-stations are in progress along with 33 kV and 11 kV lines.

ANNEXURE-I

ELECTRIFICATION STATUS AS ON 31.03.2005 (WBSEB PORTION)

Sl. No.	District	Total Nos. of Mouza inhabited As per 1991 Census	Total Nos. of Mouza Electrified		Total Nos. of Mouza intensified			
			As on 31.03.2004	During 2004-2005	As on 31.03.2005	As on 31.03.2004	During 2004-2005	As on 31.03.2005
1	2	3	4	5	6	7	8	9
1.	24-Parganas(S)	2119	1808	6	1814	848	138	986
2.	24-Parganas(N)	1599	1506		1506	443	46	489
3.	Howrah	734	734		734	924	122	1046
4.	Hooghly	1897	1897		1897	677	46	723
5.	Burdwan	2488	2380	26	2406	787	136	923
6.	Birbhum	2232	2217	1	2218	661	101	762
7.	Midnapur(E)	2976	1780	17	1797	1230	224	1454
8.	Midnapur(W)	7498	3826		3826	543	92	635
9.	Bankura	3565	2496	24	2520	618	28	646
10.	Purulia	2456	1582	4	1586	349	46	395
11.	Nadia	1248	1248		1248	453	38	585
12.	Murshidabad	1918	1794		1794	621	38	659
13.	Malda	1641	1597		1597	533	30	563
14.	D. Dinajpur	1534	1155		1155	172	20	192
15.	U. Dinajpur	1511	1250	18	1268	150	101	251
16.	Jalpaiguri	734	732		732	331	68	399
17.	Coochbehar	1140	1121		1121	227	57	284
18.	Darjeeling	620	539		539	214	18	232
	Total	37910	29662	96	29758	9781	1443	11224



ANNEXURE - II

ELECTRIFICATION STATUS AS ON 31.03.2005 ELECTRIFIED BY WBSEB, WBREDC & WBREDA (INCLUDES MOUZAS)

Sl. No.	Name of the District	Total Nos. of Rural Mouzas (1991 Census)	Nos. of Uninhabited Mouzas	Nos. of Inhabited Mouzas	Nos. of Electrified Inhabited Mouzas as on 31.03.2005	Nos. of Electrified U.I. Mouzas	Total Nos. of Electrified Mouzas	Nos. of Virgin Inhb. Mouzas as on 31.03.2005
1	2	3	4	5 = 3 - 4	6	7	8 = 6 + 7	9 = 5 - 6
1	24-Parganas (S)	2167	48	2119	1989	3	1992	130
2.	24-Parganas (N)	1612	13	1599	1548	0	1548	51
3.	Howrah	744	7	734	734	0	734	0
4.	Hooghly	1922	25	1897	1897	0	1897	0
5.	Burdwan	2588	100	2488	2443	0	2443	45
6.	Birbhum	2466	234	2232	2222	9	2231	10
7.	East Midnapur	3066	90	2976	2047	1	2048	929
8.	West Midnapur	8688	1190	7498	4861	24	4885	2637
9.	Bankura	3824	259	3565	2821	9	2830	744
10.	Purulia	2685	229	2456	1846	3	1849	610
11.	Nadia	1343	95	1248	1248	0	1248	0
12.	Murshidabad	2220	302	1918	1834	8	1842	084
13.	Malda	1802	161	1641	1599	13	1612	42
14.	Dakshin Dinajpur	1599	65	1534	1244	3	1247	290
15.	Uttar Dinajpur	1540	29	1511	1346	0	1346	165
16.	Jalpaiguri	753	19	734	731	7	738	3
17.	Coochbehar	1168	28	1140	1120	4	1124	20
18	Darjeeling	710	90	620	527	30	557	93
Achieved by WBREDA through NCES					133	-	133	
Total		40894	2984	37910	32190	114	32303	5720

ANNEXURE-III

ENERGISATION STATUS OF PUMP SETS AS ON 31.03.2005

Sl. No.	District	Pump Sets energised as on 31.03.2004 Total	Pump sets energised during 2004-2005				Total No. of pump sets energised as on 31.03.2005			
			STW	DTW	RLI	Total	STW	DTW	RLI	Total
1	2	3	4	5	6	7	8	9	10	11
1.	24-Parganas(S)	237		4		4	168	52	21	241
2.	24-Parganas(N)	13026	30	3		330	12652	334	73	13059
3.	Howrah	672	12	22	3	370	433	221	55	709
4.	Hooghly	10010		5		5	8747	1042	226	10015
5.	Burdwan	14118	174	3		177	13478	631	186	14295
6.	Birbhum	6943	59	2	1	62	6793	122	90	7005
7.	Midnapur	10543	10	14		23	9880	546	141	10567
8.	Bankura	3609				6	3313	180	116	3609
9.	Purulia	24				0	6	0	18	24
10.	Nadia	22805				0	21620	944	241	22805
11.	Murshidabad	15740				6	14786	631	323	15740
12.	Malda	4627				0	4204	291	132	4627
13.	D. Dinajpur	2485				0	2335	131	19	2485
14.	U. Dinajpur	2433				0	2248	158	27	2433
15.	Jalpaiguri	2040				0	1976	40	24	2040
16.	Coochbehar	2137				0	2048	51	38	2137
17.	Darjeeling	264				0	256	1	7	264
	Total	111713	285	53	4	342	104943	5375	1737	112055

ANNEXURE-IV

DISTRICT WISE ACHIEVEMENT OF SERVICE CONNECTION UNDER KUTIRJYOTI – LOKDEEP PROGRAMME

Sl.	Name of District	Total Achievement upto 31.03.2005
1.	24-Parganas (South)	1255
2.	24-Parganas (North)	2525
3.	Howrah	1280
4.	Hooghly	59046
5.	Burdwan	4454
6.	Birbhum	9154
7.	Midnapur	7130
8.	Bankura	7941
9.	Purulia	4728
10.	Nadia	1543
11.	Murshidabad	9691
12.	Malda	8210
13.	Dakshin Dinajpur	1684
14.	Uttar Dinajpur	–
15.	Jalpaiguri	4806
16.	Coochbehar	3548
17.	Darjeeling	1936
		128931

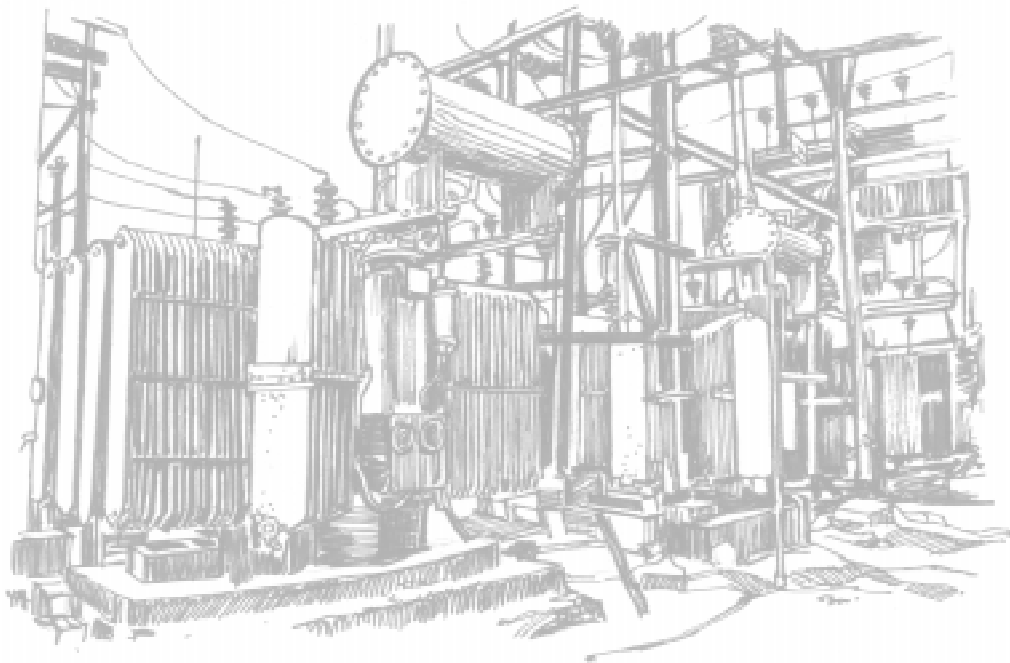
ANNEXURE - V

SYNOPSIS OF VIRGIN MOUZA ELECTRIFICATION WORK UNDER AREP (RGGVY)

Sl. No.	Name of the District	No. of Virgin Mouzas proposed	No. of Virgin Mouzas sanctioned	Financial approval of REC	No. of households proposed to be connected
1	2	3	4	5	6
1	Purulia	475	467	47.1077	9088
2	Bankura	458	451	34.0367	12114
3	East Midnapur	808	807	77.7144	34069
4	West Midnapur (Kharagpur only)	225	225	20.2992	6452
5	West Midnapur (Rest)	1964	1876	165.557	65044
6	Uttar Dinajpur	83	80	7.677	4363
7	Dakshin Dinajpur	183	185	15.452	7361
8	Murshidabad	32	32	2.27	566
9	Burdwan	6	6	0.9966	489
10	Birbhum	7	7	0.9966	489
11	24 Parganas (South)	82	82	8.49	2899
12	24 Parganas (North)	51	51	4.345	3195
13	Malda	11	11	0.79	223
14	Darjeeling	3	3	0.2981	115
15	Jalpaiguri	1	0	Not yet sanctioned	85
16	Coochbehar	5	0	Not yet sanctioned	144
	Total :	4394	4283	385.0337	146207

ANNEXURE-VI

1. No. of existing 8 M P.C.C. pole casting centres : 31
2. No. of existing 9 M P.C.C. pole casting centres : 8
3. **Poles production and testing for WBSEB during 2004-05**
 - a) 8 Mtr. P.C.C. pole :
 - i) Production : 1,17,203 Nos.
 - ii) Test : 1,09,667 Nos. (including poles of previous years)
 - b) 9 Mtr. P.C.C. pole :
 - i) Production : 18,493 Nos.
 - ii) Testing : 14,559 Nos. (including pole of previous year)
4. **Poles ordered for production by WBREDC etc. & tested by WBSEB during 2004-05**
 - a) 8 Mtr. P.C.C. pole :
 - i) Production : 35,240 Nos.
 - ii) Testing : 47,468 Nos. (including poles of previous years)
 - b) 9 Mtr. P.C.C. pole :
 - i) Production : 5,612 Nos.
 - ii) Testing : 4,441 Nos. (including poles of previous years)



MONITORING CELL

Central Monitoring & Information Cell is headed by a Chief Engineer.

Monitoring Cell analyses performance of Generating plants, documentation of progress of works of the different projects undertaken by WBSEB to bring out monthly report on progress of the projects and achievement of generating plants for information to state power department while Monitoring report of Hydel Plants and Progress of Power Projects are submitted to Central Electricity Authority every month. Besides complying with submission of report on different issues of power sector as required by the Ministry of Power, Govt. of West Bengal, Govt. of India and Audit Department, Monitoring Cell prepares answer to different queries of Assembly / Parliament.

Chief Engineer (Corp.) is the Principal Grievance Redressal Officer as such he has to interact as tier - III Public Grievance Redressal Officer.

INFORMATION CELL

Information Cell is active round the clock to carry out the following job –

- ◆ Collection of data on performance of generating plants, outage of Transmission line and messages from Central Load Despatch distribution system, feeder line outage data are collected from the different sites under Distribution Wing, besides maintaining communication link with other offices. P&T Telephones are utilised for this purpose.
- ◆ Communicating daily system data, Distribution line and Transmission line outage report to concerned departments of the Board, inter and intra office exchange of messages are the major activities, besides submission of monthly generation report to C.E.A., New Delhi. Computer is utilised for data processing.
- ◆ Hydel plants in North Bengal are linked with Information Cell by means of H.F. communication set for transmitting messages only during office hours.
- ◆ Information & Reporting Cell at N.S. Buildings. collect different data from C.L.D / Information Cell (Vidyut Bhavan) for onward transmission to Power department at N.S. Buildings., as a day to day job.

BOARD CELL

The Board Cell is headed by an officer in the rank of Dy. General Manager (P&A) and works under the overall Supervision of the Addl. Secretary.

During the year under review 11 (eleven) nos. of Board Meetings were held wherein 204 items of Agenda were discussed. As a matter of follow up actions of decisions taken at those Board Meetings 26 Office Orders & 2 Circulars were issued for implementation of the decision taken by the Board. Besides, Board Cell also issued 27 Office Orders and 18 Circulars on different issues during the year.

During the year, total 36 Assembly Questions and 26 Assembly Matters were received, out of which 36 Assembly Questions and 18 Assembly Matters have been suitably replied. Similarly, total 14 Lok Sabha/Rajya Sabha Questions were received out of which 13 of them had been replied timely.

Reports on various matters, like Economic Review, Budget speech for The Governor & The Power Minister, Subject Committee, Reply to Cut motion, Queries on Assurance Committee were submitted to the State Government in due time.

Performance Appraisal Reports of 2,495 Officers are maintained at Board Cell properly. Evaluation reports of PAR are sent to the different authorities as per requisitions for granting Senior Scale of Pay/Promotion etc. PIS package is being updated regularly with inclusion of evaluated grade point of PARs against each individual.

In addition to above, Board Cell received two complaints/grievances during the year through the M.I.C., Power, Government of West Bengal and the Chairman, WBSEB which were suitably enquired by the Site Officers and then suitably replied to the said authorities for information and record.

Board Cell is also dealing with the matters of allotment of accommodation at L.A. Block residential quarters. During the year, 14 nos. of accommodation had been allotted to the different categories of employees of the Board.

Finally, this Cell has taken initiative to publish one printed book containing the Orders & Circulars relating to revenue from April 2000 to March 2004 which will be distributed to the different offices of WBSEB as a ready reference. This Cell also took active part in publication of Corporate Plan 2004-05.

R.M.R, CELL

The Cell is headed by an Officer in the rank of Additional General Manager (P&A) and works under the overall supervision of the Additional Secretary. A total number of 89 enquiry reports were submitted this year involving 98 persons covering outsiders, Board's employees and contractor's workers. Last year 84 reports were submitted. Distribution / Transmission Circlewise reports are shown below:

DISTRIBUTION

ZONE	Total (Nos.)
Siliguri	
Jalpaiguri Circle	05
Darjeeling Circle	07
	12
Berhampore	
Nadia Circle	13
Murshidabad Circle	06
	19
Kolkata	
24-Parganas North Circle	11
24-Parganas South Circle	04
Hooghly Circle	13
Howrah Circle	03
	31
ZONE	Total (Nos.)
Burdwan	
Burdwan Circle	04
Birbhum Circle	01
	05
Midnapore	
Bankura Circle	08
Purulia Circle	04
Midnapur Circle	02
Tamluk Circle	01
	15
Transmission Circle	
Calcutta Circle	03
Durgapur Circle	01
Howrah Circle	01
Midnapur Circle	01
Siliguri Circle	01
	07
Total	89
Distribution – 82 Nos.	
Transmission – 07 Nos.	

PERSONNEL PLANNING CELL

The Corporate Personnel Planning Cell is responsible to keep complete account of total manpower in the organisation. The primary duty of the department is to maintain full data base of all sections, cadre and class of employees of WBSEB. Apart from bio-data, the department is also responsible for maintenance of gradation list of employees and officers of all categories and streams.

The Management Information System on different issues pertaining to manpower is also furnished from the department. Department is headed by one Sr. Manager (P&A) under direct supervision and guidance of Additional Secretary, having 16 non-technical employees and 1 technical employees of different categories who actively participate in different levels of generation of data on manpower. Another area of activity of this Cell, is related to creation of different offices, units, on examination of the proposal and creation of different manpower set-up to run those units.

After implementation of APS under the WBSEB, one major functional area has been developed in the Cell related to finalisation of eligibility list for promotion of the employees of all categories and streams for class-II, class-III & class-IV categories in all offices of the Board. Eligibility list for more than 13,000 employees have been developed during the period and referred to Standing Selection Committee-I & II for their further action to consider their suitability. The Cell is supported by one 'HCL METEOR Server' for supporting 'FOXPRO System' in six nos. of terminals. The entire database of more than 40,000 employees including retired employees, are maintained through the system. There are also 6 number of stand alone PCs to support the system to maintain database on various areas of activities including gradation list.

Activity-wise description of the performance made by the Cell during 2004-2005 is also appended below :-

- 1) Generation of data on availability of manpower of all level vis-à-vis vacancy, against sanctioned post on the basis of the Establishment Return submitted by the different field units of the Board as on 31.10.2004.

Details of Man Power as on 31.03.2005

Non-Tech	Manpower	Tech	Manpower
Class-1	268	Class-1	1183
Class-2	584	Class-2	1157
Class-3	7154	Class-3	8203
Class-4	2081	Class-4	8470
Total Non-Tech	10087	Total Tech	19013
Total Non-Tech & Tech = 10087 + 19013 = 29100			

- 2) Total 39 office orders issued from this cell during 2004-2005 on creation of new units/offices/ recognition :
 - a) Creation of 2 new Gr.E/S. offices
 - b) Re-organisation of Transmission Project wing of the Board
 - c) Creation of Arambagh Tr. Circle with its staff set-up
 - d) Bifurcation of Barasat (D) Division and creation of Basirhat (D) Division
 - e) Abolition of Dist. Store set-up
 - f) Restructuring and creation of Rural Electrification wing under WBSEB
 - g) Abolition of ESSD under Kolkata, Berhampur, Midnapur (D) Zone

- h) Revised staff set-up of newly created Howrah (D) Division-I & II, Baruipur & Garia (D) Division
 - i) Creation of Security & Loss Prevention Unit with its staff set-up at all Dist. Circles
 - j) Creation of C.K.Rd.Tr. (O&M), Birshingha Tr. (O&M) Sub-division and Birshingha 132 kv Sub-station with its staff set-up
 - k) Creation of Munshirhat, Deulberia, Lodhan 33/11 kv Sub-station with its staff set-up
 - l) Creation of Public Participation cell with its staff set-up
 - m) Creation of camp office under RE wing with its staff set-up
 - n) Retention of few stores under Dist. wing
 - o) Formation of Selection Board-I & II under SSC-II for quick disposal of interim cases under APS
 - p) Abolition of Thermal Generation Head Qr.
 - q) Change of controlling unit of Jangipara Tr. (O&M) Sub-divn., Jangipara 132 kv Sub-station, Mahinagar, Uttarbhag, Sajirhat 33/11 kv Sub-station Teestabazar, Mangpoo, Kalimpong Gr. E/S, Siliguri, Kasba, Haldia Gas Turbine
3. 117 nos. of option for better career prospect accepted in terms of clause no. 9 of office order no. P-125 dt. 21.06.02 and 2200 nos. of option are under process
 4. List of employees prepared for retired, expired, vol. retirement, resignation, termination for about 2038 employees during the year 2004-2005 on quarterly basis
 5. Determination of eligibility criteria in connection with benefit under APS to all classes and categories of employees during the year 2004-2005, Eligibility lists of 13265 nos. of employees have been prepared and determination of eligibility of 3400 nos. of employees are under process
 6. Publication of list of employees to be retired in the year 2005 in WBSEB
 7. Up-dating of bio-data / Service particulars of all section of employees at regular intervals
 8. Interaction with different section of employees and representatives of the different unions and associations on various issues regularly to remove grievances of the employees
 9. Regular / periodic furnishing of information to various State / Union Govt. organisation on manpower of WBSEB
 10. Periodic submission of statutory data on SC/ST employees / other matters on various authorities / Directorate of Employment Exchange
 11. Forecasting of vacancy for new recruitment and allowing promotion other than APS in different levels
 12. Supply of bio-data to different departments for transfer and other purpose to IR, MR & Vigilance Cell
 13. Generation of data on manpower position at different site offices against sanctioned strength
 14. Determination of data of effect of promotion of clas-I/II officers under APS
 15. Full support is given to Pension Cell for preparation of lists of employees for submission to LIC for finalisation of claims of Group Insurance under WBSEB

T.Q.M. CELL

The Cell is headed by an officer in the rank of Addl. General Manager (P&A) and it works under the overall supervision of the Addl. Secretary.

The Quality Circles so formed (i) during the session in presence of JBIC – SAPI Team and (ii) on our own effort by organizing departmental training have been continuing their functions on respective Quality Circles.

One of such Quality Circles received “Award of Merit” in the chapter convention on Quality Circles, 2004 organised by the Quality Circle Forum of India, Kolkata Chapter on 24.09.2004 at Hotel Taj Bengal.

For encompassing some more activities in the purview of Total Quality Management, the Board appointed three consultants in the middle of 2004 for forming 36 Quality Circles in Siliguri, Midnapur, Burdwan and Berhampore (D) Zone. All the Quality Circles, under the supervision of the consultants are functioning well. Quality Circles so formed under Siliguri, Midnapur and Burdwan (D) Zones made notable presentation in the Zonal conventions on 1st March, 15th March and 26 April, 2005 at Siliguri, Midnapur and Burdwan respectively. The presentation programme of other 2 (two) Zones viz. Berhampore and Kolkata will be held in May, 2005. There will be a Corporate convention where the toppers of the Quality Circles pertaining to the 5 (five) Zones will make their presentation which is likely to be held by the month of June, 2005.

70 (Seventy) nos. of Quality Control Circles have so far been functioning at different units under Distribution Wing having about 560 nos. of trained seeds to continue the show. Many more Quality Control Circles are under the pipe line. Quality Control Circle under Hydel and Transmission Wing will be formed very shortly.

MANAGEMENT RELATIONS CELL

The Cell is headed by an officer in the rank of Dy. General Manager (P&A) and functions under the overall supervision of the Member – Secretary.

Main functions of M.R. Cell are as follows :

- ◆ To take appropriate action related to works prior to appointment of the empanelled candidates i.e. medical examination, opening of personal file, collection of V.R. Forms and transmission to the appropriate place for verification of character and antecedent.
- ◆ Sort out vacancy position.
- ◆ Issue of the appointment order of the empanelled candidates for outsiders.
- ◆ Issue of promotion order in favour of the departmental candidates.
- ◆ Issue of probationary / confirmation orders / Superannuation notices.
- ◆ Issue of Sr. Scale / C.A.S / A.P.S orders.
- ◆ Issue of transfer orders and its cancellation / modification as per desire of the higher management, if necessary.
- ◆ Preparation of the Bio-Data of the Officers.
- ◆ Issue of the order pertaining to Charge Allowance in favour of the Officers, holding Addl. / higher charge.
- ◆ To dispose of the matter relating to pay guard / pay protection / step-up.
- ◆ Issue of NDC for passport / Visa / outside employment though forwarding of application to other organizations as well as for continuation of higher study.
- ◆ To maintain records of leave of the Officers (Corp. Office) as well as issue of the orders of the same when required.
- ◆ Towards process and issue of final acceptance of release order / N.D.C / terminal benefits of those officers who have / had resigned / retired voluntarily or on superannuation.
- ◆ Order for placement of officers on deputation service to other organization as well as in our department.

- ◆ Orders allowing officers on lien as per instruction of the authority are to be issued at times.
- ◆ Issue of orders relating to administrative measures against a delinquent officer as and when decided by the competent authority.
- ◆ Proper maintenance of records of the retired personnel who had left the Board's service on superannuation or on the ground of submission of resignation / V.R.S in order to give a suitable reply to the authority for any kind of information of the above officers concerned as and when so called for.
- ◆ Determination / re-determination of seniority.
- ◆ Regularisation of different matters after suspension / re-instatement.
- ◆ Regularisation of different matters relating to pay, increment etc.
- ◆ Disciplinary proceedings and allied matters.
- ◆ Preparation of papers and furnishing information, documents for defending Board's interest in different officer's related court case, at High Court and different forum.
- ◆ To dispose of the matters related to voluntary retirement as well as settlement of terminal benefit in respect of the officers.
- ◆ Processing the case of officers on deputation in Foreign Service / other department / organization and establishment work of those officer.
- ◆ Policy related issues of personal matters, suggestion / commendation.

Performance for the period from 01.04.04 to 31.03.05

Sl. No.	Item of Activity	No. of Office Orders	No. of Officials involved
1.	Appointment	11	28
2.	Opening of personal File	65	65
3.	Probationary Order	79	79
4.	Confirmation Order	25	25
5.	Grant of Sr. Scale	8	137
6.	C.A.S	0	0
7.	Transfer	166	478
8.	Promotion order	105	505
9.	Foreign Tour / Training Programme	8	8
10.	Charge Allowance / Addl. Charge	34	34
11.	Resignation	09	09
12.	Deputation (Extension) Placement, Re-patriation	10	10
13.	Release Order	27	27
14.	Voluntary Retirement	27	27
15.	Leave Encashment	31	31
16.	No-Demand Certificate	58	58
17.	Modification order / Change of Surname / Address	15	15
18.	Circulation of Joining Reports	57	57
19.	General Circular	07	07
20.	Receipts and issue	2280/1809	
21.	Notice of Superannuation	110	110
22.	Past service counting	04	04
23.	Study Leave	01	01
24.	Termination of Appointment	01	01
25.	NOC for Indian Passport	30	30
26.	NOC for Outside Employment	36	36

CORPORATE PERSONNEL CELL

The Cell is headed by an officer in the rank of General Manager (P&A) and works under the overall supervision of the Member-Secretary.

The major activities of the Corporate Personnel Cell during the period 2004-2005 are enumerated below:

EMPLOYEES WELFARE :

- ◆ A total sum of Rs. 32,33,000/- has been sanctioned as advance on account of medical treatment of 157 Board's employees and their dependants during the period.
- ◆ Approval of total Rs. 88,53,894.04 has also been granted after examination towards medical reimbursement for medical treatment of self and dependants of Board employees. The total number of medical reimbursement cases processed during that period was 1571 nos.
- ◆ A total amount of Rs. 32,000/- has been sanctioned as ex-gratia payment to the 32 nos. of deceased families of Board's employees during the period from 1.4.2004 to 31.3.2005.
- ◆ A good number of cases relating to staff quarters, employee grievances were also resolved during the period under review.
- ◆ Since the competent authority decided to encourage by giving awards to the meritorious sons and daughters of Board's employees, who secured commendable results in Madhyamik-ICSE-CBSE-Higher Secondary Examination, Corp. Personnel Deptt. with the help of others implemented the generous decision of the Board and total 65 such students were felicitated during the period under review.
- ◆ During the period, 411 number of cases of LTC & 23 number of cases of HTC were processed and disposed of.
- ◆ For the purpose of performing various recreational activities grants of varying amounts, granted to different Recreation Clubs of the Board including Vidyut Bhavan Recreation Club.
- ◆ To run and upkeep the Holiday Homes of the Board at various places as well as organize athletic meets, football / cricket tournaments and other activities through Sports & Cultural Council, an amount of Rs. 19,89,473/- only has been sanctioned by the Board for this purpose during this financial year.
- ◆ Processed all the matters related to Vidyut Bhavan Canteen.

ADMINISTRATIVE FUNCTIONS :

- ◆ Total 61 proposals for grant of charge allowance, honorarium, performance reward etc. have been examined and out of which 40 of them have been disposed of. The remaining cases are under process for disposal.
- ◆ Proposals for grants of overtime allowance beyond the ceiling limit have examined, processed and disposed of.
- ◆ Cases involving administrative problem, complaints against Board's employees, manifold grievances of employees and representation by unions / associations were dealt with by this cell exclusively during the said period.
- ◆ To regularly examine the various cases related to different policy matters and help the Board Management to arrive at a right decision.

PERSONAL INFORMATION SYSTEM (PIS) :

- ◆ Personal Information System (PIS) Package has been completed in the WBSEB as a whole with the help of vigorous monitoring and interaction by the Corporate Personnel Department with the different offices / establishments. Action Plan for development of this package has also been chalked out by this Cell.
- ◆ Different suggestion to the management for improving of working and modalities of A.P.S. has also been initiated and placed as and when required.

LEGAL MATTERS :

- ◆ 35 number of Court cases, pending before the West Bengal Industrial Tribunal, Commissioner, Workmen's Compensation, Payment of Wages Act Court, High Court, Labour Commissioner were monitored from time to time for the interest of the Board.

ENFORCEMENT OF LABOUR LAWS :

- ◆ To monitor and pursue for strict compliance of the various labour laws & rules thereof by the site offices and to attend various conciliation proceedings before the Labour Department, Govt. of West Bengal and other Forum, in connection with the grievances of the contractors' labours.

INDUSTRIAL RELATIONS :

- ◆ To take subsequent follow-up action in line with the decision of the different Joint Management Council Meetings at Tier-I & II as well as organise the Apex Level Joint Management Council Meeting at Vidyut Bhavan. Taking subsequent follow up action in line with the decision of the Corporate Level Joint Management Council Meetings.
- ◆ Matters relating to union representatives were also resolved during the period under review.
- ◆ Arranged different meetings with the different Unions and Associations for healthy Industrial Relations regularly.

CUSTOMERS' SERVICE :

- ◆ Cases relating to different customer grievances in respect of the Board's employees were also examined and disposed of during the period under review.

DISCIPLINARY PROCEEDINGS :

- ◆ Monitoring of disciplinary cases and giving professional support to the site offices, excepting the cases of Corporate Vigilance Cell.
- ◆ During the period 2004-2005, 12 number of cases relating to disciplinary proceeding like show cause, letter of explanation, charge sheet, suspension, final order, letter of warning, letter of advice etc. have been processed and or disposed of by the Corporate Personnel Cell.

Total number of disciplinary cases processed	: 12 Nos.
Total number of disciplinary cases disposed of	: 10 Nos.
Pending disciplinary cases	: 02 Nos.

Nature of punishment	Number
Termination / Dismissal / Removal	–
Withholding of increments / Reduction of pay	03
Demotion	01
Forfeiture of 100% Gratuity / withholding of 25% of Pension	–
Warning / Caution / Letter of Advice / Letter of Exonerated	04
Censure	02
Total Number of Disciplinary Cases Disposed of	10

SAFETY MANAGEMENT :

- ◆ Monitoring of different activities / programmes taken by the Corporate Safety Department under direct control of General Manager (P&A). To render logistic support to the Corporate Safety Department to arrange different training programme / Seminar / Workshop from time to time as well as printing and publication of Safety Manual.

TRAINING PROGRAMME :

- ◆ To arrange training programme for the Executives under the Personnel & Administration Wing with the help of Human Resource Department.

STANDING SELECTION COMMITTEE – I

The cell is headed by the Chairman WBSEB. It performed the following activities during 2004-05.

- ◆ Collecting actual vacancy position for selection to the different Class-I (Tech. & Non-Technical) and Class-II (Non-Technical) posts
- ◆ Fixing up dates of interview and written test
- ◆ Constituting Special Selection Committee
- ◆ Serving Interview letter to the eligible candidates
- ◆ Collection of Performance Appraisal Reports of the interviewees and necessary evaluation thereof
- ◆ Preparation of Bio-data and Score Sheets for interview
- ◆ Arranging interview after observing necessary formalities
- ◆ Finalisation and preparation of panels
- ◆ Maintenance of Performance Appraisal Reports of the Class-III Staff attached to Corporate Office
- ◆ Processing of application against advertisement for recruitment of 150 nos. Asstt. Engineers (Uni-cadre/Civil) etc.

NORMAL INTERVIEW HELD IN THE YEAR 2004-2005

Class - I (Technical & Non-Technical) Officers

- a) No. of days of interview : 06 Days
- b) No. of candidates involved : 178 Nos.

Class - II to Class - I (Non-Technical) Officers

- a) No. of days of interview : 02 Days
- b) No. of candidates involved : 111 Nos.

INTERVIEW UNDER APS HELD IN THE YEAR 2004-2005

Class - I (Technical & Non-Technical) Officers

- a) No. of days of interview : 03 Days
- b) No. of candidates involved : 150 Nos.

Class - II to Class - I (Technical) Officers

- a) No. of days of interview : 02 Days
- b) No. of candidates involved : 49 Nos.

RECRUITMENT

- ◆ Processing of applications, issue of call letters, arrangement of interview for recruitment to the post of Special Officer (Security & Vigilance Special Officer (S & LP) on 2 (Two) days.
- ◆ Employment Notice issued in December '04 for recruitment of 150 Graduate Engineers. 1781 applications received and scrutinised.

STANDING SELECTION COMMITTEE – II

The Standing Selection Committee-II is headed by Chairman, SSC-II and works under the overall control of Additional Secretary, WBSEB.

Major activities of the Cell are

- A :
- (1) Recommendation of Panels for promotion under APS after conducting suitability tests both written and viva-voce to the higher posts up to the level of Class-II category of technical and non-technical streams.
 - (2) Matters relating to selection process for recruitment of both technical and non-technical Class-IV & Class-III employees.
 - (3) To deal with the court cases relating to recruitment and promotion.
 - (4) To give opinion in regard to any service dispute referred by the I.R. Cell and P.P. Cell from time to time after examining the relevant records.

B : (I) The performance of the SSC-II during the year 2004-2005 is as follows :

(a)	No. of employees belonging to non-technical Class-III 3rd level called for interview for promotion to Class-II post	= 849
(b)	No. of employees attended	= 650
(c)	No. of employees empanelled till date	= 497
(d)	No. of cases lying pending till date for want of marks of PAR/Attendance/other reasons	= 153
(e)	No. of employees remained absent	= 199
(II) (a)	No. of employees in the cadre of Class-IV and Class-III technical and Class-III non-technical (up to 2nd level) called for interview	= 12495
(b)	No. of employees attended the interview	= 9983
(c)	No. of employees empanelled till date	= 7173
(d)	No. of cases lying pending for want of marks of PAR/Attendance/Other reasons	= 2810
(e)	No. of employee remained absent	= 2512

C : Recruitment of Work Supervisor (Elect.) / (Civil) on Annual Contract Basis

As per Board's advertisement for recruitment of Work Supervisor (Electrical) and Work Supervisor (Civil) on annual contract basis this cell scrutinized about 3,600 Nos. of applications and found eligible 3290 Nos. for written test which stand referred to I.I.T., Kharagpur, for conducting written test.

HOUSE BUILDING LOAN SECTION

The HBL Deptt. is headed by Additional General Manager (P&A) HBL.

1. House building loan under tie up with SBI

Housing Loan under tie-up arrangement with SBI has been introduced for Board's Employees of all categories vide Circular no. 5/2004 dt. 22.04.04 of the Member-Secretary., WBSEB in terms of MoU signed on 30.03.04, being optional for Class IV employees. Board vide Circular no. 8/2004 dt. 16.06.04 of the Member-Secretary., WBSEB has taken the responsibilities of paying the insurance premium associated with every housing loan under tie-up arrangement.

Achievement

- | | | |
|-----|---|------------------------------|
| i) | No. of applications recommended to SBI as on 31.03.05 | : 93 |
| ii) | Amount involved as per applications | : Rs. 28,39,5130/- (Approx.) |

2. Departmental House Building Loan / Budget – 2 Crores (For Class IV employees of the Board)

A. Section of Loans

- i) Land purchase
- ii) House / Flat purchase loan
- iii) Construction of residential house
- iv) Addition / alteration of the constructed house
- v) Repairing loan of the house

B. Release Order

Release orders are issued from this Deptt. to release the loan money by the respective accounting unit against sanction order.

C. Second Charge Mortgage

2nd Charge Mortgage permission is accorded from this wing in case of obtaining H.B.Loan from outside agency like Banks/HDFC in addition to departmental H.B.Loan.

D. Loan from outside agency

The Board's employees who intend to avail housing loan from outside agencies and have not availed of deptt. H.B.Loan the formal permissions are routed through this deptt.

E. Reconveyance of Mortgaged Property

- i) Reconveyance of Registered mortgaged property through Registered Reconveyance Deed by the Board on complete repayment of H.B.Loans of the Loanees as per verification of HBL recovery statements and final calculation by the Accounts Wing of the Estb. Corp. WBSEB.
- ii) Reconveyance of Equitable Mortgage as per verification of HBL recovery statements & final calculation by the Accounts wing of Estb. Corp. WBSEB.

F. Waiver of H.B.Loan for the Deceased Employees

Entire processing of waiver of H.B.Loan for the deceased employees of the Board with the concurrence of the competent authorities.

G. Issue of No Demand Certificate (NDC)

NDC is issued in respect of each Board's employee towards releasing terminal benefit.

Achievement

- | | | |
|-----|---|------|
| i) | No. of applications received for processing | : 81 |
| ii) | No. of applications processed | : 81 |

iii)	Amount involved	: Rs. 96,56,387/-
iv)	No. of waiver of H B Loan and interest on account of death in harness of loanee employees	: 34
v)	Amount involved	: Rs. 31,19,912/-
vi)	Reconveyance of properties after full recovery of H B Loans with accrued interest	: 205
vii)	No. of 2nd Charge on personal capacity	: 23
viii)	Permission accorded for purchase / sale of property / housing loan from outside on personal capacity	: 103
ix)	No. of NDC issued	: 2000

COMMON SERVICE BRANCH

The Cell is headed by an officer in the rank of Sr. Manager (P&A) and works under overall supervision of the Addl. Secretary.

The activities of the Corp. C.S.Branch are broadly as follows :

1. Printing :

Remarkable curtailment in printing of different types of proper assessment and application of commercial views in eliminating obsolete, old, unusable formats have enabled to reduce printing cost by 40 Lakh (approx.) for the financial year 2005-2006.

About 94 items against 275 in the last year have been taken into consideration for printing of Forms, Registers, Envelopes and Files for not only Corporate office but also all the offices / establishments and distribution of these printed items to all such offices throughout the state of West Bengal. Besides, printing of computerized pre-printed forms like Electric Bills, Pay Bills, Notice Forms etc. for all the offices of W.B.S.E.B. is undertaken by Corp.C.S.Branch. During the year 2004-2005, MOU has been signed with M/s. Hindustan Lever Ltd. for insertion of their advertisement captions in Energy Bill month wise. Due to modernization of concepts and activities, some old formats have been discarded for printing.

A four man committee has been constituted to check and maintain quality of printed materials.

2. Procurement of Computer :

This deptt. has been entrusted with procurement of computer and peripherals for modernization of Corporate Office. Co-ordination with EDP Cell and other departments for proper installation of computers and maintenance thereof have become an important function of this department.

3. Procurement of Stationary Articles :

Stationary wing deals procurement of stationary articles including liveries, cleaning materials, canteen utensils, computer stationary etc. and distribution of these items to different wings of Corporate Office. Some centralised items of stationery are distributed to all offices situated in and around Salt Lake. Computer consumables are also procured for the use of offices of Vidyut Bhavan and outside.

4. Management of Vehicle Pool :

Management of Pool of vehicles attached to Central Vehicle Pool including repairing of departmental vehicles, hiring of vehicles and allotment of vehicles to officers and staff for carrying out day to day work. Examination of proposals for repairing of vehicles of site offices also done by this office. Besides, transformation of non BS-II compliant vehicles to BS-II compliant vehicles is also being looked into by this office.

5. Maintenance of Electrical Installation and Lifts :

Maintenance of electrical Installation and supervision of the proper functioning of Lifts, A.C. Machines,

Inverters, D.G.Sets etc. at Vidyut Bhavan and Auditorium.

6. Maintenance of Telephones :

Maintenance and Repairing of 400 CDOT and TDBX Lines at Vidyut Bhavan. Processing of bills, correspondences and other allied work related to 120 nos. of P&T Lines of Telephone at Vidyut Bhavan and 30 residential telephones of Corporate High Officials. To shift to Auto Exchange from the manual exchange necessary process is going on and for the purpose an amount of Rs.16 Lakhs have been kept under provision in existing budget.

7. Sweeping and Cleaning of Vidyut Bhavan :

Supervision of sweeping and cleaning of entire Vidyut Bhavan including Auditorium. A weekly programme of cleaning of the various sections of Vidyut Bhavan is being undertaken at present. To maintain good hygiene, the garbage vat located at Vidyut Bhavan is being cleaned on Saturdays by a contractor of Salt Lake Municipality.

8. Central Receipt and Despatch :

Receipt and sorting of all Postal Letters (nearly 1300 letters per day) addressed to different offices at Vidyut Bhavan. All correspondences of the different wings of the Corporate Office with the outside offices are despatched everyday through the Central Despatch Section.

9. Purchase and Repair of Furniture and Office Equipment :

Purchase and repair and maintenance of office furniture like Almirahs, Tables, Chairs etc. and office equipment like Xerox Machines, Calculators, Type Writers, Franking Machine, Duplicating Machines, Weighing Machines etc. as required for the different wings of Corporate Office. Besides, the purchase orders on above for the outside offices are also processed at the Corp.C.S.Branch. Considering the financial exigency of the Board, we have been able to minimise the procurement of furniture by way of repairing old ones. Procurement of Computer Hardware for good number of offices has been carried out by this office.

10. Seminar / Conference Room and Auditorium :

Conference Room, Seminar Halls (No. 1 and 2) and Auditorium at Vidyut Bhavan are maintained by Corp.C.S.Branch. Recently the Existing Conference Room has been renovated and extended for greater accommodation. About 735 Sq.ft. Carpet area of the Conference Room will be available for important meeting / seminars / conference etc.

Practical training class for computer operation has been shifted to new venue at ground floor with more space for greater capacity.

11. Allotment and Maintenance of Guest Houses at LA-Block, Bidhan Nagar and Digha (Runswick House) :

All allotment and accommodation in the Guest House at LA-Block, Bidhan Nagar and Digha are done from Corp.C.S.Branch. Procurement of various materials for these Guest Houses, including Electrical Maintenance, also come under the responsibility of this office.

12. Procurement of Railway and Air Tickets :

Procurement of Railway and Air tickets for official journey by the Officers of the Corporate Office and other offices according to necessity.

13. Establishment activities :

- a) To process different staff matters, establishment records (for nearly 180 nos. of employees), matters related to hiring of premises for residential purpose of higher officials, payment of maintenance charges and others i.r.o. the Board's Flat at Karunamoyee Housing Estate, Bidhan Nagar and at Ellora Apartment, Kolkata and others related to the Establishment of Corp.C.S.Branch.
- b) Circulars regarding Annual Holidays and other Circulars issued from time to time from the Corporate Office are processed and despatched from Corp.C.S.Branch.
- c) To receive (100/150nos. per day) and issue (70/80 nos. per day) letters, Notesheets etc.

LEGAL CELL

The Corporate Legal Cell looks after the cases moved before the Hon'ble Supreme Court of India, High Court, Kolkata, City Civil Court at Kolkata, Debts Recovery Tribunals, Sales Tax Tribunals, State Consumer Redressal Forum, National Commission etc. Apart from providing necessary legal advice to the site officers as well as different wings/departments under the Board, this department is headed by the Ld. Legal Adviser, one Manager (P&A) 3 Asstt. Managers, two Jr. Managers, one Asstt. Law Officer and is assisted by a nucleus office.

The main area of activities of the Corporate Legal in Kolkata High Court is receiving copy of the writ petitions, engagement of lawyers from the Board's panel of Advocates, co-ordinating between the Advocates and Briefing Officer by arranging conference, communicating instructions to the Ld. Advocate and text of the order to site offices, obtaining/clarifications in respect of the order passed by the Hon'ble Court from our Ld. Advocates etc. During the period under review altogether 2260 writ applications were filed before the Hon'ble High Court, Kolkata. The category wise break up is given below :

Matters pertaining to centralised Bulk Consumers	:	26
Matters pertaining to de-centralised Bulk Consumers	:	40
Matters pertaining to M & LV Consumers	:	2129
Staff Matter	:	42
Miscellaneous matter	:	23
Total	:	2260

The amount of Revenue involved in the court on which favourable order from Court of Law could be obtained during the year under review is Rs. 2812.38 Lakh altogether and the number of cases disposed of by the Hon'ble Court is 604.

An amount of Rs. 77.45 lakh was incurred as fees and incidental costs claimed by the Conducting Advocate/ Arbitrator as per approved rates, during the period under review.

During the period under review, the total number of opinion matter disposed of by the Legal Cell was 850.

During the period under review the system of monitoring mechanism has been geared up and Legal Cell has taken special drive for disposal of long pending matters before the District Court where a considerable amount of Revenue is locked up. Ld. Legal Adviser visited all the Distribution Zones of WBSEB and held conferences with the site officers up to divisional level to monitor the follow up action suggested by him towards early disposal of pending court cases and particularly revenue related cases. The total number of such conferences held during the period was 20. Those meetings were attended by the staff and officers of the site offices upto Gr. E/S. level and also by the Ld. Advocates of all Districts and Sub-Divn. Courts. The Ld. Legal Adviser was actively assisted by the officers and staff of the Legal Cell during the visit.

A data base has been developed for pending revenue/non-revenue related court cases pending before the Hon'ble High Court, District Court and other forum for effective monitoring. The same has been updated regularly in every month for providing up to date information to higher authority of the Board.

LAND ACQUISITION

The Cell is headed by the OSD (Vigilance) and works under overall Control of Member – Secretary.

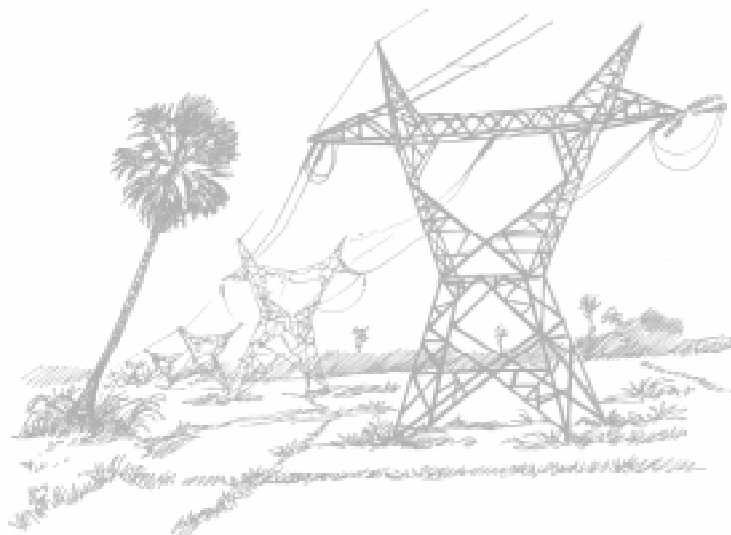
Proposal sent to Government of West Bengal for acquisition/transfer of land during the period (April '04 to March '05)

Sl. No.	District	Purpose	Area (in acre)
1.	North 24-Parganas	a) 33kv Sub-Station at Hakimpur	1.25
		b) 33kv Sub-Station at Maharani	1.51
			2.76
2.	South 24-Parganas	a) 33kv Sub-Station at Vasa under APDRP	0.87
			0.87
3.	Howrah	a) 33kv Sub-Station at Dhandali under RIDF-VIII	1.12
			1.12
4.	Midnapur (East)	a) 33kv Sub-Station. at Beraberia RIDF-VIII	0.40
		b) – do –	1.17
		c) 132kv Sub-Station at Haldia Ind. Zone	7.58
		d) 33kv Sub-Station at Banbishnupur	1.23
			10.38
5.	Burdwan	a) 33kv Sub-Station at Badrichak Kultora	1.51
			1.51
6.	Midnapur (West)	a) 33kv Sub-Station at Raghunathpur under RIDF-VIII	1.34
			1.34
7.	Murshidabad	a) 132kv Sub-Station at Lalgola under RIDF-VII	7.60
			7.60
8.	P.P.S.P.	a) PPSP link road	0.22
			0.22
9.	Bankura	a) 220kv Sub-Station Duli	0.16
			0.16
10.	Purulia	a) 132kv Sub-Station at Nandua under P.F.C.	8.00
			8.00
11.	Coochbehar	a) 33kv Sub-station at Bhogramguri	1.48
		b) 33kv Sub-Station at Purbajhawkuthi	1.66
		c) 33kv Sub-Station at Mekhliganj under APDRP (Phase-III)	1.345
			4.485
12.	Jalpaiguri	a) 33kv Sub-Station a Kharia under RIDF-VI	1.70
		b) Regional store	1.59
		c) 33kv Sub-Station at Radhabari BSF camp	1.50
		c) 33kv Sub-Station at Mega Industrial growth centre under APDRP (Phase-III)	1.67
			6.46
13.	Darjeeling	a) 33kv Sub-Station at Siliguri under APDRP Scheme	1.10
		b) Hakimpara gr.E/S.	0.143
			1.243
		Grand Total	46.148

**Possession of land received by the different authorities during the period
from April '04 to March '05**

Sl. No.	District	Purpose	Area (in acre)
1.	North 24-Parganas	a) 33kv Sub-Station at Hudarite	2.14
			2.14
		b) 132kv Sub-Station at New Town, Kolkata	8.30
		c) 33kv Sub-Station at New Town Rajarhat Rajarhat	2.00
		d) 33kv Sub-Station at New Town New Town	2.02
			12.32
2.	South 24-Parganas	a) 33kv Sub-Station at Bagariakhargachi at APDRP	1.67
		b) 33kv Sub-Station at Narayanpur under APDRP	1.83
		c) 33kv Sub-Station at Salpukur under RIDF-VII	1.65
			5.15
3.	Howrah	a) 33kv Sub-Station at Narikeldah	1.21
		b) 33kv Sub-Station at Mugkalyan under RIDF-VIII	1.10
		c) 33kv Sub-Station at Savarara under APDRP	2.05
		d) 33kv Sub-Station at Foodpark, Jaladhulagori, WBIDC	1.38
		e) 33kv Sub-Station at Sakharidaha APDRP	1.38
		f) 33kv Sub-Station Beulgram under APDRP	1.03
		g) 33kv Sub-Station at Sahaguri under RIDF-VIII	2.00
		h) 33kv Sub-Station at Mirjapur under APDRP	1.38
			11.91
4.	Hooghly	a) 33kv Sub-Station at Keota IIT	0.40
			0.40
5.	Burdwan	a) 33kv Sub-Station at Sasanga under RIDF-VI	1.81
			1.81
6.	Bankura	a) 33kv Sub-Station at Nimdanga RIDF-VIII	0.50
		b) 132kv Sub-Station at Sahebdihi under P.F.C.	3.57
		c) 132kv Sub-Station at Sahebdihi under P.F.C.	4.08
		d) 220kv Sub-Station at Deuli under RIDF-IX	12.431
		e) 220kv Sub-Station Dwarika under RIDF-IX	2.06
			22.641
7.	Purulia	a) 33kv Sub-Station at Monipur under RIDF-VIII	2.16
		b) 33kv Sub-Station at Laulara under RIDF-VII	2.355
			4.515
8.	P.P.S.P.	a) Clay core quarry at Bagmundi	5.80
		b) – do –	6.82
		c) – do –	6.67
		d) – do –	6.93
		e) Clay core quarry upper dam	9.22
			35.44

Sl. No.	District	Purpose	Area (in acre)
9.	Malda	a) 33kv Sub-Station at Dariapur	2.22
			2.22
10.	Midnapur (West)	a) 33kv Sub-Station at Murasol	1.69
		b) 33kv Sub-Station at Chilkagarh	1.39
		c) 33kv Sub-Station at Srirampur RIDF-VII	1.76
		d) 33kv Sub-Station at Madpur RIDF-VIII	1.48
		e) 33kv Sub-Station at Baramatkapur	2.065
		f) 33kv Sub-Station at Salpatra	1.81
			10.105
11.	Midnapur (East)	a) 33kv Sub-Station at Gopalnagar under RIDF-VIII	1.85
		b) 33kv Sub-Station at Janubasan under RIDF-VIII	0.14
		c) 33kv Sub-Station at Brindabanpur at RIDF-VIII	1.86
		d) 33kv Sub-Station at Baraberia under RIDF-VII	0.39
		e) 33kv Sub-Station at Banbishnpur APDRP (Phase-III)	1.23
			5.47
12.	Nadia	a) 33kv Sub-Station Gotera under RIDF-VIII	2.25
			2.25
13.	Jalpaiguri	a) 33kv Sub-Station at Kumargram under RIDF-VIII	1.63
			1.63
14.	Darjeeling	a) 33kv Sub-Station at Guri	1.70
			1.70
		Grand Total	119.791



PUBLIC RELATIONS DEPARTMENT

This department is headed by Chief Public Relations Officer under overall supervision of the Additional Secretary.

The major activities of P.R.Deptt. during 2004-05:

Publication of Board's In-house Monthly Journal "Vidyut Parshad Barta". Printing of Annual Report, Board's Calenders (Wall & Table), WBSEB Telephone Directory including its distribution to all offices of the Board and Government Department and other Power utilities. All Display and other Tender Notices in leading dailies, small advertisements in souvenirs, press rejoinders, press release, liaison with the WBERC in all matters relating to grievance handling and redressal, all matters relating to Study Visit of different WBLA Committees, compilation of materials for Budget Speech-Power Department, printing of WBSEB Corporate Plan and other materials like management's letter to employees and Press Meet, Leaflets etc. Besides, an I.T. based MIS Grievance Call Center by outside agency has been functioning with the approval of the management under supervision of the P.R.Department since November, 2004 in order to address the consumers and public as well properly both received through the Toll free no. 1600- 345-3000 and in writing at Corporate Office in all working days during 8 a.m. to 8 p.m.everyday excepting Sunday and Holidays. In the above process 389 nos. of consumers' grievance cases have been received out of which 272 nos. of grievances have been redressed. Achievement in this score has therefore arrived at nearly 70%.

Target and achievements (April 2004 to March 2005) :

1. Publication of Vidyut Parshad Barta up to date.
2. Annual Report 2003-04-published as per schedule in the month of September 2004.
3. WBSEB Telephone Directory 2005 — under process. Scheduled to be brought out by 31st. August 2004.
4. Printing of Board's Wall & Table Calendars 2004- brought out within 31.12.2003
5. Development Management Consultants, a consultant recommended by JBIC has been engaged since December 04 for developing communication process of WBSEB. Series of meetings, interactions have been held which are now under process.
6. Utilisation of Board's assets on commercial purposes for earning revenue.
 - (a) Electric Poles :— Yet to be finalized
 - (b) Hoarding :— Yet to be finalized
 - (c) Advertisement space of other Corporate House in WBSEB Energy bill.
 - (i) All Supply Offices have been instructed to realize rents from the local Cable Operators for using our electric poles-under process.
 - (ii) A committee has been constituted to fix up rates for renting our open available space(s) for display of hoarding in different WBSEB site offices/Sub-stations – the report of the committee is awaited.
 - (iii) Advertisement in energy bill : An agreement on this score has been made with M/s. Chandrani Pearls for incorporating their advertisement in energy bills raised by different urban Group Electric Supply of WBSEB. So far, we have earned Rs. 51,000/- in this regard

(iv) A committee has been constituted to fix up rates for renting our open available space(s) for display of hoarding in different WBSEB site offices/Sub-stations-the report of the committee is awaited

(v) Advertisement in energy bill :

Expenditure incurred during 2004 - 05 in following areas :

Printing of Vidyut Parshad Barta (2004 – 05)	Rs.	8,94,000/-
Printing of Annual Report (2004 – 05)	Rs.	1,23,200/-
Printing of Telephone Director 2004	Rs.	44,550/-
Printing of Table & Wall Calendar 2004	Rs.	1,51,150/-
Display Advertisement & Notification	Rs.	96,82,086/-
Press Tender Notice etc.	Rs.	1,57,17,282/-
Small Advertisement in Souvenir	Rs.	7,44,700/-
Hospitality	Rs.	8,35,000/-



MEDICAL

The department is headed by the Chief Medical Officer.

Medical Unit at Vidyut Bhavan has competent Medical Officers and paramedical staff to tackle emergencies and treat patients of Vidyut Bhavan itself and other employees of SEB from all over West Bengal.

The Medical unit at RHP has a well equipped Pathological Laboratory which is run by a qualified Lab. technician. It saves employees of RHP the trouble of having to travel to the plains for essential and routine pathological investigations. Part-time Medical Officer provides health care facilities to the employees at Fazi, Rinchington Hyd. Power Station, Kurseong G.C.D. Divn., Siliguri Power House Colony and NBU 132 KV Sub-Station.

In Kolkata at Balananda Brahmachari Hospital. 2 (two) beds have been reserved for the treatment of Board employees and their dependents. Suggestions have been moved to higher authorities to negotiate and reserve beds in another hospital around North Kolkata for a similar purpose.

For the Cancer patients among the employees and their dependents, Board has reserved one bed at the reputed Thakurpukur Cancer Hospital and keeping concerned about the employees of North Bengal, at Coochbehar Cancer Centre.

In addition to all Govt. Hospital/Clinics Board has approved treatment in a number of private hospitals where employees are entitled to full reimbursement.

- i) Marwari Relief Society, Rabindra Sarani, Kolkata
- ii) Matrimongal Pratisthan, Rabindra Sarani, Kolkata
- iii) R.K.Mission Seva Pratisthan, Sarat Bose Road, Kolkata
- iv) D.S.P. Hospital, Durgapur
- v) Rishra Seva Sadan
- vi) Ramkrishna Matri Bhavan Hospital, Sree Mohan Lane, Kolkata
- vii) S.V.S.Marawari Hospital, Raja Rammohan Sarani, Kolkata
- viii) Thakurpukur Cancer Centre and Welfare Home, Kolkata
- ix) Behala Balananda Bramhachari Hospital, Kolkata
- x) Coochbehar Regional Cancer Centre, Coochbehar

Activities of the Head-quarters Medical Unit

- ◆ Total No. of patients attended in OPD during the year — 35,000
- ◆ Hospital visits — 65
- ◆ Medical advances recommended — 110
- ◆ Amount of Medical advances — Rs. 44,12,000/- (Rupees Forty-four lakh twelve thousand only)
- ◆ Assessment of claims for reimbursement — 1284
- ◆ Total amount of reimbursement made — Rs. 95,68,194.98 (Rupees Ninety-five lakh sixtyeight thousand one hundred ninetyfour and paise ninetyeight only). These reimbursement amount excludes the amount assessed locally for treatment in Govt./approved hospitals of Board.
- ◆ Cardiac cases — 66 (Board's employee — 57, Dependent — 9)
- ◆ Employment injury — 32
- ◆ Eye Surgery — 98 (Board's employee — 74, Dependent — 24)
- ◆ Pacemaker Implantation — 8 (Board's employee — 7, Dependent — 1)
- ◆ Cancer cases — 28 (Board's employee — 20, Dependent — 8)
- ◆ Thallassaemia — 5 (Dependent — 5)
- ◆ Leukaemia — 2 (Board's employee — 1, Dependent — 1)
- ◆ Kidney Transplantation — 2 (Board's employee — 1, Dependent — 1)
- ◆ Tuberculosis — 1 (Dependent — 1)
- ◆ Workmen's Compensation given — 11
- ◆ Medical Board meeting — 23 (Medicine — 16, Orthopaedics — 7)

LIAISON OFFICE — NEW DELHI

The Liaison Office at New Delhi is headed by Resident Director in the rank of Dy. Chief Engineer working under direct control of Addl. Secretary. The Resident Director looks after the management of the Guest House attached to the office. The Guest House provides accommodation and food to the visiting officers from WBSEB, Govt. Deptts. and other allied organisations like WBPDC, WBREDC, DPL and also sometimes outsiders.

During the period under review Liaison Office discharged the following works

- ◆ Interacted with Ministry of Finance, Ministry of Power, Ministry of Environment & Forests, JBIC etc
- ◆ Co-ordinated with the Central Electricity Authority for the purpose of techno-economic clearance of the R&M works of various projects
- ◆ Co-ordinated in the matter of introduction of Transfer Procedure of Payments, Diversion of Forest Land etc. for the Purulia Pumped Storage Project
- ◆ Pursued the technical appraisal at Central Water Commission for the proposed Rammam Stage-III Project (3 x 20 MW)
- ◆ Attended hearings at Supreme Court, BIFR and AAIFR Benches etc.
- ◆ Co-ordinated with the Union Ministry of Power in the matters of nominating WBSEB Officers for foreign trainings.

SALT LAKE COMPLEX

The department is headed by an officer in the rank of Dy. Chief Engineer. It works under the overall control of the Member (Com. & HRD) and at present it is under the overall control of the Member (Transmission). During the year 2004-05 Salt Lake Complex Office executed repair/maintenance including addition/alteration of different works e.g. Main Administrative Building complex i.e. Vidyut Bhavan, DJ-Block, Salt Lake, Abhikshan Building at BN-Block, Salt Lake, 240 units Residential Complex at LA-Block with its Guest House at Salt Lake, Karunamoyee Housing Estate at Salt Lake, Residential Flats at Ellora Apartment at Gariahat, Gas Turbine Power Station at Kasba, CLD Building and related Residential Quarters at Howrah, CLD Building and entire Residential Complex in the premises of CLD Building, Residential Building Complex for Gas Turbine Unit at Haldia and also Board's Guest House at Digha along with Family Units and Dormitory Buildings of Digha Holiday Home. Further, daily maintenance of total air-conditioning arrangement at Abhikshan Building (106 Ton Capacity) and also at SATCOM Central Hub Control Room at Vidyut Bhavan for 65 Ton Capacity A.C. maintenance of Utility Room AC machine (Cap. 1.5 x 3 No.) and maintenance of AC machine of Chairman's Chamber, Electrical maintenance job at Abhikshan Building and at LA Block Residential Complex was also executed during the period under review.

Salt Lake Complex Office also completed construction of Research Workshop Building at BN-Block adjacent to Abhikshan Building as part of Hudco Financed Project. This office has recently completed the work for implementation of SLDC project on the 2nd floor of CLD Building, Howrah. The scope of work includes interior decoration, air-conditioning, electrical wiring, fire detection/fire fighting system with all allied civil works.

Further, this office is generating fund by way of collection of Licence Fees/Rentals from various Government Agencies who have taken accommodations at different flats at Board's Residential Complex at LA-Block and at Vidyut Bhavan. Total annual collection on such count is around Rs. 40 lakh.

In addition, in deference to the instruction of the Member (Operations) this office took up and completed civil and electrical work associated with installation of P.C. based Cash Counters at different Supply Offices of WBSEB viz. Diamond Harbour Gr.E/S, Rajpur E/S, Ashoknagar E/S, Hali Sahar E/S, Durgapur E/S, Asansol-I & II E/S, Rampurhat E/S, Kalna Gr. E/S, Kaliachalk Gr.E/S, Bagdogra Gr.E/S, Siliguri Power House Sector Office Gr.E/S.

SECURITY & VIGILANCE

A. Loss Prevention Activity

This cell is headed by an officer in the rank of Addl. Director General & Inspector General of Police.

In order to curb drainage of revenue through energy pilferage by tampering meters or bypassing metering system, seventeen nos. (S&LP) units were created during 2004-05 in addition to the existing (S&LP) Wing at Corporate HQ. These new units at Circle level have started functioning with one Engineer & one Special Officer (by term appointment from retired Dy. SPs) from the month of August 2004. This all out effort has created a tremendous impact.

As a result provisional pilferage bills could be raised to the extent of 23.11 Crores which exceeded the Budget Estimate of 20 Crores. The activities of S&LP Wing during the year 2004-05 has also made an impact on the revenue earnings of the Board as evident from the comparative table here under :-

Revenue Earning

April '03 to March '04	April '04 to March '05
3310.74 Crores	3695.54 Crores

The annual outturn for 2004-05 achieved by the (S&LP) Wing on this account is detailed in annexure "A".

B. Security Activity

The sprawling network of electric lines throughout the state including Extra High Tension, High & Low Tension lines have all along been the target of miscreants for theft and vandalism causing not only heavy loss of revenue to the Board but also at times seriously jeopardizing power supply in large areas. A major portion of HT and LT lines pass through difficult terrain and became inaccessible during monsoon, and to protect these lines with meagre WBSEB security staff is very difficult.

Therefore, WBSEB has depended on local police authorities. Some of the police stations are provided with vehicles and police stations organize R.G. parties, WBSEB pay the cost of R.G. parties.

Adviser (S&V) meets District Police officers and high level police of State to meet situation and take preventive measures. High level meeting in the corporate level in the presence of Director General of Police, West Bengal, Principal Secretary, Department of Power, West Bengal, Chairman, WBSEB, Adviser (S&V), Members and District Police Officers and WBSEB officers are held.

In District level also co-ordination meetings are held in the office of SP where Addl.SP, SDPO and Officer in charge of all Police Stations and WBSEB officers are present.

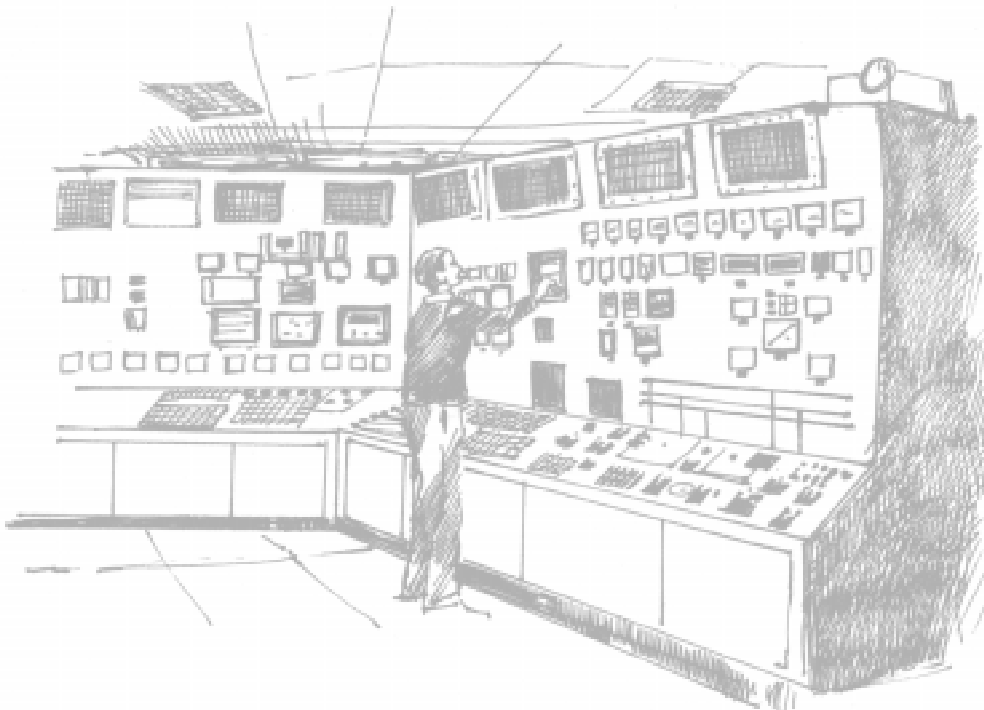
At present, WBSEB installations have become very much vulnerable to terrorist activities and thereby Ex-BSF/Ex-Army personnel from Gorkha Regiment are deployed.

WBSEB Security Department functions with different forces like WBSEB Security Staff, Police force, Ex-BSF/Ex-Army personnel, NVF/Home Guards, R.G. parties and private security agencies. All these different categories of forces are brought in one platform to frame WBSEB security force.

Theft of WBSEB's properties for the year 2004-2005 :

Sl. No.	Category	April '04 – March '05
1.	Transformer	
	a) No. of cases	29
	b) No. of Transformer	29
	c) Cost	Rs. 8,57,575.00
2.	Conductor	
	a) No. of cases	433
	b) Quantity	412562 Mts.
	c) Cost	Rs. 1,23,90,864.00
3.	Tower Member	
	a) No. of cases	280
	b) Pieces	7510 pcs + 131.95 M/T
	c) Cost	Rs. 53,80,772.00
4.	Other Materials	Rs. 26,55,648.00
5.	Total no. of cases	841
6.	TOTAL COST	RS. 2,12,84,859.00

See the Annexure in Page 73



ANNEXURE-A

ANNUAL OUTTURN OF (S&LP) WING DURING APRIL'04 – MARCH'05

Sl. No.	Name of S&LP Unit	Raids Conducted					Theft detected					FIR	Arrest	Pilfer Units	U.L.E (H.P.)	Claim (Rs.)	Realisation (Rs.)
		Bulk	Industrial	Com.	Dom.	Total	Bulk	Industrial	Com.	Dom.	Total						
1.	(N) 24-Pgs	0	440	1	0	441	0	52	0	0	52	52	34	1,172,756	1,742	12,146,955	3,224,227
2.	(S) 24-Pgs	0	246	2	0	248	0	36	0	0	36	36	30	819,276	327	5,876,163	1,266,044
3.	Bidhannagar	0	181	22	11	214	0	25	1	0	26	25	17	710,370	1,824	7,213,691	2,027,680
4.	Howrah	0	274	6	0	280	0	36	1	0	37	37	27	607,424	1,178	9,682,909	3,463,394
5.	Hooghly	0	262	0	0	262	0	44	0	0	44	44	17	730,421	244	9,054,452	2,181,124
6.	Burdwan	0	212	17	18	247	0	23	3	6	32	32	25	682,195	1,164	5,710,847	2,561,596
7.	Birbhum	0	235	13	3	251	0	32	0	2	34	32	15	1,193,470	1,346	8,868,097	1,533,420
8.	Midnapur	0	231	4	1	236	0	69	3	1	73	70	22	1,870,801	461	12,375,657	2,754,090
9.	Tamluk	0	89	19	10	118	0	45	13	7	65	67	57	1,130,209	99	9,185,102	2,829,201
10.	Bankura	0	166	2	2	170	0	50	0	2	52	64	48	1,407,169	492	12,187,538	2,832,980
11.	Purulia	0	206	8	0	214	0	19	0	0	19	17	6	642,150	255	3,470,111	1,963,162
12.	Nadia	0	274	0	4	278	0	115	0	3	118	118	91	1,663,012	241	22,064,195	5,599,326
13.	Murshidabad	0	308	0	0	308	0	49	0	0	49	48	20	1,601,129	0	8,787,648	3,312,983
14.	Malda	0	261	12	13	286	0	64	0	13	77	73	18	1,228,473	0	7,323,194	3,464,736
15.	Raiganj	7	169	10	51	237	0	24	1	11	36	36	8	663,424	502	4,396,937	1,199,744
16.	Darjeeling	0	149	138	52	339	0	5	3	9	17	16	4	379,971	1,104	4,837,764	1,764,279
17.	Jalpaiguri	0	333	10	4	347	0	12	1	1	14	14	8	401,375	742	2,780,442	1,626,151
	Sub-Total	7	4,036	264	169	4,476	0	700	26	55	781	781	447	16,953,625	11,719	145,961,702	43,604,137
1.	S&LP Wing	120	454	7	0	581	4	80	0	0	84	84	31	9,405,080	1,170	85,130,902	33,174,963
																	130,240
																	4,440,294
																	7,580,918
	GRAND TOTAL	127	4,490	271	169	5,057	4	780	26	55	865	865	478	26,358,705	12,889	231,092,604	88,930,552

CORPORATE VIGILANCE

The Corporate Vigilance Cell is placed under the overall control of the Member-Secretary. It is headed by the Chief Vigilance Officer and manned by other officers of the P&A and accounts wing and a fleet of competent employees of the Board. Enquiry Officers are appointed from amongst the retired officers of IAS/WBCS Cadres, who are part time officers of the Board appointed for conducting disciplinary enquiries.

The Corporate Vigilance Cell enforces and monitors conformity to the WBSEB Employees' Service Regulations by the employees of the Board in general, and endeavours to curb the activities of the employees of the Board which are in violation of the Regulations relating to conduct, discipline etc. as provided in Chapter-IV of the said Regulations in particular. The complaints relating to the dereliction of duties, malpractices and corrupt practices involving moral turpitude, defalcation of cash, misappropriation of stores, forgery of documents false claim, theft of electricity, acceptance of illegal gratification etc., which amounts to clear violation of the proviso of the WBSEBESR on the part of the employees of the Board are being dealt with by this department and disciplinary proceedings are arranged where necessary. The Departmental Enquiry is conducted mostly at Corporate Vigilance Cell and sometimes at site offices also for early disposal of disciplinary proceedings. After the enquiry is over forwarding of findings, issue of second show-cause notice and imposition of punishment or acquittal order are issued from this Cell. Corporate Vigilance Cell also acts as office of the Standing Appellate Committee-I and process the appeal petitions submitted by the individual appellant.

This apart, the Corporate Vigilance Cell sporadically undertakes Anti-corruption drives by laying traps to catch the miscreants, employees or officers of the Board red handed while accepting illegal gratification in cash or in kind.

The activities, achievements and performance of the Corporate Vigilance Cell during the year 2004-2005 (01.04.04 to 31.03.05) are tabulated below in different tables.

TABLE – A : Summary table

1.	No. of complaints received and taken cognizance of	528
2.	No. of charge sheets framed and issued	64
3.	No. of employees whose disciplinary proceedings finalized by imposing punishment or absolving of charges	62
4.	Total No. of employees against whom departmental enquiries undertaken	58
5.	No. of employees against whom departmental enquiries Conducted	117
6.	No. of employees suspended	2
7.	No. of Enquiry Officers conducting enquiries	9

TABLE – B : Disciplinary proceedings (Break-up)

Stages of Departmental Proceeding	Class-I	Class-II	Class-III	Class-IV	Total
1. Charge-sheet framed and issued	10	7	41	6	64
2. Disciplinary proceedings finalized by awarding punishment/absolving of the charges	16	3	39	4	62
3. No. of departmental enquiries completed	12	7	42	5	66
4. Total No. of departmental enquiries undertaken	8	5	43	2	58

TABLE – C : Nature of misconduct for which charge sheets issued

Misconduct	Class-I	Class-II	Class-III	Class-IV	Total
1. Unauthorised activity or violation of order	2	3	18	2	25
2. Dereliction of duty	6	2	7	–	15
3. Demand/Acceptance of gratification	–	2	6	1	9
4. False claim	–	–	1	2	3
5. Misappropriation of Board's material	1	–	4	–	5
6. Defalcation of cash	–	–	5	–	5
7. Insubordination	–	–	–	–	–
8. Forging of documents	1	–	–	–	1
9. Disproportion of assets	–	–	–	1	1
Total	10	7	41	6	64

TABLE – D : Disciplinary proceedings finalized where misconduct was proved :

1. Unauthorised activity and violation of order	22
2. Dereliction of duty	13
3. Demand/Acceptance of gratification	4
4. False Claim	1
5. Misappropriation of Board's materials	–
6. Defalcation of cash	4
7. Insubordination	1
8. Forging of documents	1
9. Disproportion of assets	2
Total	48

TABLE – E : Punishment imposed

Nature of punishment of employees	Class-I	Class-II	Class-III	Class-IV	Total
1. Removal from service	–	–	4	1	5
2. Reduction of increment	3	1	24	1	29
3. Reduction of Gratuity/Pension	2	–	3	–	5
4. Reduction of rank	1	–	3	1	5
5. Withholding of increment	–	–	1	–	1
6. Censure	3	–	–	–	3
7. No. of employees absolved of the charges	3	2	1	1	7
8. No. of cases dropped	4	–	3	–	7
Total	16	3	39	4	62

HRD DEPARTMENT

Human Resource Development Department of WBSEB is headed by the Sr. Director in the rank of Chief Engineer and functions under overall supervision of member (Comml. & HRD).

During the year under review extensive training programmes on Information Technology have been undertaken. Employees of the Board have been categorized to suit the I.T. Training requirement. For Category-I, Jr. Managers (P&A)/(F&A), Head Clerks, Sr. Assistants and Assistants are being trained for 50 hours to enable them to make data entry and to get print out from Computer in the process of making computerized consumer energy bill and employees pay bill. For Category-IV, officers of the level of Assistant Engineers or equivalent and above are being trained for 30 hours in I.T. training to enable them to discharge their managerial work as well as other official work. In total, 298 employees under the categories-I & IV have been trained on Information Technology during the year 2004-05.

Executives of WBSEB were sent for Training/Seminar/Workshops conducted by Power Finance Corporation, PMI, NTPC, Power Line, New Delhi, BSES Management Institute, Mumbai, NPTI, ASCI Hyderabad, IIT-Kanpur, IIM, Lucknow, Bangalore, Kozhikode, Calcutta, Institute of Chartered Accountants, New Delhi, PGCIL, New Delhi, Institute of Cost & Works Accountants of India, New Delhi/Kolkata, CBIP, Alternate Hydro Energy, Council of Power Utilities, New Delhi, IIEA, Mumbai, Centre of Indian Institute of Technology, Roorkee, School of Laser Science & Engineer, Jadavpur, CIRE Hyderabad, Indian Institute of Workers Education, Mumbai, Kolkata, ESCI Hyderabad, Institute of Port Management, Kolkata, Zonal Training Institute, Kolkata, Bengal Chamber of Commerce and Industry, Kolkata, State Productivity Council, West Bengal, Power System Training Institute (PSTI), New Delhi, Bangalore, Regional Provident Fund commissioner, Kolkata, Institute of Management, Kolkata, West Bengal Renewable Energy Development Agency, National Institute of Personnel Management Kolkata Chapter, V. V. Giri National Institute of Labour, U.P., TERI, New Delhi, Institute of Socio Economic Research and Action, New Delhi, Indian Telephone Industries, Calcutta, Institution of Engineers, Kolkata, National Safety Council, Mumbai, XLRI, Jamshedpur, CDAC, Hyderabad, IPPAI, CII.

Non Executives of WBSEB were trained in the following areas :

- ◆ Chageman, Assistant Chageman, Technicians who do not possess Supervisory Certificate of competency on Part 6A and 6B were trained for two weeks at Corporate Training Centre at Vidyut Bhavan in order to enable them to achieve the same.
- ◆ Head Assistants, Sr. Assistants, Assistants were imparted training on "Work Culture, Productivity and Team Building" of one week duration at Corporate Training Centre, Vidyut Bhavan.
- ◆ Linesman and Operators were imparted training on "Technical Guidance" at Central Training Institute, WBSEB, Tribeni, Hooghly.
- ◆ Regular courses have been conducted for Line staff upto the level of Sr. Linesman at all the Junior Training Centres for guidance to obtain Workmen's Permit Part 6A & 6B and Maintenance of EHV lines and Sub-station. Sramiks who were promoted to the posts of Linesmen were imparted two weeks training at Junior Training Centres at Salt Lake and Kalyani.

Central Training Institute, Tribeni

The Institute is headed by a Principal, in the rank of Superintending Engineer who works under the administrative control of Sr. Director (HRD). He is assisted by one Superintending Engineer (E) and other office staff to conduct training programs for Officers and Technical staffs like linesmen, operators etc.

Programme for officers were conducted at the Institute. Linesmen and Operators were imparted training on "Technical Guidance General Safety, Supervisory Certificate of Competency Part 6A, 6B and General Safety at Central Training Institute, WBSEB, Tribeni, Hooghly.

Salt Lake Technical Training Centre

It is headed by one Assistant Engineer (Electrical) who works under the administrative control of Sr. Director (HRD). He is assisted by one Instructor Gr. I in the rank of Foreman (Electrical) and two Instructors Gr.-II in the rank of Sub-Assistant Engineer (Electrical). He is also assisted by other office staff to conduct various training programmes for the Linesmen, Sramiks, Jr. Supervisors (E), Jr. Technicians (E) and Operators Gr.-III (Electrical) throughout the year.

Kalyani Junior Training Centre

It is headed by one Assistant Engineer (Electrical) who works under the administrative and financial control of Sr. Director (HRD). He is assisted by one Instructor Gr.-I in the rank of Foreman (Electrical) and two Instructors Gr. II in the rank of Sub-Assistant Engineer (Elec)/Sr. SAE and other staff to conduct various training programs for the Linesmen, Sramiks, Junior Supervisors (Electrical), Junior Technicians (Electrical) and Operators Gr.-III (Electrical) throughout the year.

With the efforts of all the Training Centres under Human Resources Development and Training Department, WBSEB, total 3849 nos. of Executive and Non-Executive of WBSEB have been imparted training during the year 2004-2005. Out of 3849 participants 711 Engineers/Officers have been sent for Training/Seminar/Workshop outside organizations from WBSEB during the year 2004-2005.

IN-HOUSE TRAINING PROGRAMME ACCOUNT CONDUCTED IN 2004-2005

Name of Courses	No. of Participants
Part-A : Officers	
Revenue Administration	18
Modern Concept of Revenue Management	23
Refresher Course on Revenue Management	38
Energy Management & Distribution Profit Centre	60
Usages of TOD Meter, MRI etc.	60
Finance for Non Finance Executives	11
Design, Maintenance & Repair of Transmission Tower including Foundation Sag Tension Calculations etc.	5
T & D Losses	25
Electrical Protection System for Generation & Transmission	9
Electrical Protection system for Distribution	17
Earthing Theory & Practice	21
Erection, Testing, Commissioning & Maintenance of Transformer	9
Power System Studies & Load Despatch	8
Leadership, Team Building, Motivation & TQM	45
Management of EHV S/S and Lines	15
General Safety	42
Refresher Course on Distribution Commercial Function	38
Total	444

Name of Courses	No. of Participants
Part-B : Non-Technical Staff	
Work Culture, Productivity & Team Building	102
Reforms in Power Utility for Staff	63
Total	165
Part-C : Technical Staff	
Training on Supervisory Certificate of Competency 6A & 6B & General Safety	48
Maintenance of EHV S/S and Lines	77
Usage of TOD Meter, MRI etc.	41
Total	166
Category-wise Computer Training	
I.T. Training Category-I	191
I.T. Training Category-IV	107
Total	298
Part-D : Salt Lake Technical Training Centre	
Training Guidance covering course for Workmen's Permit Part VIA & VIB & General Safety	118
For Technical Guidance for Operation in Work Field & General Safety General Safety	41
Technical Guidance for Supervising the Supply Station	104
	29
Total	292
Part-E : Kalyani Junior Training Centre	
Technical Guidance covering course for Workmen's Permit Part VIA & VIB & General Safety	52
Technical Guidance for Operation in Work Field & General Safety General Safety	25
	79
Total	156
Part-F : Central Training Institute	
Technical Guidance on operation in Work Field & General Safety	179
Supervisory Certificate of Competency Part-6A & 6B & General Safety General Safety	71
	149
Leadership, Motivation, TQM	41
Total	440
Part-G	
Vocational Training from different Institute	566
G.O.I. Training (Graduate)	45
Outside Training	711
Programme on Gazette issued by SERC	566
Total	1888
Grand Total	3849

ENERGY MANAGEMENT CELL

Energy Management Cell is headed by one Dy. Chief Engineer with present set up of three Superintending Engineers and supporting other officers and staff under overall control of Member (Dist. RE).

Major activities and action taken report for the year under review are outlined below :

Sl. No.	Description of works	Action taken during 2004-2005		Remarks
		Physical (in %)	Physical (in Lakh)	
1.	100% Metering for feeders up to 11 kV under WBSEB area throughout West Bengal	98%	6009	
2.	Computation of ATC Loss of all Distribution Divisions	100%		
3.	Computation of ATC Loss of all Gr.Elec.Supplies	100%		
4.	Computation of ATC Loss of 4 Nos. APDRP Circles and 10 Nos. APDRP Towns	100%		
5.	GIS Mapping Power Network including consumer Index of 188 Nos. Gr.E.S.	40%	242	
6.	Loss computation in EHV Sub-Station including Loss calculation in Sub-Transmission line			Work in progress
7.	Computation of Reliability Index of HV Sub-Stations			Work in progress
8.	Distribution Transformer metering of 4 nos. APDRP Circles and 10 Nos. APDRP Towns			Work in progress

SAFETY DEPARTMENT

This department is headed by a Superintending Engineer/Divisional Engineer under overall supervision of G.M.(P&A). During the period (2004-2005) under review the department of Safety (Corp.) was involved in the following activities :

- 1) **Distribution of safety posters** published by Board and supplied by National Safety Council have been distributed among the Divisions for displaying them at different important places at Gr.E.S./ Call centers for increasing safety awareness.
- 2) **Hand Books** regarding safety rules / safety instructions have been distributed among workforce (mainly technical) connected with different setups of WBSEB, both in Bengali and Nepali languages as per requirements.
- 3) **Organisational training programs in regard to (a) First Aid (b) Firefighting (c) Safety awareness** were arranged to take up with HRD Department at Vidyut Bhavan and different Training Centers. Brief statistics regarding these training programs are given below :

No. of programmes	Participants	Invited	Attended
3	All Class-I & Class-2 Officers	139	28
61	All technical Staff	2589	878

- 4) Participations and helps have been extended regarding various Safety awareness Programme / Workshop which have been conducted by different unions and site office authority (Circle / Division) at different Circle / Division.
- 5) To increase awareness among general public regarding electrical accidents, one advertisement has been published in four Bengali Newspapers in the month of September, 2004.

ACCIDENT RECORDS :

- a) Cause of accident as given by the site — in

TABLE – I

(See Page 84)

- b) Accident statistics from April 2004 – 2005 — in

TABLE – 2

(See Page 85)



TABLE – 1

Department Of Safety (Corporate)
Reasons for Accident – for the period April-2004 to March-2005

Name of Zone (Dist.) Trans. & Hydel	Snapping of Conductor	Fall from height	Non Observance Of Safety Rules	Improper Earthing & Improper fuses	For want of Proper Maintenance	Other
Kolkata	13	8	14	1	3	6
Burdwan	6	2	4	1	0	3
Midnapur	7	1	8	0	1	1
Berhampur	13	5	12	0	2	2
Siliguri	7	4	2	2	1	1
Total (Distribution)	46	20	40	4	7	13
Transmission	0	3	3	0	0	6
Total (Hydel)	0	0	0	0	0	0
Grand Total	46	23	43	4	7	19
% in respect of total	32.39	16.20	30.28	2.82	4.93	13.38
Total No. of accident	142					

TABLE – 2

Department Of Safety (Corporate)
Statistics on Accident for the period April-2004 to March-2005

Name of Zone (Dist.)	Sup.		Work		Emp Total		Outside Gen.		C / L		Out. Total		G. Total		Animal	
	F	NF	F	NF	F	NF	F	NF	F	NF	F	NF	F	NF	F	NF
Kolkata	2	4	3	5	5	9	13	3	5	8	18	11	23	20		
Burdwan	0	2	1	4	1	6	4	1	1	1	5	2	6	8	3	
Midnapur	0	0	2	3	2	3	10	1	2	0	12	1	14	4		
Berhampur	0	6	2	5	2	11	7	0	2	7	9	7	11	18	5	
Siliguri	0	1	2	4	2	5	5	3	0	2	5	5	7	10	1	
Total (Distribution)	2	13	10	21	12	34	39	8	10	18	49	26	61	60	9	
Transmission	0	1	0	9	0	10	0	0	0	1	0	1	0	11		
Total (Hydel)	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Grand Total	2	14	10	30	12	44	39	8	10	19	49	27	61	71	9	

*Sup. — Supervisor**C/L — Casual/Contractor Labour**Work. — Worker**NF — Non Fatal**F — Fatal*

ELECTRONIC DATA PROCESSING CELL

The Electronic Data Processing (EDP) Cell is headed by a Dy. Chief Engineer. The major activities of this cell during 2004-2005 are as follows :

The major activities of this Cell during the period 2004 – 2005 are as follows :

◆ Computerised Cash Collection System

Modernisation and Upgradation of Group Electric Supplies through creation of I.T. Infrastructure: already 45 Gr. E/S out of 75 Gr. E/S have been commercially operated successfully under this scheme. Apart from on-line cash collection system, various other activities like meter reading, entry and query of consumers and bill. Application Monitoring System (AMS), issuing duplicate consumer receipt, addressing consumer grievance etc. will also be done from Gr. Electric Supplies expected to be completed by July 05.

PC Based & On-Line Cash Collection System is running in 35 Gr. E/S. A Project work has already been taken up by the EDP Cell to modernize these Gr. E/S 9 nos. newly created Gr. E/S (due to bifurcation of big E/S) has also been included in this project to give the same status to the consumers, at par with patent Gr. E/S. This project, amounting Rs. 210.32 Lakh has already been approved by the Board and funding has also been approved by APDRP project expected to be completed by 05-06.

2nd Phase Modernisation of Gr. E/S : 35 Nos. Gr. E/S, which exceed the consumer strength of 15000 during 2004, have been considered in this project. The DRP of this project (amounting Rs. 294.49 Lakh) has already been approved by the Board and funding has also been approved by APDRP.

◆ Scheme for Zonal Data Storage and Customer Call Centre, amounting Rs. 22.5 Crores @ Rs. 4.5 Cores per Zone on an average, has already been approved by the Board and funding has also been accorded by APDRP.

To start with Burdwan Zone will be the host, as this Zone (Consisting of Burdwan & Birbhum Districts) is enriched in both industrial and agricultural flavour and have the following cutting edges :-

1. Have both rural and urban consumers.
2. Have provision of using Board's own premises for call center creation.
3. Have commutable distance from HQ for regular monitoring.

After implementation of this scheme in Burdwan Zone, around 7.5 lakh consumers will be benefited apart from top management and policy makers of WBSEB.

This will help the existing database perform in a better way, preserve data with authenticity, analyze data for better business strategy, for consolidation of real or near real time data and geographically dispersed data backup and MIS Reports. Pilot project is expected to be completed by 05-06 and the rest 4 projects by 06-07.

This will cover the following business activities :

- a) Application Monitoring in a transparent way
- b) Fault management in an efficient manner
- c) Meeting customer query for bills, payment etc.
- d) To introduce fixation of responsibility for various levels of employees
- e) To introduce escalation method in business activities for better and transparent management

Trouble shooting of various problems related to operation of various Application Packages being run at 41 nos. DCCs and other major computer centers to guide the controlling officers of the computer centre related to System Administration and database Management.

EDP Cell also generated various management information as and when required by processing data located at the remote DCCs and collecting it over Wide Area Network through the central hub located at Vidyut Bhavan.

Operation and Renewal of Annual Maintenance Contract (AMC) of computer Systems, Line Matrix printer (LMP), Uninterrupted power supply (UPS) systems are also processed.

This cell also provided appropriate Technical Specifications regarding computer system as well as examination of Technical Bids against procurement of computers by other departments, as and when required.

Project on creation of IT infrastructure at all Dist. Divn., Dist HQ and creation of six new DCC

- i) Creation of IT and communication infrastructure at all Distribution Divisions including Dist. HQ to run cash and treasury module, payroll, PIS, MMIS etc. application packages.
- ii) Creation of IT and communication infrastructure at newly created DCC's Howrah-II, Garia Basirhat, Ghatal and Bishnupur and one DCC at Kalyani (D) Division.

Both the projects will be completed by 2005-06.

Introduction of Spot Billing Machine (SBM)

Order has already been placed for procurement of hardware and development of suitable software for introduction of Spot Billing with the help of hand held device.

- ◆ **Personal Information System (PIS)** : The software on PIS has already been developed and has been installed at all the Divisional Computer Center, Hydrel Project & CID. Wide Area Network (WAN) has also been successfully tested for this package. Automatic data flow, MIS report generation will be started after completion of data entry of all the employees in all respect and ensuring data validation.
- ◆ **SEVAK** : SEVAK the Automated Cash Collection Kiosk, initially installed at Bidhannagar ESSD-III for judging its performance and acceptability, proved its potential and accordingly order has been placed on M/S Tata Infotech Ltd. for 10 nos. of collection Kiosks at 10 different locations covering all the five zones. The collection machine will have back-end connectivity with database to facilitate validation of payment data. The consumer himself can handle the machine with the help of touch screen menu and deposit his dues any time as per his convenience. The machine can detect fake notes, can print consumer no. in the backside of any cheque dropped, and able to generate a receipt also.
- ◆ **Hosting of WBSEB Portal (www.wbseb.gov.in)**
EDP Cell maintains a Portal of WBSEB and upgrades the same on daily basis. Various information about activities of WBSEB, employee information, Tender Notices etc. are displayed on the Portal. Information regarding Consumer billing status for Centralized Bulk, Decentralized Bulk and L&MV Consumers (partly) are also displayed and are updated weekly.
- ◆ **Major works done under L&MV Billing Software**
 - * Development of software for interfacing cash collection system through Post Office with WBSEB billing application system
 - * Modification of L&MV billing system as per tariff order issued by the West Bengal State Electricity Regulatory Commission dated 09.06.2004

- * Development of software for calculation and claim of FPPCA as per order passed by Hon'ble WBRC on 17.01.2005.

◆ **Major works done under Bulk Billing Software**

- * Modification of Bulk Billing System as per WBSERC's tariff order for the year 2004-2005 dated 09.06.2004
- * Development of Software for calculation and claim of FPPCA as per order passed by Hon'ble WBREC on 17.01.2005
- * Development of SW for incremental data transfer of some important tables from the DCCs and Central Commercial wing to a Central Server at EDP Cell where consolidation of all centralized and de-centralized bulk consumer data are done for generation of MIS reports. Implementation and commercial operation of on-line cash collection of energy bills of centralized and de-centralized bulk consumers
- * Development of SW for entry and maintenance of meter seal of different parameters of bulk consumer
- * Routine work done by the EDP Cell



FINANCE AND ACCOUNTS DEPARTMENT

The wing is headed by the General Manager (F&A) who works under the direct supervision of the Director (F&A).

The Annual Accounts of the Board for the year 2004-2005 have been drawn up as per the provisions of the Electricity Act, 2003 read with Electricity (Supply) Act, 1948 and Electricity (Supply) Annual Accounts Rules, 1985. However, such accounts though initially adopted by the Board are provisional as the Audit Certificate on such accounts is awaiting.

The highlights of this year's accounts are stated below :

- i) The Board achieved an operating surplus of Rs. 504 Crores.
- ii) Capital Works in Progress Accounts of Rs. 978 Crores had been converted to Fixed Assets Accounts.
- iii) The current liability decreased by Rs. 619 Crores.
- iv) The Board exported power to other region through Power Trading Agencies for a total sum of Rs. 688 Crores (3098.88 MKWH).
- v) Optimal Utilisation of Temporary Idle Fund under Two-in-one Account as well as Fixed Deposit Accounts fetched Rs. 21 Crores as Income from Investment.
- vi) This year, due to efficient load despatch management an amount of Rs. 150 Crores has been received as Unscheduled Interchange charges.
- vii) Due to stable Cash Flow position the Board could pay entire liability on account of Purchase of Power during the year 2004-2005 which fetched Rs. 74 Crores from CPSUs as Incentive in addition to rebate of Rs. 19 Crores.
- viii) For the first time the Board received Capital Grant of Rs. 73 Crores from Govt. of India through Govt. of West Bengal on account of APDRP Incentive for cash loss reduction during the year 2001 – 2002 and 2002 – 2003 in respect to the Base Year 2000 – 2001.
- ix) Electricity Duty recovered from the Consumers paid in full to State Govt.
- x) This year, the Board paid an amount of Rs. 33 Crores to Govt. of West Bengal as Govt. Loan interest for the first time.
- xi) Total units sold in MKWH is 13548.62 against input of power of 18553.77 MKWH.
- xii) T&D loss of this year, had been reduced to 26.98%.
- xiii) Number of days receivable had decreased to 144 with the increase of collection efficiency by 12% from last year.
- xiv) Number of days payable had also reduced from 646 days of 2000 – 2001 to 202 days.
- xv) The Board invested Rs. 2.55 Crores upto 2004 – 2005 to New Town Electric Supply Co. Limited being the 50% of share of WBSEB as Equity.
- xvi) Debt servicing coverage ratio and interest coverage ratio had improved considerably during the year.
- xvii) Interest liability to Financial Institutions had been decreased after swapping of the interest rates of PFC Loans and LIC Loans with restructuring of REC Loans.

COMPARATIVE FINANCIAL STATEMENT

(Rs. in lakh)

Sl. No.	Particulars	2003-04 (Actual)	2004-05 (Provisional)
Part A	Balance Sheet		
1	Equity	135262	135262
2	Reserve	7543	7680
3	Consumers Contribution	93977	114475
4	Surplus	-513709	- 542214
A	Net Worth	-276927	- 284797
5	Govt. Loan	640304	693610
6	FI's Loan and Borrowings	108967	154757
7	Other Debt	232899	260095
B	Total Debt	982170	1108462
	CAPITAL EMPLOYED(A+B)	705243	823665
8	Gross Block	500472	598343
9	Less Depreciation	184003	218777
10	Net Block	316469	379566
11	Other Non Current Assets	362964	416924
C	Net Fixed Assets	679433	796490
12	Inventory	24649	27655
13	Debtors	174028	137193
14	Cash	33145	31273
15	Subsidy Receivable	125123	125123
16	Others	81188	65227
D	Current Assets	438133	386471
	Less		
17	Trade Creditors	210171	179512
18	Provisions and Others	151776	120587
19	Security Deposit from Consumers	50376	59198
E	Current Liabilities	412323	359297
F	Net Current Assets (D-E)	25810	27174
G	NET ASSETS (C+F)	705243	823664
Part B	Revenue Account		
20	Revenue from Sale of Power	389159	412966
21	Other Income excluding Subsidy	38825	29466
	Total Income	427984	442432
22	Purchase of Power Cost	333353	325033
23	Fuel Cost	51	54
24	Repair and Maintenance Cost	6993	8147
25	Net Employees and Admn. Cost	42762	45596
26	Finance Charges	14824	13240
27	Total Operating Cost	397983	392070
	EBDIT	30001	50362
28	Depreciation	24351	30047
29	Net Interest	34269	41019
30	Net Prior Period Expenditure	- 3960	2688
31	Other Debits	5836	5113
32	Total Expenditure	458479	470937
	DEFICIT	30495	28505
	(in MKWH)		
	Total sale including export	12899.53	13548.62
	Total sale excluding export	9775.39	10449.74
	Total power input including export	17996.95	18553.77
	Total power input excluding export	14872.81	15454.89
	T & D loss including export in %	28.32	26.98
	T & D loss excluding export in %	34.27	32.39
	(in Rupee)		
	ARR on sale	3.32	3.27
	ACS on sale	3.58	3.46
	Gap	- 0.26	- 0.19
	ARR on input	2.38	2.38
	ACS on input	2.57	2.52
	Gap	- 0.19	- 0.14

CASH FLOW STATEMENT

Particulars	(Rs. in lakhs)			
	2004-05		2003-04	
A. OPERATING CASH INFLOW				
A.1. Revenue from Sale of Power incl. Prior Period	415517		402373	
Less : Inc. in Receivables	- 36834	452351	10916	391457
A. 2. Revenue Subsidies & Grants incl. Prior Period		-	2	
Less : Inc. in Subsidy Receivables		-	0	2
A. 3. Other Income		29466		38825
A. 4. Prior Period net income		15936		49756
Sub-Total - (A) :		497753		480040
B. OPERATING CASH OUTFLOW				
B. 1. Revenue Expenditure incl. Prior Period A/C but excluding depreciation & interest		413632		429527
B. 2. Inc. (Dec.) in inventory		3006		- 1076
B. 3. Inc. (Dec.) in Loans & Advances		- 2541		- 1566
B. 4. Inc. (Dec.) in Receivables		- 13420		18703
B. 5. (Inc.) in Current Liabilities		61847		154495
Sub-Total (B) :		462524		600083
C. GROSS OPERATING CASH FLOW (A-B)		35229		- 120043
D. Interest Payment	41019		59944	
Less Inc. in Interest Payment liability	46076	- 5057	159831	- 99887
E. NET OPERATING CASH FLOW		40286		- 20156
F. Capital Expenditure (incl. Adj. of write-off of Intangible Assets)		125951		206087
G. FINANCIAL CASH FLOWS				
G. 1. Inc. in Loan Capital	99096		219607	
G. 2. Inc. in Dues on Capital Liabilities	- 18881	80215	0	219607
G. 3. Inc. (Dec) in Working Capital		-		0
G. 4. Inc. in Contribution, Grants etc.		20498		10084
G. 5. Inc. in Security Deposit from Consumers		8822		12216
G. 6. Inc. (Dec) in Reserve Fund		137		858
G. 7. (Inc.) Dec. in Investment		- 25880		- 5612
Sub-Total-(G) :		83792		237153
NET CASH FLOW		- 1873		10910
Add. Opening Cash Balance		33145		22235
Closing Cash Balance		31272		33145

INTERNAL AUDIT

The Internal Audit Department of the Board has been constituted as a separate department, independent of executives, directly under Board, reporting to Member (F&A). Presently this department is headed by a Dy. General Manager (F&A). The basic functions of the Internal Audit department can be broadly classified as here under :

- a) Internal Audit Related Activity
- b) Inspection Report / Draft Paragraphs / C&A.G's Reports / Matters relating to Committee on Public undertakings

Annual Programme of the Internal Audit Department during the year 2004-2005

Giving emphasis on achievement of financial stability through optimum collection of Revenue, 52 (Fifty two) numbers of M&LV Supply Stations were brought under the purview of Internal Auditing during the year 2004-05. The major points were considered for selection of auditable units on this score :

- i) Higher A.T.C. loss 50% and above i.r.o. big Supply Station and 70% & above i.r.o. other Supply Stations.
- ii) Poor revenue collection as against target set by the competent authorities
- iii) Big Supply Stations (Above 15,000 consumers) with high revenue potentiality

Other units were selected on the basis of :

- i) Non-audited units for a couple of years or still un-audited unit
- ii) The units which could not be audited in the year 2003-04 due to unavoidable circumstances

Target and Achievement during the year 2004-05 is depicted below :

Sl. No.	Description	Target	Achievement
i)	Revenue Audit of M&LV consumers	52	51
ii)	Centralised & De-centralised Bulk consumer	18	14
iii)	Distribution Divisions	05	05
iv)	Stores	10	10
v)	Transmission circle	01	01
vi)	Construction (D) Division	01	01
vii)	Distribution Zone	01	01
viii)	Hydel Project	01	01
ix)	Special / Miscellaneous	10	16
x)	Central Purchase / M.C / Corp. Office	01	01
xi)	Follow-up	00	12
Total		100	113

ACHIEVEMENT

A. Action taken by the Audited Units on the observations of Internal Audit in course of Receivable Audit

Sl. No.	Name of the Circle	Amount realised so far (Rs. In Lakh)	No. of cases referred to the Empowered Committee for settlement with financial involvement (Rs. In lakh)	Application of Recovery Act. financial involvement (Rs. In lakh)	Application of Money Suit & financial involvement (Rs. In lakh)	Remarks
1.	24-Pgs(N) 'D' Circle	11.67 (7 consumers)	—	—	—	—
2.	24-PGs(S) 'D' Circle	16.83 A.M.G.R.	—	—	12.03 (2 consumers)	Court Case Against 3 consumers. The Amount involved is Rs.28.48 lakh
3.	Burdwan (D) Circle	2.52	—	10.43 (2 consumers)	—	Rs.46.31 lakh is due to Court Case. The issue was discussed in In-house Audit Committee Meeting
4.	Hooghly (D) Circle	8.26	88.70 (14 consumers)	45.25 (9 consumers)	—	—
5.	Howrah (D) Circle	—	87.70 (5 consumer)	—	—	—
	Total	39.28	176.40	55.68	12.03	—

B. Details of undercharges i.r.o. de-centralised Bulk Consumers

Sl. No.	Name of Circle	Amount of undercharges identified by the I.A. during 2004-05	Amount claimed by the Circle Authority during 2004-05 (*)
1.	Murshidabad (D) Circle	11.29	08.55
2.	24-Parganas (N) (D) Circle	28.19	12.78
3.	Bidhannagar (D) Circle	13.01	12.23
4.	Hooghly (D) Circle	28.48	09.05
Total :		80.97	42.61

(*) This includes claim against undercharges identified during previous period also.

C. Physical verification of meter and metering installation in Railway Stations

Name of the Division : Baruipur (D) Division

Sl. No.	Name of the Railway Station	Service Connection	Brief observation of Internal Audit	Undercharge Amount/Unit
i)	Hogla	PDH/40/Com/G Con.No.G-06002	Meter seems to be defective since Oct'97. It has been observed that reading recorded as if the meter is a 4-digit but is actually a 5-digit meter	6829 KWH.
ii)	Joynagar	JM/67/C Con.No.G-04001	The defective meter was replaced on 18.05.2003	36018.8KWH
iii)	Dakshin Barasat	DBT/5/Com./G Con.No.G-06001	The meter was defective since 1/10/94 and replaced 20/08/98. The consumption increased by 2000 kwh. P/m	30,000 Unit
iv)	Mathurapur	E/156 Con.No.G-54002	3 Single Phase Meters were installed out of which one seems to be - defective; rest two - Stop	Undercharges may be assessed after replacement of meter
v)	Madhabpur	Meter No. EE-117386 5-20 amps	Discrepancy in Meter No. may be rectified & the said meter may be replaced	Action taken report may be submitted

D. Action taken Report i.r.o. L & MV Consumers

Sl. No.	Name of the Unit	Observation of Internal Audit in brief	Action taken by the supply authority against such observation
1.	Jaffarpur Group E/S	Unclaimed final reading from 30 consumers involving Rs. 47,234/-	Claimed Rs. 47,234/-
2.	Aranghata Group E/S	Non-taking of physical Meter Reading against 8 consumers involving Rs. 0.55 Lakh	Meter checked and claimed 11320 KWH. The financial involvement is Rs. 33960/- (approx.)
3.	Chakdah (East) Group E/S	Undercharges i.r.o. Ind. Consumers involving Rs. 11.24 Lakh against 13 cases	Claimed Rs. 07.79 lakh against 8 consumers
4.	Bakrahat Group E/S	Non-raising of Energy Bill i.r.o. 6 consumers involving Rs. 0.10 Lakh	Energy Bill raised against 6 consumers for Rs. 0.10 Lakh
5.	Ashoknagar Group E/S	i) Un-claimed FSC for the period 4/97 to 3/97 involving Rs. 0.97 Lakh (ii) Non-replacement of defective meters — 125	i) Claimed through deploying outside Agency w.e.f. September, 2004 ii) Replacement going on para wise
6.	Pandua Group E/S	Apprehended undercharges involving Rs. 2.80 Lakh against 12 consumers	Claimed with the current bill
7.	Sreerampore Group E/S	Un-billed new consumers - 60	Bills i.r.o. 60 consumers preferred
8.	Nayabasti-Pandapara Jalpaiguri	Un-claimed FSC for Street light under Jalpaiguri Municipality for Rs. 1.80 Lakh	F.S.C. claimed and realised Upto 11/04 of Rs. 1.80 Lakh
9.	Rampurhat Group E/S	(i) Unit undercharged worth Rs. 0.31 Lakh (15 consumers, total unit 9370 KWH were claimed short. (ii) Non-billing of 581 nos. Lok-Deep consumers involving Rs. 1.05 lakh (iii) Amount blocked in Court cases	i) Claim is being taken up in the subsequent bill ii) Action has been taken to claim bills by deploying outside Agency iii) Out of 14 cases, dues realised from 7 consumers; 2 had been disconnected by Court Order
10.	Midnapur Group E/S	(i) Low consumption pattern against 181 consumers involving Rs. 2.69 lakh. (ii) Non-claiming of fixed charged due to extension of load involving Rs. 2,100/- against 2 consumers	i) Industrial consumers' meters are being replaced by static meters ii) Realised Rs. 2,100/-

E. In-House Audit Committee Meeting

During the year 2004-05, an in-house Audit Committee was constituted under the chairmanship of the Member (F&A) vide Office Order No. 6118 dated 30/04/2004 of the Secretary, WBSEB. The Committee conducted three (3) meetings during the year 2004-05 and discussed Receivable Audit Report i.r.o. six nos. Circle Offices.

Govt. Audit related activity

The status of the aforesaid activities during last 3 years are appended below :

(A) Status of I/R paras (Unreplied)

Year	O/B of I/R paras (unreplied)	I/R paras received during the year	I/R paras replied furnished to Dy.AG(Com) during the year	I/R paras unreplied at the end of the year
2002-03	222	77	158	141
2003-04	141	61	115	87
2004-05	87	44	105	26

(B) Status of Draft paragraphs

Year	Draft paragraphs received during the year	Draft paragraphs replied during the year	Balance
2002-03	12	12	NIL
2003-04	11	11	NIL
2004-05	05	05	NIL

(C) Status of Draft Reviews

Year	No. of Draft Reviews received during the year	No. of Draft Reviews replied during the year	Balance
2002-03	1	1	NIL
2003-04	2	2	NIL
2004-05	1	1	NIL

(D) Status of paras under C&AG'S Report

Year	No. of paras received under C&AG's Report during the year	No. of paras replied under C&AG's Report during the year	Balance
2002-03	68 (2000-2001)	68	NIL
2003-04	54 (2001-2002)	Placed before the Board for approval	54 Nos.
2004-05	59 (2002-2003)	Board's approval awaited	59 Nos.

— Reply to 54 (2001-02) Nos. are furnished.

— No reply to the para related to COPU is lying pending.

CENTRAL PLANNING & ENGINEERING DEPARTMENT

The Central Planning & Engineering Department headed by the Chief Engineer discharged the following activities in 2004-05

A. Activities of the department are as follows :

- ◆ Perspective Planning of Power System in West Bengal.
- ◆ Power System Studies of networks.
- ◆ Planning on Evacuation Plan for Generating Plants of all utilities of West Bengal.
- ◆ Planning of Transmission System for areas covered under WBSEB in the State of West Bengal.
- ◆ Finalising of Detailed Project Report of Schemes for approval of the Board, Govt. of West Bengal, CEA/Planning Commission & Financial Institutions.
- ◆ Rendering Engineering Services for execution of approved Schemes.
- ◆ Detailed designing and engineering of all EHV Lines and Sub-stations.
- ◆ Preparation of Annual Plan of WBSEB and arrange for approval of State Govt., CEA, Planning Commission & Central Govt. Agencies.
- ◆ Rendering Engineering Services to sister organizations like WBPDC, DPL, WBREDA and others for Power Evacuation and other related affairs.
- ◆ In-house Consultancy services for various externally aided Projects like West Bengal Transmission System Project, Purulia Pumped Storage Project etc.
- ◆ Preparation of Schemes for Traction Power Supply.
- ◆ Preparation of Communication Schemes.
- ◆ Preparation of estimate for power supply to Bulk Consumers.
- ◆ Technical evaluation of all Transmission and Communication Equipment purchased by CS&PD.
- ◆ Examination and deciding Evacuation/Transmission Scheme for proposed Hydel Generation Schemes both in state sector and in private sectors. Also examining its effects on existing network.
- ◆ For shares of power from Central Sector Power Projects, this Dept. is examining relevant Central Sector Power Projects to help to decide on WBSEB's strategy.
- ◆ Standardisation of Technical Specification for transmission equipment.
- ◆ Monitoring of both financial and physical aspects of all Transmission, Distribution and Generation Project works under WBSEB.
- ◆ Inspection of material/Equipment for Transmission and Generation procured by WBSEB.
- ◆ Issue of MICC for all equipment and material procured under WB Transmission System Project and other Project Works.
- ◆ Issue of Work Orders for Transmission Schemes including Communication Equipment.

B. **Approved plan & outside plan layouts during 2004-05 for different capital works are as follows :**

Sl. No.	Head of scheme	Approved outlay Rupees in lakh		Revised Outlay Rupees in Lakh	
		Plan	Plan Outside	Plan	Plan Outside
1.	Generation	33810.00	1160.67	48810.00	1948.28
2.	Renovation & Modernisation	0.00	597.04	0.00	1216.28
3.	Transmission & Distribution				
	a. Transmission	15373.00	5000.00	13000.00	19427.86
	b. Distribution	21194.00	0.00	15200.00	14905.00
	c. Kutir Jyoti/Lok Deep	0.00	—	0.00	—

Sl. No.	Head of scheme	Approved outlay Rupees in lakh		Revised Outlay Rupees in Lakh	
		Plan	Outside Plan	Plan	Outside Plan
4.	Rural Electrification	12800.00*	9000.00*	21116.66	17840.00
5.	Load Despatch & Communication	–	100.00	–	60.00
6.	Survey & Investigation	–	74.75	–	29.25
7.	Miscellaneous	–	600.00	–	320.35
8.	PFC/REC/RIDF component of APDRP Works	–	21194.00	–	15200.00
9.	Special Item Outside Plan through Corporate Accounts	–	0.00	–	0.00
	Total	83177.00	37726.46	98126.66	70947.02

*An amount of 28 crores for RIDF-VI has been transferred from outside plan to Plan fund scheme.

Major Transmission Works :

West Bengal Transmission System Project :

- ◆ CP&ED prepared detailed design & Engineering for Lines & Sub-stations of different voltage grade from 132 kV and above along with associated lines.
- ◆ CP&ED arranged the joint inspection/Testing of material and equipment.
- ◆ Vetted and approved the drawings of foundation and structure etc.

Normal Transmission Works :

- ◆ Design & Engineering of bulk power supply, traction power supply, normal augmentation and plan works have been done by CP&ED.
- ◆ CP&ED prepares detailed design & engineering for new sub-stations of different voltage grade from 66 kV & above along with associated lines.

Preparation of schemes of PFC funding under ADB :

- ◆ CP&ED has prepared a Detailed Project Report of transmission scheme covering following 132 kV lines and 132/33/11 kV Sub-stations with associated lines and other related works, placed to PFC for loan assistance under ADB after obtaining necessary approval from the Board.
 - (i) Construction of new 132/33/11 kV S/S at Borjora. PFC sanctioned Rs.1736 Lakh for the project.
 - (ii) Krishnanagar-Ranaghat 132 kV D/C Transmission line. PFC sanctioned Rs.880 Lakh for the project.
 - (iii) Domjur-Chanditala 132 kV D/C Transmission line. PFC sanctioned Rs.600 Lakh for the project.
 - (iv) Construction of 132/33/11 kV S/S at Amtola. PFC sanctioned Rs.4020 Lakh for the project.

Preparation of Schemes for PFC funding :

- (v) Detailed Project Report for strengthening of 220 kV & 132 kV network at Subhasgram 220/132 kV Sub-station with approved project cost of Rs.1941.56 Lakh has been placed to PFC for funding.
- (vi) Augmentation of Transformation capacity at Jeerat. PFC sanctioned Rs.235 Lakh for the project.

Preparation of Transmission Schemes for REC funding :

CP&ED has prepared a Detailed Project Report of the following transmission schemes under REC funding.

- (i) Revised scheme towards establishment of Haldia New Industrial Zone 132/33 kV Sub-Station placed to REC for funding.
- (ii) Construction of new 220/132/33 kV Sub-Station at New Town with an approved project cost of Rs.5495.48 Lakh. The scheme has been placed to REC for funding.

Preparation of Renovation & Modernisation Schemes for REC funding.

Different schemes under R & M of estimated cost of worth Rs.28022.52 Lakh have been prepared and placed to Deptt. of Power, Govt. of West Bengal.

Major Generation Works :

- ◆ **Purulia Pumped Storage Project (4X225MW) :**
- ◆ Preparation of Planning Engineering, approval of design & drawings and testing of materials for construction of 400 kV lines from PPSP to Arambag and Bidhannagar (Including 400KV bays) have been done by CP & ED.

Communication Planning & Engineering :

Planning action for PLCC equipment :

- (a) Under PFC funded project, Planning and Engineering has been made for all the PLCC equipment linking between Krishnanagar, Ranaghat, Domjur, Chanditala, Borjora, Bishnupur, Mahispota, Debagram, Amtala, Berhampore, Adisaptagram, Belmuri, Tarakeswar, Egra, Contai 132 kV S/S, Durgapur, Jeerat 400 kV S/S and New Haldia 220 kV S/S.
- (b) Under REC funded project, Planning and Engineering has been made for all the PLCC equipment linking between Malda, Balurghat, NJP, Chalsa, Moinaguri, Bolepur, Sainthia 132 kV S/S, STPS, Bishnupur 220 kV S/S, Arambag, Durgapur 400 kV S/S.
- (c) Under RIDF funded project, Planning and Engineering has been made for the PLCC link between Bishnupur 220 kV S/S (Proposed) - Bishnupur 132 kV S/S (Proposed WBIIDC).

Microwave Communication Project under JBIC Loan Assistance :

Preliminary Planning and Engineering jobs of site selection, site survey and soil testing, approval of drawings and testing of materials etc, in connection with work order placed to M/s WSI for erection, testing, commissioning and establishing microwave communication link required for data and voice communication, are being done.

Optical Fiber Communication Project :

An agreement has been signed between POWERGRID and WBSEB towards the utilisation of Bidhannagar (Durgapur) - Kasba EHV (through 132 and 220 kV lines) Link for establishing an Optical Fiber Communication Link by way of stringing of O P G W Cable in place of tower earth wire. Approval has been given to M/s PGCIL for laying of OPGW cable in the premises of Mankar 132 kV S/S and Howrah 220 kV S/S.

Unified Load Despatch and Communication Project :

Scheduling for commissioning of 47 nos. of Remote Terminal Unit has been done, out of which 26 nos. RTU have been commissioned for data communication to SLDC Howrah/Sub CLD NBU.

Upgradation of CP and ED Computer System :

During the year 2004 - 2005, CP&ED had started to process the case of enhancement of it's computer Memory and Hard Disk capacity.

Extensive use of Computers were made during the year for :

- ◆ Preparation of Annual Plan.
- ◆ Monitoring of Physical and Financial Progress of Plan Schemes and other data collection and processing.
- ◆ Preparation of schemes for Bulk Power Supply, Traction Power Supply.
- ◆ Preparation of DPRs for various schemes.
- ◆ Preparation, Modification and revision of schemes for PFC, REC and/or other financial institutions towards funding,
- ◆ Perspective Planning upto 2011-2012,
- ◆ Load Flow Study for various system configuration
- ◆ Short Circuit Study under different conditions
- ◆ Preparation of Drawings and Maps,
- ◆ Preparation of General Conditions of Contract for different schemes,
- ◆ Preparation of Technical Specification, Tender Notices
- ◆ Maintenance of various Database,
- ◆ Preparation of Leave Report of Employees from database,
- ◆ Evaluation of tenders for various works,
- ◆ Preparation of MICC for all materials under JBIC Transmission Project.
- ◆ Renovation of mutilated and very old drawings,
- ◆ In addition, other computer related jobs not covered above.

Monitoring :

A very important and voluminous data bank has been built up and updated during the year. Detailed monitoring of all works, particularly Physical and Financial Progress of Plan works, System Improvement works along with detailed Hydel Generation data of WBSEB has been done during the year.

Issue of Work Order :

CP&ED is responsible for issuing Work Orders for major Transmission works including Communication works. In the Year 2004-2005, the total number of Work Orders issued are 40 amounting to Rs. 46517.05 Lakh.

CENTRAL COMMERCIAL

Central commercial Department is headed by one Chief Engineer and assisted by three Deputy Chief Engineers, seventeen Superintending Engineers, one Divisional Engineer, two Assistant Engineers, one Manager (F&A), one Asst. Statistical Officer, two Jr. Managers (F&A) and one Asst. Cash Officer.

The Central Commercial Department deals with matters pertaining to import of power from other state power utilities, central sector power utilities, export of power to other region, neighbouring states and other power utilities and Distributing Licensees, all commercial matters relating to centralised bulk consumers, prospective bulk consumers, power supply to CESC Limited, power supply to Railways for traction purpose, all commercial matters relating to EREB, CEA, CERC, WBERC and other SEBs. This deptt. also looks after the matters concerning general tariff structure and allied matters, annual power survey etc.

IMPORT OF POWER

To supplement its own generation, WBSEB imported bulk quantum of power from The West Bengal Power Development Corporation Ltd. (WBPDC) from their Kolaghat Thermal Power Station comprising of 6 (six) units of 210 MW capacity each, Bakreswar TPS comprising of 3 (three) units of 210 MW each, Bandel TPS comprising of 4 (four) units of 80 MW each and one 210 MW unit, Santaldih TPS comprising of 4 (four) units of 120 MW each, the National Thermal Power Corporation Ltd. (NTPC) from their Farakka Super Thermal Power Station comprising of 3 (three) units of 200 MW capacity each and two units of 500 MW capacity each, and Chukha Hydel Power Station of Bhutan comprising of 4 (four) units of 84 MW capacity each through Power Trading Corporation of India Limited (PTC). The Board also received power from 4x210 MW and 2x500 MW generating sets of NTPC at Kahelgaon and Talcher (Stage-I) respectively and 60 MW Rangeet Hydro Electric Project of NHPC. Besides this, Board imported energy from 60 MW Kurichhu HEP through Power Trading Corporation of India Limited (PTC) during 2004-05.

WBSEB also imported some quantum of power from neighbouring power supply agencies within the State viz. DPL, DVC and DPSC Ltd. to cater power to local pockets not reached by WBSEB network.

Beside above, some quantum of power was purchased by WBSEB from CESC for exporting to outside region and from PTC to meet the peak demand of the Board's system.

For assessment of consumption of electrical energy by WBSEB and other beneficiaries in Eastern Region from the generation made available by NTPC, NHPC & PTC against the shares of respective beneficiaries, global method of accounts was continued.

Total quantum of energy imported by WBSEB during 2004-05 was 18888.086 MU as against the import of 18201.05 MU in the previous year. Thus, there was an increase in the import by 3.77% compared to that of previous year.

EXPORT TO NEIGHBOURING STATE/AGENCIES

During the period under review energy was exported by the Board to outside State/Region through Regional/ Inter-Regional interconnected system, through PTC, NVVNL, & AEN to the tune of 2083.66 MU, 992.04 MU & 23.18 MU respectively. The Board also in terms of Agreement signed between Govt. of West Bengal and Govt. of Sikkim supplied energy to the tune of 43.049 MU to the Govt. of Sikkim during the year 2004-05 as their admissible share from Rammam Stage-II Power Station at the sent out cost of the said Power Station.

BULK SUPPLY OF POWER TO LARGE CONSUMERS

23 (Twenty-three) nos. new bulk consumers were added during the year under review. The particulars of new consumers are shown below :

Sl. No.	Name of the Consumer	Location of Supply	Type of Industry/ Consumer	Date of Commencement of Supply	Contract Demand (KVA)	
					1st Yr.	5th Yr.
1.	M/s Bansal Cement (P) Ltd.	Mathura Kismat, Midnapore (P)	Misc. Ind.	17-Apr-2004	900	900
2.	M/s Crescent Manufacturing	Dwarika, P.O.-Bishnupur	Misc. Ind.	23-Apr-2004	800	800
3.	M/s Nissan Ferrocast Ltd.	Dankuni, Hooghly	Mini Steel	4-May-2004	2000	2000
4.	M/s Bengal Ambuja Metro Dev.	Bidhannagar	Commercial	13-May-2004	2307	4615
5.	The Dy. CE (Elec.) (Generation)	Kamdahari, Tollygunge	Water Works	19-May-2004	575	575
6.	The Commandant State Armed	Mangal Pandey Uddyan	Commercial	31-May-2004	723	857
7.	M/s Wipro Ltd.	Plot-8, Block-DM, Bidhannagar	Info Tech	11-Jun-2004	1700	4000
8.	M/s Sri Gayatri Minerals (Pvt.)	WBIIIDC Growth Centre, Bishnupur	Mini Steel	19-Jun-2004	7500	12600
9.	M/s Modern India Concast Ltd.	WBIIIDC Growth Centre Bishnupur	Mini Steel	20-Jun-2004	10500	10500
10.	M/s ASL Iron & Steel Co (P) Ltd.	Vill-Dantiya, Purulia	Mini Steel	24-Jun-2004	570	570
11.	MHI PPSP Lots HM Project Office	Penstock Assembly Yard PPSP	Misc. Ind.	25-Jun-2004	650	650
12.	M/s Madgul Parks (Pvt) Ltd.	DN-62, Sector-V, Salt Lake	Info Tech	23-Jul-2004	1000	4500
13.	M/s Limtex Steel Ltd.	Chitalghata, Bidhannagar	Tea Industry	30-Aug-2004	600	600
14.	M/s Sujali Tea & Industries Ltd.	Purbagoma, Chopra	Tea Industry	14-Sep-2004	600	600
15.	M/s Sri Mahalaxmi Vinimay (P)	Jalan Complex, Domjur Howrah	Mini Steel	19-Sep-2004	5000	5000
16.	M/s KPA Securities Pvt Limited	Mouza Amra Beria, Uluberia	Mini Steel	20-Dec-2004	760	760
17.	M/s Frito-Lay India	Jaldulagarh, Sandhipur, Howrah	Misc. Ind.	5-Jan-2005	1000	1800
18.	M/s Balaji Paper & News Print	Manikpara, Jhargram	Paper & Pulp	29-Jan-2005	1750	3000

Sl. No.	Name of the Consumer	Location of Supply	Type of Industry/ Consumer	Date of Commencement of Supply	Contract Demand (KVA)	
					1st Yr.	5th Yr.
19.	M/s Bisco Steel Udyog (P) Ltd.	Berma, Purulia	Mini Steel	15-Feb-2005	900	1000
20.	M/s East India Flour Mills(P)	Chinamore, Delhi Road	Mini Steel	21-Feb-2005	3500	3500
21.	CGM, WBPDC	Sagardighi	Misc. Ind.	24-Feb-2005	2000	3000
22.	M/s Amba Sponge Iron Pvt. Ltd.22	Mouza-Jemua, Dist.-Bankura	Mini Steel	4-Mar-2005	920	1499
23.	M/s Divya Jyoti Sponge Iron P. Ltd.	Mejia, Bankura	Mini Steel	24-Mar-2005	250	550
Total					46505	63876

During the year, therefore, a total load of 46505 KVA was added to the system through new connection compared to 32562 KVA during the previous year.

During the year 2004-05, 12 (Twelve) Decentralised bulk consumers were converted to Centralised bulk category. The particulars of those consumers are given below.

Sl. No.	Name of the Consumer	Location of Supply	Type of Industry/ Consumer	Date of Commencement of enhanced Supply	Contract Demand (KVA)	
					1st Yr.	5th Yr.
1.	M/s Kushal Polysacks (P) Ltd.	Baragram, Jhalda, Purulia	Misc. Ind.	30-Apr-2004	775	775
2.	M/s Protap Polysacks Ltd.	Jalan Industrial Complex	Misc. Ind.	5-May-2004	800	800
3.	M/s N.F. Forgings Pvt. Ltd.	Dhulaguri, Howrah	Misc. Ind.	12-May-2004	1450	1450
4.	M/s Kamal Forgings (P) Ltd.	Dankuni, Hooghly	Mini Steel	29-June-2004	825	825
5.	M/s The Luxmi Tea Company	Metelii Tea Garden	Tea Industry	23-Aug-2004	700	700
6.	M/s Eveready Industries	Chuapara Tea	Tea Industry	27-Aug-2004	735	956
7.	Kharagpur Metal Reformingind	Koushallya, Kharagpur	Mini Steel	21-Sep-2004	700	900
8.	M/s Calcast Ferrus Ltd. (Unit-II)	Mouza Chandipur, GI.No.-9	Engineering Industry	26-Sep-2004	450	750
9.	M/s Highrise Roller Flour Mill	Bhuaghachi, Polba, Hooghly	Misc. Ind.	27-Sep-2004	630	630
10.	M/s M.B.Ispat Corporation Ltd.	Borjora, Bankura	Mini Steel	14-Dec-2004	750	750
11.	M/s Precision Ferro Cast(P) Ltd.	Nibra, Howrah	Mini Steel	18-Jan-2005	1000	1000
12.	M/s Bisco Sponge Iron (Unit-II) (P) Ltd.	Berma	Mini Steel	15-Feb-2005	750	750
Total					9565	10286

Besides these, additional power was supplied to 52 (Fifty-two) existing centralised bulk consumers. The extent of additional power requirement of these consumers during the year under report is 46900 KVA and due to downward revision of contract demand for 59 (Fifty-nine) existing centralised bulk consumers load demand is reduced to 76851 KVA during the year under report.

During the year under review agreement was terminated in respect of 7 centralised bulk consumers viz. (i) M/s Red Ceramic Ltd. (ii) M/s Bharat Margarine Ltd. (iii) M/s Shamon Ispat Ltd. (iv) M/s K.R. Steel Union Ltd. (v) M/s Zenith Alloys & Steels Ltd. (vi) M/s Vee Kee Ispat (P) Ltd. and (vii) M/s Syadabad Tea. Moreover 5 centralised bulk consumers viz. (i) M/s Krishna Silicate (ii) M/s Bharat Heavy Electricals (iii) M/s Siliguri Flour Mills Ltd. (iv) Mayukh Bhawan and (v) CMDA, Central Park were transferred to decentralised category as those consumers reduced their contract demand. Thus, there was loss in demand to the tune of 18256 KVA from the level of previous year due to termination of agreement and transfer to decentralised category.

The total number of Centralised Bulk consumers as on 31.03.2005 was 381. Power was supplied to various Industries and Consumers, category-wise details are given below :

Type of Industry	No. of Consumers (Nos.)	Total Contract Demand (KVA)
Mini Steel Plant	66	244,516
Jute	7	21,218
Cotton & Textiles	18	38,781
Coal	20	41,250
Paper & Pulp	10	16,850
Drugs & Chemicals	29	70,353
Engineering Industry	30	81,629
Electronic Industry	7	9,150
Misc. Industry	56	86,316
Drainage / Water Works	20	20,985
Traction	19	205,400
Cold Storage	7	4,450
Neighbouring State like Bihar, Sikkim etc.	2	5,000
Housing Complex	3	1,700
Misc. Consumer	56	78,920
Distributing Licensee	5	602,300
Tea Industries	26	19,820
Total	381	1,548,638

Consumers as above were supplied at various voltage depending upon their individual contract demand. Voltage-wise segregation of the consumers as on 31.03.2005 may be seen as below :

Voltage of supply	No. of Consumers
220 kV	0
132 kV	19
66 kV	0
33 kV	94
25 kV	13
11 kV	239
6/6.6 kV	16
Total	381

The consumers having highest contract demand of 560,000 KVA for 2004-05 was CESC Limited, which receives supply of power at 132 kV at Howrah, Liluah, Kasba and Titagarh point of supply. The railways were second biggest individual group of consumers next to CESC Limited.

Both the Eastern Railway and the South Eastern Railway get supply of power at 25 kV single phase AC at 8 & 5 different points respectively for traction purpose. In addition to above, Eastern Railway and South Eastern Railway get supply at 132 kV 2-phase AC for Katwa, Dhatrigram, Dankuni, Bankura, Balichack and Chandrakona Road Sub-Stations.

Consumers having contract demand of above 500 KVA and upto 1499 KVA are normally supplied at 11/6/6.6 kV and consumers having contract demand of 1,500 KVA and above but not exceeding 14999 KVA are supplied at 33 kV. However the consumers having contract demand of 7500 KVA and above but not exceeding 14999 KVA may opt for taking supply at 66/132/220 kV depending upon the availability of the system voltage. For consumers having contract demand of 15000 KVA and above, the supply voltage is fixed at 66/132/220 kV depending upon the system voltage available in the area.

The actual supply during 2003-2004 to the large group of consumers is as follows :

Power Supply to the CESC Limited :

Power supply to CESC Limited is important because of its high level of power drawal from WBSEB. Their total demand from WBSEB declared for the year 2004-2005 was 560 MVA at the existing 4 points at Howrah, Liluah, Kasba and Titagarh with individual demand of 170 MVA, 130 MVA, 220 MVA and 40 MVA respectively. The total quantum of energy sold to the CESC Limited during the year under review was 737.29 MU registering a fall of 14% over the sale of energy of 861.77 MU in the previous year. The total claim on account of supply to the CESC Limited excluding miscellaneous revenue during the year under review was Rs. 219.35 crores registering a fall of 26% over total claim of Rs. 296.55 crores in the previous year. This fall in revenue was due to reduction of tariff applicable for power supply to CESC Ltd. for the year 2004-05 by 14%. The above claim of Rs. 219.35 crores inclusive of Rs. 3.03 Crores on account of FSC for the year 1999-00 and Rs. 2.30 crores on account of FPPCA for the year 2000-01, 2001-02 & 2002-03.

Likewise previous year WBSEB's own power was wheeled through the system of CESC Limited to various 6 kV off-take points and to the ex-section 27 consumers due to inadequacy of distribution network of WBSEB at Chandannagar, Bhatpara, Sodepur etc. The total quantum of energy wheeled through CESC system was 71.42 MU on payment of Rs. 21.42 lakh as wheeling charge @3 Paise per Kwh by WBSEB to CESC Limited.

Power Supply to Railway for Traction Purpose :

Next to CESC Limited, as single group of consumer the Railway consumed a substantial amount of power from WBSEB for traction purpose. The aggregated power demand during 2004-2005 at 19 different points of supply for traction purpose was 205.40 MVA. Energy consumption during the year under review was 602.62 MU and the corresponding revenue amounting to Rs. 256.67 crores (Prov).

Prospective Bulk Consumers :

The particulars of the applications received for new connections and the status of progress during the year under review are stated hereunder :

Particulars	As on 31.03.2005
Number of application for new connection pending at the end of the previous year	52
Number of application for new connection received/revived during the year	47
Number of proposals dropped as the consumers were not interested	5
Number of new connections effected during the year	23
Number of application/connection pending for new supply as on the last day of the year	71

Out of these 71 cases in 1 case inspection of site is awaited, in 11 cases estimates of service connection charges are under preparation, in 14 cases estimates have been served but service connection charge awaited, in 15 cases service connection charges deposited but work orders are yet to be issued, in 30 cases work order issued and works are under execution.

Tariff and allied matters :

- i) Against tariff petition for 2004-05 which was submitted to the Hon'ble West Bengal State Electricity Regulatory Commission during the previous year Hon'ble Commission issued the final tariff order on 09.06.2004 with an average tariff of 320.60 P/KWH.
- ii) Against petition of FPPCA for the year 2000-01, 2001-02 & 2002-03, the Hon'ble Commission issued the order on 17th January '05 with net amount recoverable from the consumers of Rs. 5836.03 lakh on actual sale of 9424.87 MU during the year 2002-03.
- iii) The Board submitted Tariff Proposal for the year 2005-2006 to the West Bengal Electricity Regulatory Commission during the year under report with the proposed rate of 331.95 paise/KWH on 14.12.2004. The Hon'ble Commission issued the tariff order for WBSEB on 30.03.2005 and approved the average rate of 326.75 paise/KWH.

Power Survey :

During the year under review detailed exercise was carried-out for the purpose of 17th Power Survey.

Compilation of Statistical Data :

The Central Statistical cell of the Board compiled various statistical reports for onward submission to CEA/BAES etc.

DETAILS OF PURCHASE OF ENERGY BY WBSEB DURING 2004-05

Power Utilities	Energy Purchased (MKWH)		Percentage increase (+)/Decrease(-)
	2003-04	2004-05	
Durgapur Projects Limited	509.09	329.007	- 35.37
Damodar Valley Corporation	592.10	607.647	2.63
Dishergarh Power Supply Co. Ltd.	150.33	154.491	2.77
W.B.P.D.C.L	12660.16	13255.880	4.71
N.T.P.C. Ltd.	3452.51	3633.633	5.25
PTC (Chukha, Kurichhu)	695.21	662.281	- 4.74
NHPC Rangeet Power	133.45	129.072	- 3.28
PTC-peak/off-peak	0.00	33.380	- 2.28
NVVNL	0.00	14.960	- 1.28
CESC	7.52	55.020	- 0.28
WBREDA	0.68	0.452	0.72
DVC Peak	0.00	12.200	1.72
Govt. of Sikkim	0.00	0.063	2.72
Total	18201.05	18888.086	3.77

GIST OF TARIFF ORDER DATED 09.06.2004 OF THE HON'BLE WEST BENGAL ELECTRICITY REGULATORY COMMISSION FOR THE YEARS 2002-03, 2003-04 AND 2004-05

As per aforesaid Order of the Hon'ble Commission, the applicable tariff and related conditions for all categories of consumers of West Bengal State Electricity Board for the year 2002-03, 2003-04 and 2004-05 are given below :

2002-03 & 2003-04

The tariff for 2002-03 as was approved by the Commission for 2001-02 for all categories of consumers shall be applicable.

The tariff for 2003-04 as was approved by the Commission for 2001-02 plus 52 paise/Kwh of interim on certain categories shall be applicable.

2004-05

Rates, Charges and Conditions excluding for Trading and supply to other Licensees.

Low and Medium Voltage Supply

Consumer Category	Consumption slab / quarter (Kwh)	Fixed Charge Rs./Cons/ month	Energy Charge Paise Kwh
Domestic Lokdeep		23.00	
Rate A (Dm-L)	For all units		242
Rate A (Dm-R)	First 75		207
	Next 105		227
	Next 120		277
	Next 600		312
	Next 150		549
	Next 300		549
	Above 1350		389
Rate A (Dm-U)	First 75		212
	Next 75		237
	Next 150		282
	Next 150		320
	Next 450		339
	Next 150		549
	Next 450		549
	Above 1500		429
Rate A (Cm-R)	First 180		287
	Next 120		395
	Next 150		420
	Next 450		460
	Next 450		545
	Above 1350		460
Rate A (Cm-U)	First 180		292
	Next 120		405
	Next 150		425
	Next 450		465
	Next 600		545
	Above 1500		465

Consumer Category	Consumption slab / quarter (Kwh)	Fixed Charge Rs./Cons/ month	Energy Charge Paise Kwh
Rate A (Cm-PU)	Non-Municipality		252
	Municipality		262
	on all units		
	Consumption slab / month (Kwh)		
Rate B(I-R)	First 500	10	288
	Next 1500	10	405
	Next 1500	10	445
	Above 3500	10	395
Rate B(I-U)	First 500	10	297
	Next 1500	10	425
	Next 1500	10	455
	Above 3500	10	415
Rate (B-II) -	Public Water Works		242
Rate (B-III) -	Crematorium		232
Rate C - Irrigation Pumping for Agriculture			
Metered:	on all units	193	
Irrigation			
Supply from			
Mixed HV			
Feeder			
Unmetered :		Rs per annum	
STW in NB :		4430.00	
STW in other districts		5460.00	
Submersible in NB		5540.00	
Submersible in other districts		6810.00	
Rate D			202 Paise
Incandescent lamp,			
Mercury vapour & fluorescent lamp			
HIGH AND EXTRA HIGH VOLTAGE			
Consumer Category	Consumption slab / month Rs./KVA/Month	Demand Charge	Energy Charge Paise Kwh
Rate E (a)		180	247
Rate E (b)		180	375
Rate E(bt)	6 AM – 5 PM	180	375
	5 PM – 10 PM	180	510
	10 PM – 6 AM	180	262.50
Rate E (c)		180	375

Consumer Category	Consumption slab / month Rs./KVA/Month	Demand Charge	Energy Charge Paise Kwh
Rate E(ct)	6 AM – 5 PM	180	375
	5 PM – 10 PM	180	510
	10 PM – 6 AM	180	262.50
Rate S(b)	Clubbed with HV/EHV Industrial category		
Rate S(c)			377
Rate S(f)		180	247
Rate F		180	365
Rate F(t)	6 AM – 5 PM	180	365
	5 PM – 10 PM	180	496.40
	10 PM – 6 AM	180	255.50
Rate F(a)		180	247
Rate S(d)			350
Rate S(g)			302
Rate H		180	350
Rate H(t)	6 AM – 5 PM	180	350
	5 PM – 10 PM	180	476
	10 PM – 6 AM	180	245
Rate T(a)		180	350
Rate T (b)		180	320
Rate G(a)			150
Rate G(e)		180	275

Note:

- (1) There will be no change in the load factor rebate except that the rebate will be admissible only if the load factor is more than 55% and for such excess only.
- (2) There will be surcharge towards load factor on HT Industrial and HT Commercial consumers if the load factor is less than 25%. It shall be 30 paise/Kwh and applicable only on the shortfall of consumption from 25% level.
- (3) There will be no change in power factor rebate / surcharge , meter rentals, testing ,installation charges, disconnection and reconnection charges, fuse replacing charges.
- (4) TOD Tariff for HV/EHV industrial consumers as follows:

For consumption between	Demand Charge Rs/KVA/Month	Energy Charge
6 AM – 5 PM	180.00	Normal rate
5 PM – 10 PM		36% more than normal rate
10 PM – 6 AM		30% less than normal rate

The HT commercial consumer and HT Public utility services may also opt for TOD tariff at their discretion.

(5) Demand Charge for HT Industrial consumers (under TOD tariff) for any month shall be based on maximum KVA demand recorded between 6AM and 10 PM of the day or 75% of the contract demand whichever is higher unless demand itself has been brought/ re-sanctioned downward. In such a case demand charge shall be levied with reference to revised

demand. In case KVA demand cannot be determined but KW demand is determined, then the Demand Charge rate in KVA is to be converted appropriately. The power factor to be taken will be 0.85.

(6) The Demand Charge shall not be payable by the consumer for the period when the load of the consumer is totally shed / interrupted for fault of WBSEB or its system. This will also not be applicable where force majeure applies. This is without prejudice to any other compensation if he is entitled to the same as per any Act or the Regulations made under the Electricity Act,2003.

(7) The Minimum Charge excluding meter rent, taxes/levies etc. and arrears will be as under :-

Category	Minimum Charge
Domestic – LT	Rs 30/- per month
Domestic – HT	Rs 500/- per month per KW of sanctioned load
Commercial – LT	Rs 60/- per month
Commercial- HT	Rs 1000/- per month per KW of sanctioned load
Industrial – LT	Rs 120/- per month

(8) For HV industrial supply, the rebate for 33 kV and 66 kV supply will be 4% of the energy charge mentioned above and rebate for 132 kV and above supply will be 8%.

(9) Rebate for Cold storage plant exclusively used for fish, sea food, potato and perishable vegetables will be 8% on the energy charge provided payment is made within due date.

(10) The rebate for timely payment to all consumers excluding those covered by item (9) above shall be 2% of the amount of the bill excluding taxes,duties,levies and arrears.

(11) (a) The payment for irrigation unmetered supply shall be made in advance for every quarter for which a rebate of 5% shall be made.

(b) The rate for unmetered temporary supply for STW/ Submersible pumps for 105 days or 90 days shall be per day rate calculated for such categories plus 50% thereon till the rates are revised by the Commission. The payment will be made in advance.

(12) Delayed Payment Surcharge shall be 1.25% per month and / or prorated for part thereof for all consumers for delaying payment beyond due date. However, where the payments are delayed by more than three (3) months from the due date of payment, delayed payment surcharge shall be increased to 1.5% per month for next three (3) months of delay and there after shall be 2% per month. This is without prejudice to the other provision of the Act and Regulations made thereunder.

(13) The drawal of power more than the sanctioned contract demand will attract the following additional charges as may be applicable where meters record demand in KW/KVA for different period and / or consumption in different periods.

Period	Demand charge for the month	Energy charge on excess drawal
During normal period	20% Extra	30% Extra
During peak period	30% extra	100% extra
During off peak period	No extra up to 20% excess and thereafter 10% extra	10% extra after 20% excess

The extra charges are to be based on the extra demand.

(14) Temporary Supply : The rate of temporary supply shall be 8% above the applicable rate of supply for the respective applicable category of supply (class of consumers), but on the basis of the highest rate of such class of consumers. In case there is no appropriate rate tariff, temporary supply shall be charged @ Rs 4.50 per KWH. The basis of calculation for temporary supply shall be as per existing practice.

(15) The statutory levies for electricity duty or any other taxes, duties etc. imposed by competent authorities shall be extra.

(16) The above rates are exclusive of fuel and power purchase cost adjustment (FPPCA) as per formula, direction given in the order and subject to the approval of the Commission.

(17) The tariff shall be applicable from the billing month of / pertaining to April, 2004 and onwards till 31st March, 2005 or as amended/extended by the Commission from time to time as it may deem fit, subject to and in terms of the provisions of the Act and Regulations made thereunder.

(18) Electricity bills as per revised tariff shall be preferred from the billing month of August,2004.Till August,2004, the existing manner of realisation /refund is to continue and be spread over of 12 months in equated equal monthly

instalments. Any refund interims of the order is to be made only after adjusting the previous arrears if any, due from that consumer and be made proportionately to all persons entitled to refund /receipts from the sums realized from the arrears. No interest shall be paid to or by the WBSEB for any realization/refund/adjustment.

(19) If any subsidy under the provisions of the Act is intimated to WBSEB and to the Commission by the Govt. of W.B. with clear indication of the consumers or class of consumers to be subsidized and amount of subsidy is actually paid in advance to WBSEB in cash along with direction, then tariff of such consumers or class of consumers shall be deemed to have been reduced accordingly as has been indicated by the Government. The amount can be given in advance in quarterly instalments. However, if the amount is not received by WBSEB as per stipulations, the tariff as fixed by the Commission shall be applicable.

(20) For details, including those in the Terms and Conditions, the Order of the Commission may be referred to, copies of which can be obtained from the office of the Commission, as per latter's Conduct of Business Regulation.

This Notification has been issued with the approval of the Commission



INDUSTRIAL PROMOTION CELL

The Cell is headed by an officer in the rank of Addl. Chief Engineer and works under the overall control of the Member-Secretary.

Industrial Promotion Cell was formed by WBSEB to focus special attention on setting up of new industries, for expansion of existing ones and for revival of sick industries.

AVAILABILITY OF POWER

WBSEB has built-up adequate power infrastructure for ready power connection to prospective entrepreneurs for setting-up of new (small, medium and large scale) industries as well as for expansion of existing ones.

CLASS OF SUPPLY VOLTAGE

For connected load upto 50 H.P.	400 Volts (Low & Medium voltage)
For ultimate contract demand of 50 KVA and above but upto 1499 KVA	11/6.6/6 kV (High voltage)
For ultimate contract demand of 1500 and above but upto 14999 KVA	33 kV (High voltage)

For ultimate contract demand of 15000 KVA and above 66/132/220 kV (Extra high voltage)

SINGLE WINDOW APPROACH

All formalities and procedures for new industrial power connection and as well additional power supply (under centralized bulk category) are processed by Industrial Promotion Cell through a Single Window. All relevant information including locations with adequate power infrastructure is readily available with the Nodal Officer. The Nodal Officer is also available at the office of West Bengal Industrial Development Corporation at 5, Council House Street, Kolkata-700 001 on Tuesday and Friday every week.

The prospective consumers may also contact following officials for clarification, if necessary.

For low & medium voltage (connected load upto 50 H.P.)	: Station-in-Charge of the Dist. Supply Station.
For decentralized bulk consumers (connected load between 50-500KVA)	: Superintending Engineer, Distribution Circle Office.
For centralized bulk consumers (connected load above 500 KVA)	: Chief Engineer (Commercial)

APPLICATION FEE :

Prospective industrial consumers except Central/State Govt. departments applying for service connection shall have to pay application fee as per rates indicated below :

Sl. No.	Category	Amount of Application Fee
1.	L&MV Industrial	Rs. 2,000/-
2.	H.T.Industrial	
	a) Contract demand of 50 KVA and above but upto 500 KVA	Rs. 20,000/-
	a) Contract demand of above 500 KVA but upto 1499 KVA	Rs. 35,000/-
	c) Contract demand of 1500 KVA and above but upto 14999 KVA	Rs. 50,000/-
	d) Contract demand of 15000 KVA and above	Rs. 2,00,000/-

The application fee is adjusted with the energy bill. In the event consumer drops his application at any stage application fee is refunded to consumer.

Tariff concession under time of the day metering system :

T.O.D. tariff is compulsory for HV and EHV industries connected on or after 01.03.95

Demand charge — Rs. 180/- per KVA per month plus Energy charge.

Period of Consumption	Class of supply voltage	Rate (paise/Kwh)
6.00 AM to 500 PM (Normal period)-A	11/6.6/6 kV	370
	33 kV	358
	66/132 kV	344
5.00 PM to 10.00 PM (Peak period)-B		150% of the rate applicable for the period 'A'
10.00 PM to 6.00 AM (Off-peak period)-C		69% for the rate applicable for the period 'A'

Rebate of 2% of the bill amount (excluding taxes and duties) would be admissible if payment is made within due date. Rebate for 33 kV & 66 kV supply will be 4% of the energy charge and that for 132 kV supply will be 8% of the energy charge.

Security deposit :

Prospective industrial consumers have to pay security as per the following rates :

1. In the shape of Bank Guarantee equivalent to three months energy bills.
Or
2. The Cash equivalent to energy bill for two months. Cash security shall attract payment of simple interest @ 6.0% per annum and the said interest will be adjusted annually with the electricity bill.
Or
3. The bulk consumer may also opt for providing revolving irrevocable and non-recourse Letter of Credit for payment of electricity bill as per WBERC Regulation for a period of not less than 12 months preferably from a reputed Private Sector/Public Sector Bank situated in Kolkata as per Board's prescribed format. The amount of LOC will be equivalent to 1 (one) month of estimated energy bill.

Periodic follow-up :

Industrial Promotion Cell constantly follows-up the applications for bulk power supply (centralized category), to expedite service connection. It interacts with the applicants and also concerned departments so that delay is avoided as far as possible. In the year 2004-05, 16 nos. of new bulk connections under centralized category (load demand above 500 KVA) were affected for contractual load demand to the tune of 35 MVA. Out of 16 new connections 2 nos. are 132 KVA supply. 7 nos. 33 kV supply and 7 nos 11 kV supply. 132 kV consumers who have been connected are Sri Gayatri Minerals and Modern India Concast both located at WBIIDC Growth Centre, Bishnupur, Bankura. Besides enhancement of load demand for 25 nos. of existing bulk consumers were also effected.

The Board convenes Review Meetings once in each month with heads of the concerned department for taking a stock towards progress of liquidation of pending bulk connection under centralized category. To expedite the service connection to bulk consumers Board vide its O/O. No. 6062 dtd. 31.07.03 had decided that work order for service connection to prospective bulk consumers may be issued on receipt of at least 50% security deposit in cash or in the form of Bank Guarantee, but balance amount to be paid before commencement of supply. Industrial Promotion Cell circulates detailed status report of every stage as on 15th of every calendar month in respect of all intending bulk consumers under centralized category until the service connection is effected. Industrial Promotion cell also arranges joint inspection programme for each intending bulk consumers immediately on receipt of application fee with the concerned department of the Board.

Industrial bulk consumers who apply for construction power get clearance immediately after joint inspection of their proposed factory site is completed and their firm power supply arrangement is found to be feasible.

Besides, Industrial Promotion Cell also deals with the existing bulk consumers complaints as and when received. The complaints are mostly about enhancement/reduction of contractual demand, quality of power supply, frequent interruption as well as commercial aspects of offer and other related matters, which is taken up with the concerned department for redressal.

Future prospect :

Due to high demand of steel in open market a good number of entrepreneurs are approaching to set-up Mini Steel Plants in the Districts of Howrah, Hooghly, Bankura, Midnapur (East & West) and Purulia. M/s. Ramsarup Lohh Udyog is setting-up a Mini Steel Plant at Kharagpur with load demand of 20 MVA. Malancha and Rajpur mouzas in P.S. Kharagpur are developing as Industrial hub. Board is constructing one 132/33 kV Sub-station at Kharagpur to feed industrial consumers and possession of land (7.46 acres) has been received on 08.04.05 from Ramsarup Lohh Udyog. Turning to district Howrah several industrial parks are being established over there. These are Rubber Park, Foundry Park, Chemical Park, Food Park and Poly Park and their aggregated load demand is to the tune of 185 MW. Board is building up necessary infrastructure to cater power supply to these parks and with this aim in view. Member (Commercial & HRD) along with our other engineers and General Manager, WBIDC have already conducted preliminary site inspection in the month of March, 2005. Several entrepreneurs are interested to set-up Mini Steel Plants in P.S. Raghunathpur and P.S. Neturia of Purulia District. To improve our power system in that area Board is planning to set-up one 132/33 kV Sub-station in P.S. Raghunathpur so that power supply at proper voltage with less interruption may be catered to entrepreneurs. Member (Commercial & HRD) visited Purulia in the month of April 2005 for this purpose and plot of land for construction of 132 kV Sub-station has been identified. Salt Lake Electronic Complex at Sector-V continues to be an attractive location for Software Industry. To name a few M/s. Phonix Software, M/s. CCAP Ltd. and M/s. Kariwala Industries have applied for bulk power supply and their service connection is in progress.



INDUSTRIAL RELATIONS CELL

The cell is headed by an officer in the rank of Sr. Manager (P&A) and works under overall supervision of the Member-Secretary. The Corporate Industrial Relations cell deals with all matters relating to employees of Class-II, Class-III and Class-IV category ranging from appointment to retirement and even post retirement matters, as classified below :

- ◆ **Orders issued under Assured Promotion Scheme** : 4728.
- ◆ **Disciplinary Proceedings** : 32 cases
- ◆ **Voluntary Retirement cases processed** : 101
- ◆ **Appointment Order issued** : Direct recruitment 15 & appointment of dependant under died-in-harness category-1.
- ◆ **Processing of PIS formats and Data Entry of Class-II officers** : 122
- ◆ **Re-Organisation and restructuring** :

Division	Bifurcated Order issued : 1
Barasat & Basirhat :	Bifurcation of existing Barasat (D) Division and creation of new Basirhat (D) Division

Abolition of existing ESSD/Sector	Re-named as
1. Midnapur ESSD B. R. Sector	Midnapur Gr. E/S B. R. Gr. E/S
2. Malda ESSD Rathbari Sector Fulbari Sector Mokdumpur Sector	Rathbari Gr. E/S Fulbari Gr. E/S Mokdumpur Gr. E/S
Berhampur Town ESSD Khagra Sector ES Gorabazar Sector ES Cossimbazar Sector ES	Khagra Gr. E/S Gorabazar Gr. E/S Cossimbazar Gr. E/S
Krishnanagar Town ESSD Power House Sector Radhanagar Sector High Street Sector	Power House Gr. E/S Radhanagar Gr. E/S High Street Gr. E/S
Ranaghat ESSD Ranaghat (N-S) Sector Ranaghat East Sector Aistala Sector Gangnapur Sector	Ranaghat (N-S) Gr. E/S Ranaghat East Gr. E/S Aistala Gr. E/S Gangnapur Gr. E/S
Kalyani Gr. ES Sector-cum-S/D	Kalyani Gr. E/S
3. Bhatpara ESSD Shyamnagar Sector Authpur Sector Kankipara Sector Bhatpara Sector	Shyamnagar Gr. E/S Authpur Gr. E/S Kankinara Gr. E/S Bhatpara Gr. E/S

Titagarh ESSD

Anandapuri Sector
Talpukur Sector
Jaffarpur Sector

Anandapuri Gr. E/S
Talpukur Gr. E/S
Jaffarpur Gr. E/S

Sodepur ESSD

Sodepur Sector
Pansila Sector
Agarpara Sector

Sodepur Gr. E/S
Pansila Gr. E/S
Agarpara Gr. E/S

Hooghly-Chinsurah ESSD

Mughaltuli Sector
Pipulpati Sector
Tolafatak Sector
Ballymore Sector

Mughaltuli Gr. E/S
Pipulpati Gr. E/S
Tolafatak Gr. E/S
Ballymore Gr. E/S

Chandannagar ESSD

Chandannagar Sector-I
Chandannagar Sector-II
Chandannagar Sector-III

Chandannagar Gr. ES-I
Chandannagar Gr. ES-II
Chandannagar Gr. ES-III

4. **Bifurcation of Gr. E/S**

Baguiati Gr. E/S (Existing)

Teghoria Gr. E/S/(Newly created)

◆ **Transfer Order issued :**

Transfer of employees along with diversion of the employees from **S.T.P.S. & B.T.P.S., WBPDC** to **WBSEB** during the period from **01.04.2004 to 31.03.2005** is given below :

Transfer & Posting :

a)	Order issued from Corp. Transfer Cell	286
b)	No. of employees transferred	435
c)	Order modified	36
d)	Order Cancelled	14

◆ Apart from above, activities on processing of huge record/data/files, normal day to day work are also performed by the I.R. A synopsis of other activities and achievement during **2004-2005** of I.R. Cell are also stated below :

A	Processing deceased dependant cases	542
B	Absorption after completion of training	102
C	Waival of probation period	5
D	Senior Scale Determination	19
E	Career Advancement Scheme	24
F	Resignation	9
G	Termination (Voluntary desertion etc.)	4
H	Settlement of disputes of arrear payment	6
I	Confirmation in Board's Service/order on Leave Encashment	8
J	Salary dispute/family dispute	12
K	Step-up	60
L	Charge allowance	2
M	No Demand Certificate / No Objection Certificate / Police Verification Report/Medical Examination / Allotment and retention of quarter / Change of address and change of surname, confirmation of date of birth, deputation, Union's representations	432
N	Past service counting/subsistence allowance	12

CENTRAL STORES AND PURCHASE DEPARTMENT

Introduction :

The Central Stores & Purchase Department is headed by the Material Controller, an officer in the rank of Chief Engineer entrusted with the procurement and management of materials and equipment and systematic storing in different stores under the department.

The functions of this department may be broadly classified as follows

- * Procurement of high value materials and equipment as per Central List of Items
- * Storing of materials in Chord Road Central Stores and six other Regional Stores
- * Disposal of scrap and obsolete materials

The functions of this department as briefed above are performed by different sections as indicated herein below :

1. Purchase Section :

Purchase Section comprises of three Purchase Circles and activities of Purchase Sections for 2004-05 is shown below

- i) 40 Nos. of tenders were finalised against which 224 Nos. orders have been placed
- ii) Total value of orders placed (both for WBSEB & WBREDC Ltd.) : Rs. 236.70 crores

2. Monitoring Section :

This section is entrusted with the task of vendor rating and follow up of delivery schedule.

3. Technical Section :

This section is responsible for scrutiny/updating of Technical Specification and preliminary technical evaluation of bids.

4. Inspection & Quality Assurance Section :

The Inspection Section was primarily conceived as one of the important sections entrusted with the task of inspection of materials and equipment in various Manufacturers'/Suppliers' Works within the State of West Bengal as well as outside the province. During the year 2004-05 616 inspection jobs were undertaken in respect of items of materials/equipment as offered against Purchase Orders placed by WBSEB, Zonal Managers of different Zones and Project Managers (RE). In addition to above, 405 inspection programs were executed for materials as offered against Purchase Orders issued by WBREDC and different Zilla Parishads.

5. Activities of Stores Section :

The Stores department controls all the activities of the Central Stores at Chord Road and six other Regional Stores situated at different locations.

Stores department monitors the inventory of the Central/Regional Stores and highlight the stock of materials in the Weekly Monitoring Meeting with the respective departmental heads for smooth flow of the materials and recently attempts have been made to maintain day-to-day stock of materials through MMIS Software Package introduced by the SATCOM Project.

Disposal of Scrap Materials lying at different locations of the WBSEB is being monitored and made through MSTC Ltd. (A Govt. of India Undertaking). The civil maintenance of the Store is being monitored from this office.

(a) Stock value positions of different Stores as on 31.3.2005 are shown below. The activities of Majerhat Regional Store has been closed in January 2004 and all materials have been shifted to C.R.C.S.

Store	Closing Balance (in Rupees)
Burdwan Regional Store	7,83,22,901
Chinsurah Regional Store	6,07,60,506
Chord Road Central Store	14,69,07,837
Malda Regional Store	5,47,70,375
Midnapur Regional Store	6,00,63,593
Siliguri Regional Store	8,58,16,110
Santipur Regional Store	6,77,02,682
Total	55,43,44,004

(b) Disposal of scrap in 2004-05 : Rs. 3,39,56,693.48

During the financial year 2004-05 the following cases are placed to STC-I/Board for approval in order to place the order for procurement after necessary approval :

Total No. of STC-I meeting held	No. of Agenda discussed in STC-I	No. of Proposals as per Agenda passed by STC-I	No. of proposals as per Agenda recommended by STC-I for placement to Board
21	138	65	31

6. **Activities of Claims Section :**

Claims :

The salient datas of Claims Section under CS&PD during 2004-05 :		
1.	Total No. of Insurance Policies of different assets of Board	26 Nos.
2.	Total Value of the assets covered	Rs. 2,22,37,62,936
3.	Total amount of Premium paid	Rs. 51,87,943
4.	No. of Claims settled from the Insurer and amount thereof	1 No. Rs. 9,09,611
5.	No. of claims settled from Railway Claims Tribunal and amount thereof	2 Nos. Rs. 22,137
6.	No. of claim preferred to Insurance Co.	3 Nos. Rs. 85,99,317

7. **Movement Section :**

Procurement of Rail Pole & Steel Section and Logistic Arrangement during the Year 2004-05.

(A) **Procurement :**

i)	No. of order placed	7 Nos.
ii)	Steel Sections ordered quantities	4301 M.T.
iii)	Steel Sections lifted & delivered	3843 M.T. (approx)
iv)	Rail Pole ordered quantities	3622 M.T.
v)	Rail Pole lifted & delivered	3619 M.T. (approx.)
vi)	Total Value of Steel Section & Rail Pole	Rs. 18,88,60,121/- only (Approx.)
vii)	Claims & settlement	11 short/damage Rail Pole returned and value realised from M/S SAIL

(B) Utility Department :

- i) Distribution Wing.
- ii) RE (Dist. - Constr.) Wing.
- iii) Transmission Wing.
- iv) WBREDC Ltd.

(C)

	Name of the Supplier		Tender issued to
i)	M/s. Steel Authority of India Ltd.	i)	M/s. Steel Authority of India Ltd.
ii)	M/s. Rashtriya Ispat Nigam Ltd.	ii)	M/s. Rashtriya Ispat Nigam Ltd.
iii)	M/s. Indian Iron & Steel Co. Ltd.	iii)	The Indian Iron & Steel Co. Ltd.
		iv)	The Tata Iron & Steel Co. Ltd.

(D) Logistic Arrangement :

77 Transportation Order issued as per Biennial Rate Contract Transport Orders for lifting the Steel materials from Stock Yard and delivery at different stores.

8. Activities of Accounts Section :

Finance and Accounts Section is responsible for supervision, monitoring and exercising control over the functional areas of this wing and has been sub-divided into different sections based on specific nature of job to be performed. Moreover, the Central Stores and all the seven Regional Stores have been operating with an Accounts set up as Non-Accounting Unit and mainly for Store Accounting purpose.

The summarised activities and achievements of different sections of this wing are as follows :

A) Finance Cell :

- i) The section deals with
 - * Financial scrutiny
 - * Placement of orders for procurement of centralized items including steel
 - * Finalisation of purchase proposals including Agenda of STC-I
- ii) Besides, the section thoroughly scrutinized and advised on the financial matters relating to :
 - * Sale of scrap materials
 - * Rate Contract for transportation of materials
 - * General Rate Contract for repairing and Distribution of Power Transformers
 - * Rate Contract for repairing of Energy Meters (1-Ph. & 3-Ph.)
 - * Rate Contract for procurement of Ceiling Fans
 - * Publication of Fixed Price List of Central items
 - * Central Enlistment for suppliers of materials of different items of WBSEB
- iii) During the year 2004-05 dealt with various proposals of above categories and in different stages was about 165 nos.

B) Bill Passing Cell (Party Claims) :

- i) The section *interalia*, deals with processing and passing of all bills of Sundry Creditors supply materials to WBSEB (except those for Energy Meters as are dealt from Dist.H.Q.) against Purchase Orders placed from CS&PD Purchase Wings. Party bills concerned with major payment (90%) are passed very promptly in a systematic manner and effectively so as to ensure release of payment of such bills in chronology of bills received through Bill Inward Register.
- ii) Under this section the Bills/Claims of Transport Contractors who carried out transportation of Store materials from Central Store and/or Regional Stores to any other Store units (outside the control of CS&PD) of WBSEB and bills of transportation

of Steel materials from the Steel Yards to the Central & Regional Stores are processed and duly certified by the authorities of Store Units under CS&PD. Bills are processed according to the guidelines contained under Road Transportation Orders, effective from 1.9.2001.

Achievements of targets under Bill Passing Section (party claims) during 2004-2005 are as follows :

Nature/Office	Bills disposed of (Nos.)	Amount involved (Rs.)
I. WBSEB (Suppliers Bills)	3081	193.30 Crores
II. WBSEB (Transport Bills)	2503	1.47 Crores
III. WBSEB (100% Metering Bills)	492	4.69 Crores

C) Treasury Cell & Cash Cell :

During the year 2003-2004 disposed of E.M.D. refund cases : Nos. (Rs. 61.99 Lakh).

- i) Treasury Section manually deals with maintenance of Bank Books for releasing of different payments of Suppliers, Creditors, Employees based on the passed bills received from other functional sections of this Wing, to issue Cheques and to reconcile actual position of transactions.

The entire transactions are done through two Bank Accounts (i) with United Bank of India, Mayukh Bhawan Branch and (ii) with United Commercial Bank, Salt Lake Sector-II

All endeavour was made by the concerned employees for prompt disposal of chronological fund based payments. One of the major achievement is opening of two in one account with United Bank of India. Objective of opening such account is to earn interest on available fund with Current Account through periodical transfer to short term F.D. account.

	United Bank of India	United Commercial Bank
Total vouchers drawn (Nos.)	2522	1840
Total cheques issued (Nos.)	1378	1108
Total amount involved (Rs.)	194.81 crores	6.42 crores

- ii) Cash Section deals with disbursement of payment to employees and Suppliers/Contractors from the counter of this office and looks after smooth remittance of payment to 7 (seven) Store Units (Central and Regional Stores) under CS&PD.
- iii) During the financial year 2004-2005, a Sum of Rs. 10,05,683/- (Rupees Ten Lakh Five Thousand Six Hundred Eighty Three) has been earned as interest by arranging Auto-Transfer facility with Current Account maintained with U.B.I., Mayukh Bhawan Branch.

D) Compilation and Store Accounting Cell :

This section deals with compilation of monthly/yearly accounts of CS&PD including Store Accounting for all the Regional Stores (7 Nos.) and Central Store. Monthly cash flow statement is also prepared at this section for timely submission to the Corporate Compilation Section. Also dealing with Budget Estimate, preparation of Stock Value Statements and reply to Audit queries relating to accounts etc. all endeavour was made to ensure timely submission of accounts with necessary interactions with the Store Unit (7 Nos.) for collection of data/information from the said Non-Accounting Units.

This section also looked after the Earnest Money Deposits for all types of Suppliers/Contractors and disposal of the same. Also deals with maintaining Security Deposits of enlisted Contractors engaged in repairing of transformers.

Under this section some personnel have also been entrusted to deal with processing, passing of bills and allied jobs on Board's 100% Metering Project being implemented through different orders entrusted to M/s. Secure Meters Ltd. for a total Project Cost of Rs. 49.50 Crores. This project is concerned with supply, installation of meters and accessories on all H.V. & EHV Sub-Stations under P.F.C. Loan Scheme (No. 50107004 & No. 50107013). The entire work of bill passing, record building, PFC Loan reimbursement and allied works are done by the existing staff of Compilation Group.

E) Pay & Establishment Cell :

- * Preparation of salary Bills
- * All sorts of personal claims of employees and ex-employees
- * Processing and passing of claims of creditors
- * Stationary bills
- * Hiring of vehicles
- * Maintenance of Service Books and Leave Accounts etc.
- * Preparation of HBL recovery statements etc.

9. Activities of Personnel & Administrative Section :

Personnel & administrative matters of Central Stores & Purchase Department including Chord Road Central Stores and other Regional Stores were taken due care by the Personnel & Administrative section, headed by Sr. Manager (P&A) with assistance of others.

Industrial relation during the period was throughly harmonious.



CENTRAL TESTING DEPARTMENT

Central Testing Department is headed by an Addl. Chief Engineer with Head-quarters at Abhikshan Building, Salt Lake.

Besides the set-up at H.Q, there are two Testing Circles headed by Superintending Engineer, one at Siliguri and one at Durgapur, each having two Testing Divisions i.e. one at Circle H.Q. and other at Malda and Burdwan respectively.

Functions :

Central Testing Department looks after the commissioning job relating to generation station (excluding auxiliary system), Transmission & Distribution including entire protection system and metering system in connection of bulk power supply to the consumers and its maintenance. Acceptance test of Distribution Transformers as well as Power transformers upto 66 kV & 33 kV system are carried out by CTD by its own instrument. Also acceptance test of Protection Relays, Bulk Tariff Meters and Instruments are carried out at Central Testing Laboratory.

This department undertakes repairing and re-testing of defective Relays, instruments and Bulk Tariff Meters in a phase and regular manner. Cable fault location detection is also carried out. Acceptance Test of new transformer oil at manufacturers works with the help of their instrument is witnessed by C.T.D. Engineers and routine test of some parameters of transformer oil are carried out at C.T.D, Abhikshan and selectively at Site Offices.

Under Central Testing H.Q. there are two laboratories i.e. one for Bulk Tariff Meter Testing etc. (Meter Lab.) and other one for testing of Protection Relays, transformer oil etc. (Relay Lab.) and one transformer repairing workshop at Abhikshan for repairing and testing of power transformers, CTs and PTs.

Major Achievement :

During the year 2004-2005 following testing work were taken up by the Central Testing Department.

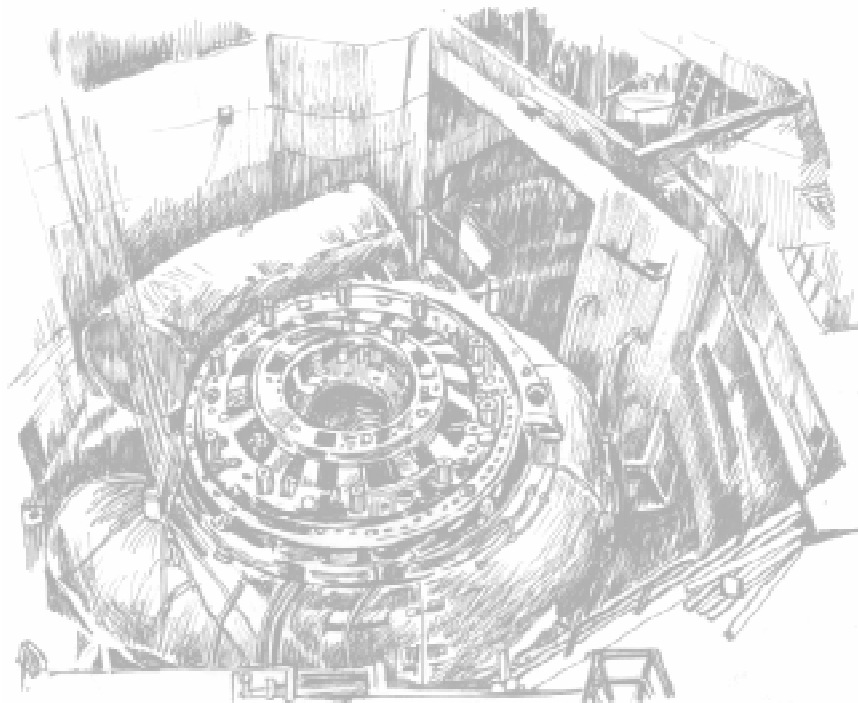
- 1) Attended metering scheme of energy audit in 175 Sub/Stn.
- 2) Commissioning of EHT Sub/Stn. under JBIC scheme
- 3) Testing work related to ULDC project

1) Commissioning work		
i)	New generators commissioned	
	a) Number	: Nil
	b) Aggregate	: Nil
ii)	New Transformer upto 400 kV Grade Commissioned :	
	a) Number	: 125
	b) Aggregate (MVA)	: 1996.85
iii)	New Circuit Breaker Commissioned	:
	a) Number of 400/200/132 kV Breaker	: 55
	b) No. of 66/33/25 kV	: 110
	c) No. of 11/6.6/3.3 kV	: 491
iv)	Commissioning of Reactor/Capacitor	
	a) Number (Capacitors)	: 2
	b) M.V.A.R.	: 51.2

2) Break-down, maintenance of modification work	
i) Aggregate MVA of Transformer attended & recommissioned	: 2689.95
ii) No. of Circuit Breakers attended & recommissioned	
a) 25 kV & above	: 63
b) Below 25 kV	: 70
iii) No. of S/Stn. where routine maintenance of relay were undertaken	: 72
iv) Various other breakdown & modification works	: 587
v) Re-commissioning on Generators	: 1 (1.2 MW)
1. Testing	
a) Instruments	: 1206
b) Relays tested	: 1893
c) CT's & PT's	: 2175
d) Oil samples tested at Lab.	: 766
e) Other equipment tested (Temp. indicator, Buchholz relay)	: 360
2. Repairing	
a) Instruments	: 204
b) Relays	: 367
c) Megger	: 85
d) Winding of coils	: 127
3. a) Cable testing, H.P. Testing & Special Testing	: 30
b) Cable fault locations at different places	: 47
c) Transformer testing at manufacturers premises	: 5388
d) Transformer oil testing at manufacturers premises	: 414KL
e) Dynamic short ckt. & impulse testing witnessed	: 5
4. Repair/Reconditioning of Transformer/CT/DT etc.	
i) No. of Transformers repaired (Workshop)	: 3
ii) Aggregate MVA of (i)	: 5.2
iii) No. of CT's reconditioned at Workshop	: Nil
iv) No. of PT's repaired/reconditioned at Workshop	: Nil
v) No. of Bushing/repared/reconditioned at Workshop	: Nil
vi) No. of Transformer repaired at site	: 8
vii) Aggregate MVA of (vi)	: 53
viii) Survey of defective transformer at site	: 20 (162.4MVA)
ix) Survey of defective transformer at repairer's premises	: Nil
x) Testing of (New/Repaired) Transf. at factory premises	: 4 (181.5MVA)

5. Centralised & Decentralised bulk consumers' meters & accessories

i) No. of LT/HT/KVA Rh meter tested at Laboratory	:	Nil
ii) No. of LT/HT/KWh meter tested at Laboratory	:	Nil
iii) No. of TVM/TGM tested at Laboratory	:	Nil
iv) No. of TOD meters tested at Laboratory	:	635
v) No. of bulk consumers tariff meters attended	:	1982
vi) As found test of Energy Meter	:	8
vii) No. of meters tested on chargeable basis	:	84
viii) Testing of Inter-organisational meters between WBSEB & other agencies	:	86
ix) Traction meter	:	6
x) No. of S/Stn. attended for energy audit metering	:	175



COMMUNICATION WING

Communication Wing is headed by Chief Engineer (Communication). This Wing is entrusted with the responsibility of installation, testing, commissioning and subsequent maintenance of communication equipment e.g. VHF, PLCC, HF, Telemetry and Carrier Aided Teleprotection equipment throughout West Bengal. It has been functioning with its headquarters at Abhikshan Building at BN Block, Sector-V, Salt Lake, Kolkata - 700 091. It has five independent field Divisions at Kolkata, Howrah, Durgapur, Malda and Siliguri under two Circles (SB & NB). Besides, there are three independent Sub-Divisions at Birpara, Berhampur and Adisaptagram. One Superintending Engineer is looking after Communication H.Q. including Central Communication Repairing Laboratory and Central Stores. The function of Central Laboratory is to deal with testing and calibration of various equipment and repair work of sophisticated electronic modules of different types of VHF, PLCC, HF, EPAX and Telemetry equipment. No repairing work is vested on any contractor or manufacturer of the equipment unless the fault is very critical and such repair is beyond the scope of this department with existing instrumental set up. Moreover Communication Wing is equipped with a Centralised Accounts Department headed by an Assistant Manager (F&A). All works relating to establishment, personnel matters, procurement of stationeries, furniture etc. are done by P&A wing headed by Deputy General Manager (P&A).

This wing is entrusted with the responsibility of the following :

- * Existing SCADA under CMC Project for 10 stations are now maintained by Communication department
- * Work related with installation, testing and commissioning of ULDC project work proposed for 47 RTU locations including North Bengal & South Bengal
- * Work related with upcoming WBSEB Microwave project for its future utilisation under ULDC scheme
- * Installation, testing and commissioning of PLCC equipment for voice, data and teleprotection system
- * Testing and commissioning of VHF base stations
- * Routine and breakdown maintenance of PLCC, VHF and HF links at various stations
- * Replacement/augmentation of PLCC terminals, charger, auto dialling equipment etc.
- * Temporary VHF networking for Ganga Sagar Mela, Pous Mela and Joydeb Mela etc. to extend supportive services to Distribution Wing
- * To interact with the field divisions for technological upgradation and development in the communication network
- * Carrier added Protection system of 400 kV & 220 kV lines are being looked after by this Wing

TESTING AND COMMISSIONING OF PLCC LINKS WITH TRUNK DIALLING FACILITY

Under Siliguri Commn. Divn.	
Sl. No.	Name of New PLCC Link
1.	NJP – ALDC (2 Nos.)
2.	NJP – TCF (PS-I)
3.	Birpara – Alipurduar
4.	Birpara – Chalsa

Under Calcutta Commn. Divn.	
Sl. No.	Name of New PLCC Link
1.	220 kV Carrier Protection in Lakshikantapur-Jeerat Link

Under Howrah Commn. Divn.		
Sl. No.	Location of New PLCC Sets installed	
1.	Howrah	- 4
2.	Liluah	- 8
3.	BTPS	- 4
4.	KTPP	- 3
5.	New Haldia	- 3
6.	Domjur	- 1
7.	Jangipara	- 1

Under Malda Commn. Divn.	
Sl. No.	Name of New PLCC Link
1.	Gangarampur – Raiganj
2.	Gangarampur – Balurghat
3.	Malda – Malda PGCIL

INSTALLATION AND COMMISSIONING OF NEW VHF LINKS

Under Calcutta Commn. Divn.	
Sl. No.	Name of New VHF Sub-station
1.	Deulberia 33 kV S/S
2.	Anulia 33 kV S/S
3.	Baruipur 33 kV S/S
4.	Gangnapur 33 kV S/S
5.	Kalikapur 33 kV S/S

Under Howrah Commn. Divn.	
Sl. No.	Name of New VHF Sub-station
1.	Sankrail 33 kV S/S
2.	Gopali 33 kV S/S
3.	New Haldia 220 kV S/S
4.	Chingra 33 kV S/S
5.	Gopiballavpur 33 kV S/S
6.	Narayangarh 33 kV S/S
7.	Jangipara 132 kV S/S
8.	Moyna 33 kV S/S

Under Durgapur Commn. Divn.	
Sl. No.	Name of New VHF Sub-station
1.	Lalbagh 33 kV S/S
2.	Khondoghosh 33 kV S/S
3.	Jalangi 33 kV S/S
4.	Chatna 33 kV S/S
5.	Manjura 33 kV S/S
6.	Rejinagar 33 kV S/S
7.	Badkulla 33 kV S/S
8.	Ranibadh 33 kV S/S

Under Malda Commn. Divn.	
Sl. No.	Name of New VHF Sub-station
1.	Gangarampur 132 kV S/S

Under Siliguri Commn. Divn.	
Sl. No.	Name of New VHF Sub-station
1.	Pandapara 132 kV S/S
2.	Ghoshpukur 33 kV S/S
3.	Lodhan 33 kV S/S

Repair Work done by Howrah CLD for SCADA

1.	Transducer card for SCADA	: 30 Nos.
2.	RTU card for SCADA	: 3 Nos.
3.	UPS control card for SCADA	: 4 Nos.
4.	Hardware of SCADA	: 8 Times
5.	Software problems	: 48 Times
6.	Software modification	: 19 Times

REPAIR WORK COMPLETED DURING 2004-2005

Sl. No.	Name of Equipment	HQ/Cal	Howrah	Durgapur	Malda	Siliguri
1.	VHF Set	126	84	24	20	28
2.	12 V Battery charger	63	60	30	30	20
3.	Desk top microphone	53	28	7	5	
4.	Fist microphone	29	6	7		
5.	W/T Set	369	43	48	44	94
6.	Two Position battery charger	128	21	22	12	25
7.	Telephone sets	41	30			
8.	Cards for PLCC set	73	7	40	29	35
9.	Cards for EPAX / MDX	10	10			
10.	48V Battery charger	1	48	3	3	5

WORK COMPLETED UNDER ULDC PROJECT

RTU has been commissioned at 14 locations in SB. These are (1) Arambag (2) BKTPP (3) BTPS (4) Durgapur (5) Domjur (6) Gokarna (7) Howrah (8) Jeerat (9) Kasba (10) Liluah (11) Rishra (12) STPS (13) Satgachia (14) KTPS

RTU has been commissioned at 11 locations in NB. These are (1) Alipurduar (2) Birpara (3) Chalsa (4) New Jalpaiguri (5) NBU (6) Rammam (7) Malda (8) Raiganj (9) TCF-I (10) TCF-II (11) TCF-III.

Most of the data are coming to Howrah for effective control of system by the Control Engineers of Howrah CLD.

There are 5 workstation for operation personnel at Howrah CLD, 2 Data Server and other computers installed for power system monitoring purpose.

SCADA system under ULDC project is now ready for CLD operation.

SATCOM PROJECT

SATCOM Project is headed by an Additional Chief Engineer, who directly reports to the Member (Transmission).

Additional Chief Engineer leads a team comprising of three Superintending Engineers, four Divisional Engineers, four Assistant Engineers, Manager (P&A), Assistant Manager (F&A) and Junior Manager (P&A).

Activities of SATCOM Project :

Hardware

- ◆ Operation & Management of Central Hub of WBSEB's Closed User Group VSAT Network in 24 x 7 manner
- ◆ Installation and commissioning of VSAT equipment and UPS at different EHV Sub-stations
- ◆ Maintenance of Computers, associated peripherals. UPS installed at different DCCs, Sub-stations, Power Stations, Central & Regional Stores, CLDs and administrative offices
- ◆ Maintenance of the VSAT equipment installed at Central Hub and at different DCCs, Sub-stations, Power Stations, Central & Regional Stores, CLDs and administrative offices.
- ◆ Close liaison and coordination with Network Operations Control Centre for effective Operation and Monitoring of the Closed User Group VSAT Network
- ◆ Regular interaction with Standing Advisory Committee for Frequency Allocation (SACFA) and Wireless Planning and Coordination (WPC) Wing for obtaining various type of statutory clearances and license renewal

Software

- ◆ Material Management Inventory Control System (MMIS) Software – Installation, maintenance, time to time upgradation and fine tuning of the software. Implemented at Vidyut Bhavan, Central Store, Regional Stores, Sub-stations, Power Stations, DCCs etc. under WAN environment
- ◆ Management Information System (MIS) Software – Installation, maintenance, time to time upgradation and fine tuning of the software. Implemented at Vidyut Bhavan, Sub-stations, Hydrel Power Stations, DCCs etc. under WAN environment
- ◆ Application Monitoring System (AMS) Software – Development, installation, maintenance, time to time upgradation and fine tuning of the software. Implemented at different group electric supply where computerised cash collection system has been implemented.

Achievements

1. Computerisation have been implemented in Client-Server architecture using UNIX as O/S and Oracle as RDBMS at following locations

Head Office	Vidyut Bhavan
DCCs – 38 nos.	Alipurduar DCC, Arambag DCC, Asansol DCC, Balurghat DCC, Bankura DCC, Barasat DCC, Barrackpur DCC, Baruipur DCC, Behala DCC, Berhampur I & II DCC, Burdwan DCC, Chandannagar DCC, Contai DCC, Coochbehar DCC, Darjeeling DCC, Durgapur DCC, Habra DCC, Haldia DCC, Howrah DCC, Jalpaiguri DCC, Kalyani DCC, Katwa DCC, Kharagpur DCC,

Head Office	Vidyut Bhavan
Stores – 7 nos.	Krishnanagar DCC, Kurseong DCC, Malda DCC, Naihati DCC, Purulia DCC, Raiganj DCC, Rampurhat DCC, Sreerampur DCC, Siliguri DCC, Suri DCC, Tamluk DCC, Tehatta DCC, Uluberia DCC Central Store, Burdwan Regional Store, Chinsurah Regional Store, Malda Regional Store, Midnapur Regional Store, Siliguri Regional Store, Shantipur Regional Store
Power Stations – 9 nos.	Bandel TPS, Santaldih TPS, Rammam HPS, Jaldhaka I & II HPS, TCF I, II & III HPS, Haldia GTS
Administrative Offices – 6 nos.	Howrah CLD, Siliguri CLD, Hydel HQ., PPSP Administrative Building, Abhikshan, TCF HQ
EHV Sub-stations – 4 nos.	Jeerat 400 kV S/S, Kasba 220 kV S/S, Durgapur 220 kV S/S, Arambag 400 kV S/S

2. Equipment for Wide area VSAT Network using **Extended-C** band transponder of **Insat-3C** have been installed at following sites :-

Head Office	Central HUB and Colocated Hub at Vidyut Bhavan
DCCs – 36 nos.	Alipurduar DCC, Arambag DCC, Asansol DCC, Balurghat DCC, Bankura DCC, Barasat DCC, Barrackpur DCC, Baruipur DCC, Behala DCC, Berhampur II DCC, Burdwan DCC, Chandannagar DCC, Contai DCC, Coochbehar DCC, Darjeeling DCC, Durgapur DCC, Habra DCC, Haldia DCC, Howrah DCC, Jalpaiguri DCC, Kalyani DCC, Katwa DCC, Kharagpur DCC, Krishnanagar DCC, Kurseong DCC, Malda DCC, Naihati DCC, Purulia DCC, Raiganj DCC, Rampurhat DCC, Sreerampur DCC, Siliguri DCC, Suri DCC, Tamluk DCC, Uluberia DCC
Stores – 7 nos.	Central Store, Burdwan Regional Store, Chinsurah Regional Store, Malda Regional Store, Midnapur Regional Store, Siliguri Regional Store, Shantipur Regional Store
Power Stations – 11 nos.	Bandel TPS, Santaldih TPS, Rammam HPS, Jaldhaka I & II HPS, TCF I, II & III HPS, Bakreswar TPS, Kolaghat TPS, Haldia Gas Turbine Station
Administrative Offices – 9 nos.	Howrah CLD, Siliguri CLD, Hydel HQ., PPSP Administrative Building, Abhikshan, TCF HQ, Burdwan ZM Office, Siliguri ZM Office, New Secretariat Building
EHV Substations – 46 nos.	Jeerat 400 kV S/S, Kasba 220 kV S/S, Durgapur 220 kV S/S, Arambag 400 kV S/S, Adisaptagram 132 kV S/S, Alipurduar 132 kV S/S, Ashokenagar 132 kV S/S, Berhampore 132 kV S/S, Bishnupur 132 kV S/S, Birpara 132 kV S/S, Chandrakona Road 132 kV S/S, Dalkhola 132 kV S/S, Darjeeling 132 kV S/S, Debagram 132 kV S/S, Dharampur 132 kV S/S, Gokarna

Head Office	Central HUB and Colocated Hub at Vidyut Bhavan
	132 kV S/S, Hizli 132 kV S/S, Joka 132 kV S/S, Lakshmikantapur 132 kV S/S, Malda 132 kV S/S, Midnapur 220 kV S/S, Rishra 132 kV S/S, Satgachia 132 kV S/S, Tamluk 132 kV S/S, Balurghat 132 kV S/S, Bankura 132 kV S/S, Barasat 132 kV S/S, Bolepur 132 kV S/S, Bongaon 132 kV S/S, Calcutta Leather Complex 132 kV S/S, Chalsa 66 kV S/S, Coochbehar 132 kV S/S, Kalimpong 66 kV S/S, Katwa 132 kV S/S, Kolaghat 132 kV S/S, Liluah 132 kV S/S, Mankar 132 kV S/S, New Haldia 220 kV S/S, N.J.P 22 kV S/S, Purulia 132 kV S/S, Raghunathganj 132 kV S/S, Raiganj 132 kV S/S, Rampurhat 132 kV S/S, Siliguri Power House 132 kV S/S, Sonarpur 132 kV S/S, Titagarh 132 kV S/S

Achievements during the period 2004 - 2005 :

1. Installation of VSAT have been completed at following sites :-

<ul style="list-style-type: none"> ◆ Burdwan ZM Office ◆ Bankura 132 kV S/S ◆ Bolepur 132 kV S/S ◆ Calcutta Leather Complex 132 kV S/S ◆ Coochbehar 132 kV S/S ◆ Katwa 132 kV S/S ◆ Liluah 132 kV S/S ◆ New Haldia 220 kV S/S ◆ Purulia 132 kV S/S ◆ Raiganj 132 kV S/S ◆ Siliguri Power House 132 kV S/S ◆ Titagarh 132 kV S/S 	<ul style="list-style-type: none"> ◆ Balurghat 132 kV S/S ◆ Barasat 132 kV S/S ◆ Bongaon 132 kV S/S ◆ Chalsa 66 kV S/S ◆ Kalimpong 66 kV S/S ◆ Kolaghat 132 kV S/S ◆ Mankar 132 kV S/S ◆ N.J.P 22 kV S/S ◆ Raghunathganj 132 kV S/S ◆ Rampurhat 132 kV S/S ◆ Sonarpur 132 kV S/S
---	---

2. Installation of Application Monitoring System (AMS) Software have been completed at following Gr.E/S offices :

<ul style="list-style-type: none"> ◆ Krishnapur Gr. Electric Supply ◆ Katwa Gr. Electric Supply ◆ Kharagpur Gr. Electric Supply ◆ Krishnanagar High Street Sector ◆ Rashtala Sector 	<ul style="list-style-type: none"> ◆ Bidhannagar I, II & III Gr. Electric Supply ◆ Bally Gr. Electric Supply ◆ Nabapally Gr. Electric Supply ◆ Patpur Sector ◆ Bishnupur Gr. Electric Supply
--	---

Activities taken up for future implementation :

- ◆ Upgradation of the In-route data speed of the CUG VSAT Network from 64 KBPS to 128 KBPS
- ◆ Implementation of IT Infrastructure at Five new DCCs
- ◆ Extension of Voice facility at Six VSAT locations
- ◆ Upgradation of the already installed Hardware & Software under SATCOM Project to cope with the present need

CENTRAL LOAD DESPATCH

The Central Load Despatch, Howrah is headed by a Chief Engineer. It has wide range of functions which are basically divided into two distinct categories, such as Foreground Mode Functions and Background Mode Functions, which are as follows :

FOREGROUND MODE FUNCTIONS

- ◆ Collection of hourly system data on generation plant availability, load-flow, voltage condition, stock and consumption figures of fuel etc. and logging
- ◆ Continuous monitoring of system-status with regard to frequency and inter-system exchanges including drawal by CESC and other concerns initiating remedial measures etc.
- ◆ Clearance of maintenance programme of Thermal Units and shutdown of major lines both for short and long durations
- ◆ Assisting needy systems both within region and other regions wherever possible by available surplus generation of WBSEB System. Export/Import of power to outside region and inside region is chanelised through different traders like Power Trading Corporation (PTC), NVVNL, Adani Exports Ltd. etc.
- ◆ Exchange of messages with different agencies such as EREB, ERLDC etc. and keeping abreast of the information at the Head-quarters with the latest power position and system condition

BACKGROUND MODE FUNCTIONS

- ◆ Preparation of evening forecast report indicating anticipated power position at peak hours (19-00 hrs. in Summer and 18-00 hrs. in Winter), preparation of co-ordinated daily generation, inter-system exchange and load generation balance schedule on half/quarter hourly basis to meet the system demand in an optimum manner from the angle of economic load despatch
- ◆ Compilation of system data and preparation of different daily/weekly/monthly reports
- ◆ Supply of relevant information regularly to the CEA, EREB, ERLDC, the Head-quarters in connection with answers to Assembly and Parliament questions.
- ◆ Preparation of co-ordinated maintenance schedule of different generating plants and pre-arranged major shut-down of EHV Buses and Feeders and accordingly preparation of Load Generation Balance Report (LGBR)
- ◆ Carrying out periodical computer studies on system operational conditions and various data processing with ERLDC and EREB.
- ◆ Preparation of different statements and other papers for regular discussions with different constituents of EREB in monthly Operation Co-ordination Committee (OCC) meetings for continuous improvement in power system management
- ◆ Interactions with Power Stations, Transmission, Distribution, Testing, Commercial, Planning & Engineering and Communication Engineers on various matters relating to system operation
- ◆ To meet the future requirement for handling more measurements/system data, Unified Load Despatch scheme is being implemented in CLD with 47 (Forty seven) remote terminals to facilitate monitoring power system operation to achieve economic load despatch. Operation of ULDC will commence from June, 2005 with 15 RTUS. Rest will be operated after operation of microwave link at different locations.

WBSEB is engaged in the business of generation, transmission and its area of operation covers the whole state of West Bengal excepting those areas of operation that are covered by other licensee. DVC also caters power to areas which falls under valley areas. At present thermal generation is with WBPDC. WBSEB has in its fold hydel generation.

WBSEB is connected with Eastern Region Power Grid. Eastern Region Power Grid comprises of the power utility in the State of Bihar, Jharkhand, Orissa, West Begal and Sikkim. WBSEB is catering power to core sector, i.e. traction and coal mines. Besides this, WBSEB is catering load to Commercial

Complex, domestic, irrigation, large industrial consumers, military establishment, tea gardens etc. throughout the State of West Bengal except those areas covered by other licensee and the areas supplied as mentioned above. WBSEB is also supplying power to Kolkata Metropolitan Cities as per requirement of CESC.

The function of Central Load Despatch is to balance the load with generation available throughout day and night each day. Generation available consists of entire sent out generation of WBPDC, WBSEB's own generation i.e. Hydel, surplus power of DPL and Central Sector allocation of ISGS and sometimes during evening peak hours power purchase from other sources. The load of WBSEB is its own load plus requirement of CESC and sometimes supplying power to DPL when they have less generation. Generally WBSEB has in its own fold excess power during off-peak hours which generally varies from 500 MW during summer and 1000 MW during winter. The excess power is exported to other States as per bilateral agreement through traders as per Open Access norms. Availability Based Tariff has been introduced in Eastern Region Grid from 01.04.2003 and WBSEB has to follow the norms of Availability Based Tariff. Frequency profile has improved enormously i.e. 98% in the operating region (49 to 50.5 C/S) after imposition of ABT.

Some basic information for the year 2004-2005

The maximum demand of WBSEB during the year 2004-2005 was 2610 MW compared to previous year's 2480 MW.

The average Plant Load Factor of the Thermal Power Station during the year 2004-2005 are given hereunder :

Power Station	2003-2004	2004-2005
B.T.P.S.	36.31	46.34
S.T.P.S.	28.78	31.81
K.T.P.P	62.57	66.87
B.K.T.P.P.	78.16	75.06

The above figures indicates improvement in P.L.F. for BTPS, STPS, KTPS but slight fall in case of BKTPP due to outage of Unit 2 for a prolonged period (7 months) owing to vibration problem.

However, generation in MU for 2004-05 was 15046 compared to 14154 in 2003-2004.

All the above figures have been shown in Annexure (1-7).

LOAD MANAGEMENT HIGHLIGHTS 2004-2005

A. ENERGY CONSUMPTION IN WBSEB (TOTAL) SYSTEM (IN MU) (WBSEB's system demand including supply to C.E.S.C.)			
	2004-2005	2003-2004	Growth (%)
	14910	14402	3.53
B. ENERGY CONSUMPTION IN WBSEB (OWN) SYSTEM (IN MU)			
	2004-2005	2003-2004	Growth (%)
	14160	13460	5.20
C. SUPPLY TO CESC (IN MU)			
	2004-2005	2003-2004	Growth (%)
	750.627	941.676	-20.29
D. ENERGY CONSUMPTION OF WEST BENGAL SYSTEM (IN MU) (excluding valley area served by D.V.C.)			
	2004-2005	2003-2004	Growth (%)
	25293	24066	5.10

POWER SYSTEM AT A GLANCE DURING 2004-2005

1. Total Energy Consumption (MU)	2004-05	2003-04
WBSEB's own System	14009.928	13290.170
Supply to CESC	750.627	941.676
Total	14760.555	14231.846
Load Shedding	149.755	170.304
Total System Demand	14910.310	14402.150
2. Maximum Demand (in MW)	2004-05	2003-04
WBSEB's own System	2600	2480
WBSEB's Total System (including supply to CESC)	2815	2805
Maximum Drawal by CESC	495	450
3. Load Factor	2004-05	2003-04
(a) Yearly WBSEB's own System	62.09%	61.79%
(b) Yearly WBSEB's Total System	60.29%	58.45%
(c) Max. of WBSEB's own System	71.73%	74.00%
(d) Min. of WBSEB's own System	62.88%	63.28%
(e) Max. of WBSEB's Total System	74.20%	73.27%
(f) Min. of WBSEB's Total system	57.88%	57.54%

4. Capacity Ratio of Hydel/Thermal

4.5 : 95.5



ANNEXURE-II

5.	2004-05		2003-04		
	Plant	Gen (MU)	PLF	Gen (MU)	PLF
	BTPS	2151	46.34	1691	36.31
	STPS	1338	31.81	1213	28.78
	KTPP	7381	66.87	6925	62.57
	Bk. T. P. P.	4175	75.66	4325	78.16
	Total	15046	59.23	14154	55.56

6. Maximum Generation (in MW)

BTPS	380
STPS	240
KTPP	1220
Bk. T. P. P.	657
Max. of Total Gen.	2540

7. Maximum Import (in MW)

C-Sector	952	1111
DPL	138	204

8. Break up of Energy (in MU)

WBSEB Generation	508.400
I WBPDCCL	13492.120
M	
P C/S	4423.984
O Trader	61.733
R DPL	196.416
T Total	18174.253
Total System	18682.653
E CESC	750.627
X Trader	3186.115
P Sikkim	42.956
O UI	693.027
R	
T Total	4672.725
WBSEB System Met	14009.928
WBSEB's Load Shed	149.755
WBSEB System Pot	14159.683

ANNEXURE-III

CENTRAL LOAD DESPATCH, WBSEB
ANNUAL REPORT OF WBSEB SYSTEM FOR THE YEAR 2004-2005 (IN MU)

Month	WBSEB GEN	IMPORT			EXPORT CESC	WBSEB SYSTEM DEMAND			% OF SHORTAGE	TOTAL SYS. (INCL.CESC)	MAXIMUM SYSTEM (IN MW)			
		WBPDC	DPL	C-SECTOR		MET	L-SHED	POT			MET	L/S	POT	TOTAL
Apr. 04	25.284	1213.678	43.615	39.957	68.308	1254.226	1.415	1255.641	0.11	1323.949	2489	0	2489	2714
May 04	28.534	1098.038	14.708	134.108	73.770	1201.618	1.982	1203.600	0.16	1277.370	2330	0	2185	2595
June 04	46.728	946.249	8.300	208.114	82.760	1126.631	2.740	1129.371	0.24	1212.131	2067	230	2297	2607
July 04	68.470	1032.731	21.083	175.549	77.226	1220.607	20.134	1240.741	1.62	1317.967	2135	250	2385	2613
Aug 04	75.580	1121.432	-12.083	154.695	90.109	1248.515	18.889	1267.404	1.49	1358.513	2122	274	2396	2606
Sept. 04	69.631	1125.457	19.686	25.360	77.853	1162.281	16.910	1179.191	1.43	1257.044	2180	250	2430	2671
Oct. 04	66.872	1073.839	25.774	31.204	60.026	1137.663	2.125	1139.788	0.19	1199.814	2351	0	2351	2648
Nov. 04	43.772	1115.740	34.870	-130.877	45.054	1018.451	14.168	1032.619	1.37	1077.673	2300	0	2300	2586
Dec 04	18.430	1209.496	14.819	-145.463	44.865	1052.417	18.584	1071.001	1.74	1115.866	2204	0	2204	2489
Jan 05	18.619	1260.936	22.798	-123.719	53.844	1124.790	33.501	1158.291	2.89	1212.135	2065	150	2215	2495
Feb 05	20.429	1097.378	4.840	21.029	17.532	1126.144	10.470	1136.614	0.92	1154.146	2238	120	2358	2602
Mar. 05	26.051	1197.146	-1.994	173.662	58.280	1336.585	8.837	1345.422	0.66	1403.702	2300	300	2600	2815
Total	508.400	13492.120	196.416	563.619	750.627	14009.928	149.755	14159.683	1.06	14910.310	2489	300	2600	2815

CENTRAL LOAD DESPATCH, WBSEB

ANNUAL REPORT OF GENERATION AND GROSS SYSTEM (IN MU) OF WEST BENGAL FOR THE YEAR 2004-2005

MONTH	GROSS GENERATION					IMPORT			EXPORT			U/I	SYSTEM	LOAD SHEDDING		SYSTEM
	WBSEB	WBPDC	CESC	DPL	TOTAL	TRD. (WB)	TRD. (CESC)	C-SECTOR	TRD. (WB)	TRD. (CESC)	SIKKIM	EXCHANGE	MET	WBSEB	CESC	POT
Apr. 04	25.284	1346.823	625.891	190.039	2188.037	8.363	0.000	346.563	232.262	0.000	1.749	-80.958	2227.994	1.415	1.000	2230.409
May 04	28.534	1227.488	656.463	155.982	2068.467	6.250	0.000	369.525	129.299	0.000	1.837	-110.531	2202.575	1.982	2.217	2206.774
June 04	46.728	1066.783	616.117	146.446	1876.074	0.000	0.000	397.734	146.310	0.000	1.026	-42.284	2084.188	2.740	2.500	2089.428
July 04	68.470	1156.489	640.079	174.151	2039.189	0.000	0.000	404.316	180.450	0.000	0.652	-47.665	2214.738	20.134	4.000	2238.872
Aug 04	75.580	1255.221	613.080	142.665	2086.546	0.000	0.000	367.342	215.035	0.000	3.117	5.505	2241.241	18.889	4.000	2264.130
Sept. 04	69.631	1260.130	610.327	168.441	2108.529	0.000	2.877	361.628	298.309	0.000	2.235	-35.724	2136.766	16.910	4.000	2157.676
Oct. 04	66.872	1206.694	585.876	187.051	2046.493	18.270	10.914	389.300	244.689	5.760	1.714	-129.963	2082.851	2.125	2.000	2086.976
Nov. 04	43.772	1239.096	520.297	184.106	1987.271	0.000	0.000	341.879	392.518	8.160	4.305	-75.933	1848.234	14.168	2.000	1864.402
Dec 04	18.430	1341.099	519.552	171.077	2050.158	0.360	0.000	392.456	449.085	18.617	6.438	-82.756	1886.078	18.584	2.000	1906.662
Jan 05	18.619	1393.316	494.944	185.093	2091.972	0.000	0.000	342.728	423.084	24.656	7.168	-36.195	1943.597	33.501	2.500	1979.598
Feb 05	20.429	1218.240	535.424	153.685	1927.778	0.000	0.000	346.08	305.302	21.235	6.169	-13.580	1927.572	10.470	2.000	1940.042
Mar 05	26.051	1334.144	635.847	170.231	2166.273	28.490	0.000	364.433	169.772	23.039	6.546	-42.943	2316.896	8.837	2.000	2327.733
Total	508.400	15045.523	7053.897	2028.967	24636.787	61.733	13.791	4423.984	3186.115	101.467	42.956	-693.027	25112.730	149.755	30.217	25292.702

ANNEXURE-V

CENTRAL LOAD DESPATCH, WBSEB

ANNUAL REPORT OF GENERATION (IN MU) OF WBSEB AND WBPDC FOR 2004-2005

MONTH	WEST BENGAL STATE ELECTRICITY BAORD							W.B. POWER DEVELOPMENT CORPORATION					GRAND TOTAL
	KAS	HAL	SILI	JAL	RAMMAM	T.C.F.	TOTAL	BTPS	STPS	K.T.P.S	Bk.T.P.P.	TOTAL	
Apr. 04	0.000	0.000	0.000	12.999	12.285	0.000	25.284	189.218	115.369	636.289	405.947	1346.823	1372.107
May 04	0.000	0.000	0.000	12.367	16.167	0.000	28.534	182.022	102.316	600.715	342.435	1227.488	1256.022
June 04	0.000	0.000	0.000	12.571	30.494	3.663	46.728	162.343	87.395	482.152	334.893	1066.783	1113.511
July 04	0.000	0.000	0.000	20.597	37.164	10.709	68.470	182.787	110.437	579.633	283.632	1156.489	1224.959
Aug 04	0.000	0.000	0.000	21.497	37.632	16.451	75.580	181.317	107.261	693.212	273.431	1255.221	1330.801
Sept 04	0.000	0.000	0.000	19.674	34.761	15.196	69.631	187.946	120.480	624.713	326.991	1260.130	1329.761
Oct 04	0.000	0.000	0.000	22.796	25.968	18.108	66.872	166.637	118.741	619.071	302.245	1206.694	1273.566
Nov 04	0.000	0.000	0.000	19.003	13.682	11.087	43.772	186.770	108.781	641.597	301.948	1239.096	1282.868
Dec 04	0.000	0.000	0.000	8.365	10.065	0.000	18.430	193.640	121.783	655.220	370.456	1341.099	1359.529
Jan 05	0.000	0.000	0.000	0.000	8.346	10.273	18.619	197.648	122.217	637.349	436.102	1393.316	1411.935
Feb 05	0.000	0.000	0.000	0.000	6.751	13.678	20.429	124.045	108.085	587.877	398.233	1218.240	1238.669
Mar 05	0.000	0.000	0.000	10.722	7.259	8.070	26.051	196.994	114.773	623.433	398.944	1334.144	1360.195
Total	0.000	0.000	0.000	160.591	240.574	107.235	508.400	2151.367	1337.638	7381.261	4175.257	15045.523	15553.923

CENTRAL LOAD DESPATCH, WBSEB
MONTH-WISE LOAD FACTOR FOR THE YEAR 2004-2005

MONTH	WBSEB SYSTEM			MONTH	TOTAL WBSEB SYSTEM		
	ENERGY (MU)	POWER (MW)	LOAD FACTOR		ENERGY (MU)	POWER (MW)	LOAD FACTOR
April '04	1255.641	2489	70.07	April '04	1323.949	2714	67.75
May '04	1203.600	2330	69.43	May '04	1277.370	2595	66.16
June '04	1129.371	2297	68.29	June '04	1212.131	2607	64.58
July '04	1240.741	2385	69.92	July '04	1317.967	2613	67.79
August '04	1267.404	2396	71.10	August '04	1358.513	2606	70.07
Sept. '04	1179.191	2430	67.40	Sept. '04	1257.044	2671	65.36
October '04	1139.788	2351	65.16	October '04	1199.814	2648	60.90
November '04	1032.619	2300	62.36	November '04	1077.673	2586	57.88
December '04	1071.001	2204	65.31	December '04	1115.866	2489	60.26
January '05	1158.291	2215	70.29	January '05	1212.135	2495	65.30
February '05	1136.614	2358	71.73	February '05	1154.146	2602	66.01
March '05	1345.422	2600	69.55	March '05	1403.702	2815	74.20
TOTAL	14159.683	2600	62.00	TOTAL	14910.310	2815	60.30