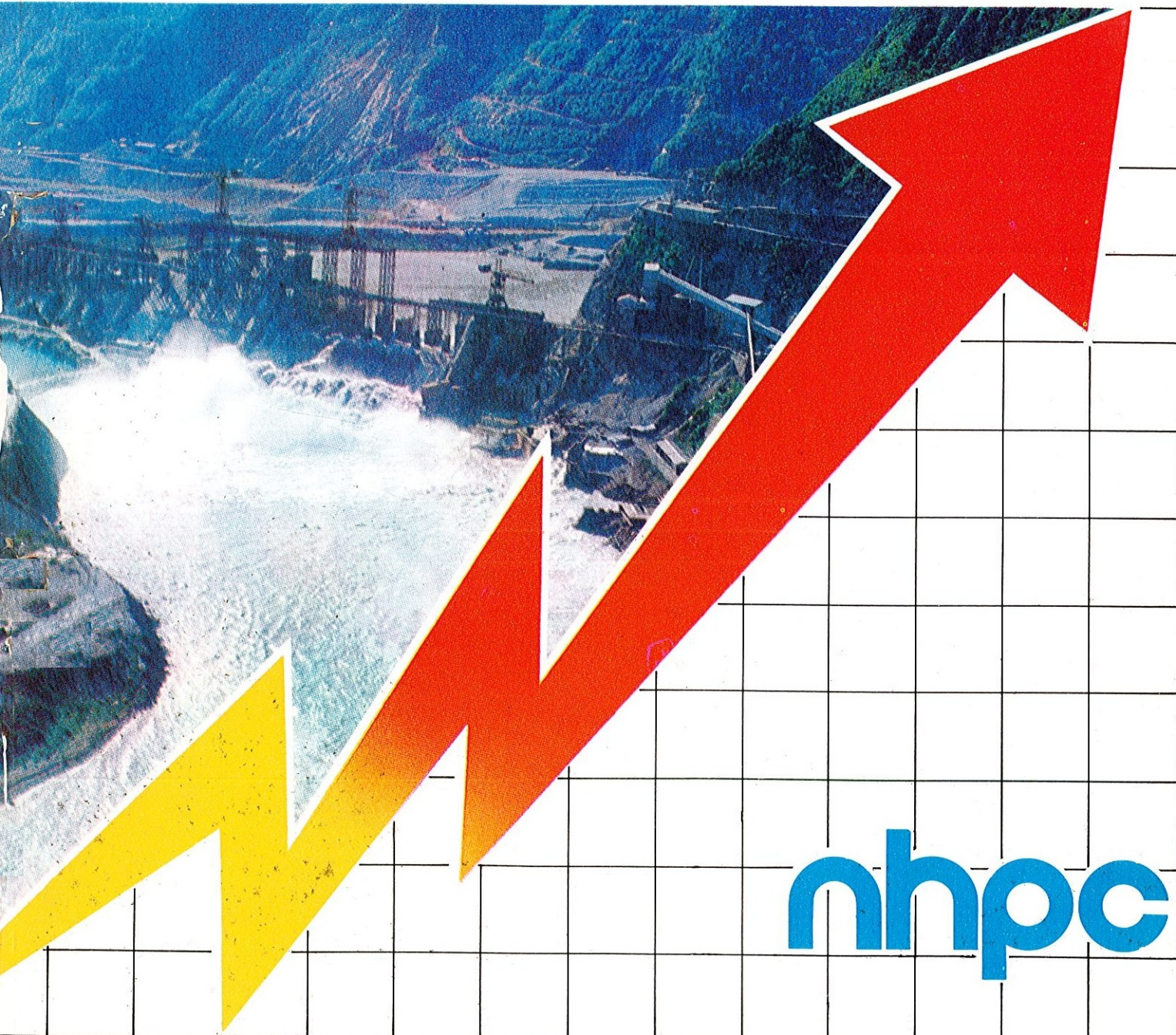


**ANNUAL
REPORT**
1982-83



nhpc



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BOARD OF DIRECTORS

Chairman & Managing Director	Shri B.S. Kochar (Upto 11.07.83 AN) Pirzada Ghulam Nabi (From 11.07.83 AN)
Directors	Shri V. Subramanian Director (Finance) Shri A.N. Singh Shri D. Rajagopalan (Up to 7.06.83 AN) Shri Pritam Singh (Upto 17.11.82) Smt. Sarala Gopalan Shri P.K. Acharya (18.11.82 to 29.05.83) Shri C.S. Hukmani (From 30.05.83) Shri Satish Khurana (From 8.08.83)
Secretary	Shri N.V. Raman
AUDITORS Statutory Auditors	M/s S.L. Khindaria & Co. S-215, Panchshila Park, New Delhi.
Branch Auditors	(i) M/s APS Associates 3/2, Madan Street (First Floor) Calcutta-700 072. (ii) M/s K.B. Chandna & Co. E-27, N.D.S.E. II, New Delhi-110 049
Bankers	State Bank of India
Registered Office	'Hemkunt Tower' 98 - Nehru Place, New Delhi-110 019.

CHAIRMAN'S SPEECH



Dear Friends,

It gives me great pleasure to welcome you to the Seventh Annual General Meeting of the National Hydroelectric Power Corporation Limited. The Audited Accounts of the Corporation for 1982-83 and Directors' Report along with Audit Report are before you for consideration and adoption.

A number of milestones have been achieved by the Corporation during the recent past. In the very first year of its commercial production, the 180 MW Baira Siul Project exceeded its target of production by over 11%. Electricity from this Project has greatly eased the power situation in the Northern grid, especially in Delhi.

The 105 MW Loktak Project in Manipur was commissioned in May, 1983. Unfortunately, due to a major landslide, caused by unprecedented rains, a portion of the tunnel of the Project was damaged towards the end of July, 1983. The rectification work has been taken up on priority basis and we hope to re-start this Project shortly.

The first unit of the 14.1 MW Devighat Project in Nepal was commissioned in July, 1983, about one and a half years ahead of schedule. The Second and Third units of the Project are scheduled to be commissioned before the end of this year.

The Foundation Stone of the 390 MW Dui Hasti Project in Jammu & Kashmir was laid by Hon'ble Prime Minister, Smt. Indira Gandhi on 15th April, 1983. The construction on this Project has already started.

As you are aware, work on the 710 MW Koel Karo Project in Bihar was held up due to the barricades put up by the

local people. You will be glad to know that these barricades were removed on 2nd September, 1983, after reaching an accord with the local leaders. I would like to record here that the break-through would not have been possible but for the ceaseless efforts on the part of the Ministry of Energy and the Government of Bihar. I visited the Power House and dam site at Lohajimi and Basia on 2nd and 3rd September, 1983 and met the local people. I am happy to inform you that the resistance of the local people to the start of the Project has abated very considerably because of the sympathy and humanitarian objectives that have informed the rehabilitative and ameliorative measures proposed for those to be displaced by the construction of the Project. Your Corporation is making all efforts to step up the tempo of activity on the Project.

Work on the 345 MW Salal Project in Jammu & Kashmir has been under constant review and all efforts are being made to commission the first unit of the Project by December, 1985 as per the Compressed Programme.

The Corporation is also ready to start construction on Tanakpur Project in Uttar Pradesh and Chamera Project in Himachal Pradesh as soon as these Projects are cleared by the Government of India.

The work on the Chukha Transmission Line is going on as per schedule and we hope to commission this line by March, 1985.

The work on the 35 Km long double circuit transmission line to evacuate power from Devighat Project was completed to coincide with the commissioning of the first unit of the Project.

The Corporation has completed the investigation of Dhaleswari Project in Mizoram. The Feasibility Report is under preparation and will be submitted to the Central Electricity Authority shortly.

Work on the investigation of Dhauliganga Project in Uttar Pradesh is in progress. The Corporation has also completed feasibility studies on the Konkan Projects entrusted to it by the Government of Maharashtra.

Before I conclude, I would like to touch, briefly, on the challenges the future holds for the Corporation. Recently there has been some fruitful debate on the advantages of exploiting the vast hydel potential available in the country. It is hoped that in the Seventh Five Year Plan which is under preparation at present, more emphasis will be laid on the development of hydro sector in the country. Your Corporation, thus, will have to play a dominant role in harnessing the hydro potential. I can assure you on behalf of the Board of Directors that your Corporation is fully geared up for meeting this challenge.

National Hydroelectric Power Corporation Ltd

I am grateful to the Hon'ble Minister of Energy and Secretary (Power) for the valuable guidance given from time to time. I am also grateful to the officers of the Department of Power and other Departments of the Govt. of India for their co-operation. I take this opportunity to thank all of you for taking keen interest in the activities of the Corporation.

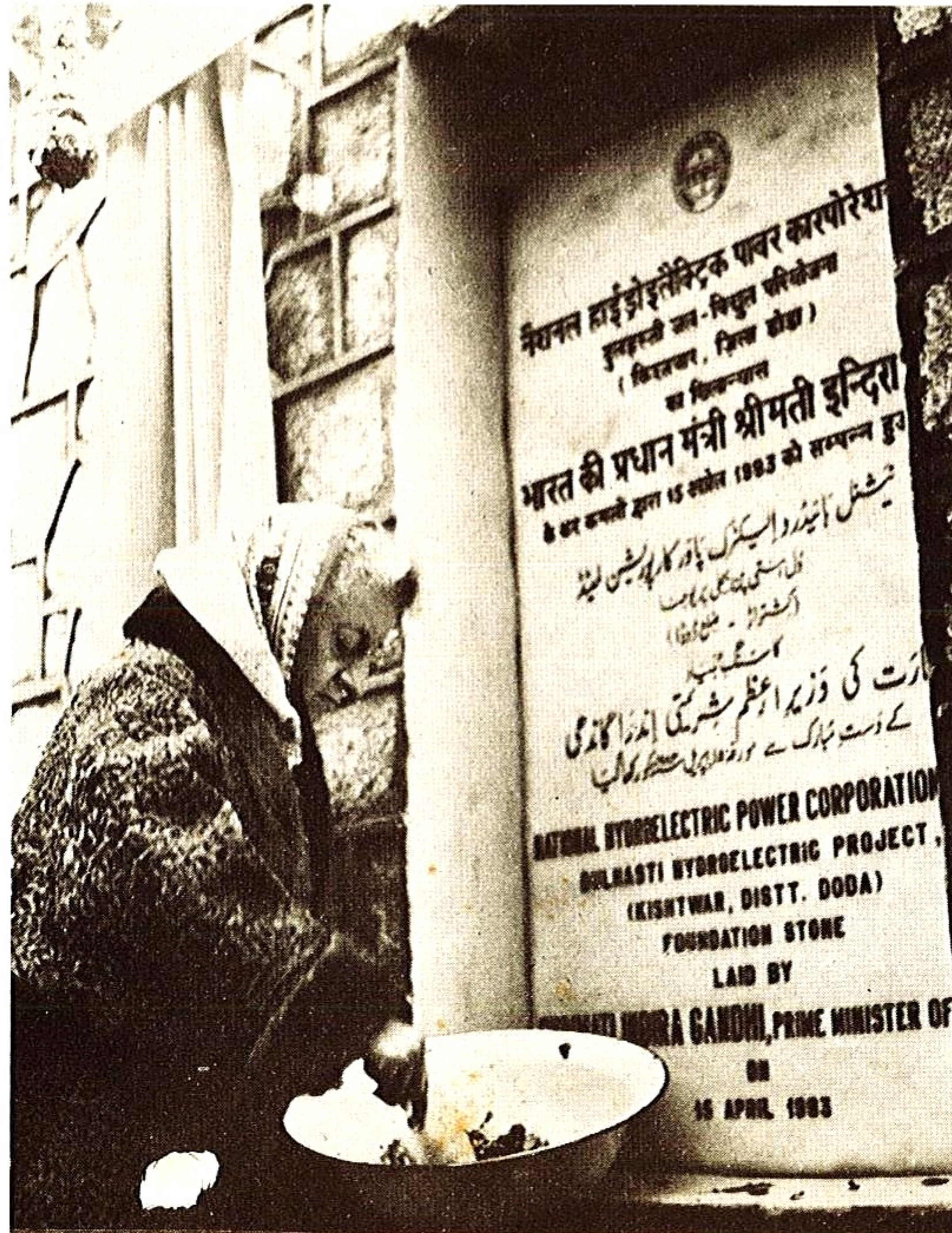
I am also thankful to my colleagues for the dedication which they have evinced and which has been responsible

for achieving the important milestones I mentioned above.

P. Ghulam Nabi

Pirzada Ghulam Nabi
Chairman & Managing Director

Dated: 30th Sept., 1983



Dulhasti Project (J & K) — Foundation Stone laying by
Hon'ble Prime Minister Smt. Indira Gandhi

DIRECTORS' REPORT TO SHAREHOLDERS



Dear Shareholders,

I have great pleasure in presenting to you on behalf of the Board of Directors the Seventh Annual Report on the working of the Corporation together with the statement of Accounts and the Auditors' Report thereon for the year ended 31st March, 1983.

2. FINANCIAL HIGHLIGHTS:

(a) Your Corporation started Commercial Operation with effect from 1st April, 1982. The generation of energy during the year at Baira Siul Project was 820.97 million units out of which 753.84 million units were sold for Rs. 2436.26 lakhs.

The financial highlights of the operating unit for the year are as under:

	(Rs. in lakhs)
1. Gross profit before providing for depreciation and interest	1908.26
LESS:	
i) Depreciation	422.25
ii) Interest on	
Govt. loans	717.83
Net Profit for the year	768.18
2. Investment allowance reserve	2344.74
3. Loss carried to Balance Sheet	1576.56

The contribution to the Public Exchequer during the year is Rs. 979.57 lakhs including interest paid on Government loans.

The net internal resources generated during the year are Rs. 1190.43 lakhs.

(b) Share Capital:

The Authorised Share Capital of the Corporation remained at Rs. 400 crores. The issued, subscribed and paid-up capital, however, increased from Rs. 102.8213 crores to Rs. 129.8213 crores during the year. The increase in the paid-up capital is due to issue of 2,70,000 Equity Shares of Rs. 1,000/- each. All the shares were entirely subscribed by the Central Government.

The amount of Rs. 18.5796 crores consisting of Rs. 1.2891 crores received from Government of India in cash and Rs. 17.2905 crores converted into equity on account of rescheduling of loans has been kept under share money deposit during the year for which the shares were pending allotment as on 31st March, 1983.

(c) Loans:

The Corporation has taken fresh loans totalling Rs. 19.6527 crores from Government of India. The total amount of loans, however, has been reduced

from Rs. 151.3401 crores to Rs. 149.8786 crores mainly on account of rescheduling of loans.

3. CORPORATE OPERATIONS:

Details of the operations of the Corporation during the year are mentioned in the succeeding paragraphs.

4. BAIRA SIUL HYDROELECTRIC PROJECT (H.P.):

During the year, the significant achievement was the completion of the Bhalehdh Feeder Tunnel in November, 1982, bringing upto maturity the generation capacity of the Project.

As reported to you at the last Annual General Meeting, the Project went into commercial production w.e.f. 1st April, 1982. During the year under report, the Project generated 8209.67 lakhs units, i.e., 11.7 per cent more than the target. The Project, thus, achieved in the first year of its commissioning, capacity utilisation of 89.23% against the target of 79.9%. This increased generation has been due to various timely steps taken by your Corporation, like preparation of optimum generation schedule based on the estimated inflow of water to ensure that water is not allowed to go waste and maximum power is generated; preparation of operation and maintenance manuals, training of O & M Personnel etc. Baira Dam Right hill slope protection works were in progress during the year and are expected to be completed by March, 1984.

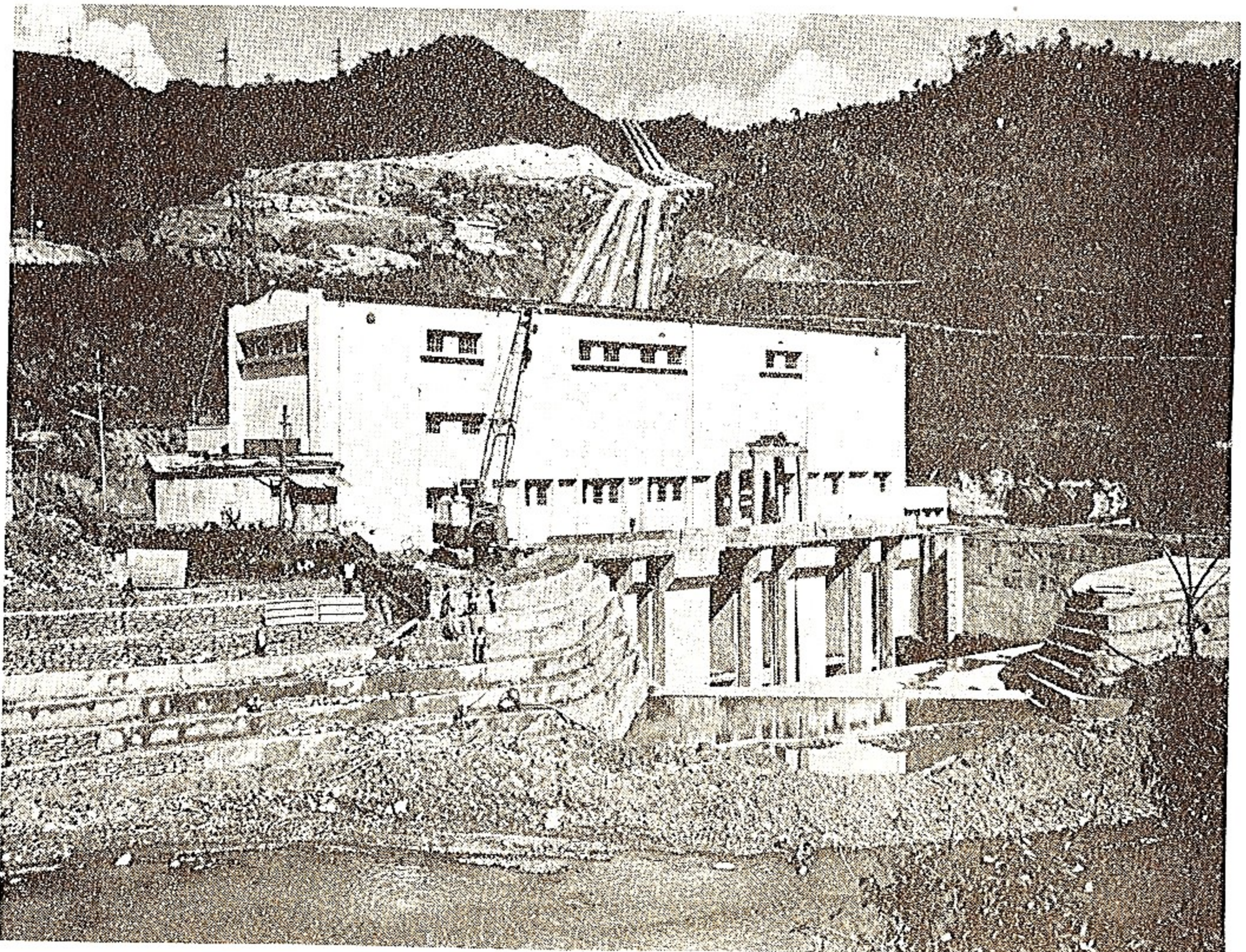
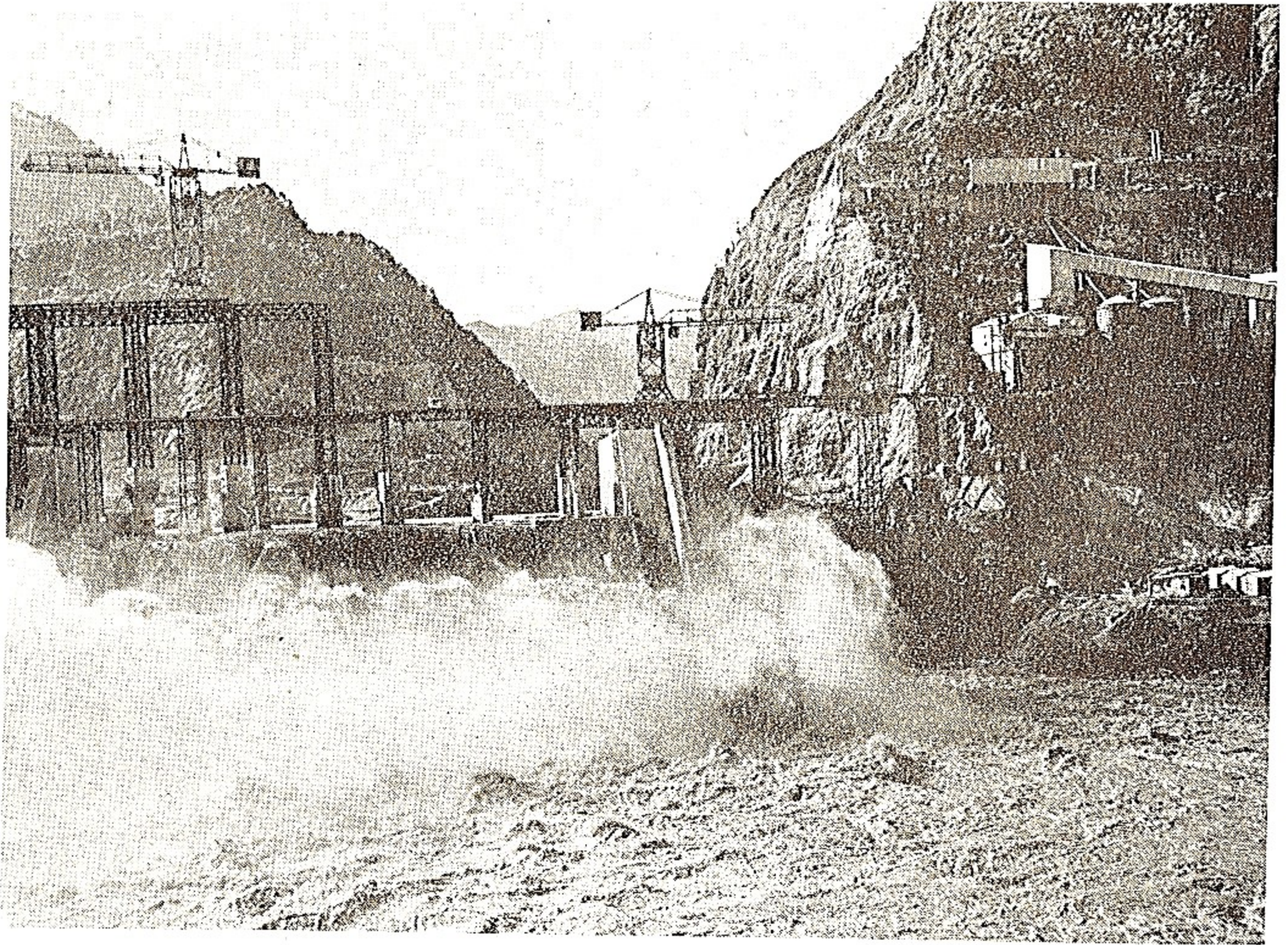
5. LOKTAK HYDROELECTRIC PROJECT:

Valve house, erection of 3 lines of Penstock Pipes averaging 1346 M in length, the power house consisting of three units of 35MW each, Tail Race Channel and Switchyard were completed. After completing the erection of Penstocks, Painting covering an area of 54390 M² was also done during the year. The major achievement during the year was the completion of the 2240 M Concrete Lining of the Tunnel with the use of telescopic and conventional shutters and German Concrete pumps. Contact grouting of 3355 M of Tunnel was completed during the year.

Intensive and concerted efforts backed by continuous monitoring, culminated in the spinning of two units in April, 1983 and the third unit in May, 1983. The Units were synchronised in May, 1983 and the Project commenced commercial production w.e.f. 1st June, 1983.

Towards the end of July, 1983 a massive landslide occurred in the low cover tunnel reach after heavy rainfall, damaging a portion of the tunnel. The tunnel has, therefore, been dewatered for repairs. Necessary remedial measures are being taken by your Corporation.

Concrete Dam spill way —Salal Project (J & K)



An exterior view of the Power House—looking down stream. Loktak Project (Manipur)

6. SALAL HYDROELECTRIC PROJECT:

The progress of works on the Project picked up momentum during the year and efforts are being made to adhere to the compressed schedule of commissioning of the first unit of the Project by December, 1985.

The progress of the various works on the Project is given below:

(i) Concrete Dam :

Excavation of the foundation for the concrete Dam has almost been completed. A quantity of 527 TM³ of concreting out of the total quantity of 1350 TM³ representing 39% of the work, has been completed. The Dam is scheduled for completion by June, 1985.

(ii) Rockfill Dam :

The construction of the Rockfill Dam is being done departmentally. The excavation of river bed for the construction of the Dam has been completed and placement work is in progress; and 2613 TM³ of placement out of a total quantity of 7200 TM³ which represents 36% of the work had been completed by the end of the year. The Dam is expected to be completed by March, 1985.

(iii) Tail Race Tunnel:

Out of the total length of 2410 M of the Tunnel, boring of 1474 M was completed during the year. The tunnel lining was also started during the year. Efforts are being made to overcome the shortfalls which occurred in the tunnel boring and tunnel lining activity due to adverse geological conditions, rockfall, cavity formation and excessive seepage of water. The work as a whole is expected to be completed by December, 1984.

(iv) Power House :

The super structure works of the Power House which will house the generating units commenced in October, 1982. The work is expected to be completed in time to enable the commissioning of the First Unit in December, 1985.

(v) Penstocks :

Civil works of Penstock excavation and concreting commenced during the year and were in progress. Fabrication of Penstock pipes has also commenced. The Penstock works in all respects are expected to be completed by December, 1984.

(vi) Plunge Pool:

The work of plunge pool was commenced in February, 1983 and is progressing satisfactorily. The work is expected to be completed by June, 1985.

(vii) Drainage Gallery:

The work of Drainage Gallery under the Concrete Dam was also started during the year. The work is expected to be completed in November, 1984.

7. DEVIGHAT HYDROELECTRIC PROJECT:

The various works of Devighat Project consisting of Head Regulator, 4.5 Km long water conductor system comprising Cut and Cover Conduits, Power Channels, Cross Drainage Works and Tunnels, Forebay, Penstocks, Power House etc. were in the final stages of completion at the end of the year. The mechanical run of the first unit was conducted on 29-6-1983 and testing and commissioning completed in July, 1983, about 1½ years ahead of schedule.

As at the end of the year, the progress of works of the various components of the Project was as under:

I. CIVIL WORKS:

(i) **Diversion Weir:** Work on the Diversion weir has already been completed. Grouting of the Weir has also been completed excepting for 2 or 3 holes.

(ii) **Head Regulator & Approach Channels:** The excavation work has been completed and 1226 M³ of concreting out of a total quantity of 1303 M³ had been done.

(iii) Cut and Cover Conduits:

a) **Reach-I:** Excavation has been completed and concreting in a length of 70m conduit, remained to be done at the end of the year.

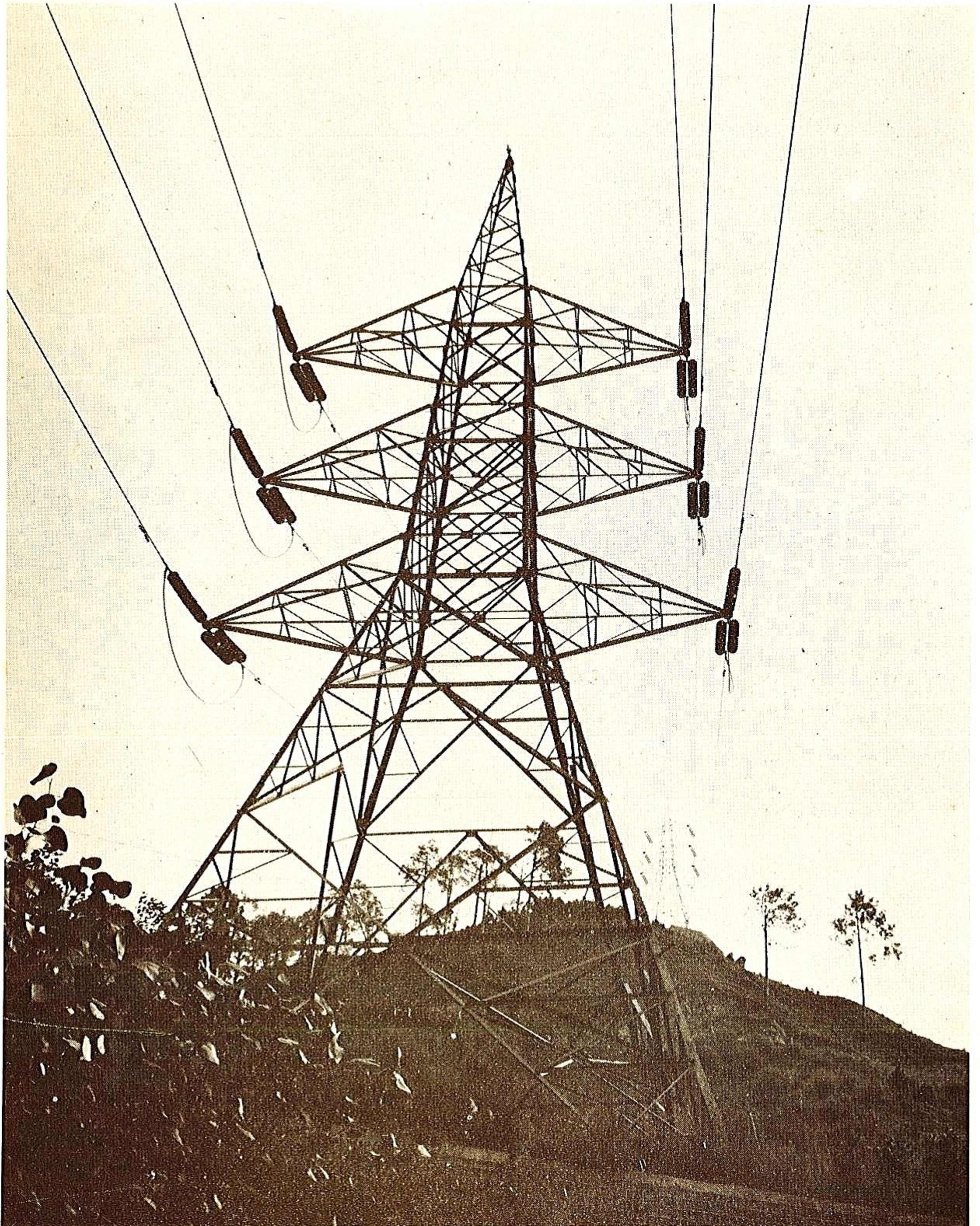
b) **Reach-II:** Excavation has been completed and concreting of 2062 M³ against a total quantity of 2255 M³ was done.

c) **Reach-III:** The total excavation had increased from 2600 M³ to 3700 M³. 3170 M³ of excavation and 1616 M³ of concreting out of 2150 M³ was done.

(iv) **Power Channel:** Reach III of Power Channel I and excavation of Reach II & III of Power Channel II had been completed. Work on other reaches of Power Channel I & II was in progress.

(v) **Cross Drainage Works:** Excavation and concreting of Khare Khola and concreting of Gauri Besi Kola were completed. Balance excavation on other cross drainage works for river training purposes remained and concreting works were nearing completion.

(vi) **Tunnels:** Boring and Invert concreting of both the tunnels had been completed. Overt concreting and grouting of tunnel No. II had also been completed.



Power from the Baira Siul Project is evacuated through a 96 km long, 220 KV transmission line and fed in to the northern grid

Overt concreting in 12m length of Tunnel-I remained to be done and grouting of Tunnel-I was yet to start.

(vii) **Penstocks:** Excavation for Penstocks had been completed and nearly 95% of concreting works and 75% of erection work had also been completed.

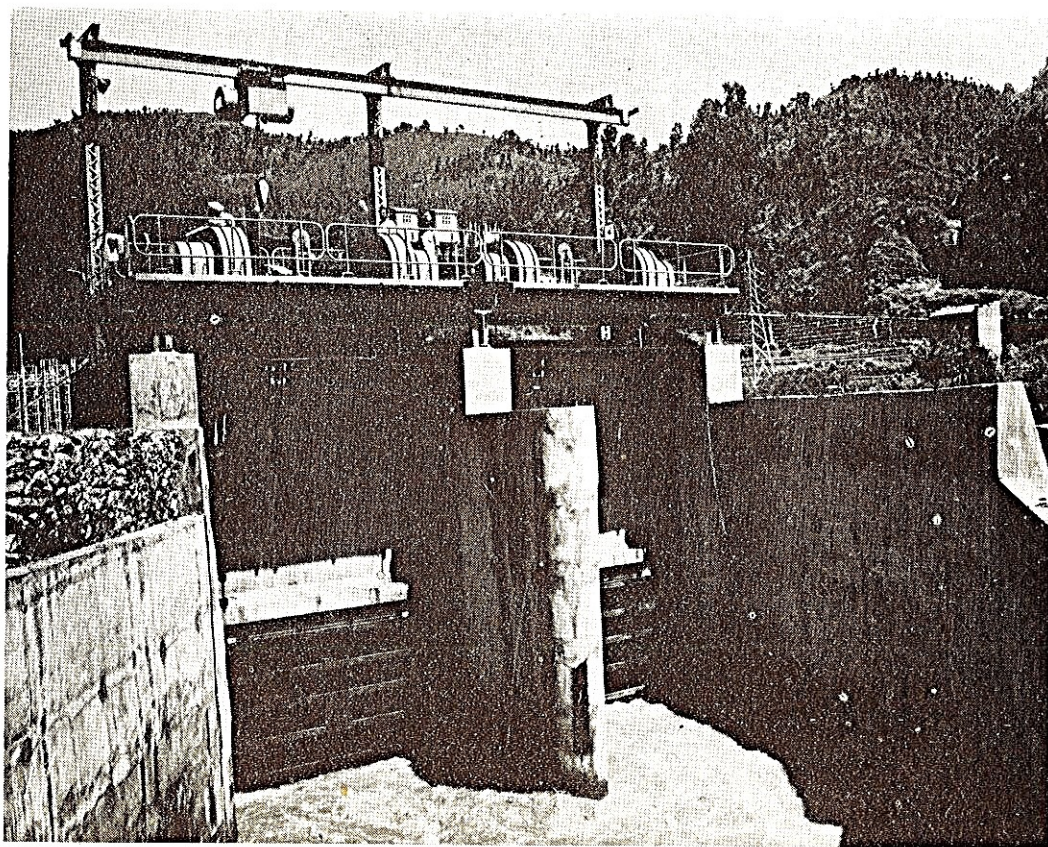
(viii) **Forebay:** Excavation and concreting have been completed. Nearly 85% of Fill placement in forebay embankment had also been completed. Fill placement was expected to be completed by end of April, 1983.

(ix) **Power House (Civil Works) and Tail Race Channel:** Excavation of Power House had been completed and concreting of only 7 M³ remained to be done. Nearly 95% excavation of Tail Race Channel had also been completed.

II. ELECTRICAL WORKS:

Unit I — Rotor and top bracket lowered. UCP at EL - 107.5 installed.

Unit II — Brazing of stator coils completed. Rotor rim punching assembly completed.



View of the Head Regulator—Devighat Project (Nepal)

Switchyard: Equipment erection except for transformers were completed and main control panels were installed. Control cables laying from switchyard to control panel had also been completed.

8. DUL HASTI HYDROELECTRIC PROJECT:

The expenditure sanction and the administrative approval to the capital investment for execution of the Project at an estimated cost of Rs. 183.45 crores (net) and Rs. 188.43 crores (gross) including Rs. 21.73 crores as IDC was issued by the Government of India on 10th November, 1982.

Pre-construction Investigation and exploratory drilling and drifting to firm up design features were taken up. Action was also initiated for acquisition of land for the Project.

9. KOEL KARO HYDROELECTRIC PROJECT:

Even though the Koel Karo Project was entrusted to NHPC for execution in the Central Sector in June, 1981, no significant progress could be achieved during the year under report on the Project, as access to the Project site was still not available to the Project Authorities due to resistance from local people and due to the problem of land acquisition for the Project which continued during the year. Vigorous efforts were continued by the Corporation to solve these problems with the help and co-operation of the Government of India and the State Government of Bihar. Various issues relating to the process of acquisition of land and the rehabilitation of the people who may be affected by the Project were being sorted out with the State Government authorities to expedite the taking up of active construction of the Project.

Some infrastructure work like construction of the residential and non-residential units for the Project was commenced on 190 acres of land made available to the Project by the State Government.

Your Directors are glad to inform that with the co-operation of the Govt of India and the State Government, the barricades put up by the local people on the Project site have been removed in the first week of September, 1983. It is expected that the work on the Project will gain momentum in the coming months.

10. NEW PROJECTS:

(1) Tanakpur Hydroelectric Project (U.P.):

The Project is proposed to be taken up for construction by the Corporation as soon as investment decision is taken by Government of India. Memorandum for the Public Investment Board, submitted to the Ministry in November, 1982 is awaiting Government clearance. The Project has already been cleared by CEA/CWC. This would be the first

Project in Sarda Valley of Uttar Pradesh to be undertaken by your Corporation.

(2) Nathpa Jhakri Hydroelectric Project

The Techno-economic clearance for the Project was given in February, 1980. The draft PIB Memo submitted to the Ministry of Energy in April, 1982 for a revised cost of Project (NHPC's share of 25%) of Rs. 256.81 crores (net) was under scrutiny at the end of the year.

(3) Rangit Hydroelectric Project (Sikkim):

The PIB Memo, submitted for Rs. 91.71 crores (Gross), Rs. 88.38 crores (Net) and IDC of Rs. 11.84 crores on 7th June, 1982 is awaiting Government sanction.

(4) Uri Hydroelectric Project (J & K):

The Project Estimates were being up-dated for obtaining techno-economic clearance by CEA.

This work is expected to be completed shortly after which the Project Estimates will be submitted to the Public Investment Board for sanction.

11. INVESTIGATION PROJECTS:

(a) Chamara Hydroelectric Project (H.P.):

Techno-economic clearance of CEA for the Project Estimates was received during the year. Clearance of the Public Investment Board for execution of the Project is awaited.

(b) Dhaleswari Hydroelectric Project (Mizoram):

The investigation of the Dhaleswari Hydroelectric Project in Mizoram, which was entrusted to your Corporation in November, 1981 was taken up by the Corporation in January, 1982. The investigations have since been completed. The collection and compilation of data for preparing the Feasibility Report has been taken up.

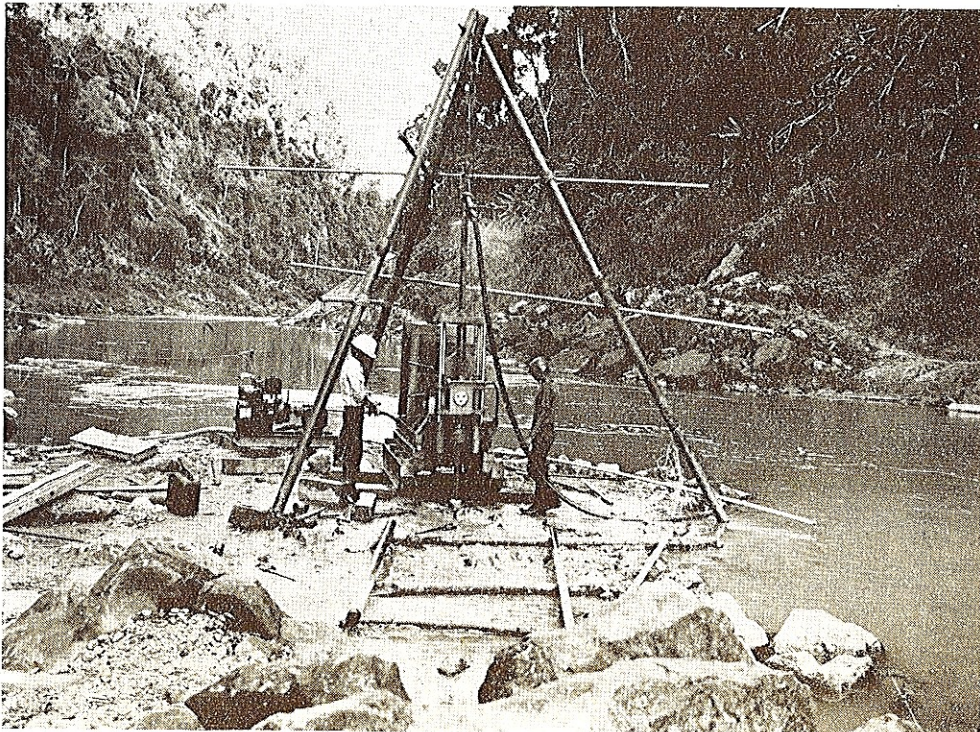
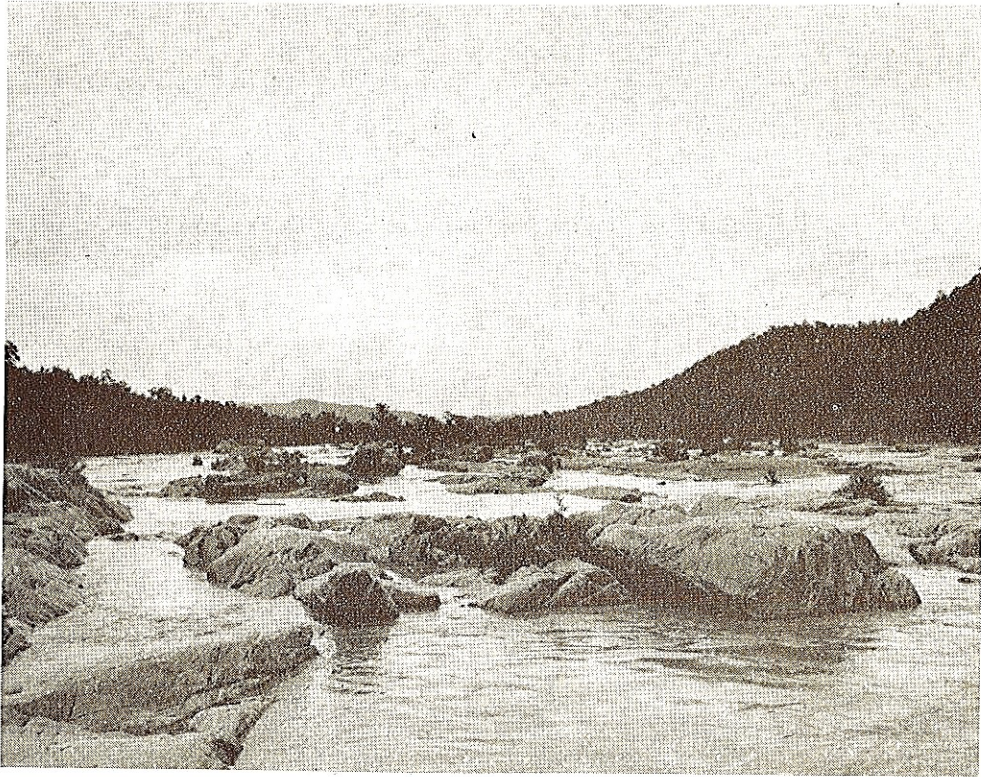
(c) Dhauliganga Hydroelectric Project (U.P.):

The investigation of Dhauliganga HE Project was entrusted to the Corporation in June, 1982. It is expected that the investigation would be completed by June, 1984, and the Feasibility Report of the Dhauliganga Hydroelectric Project Stage-I by March, 1985.

(d) Konkan Hydroelectric Projects (Maharashtra):

Pre-feasibility Reports for five Konkan Projects were submitted to the Government of Maharashtra. Out of the five Projects in the region, Kal and Kumbhe have been investigated in one season for preparation of Feasibility Reports as Deposit Work. Recently the Maharashtra Government have offered

View of the project site — Koel Karo Project (Bihar)



Drilling in progress in the river bed — Dhaleswari Project (Mizoram)

to entrust three more projects to your Corporation, for investigation and preparation of Feasibility Reports.

12. TRANSMISSION LINES:

(a) The construction of the following Transmission Lines was completed during the year 1982-83:

i) 132 KV Transmission Line from Liematak-Jiribam.

ii) 220 KV Transmission Line from Jammu-Sarna for Salal Project.

iii) 400 KV Transmission Line for the Singrauli Super Thermal Power Station.

(b) **Progress of other Transmission Lines:** The progress of other on-going Transmission Lines is given in the table alongside.



Site for Tanakpur Project



S. No.	Particulars of Transmission Line	Target date of completion	Progress of Works completed upto 31st March, 1983
1.	66 KV Trans - mission System associated with Devighat HE Project	June, 1983 to match with the commissioning of Devighat HE Project. (The Line was completed in July, 1983.)	Foundation work of 150 locations out of 156 locations were completed. Most of the equipment in switchyard were installed.
2.	220 KV Trans - mission System (Indian portion) associated with Chukha HE Project	March, 1985	Survey work was completed on some line sections and was in progress on other line sections. Stub setting work had commenced and some line material had started arriving at site. Land for sub-station at Birpara Dalkhola and Malda has been acquired and construction of residential and non-residential units was in progress. Possession of land at Purnea and Siliguri had been taken and action for acquisition of land at Bongai-gaon has been initiated.
3.	220 KV Trans - mission lines : Salal - Jammu & Salal - Udhampur associated with Salal HE Project	April, 1985	Field activity was started during the year under report.

(c) New Transmission Works:

Construction of 400 KV single circuit transmission lines from Jeypore to Talcher and associated sub-stations in Orissa :

Construction of the Jeypore-Talcher 400 KV Transmission System with related Sub-stations in Orissa has been transferred to your Corporation by the Ministry of Energy in August, 1982. The Corporation shall execute, own and operate the Transmission Line and its sub-stations.

13. PERSONNEL & INDUSTRIAL RELATIONS:

(1) **Industrial Relations:** During the year under report, employee-employer relations generally continued to be cordial.

(2) **Personnel Policies:** Emphasis continued to be laid on formulation of Corporation's policies and rules with a view to evolve Corporation's own philosophy and culture. While some of the existing Rules were modified to meet the needs of the Corporation, some new policies/schemes were also notified during the year.

(3) **Scheme of Workers' Participation in Management:** A two-tier Scheme of Employees' participation in Management was notified for implementation.

14. TRAINING AND DEVELOPMENT:

Under the induction and orientation programme for fresh Engineering Graduates during 1982-83, two batches of 80 Officers belonging to different disciplines were given training. The programme includes a study of Corporate functioning, basic managerial concepts and technical aspects relating to hydroelectric power development as also visits to selected Hydel Projects in the country.

Six officers were sent abroad during 1982-83 for obtaining training under international programmes like UNDP, Colombo Plan etc.

The Corporation continued to provide opportunities to employees at all levels to acquaint themselves with modern management, technical concepts and latest innovations in the field of hydroelectric power development. 83 employees were sponsored during the year 1982-83 to attend seminars, symposia, conferences and short duration refresher courses organised by various agencies.

The Trades Training Centre set up at Malda to impart training to basic workers in the Electrical Transmission field has commenced the training of the first batch of 50 linemen trainees. A proposal to set up a similar Training School at Salal Hydroelectric Project to cater to the needs of workers belonging to the Mechanical trades is under consideration.

15. VIGILANCE ACTIVITIES:

(1) The Corporation gives due importance to Vigilance activities.

During the period under report, as a result of investigations conducted into cases of complaints against certain employees, disciplinary proceedings were taken and appropriate penalties imposed.

National Hydroelectric Power Corporation Ltd

- (2) The Corporation also attaches adequate importance to periodical and surprise inspections by the Vigilance set-up of the Corporation.

16. USE OF HINDI:

In accordance with the Official Language policy of the Government of India, steps were taken during the year for progressive use of Hindi in the Corporation. Official Language Implementation Committees continued to function in the Corporate Office and in the Projects which met periodically to review the progress made in this direction.

A Hindi version of the Personnel Manual is under print. The 'Safety Manual' has also been translated into Hindi. Other Manuals in use are also being translated into Hindi. About 35 forms in use have been converted into bilingual Forms.

The NHPC News', the House Journal of the Corporation contains a Hindi Section which has become popular with the employees. Hindi cultural programmes were organised for the benefit of non-Hindi knowing employees working in the Corporation. An incentive Scheme for non-Hindi knowing employees to learn Hindi has been prepared.

Workshops were held in the Corporate Office and the Projects to impart training to staff for noting and drafting in Hindi.

17. OTHER FINANCIAL ASPECTS:

- (a) **Entertainment:** The entertainment expenditure incurred during the year is Rs. 1.24 lakhs at own Projects and Rs. 0.82 lakhs at Deposit Works and at Projects on Agency basis.

- (b) **Advertisement & Publicity:** The total expenditure on advertisement and publicity amounts to Rs. 21.26 lakhs as follows:

	(Rs. in lakhs)
i) On propaganda & Publicity	9.11
ii) Advertisement through DAVP	NIL
iii) Advertisement through other sources	12.15

- (c) **Guest Houses:** The expenditure on maintenance of guest houses/field hostels is Rs. 11.35 lakhs.

- (d) **Rent, Maintenance and other miscellaneous expenditure of Corporate Office:** Following is the expenditure on maintenance, furniture and fixtures etc. in the Corporate Office during the year:

	(Rs. in lakhs)
i) Rent-office buildings	42.53
ii) Furniture-capital cost	16.31
iii) Office equipment-Capital cost	4.13

iv) Communication equipment-Capital Cost	0.23
v) Maintenance cost of items at (i) to (iv) above.	5.93
vi) Electricity & Water Charges	1.93
vii) Other expenditure including printing & stationery, postage telegrams, telephones, telex etc.	34.53

- (e) **Foreign Tours:** Brief particulars of foreign tours undertaken by employees of the Corporation during 1982-83 are given in Annexure-I.

- (f) **Social overheads:** Expenditure on maintenance of township, education and health facilities is as under:

(Rupees in lakhs)

	Township	Education	Health facilities
i) Baira Siul	45.28	4.64	7.95
ii) Loktak	19.36	0.72	6.83
iii) Corporate Office	—	—	7.35
iv) Koel Karo	1.84	0.02	0.19
v) Chukha TC Unit	—	—	0.25
vi) Dul Hasti	—	—	0.17

18. AUDITORS:

M/s. S.L. Khindaria & Co., New Delhi have been appointed as Statutory Auditors and M/s. K.B. Chandna & Co., New Delhi and M/s. APS Associates, Calcutta have been appointed as Branch Auditors for auditing the accounts for the year 1982-83.

19. COMMENTS ON THE OBSERVATIONS OF THE AUDITORS:

The comments of the Directors on the observations made by the Auditors in their Report are given in Annexure-II to this Report.

20. PARTICULARS OF EMPLOYEES:

Information as per Section 217 (2A) of the Companies Act, 1956 read with Companies (Particulars of Employees) Rules, 1975 is given in Annexure-III forming part of this Report.

21. DIRECTORS:

During the year, Shri Pritam Singh resigned as a Director of the Corporation. Shri Pritam Singh ceased to be a Director w.e.f. 18-11-1982. Shri P.K. Acharya, the then Member(D & R), CWC was appointed as a part-time Director on the Board of Directors w.e.f. 18-11-1982. Shri P.K. Acharya ceased to be a Director w.e.f. 30-5-1983. Shri D. Rajagopalan resigned as a Member on the Board and ceased to be a Director w.e.f. 7-6-1983 (AN). Shri B.S. Kochar relinquished charge of the



post of Chairman & Managing Director of the Corporation w.e.f. 11-7-1983 (AN). The Board place on record their appreciation of the valuable services rendered by Shri B.S. Kochar, Shri Pritam Singh, Shri P.K. Acharya and Shri D. Rajagopalan.

Pirzada Ghulam Nabi assumed current charge of the post of Chairman & Managing Director of the Corporation w.e.f. 11-7-83 (AN). Shri C. S. Hukmani, Joint Secretary, Ministry of Irrigation, and Shri Satish Khurana, Joint Secretary and Financial Adviser, Department of Power, have been appointed Part-time Directors of your Corporation w.e.f. 30th May, 1983 and 8th August, 1983 respectively.

22. ACKNOWLEDGEMENTS:

The Board acknowledge with thanks the guidance and help extended by the various Departments of the Government of India, particularly the Ministry of Energy, Department of Power, Ministry of External Affairs, Embassy of India in Nepal, the Central Water Commission, the Central Electricity Authority, CSMRS, the Survey of India and the Geological Survey of India, the HMG of Nepal and the Government of Bhutan. Thanks are also due to the State Governments of Manipur, West

Bengal, Jammu & Kashmir, Himachal Pradesh, Bihar, Mizoram and other State Governments, State Electricity Boards of Bihar and Uttar Pradesh, who have been co-operating with us in our works in their States. But for the help and assistance extended by these and other agencies, it would not have been possible for the Corporation to achieve the progress registered so far.

The Board of Directors are also grateful to the Comptroller & Auditor-General of India, the Auditors and the Bankers for their valued co-operation.

The Board also take this opportunity to place on record their recognition and appreciation of the sincere and hard work done by the employees of the Corporation at all levels and have no doubt that they will attain still better levels of performance in the years to come.

For and on behalf of the
Board of Directors

New Delhi
Dated: 28th Sept. 1983.

Pirzada Ghulam Nabi
Chairman & Managing Director

DETAILS OF FOREIGN TOURS DURING 1982 - 83 (At Corporation's expense)

ANNEXURE - I

Sl. No.	Name & Designation	Name of the country/place visited	Purpose of visit	Duration of visit	Total expenditure Rs.
1	2	3	4	5	6
1.	Sh. B.S. Kochar, Chairman and Managing Director	Canada/ France	As a member of the Indian Hydro Power Mission Team	9.9.82 to 30.9.82	4,015.80
2.	Sh. B.S. Kochar, Chairman and Managing Director	Sri Lanka (Colombo)	Visit to Maduru Oya Project in Sri Lanka	31.1.83 to 6.2.83	10,396.90
3.	Sh. A.S. Chatrath, General Manager (Civil)	Singapore/ Thailand (Bangkok)	To attend Conference on Diaphragm walling technique and study tour.	1.6.82 to 4.6.82	17,563.90
4.	Sh. V.K. Sharma, General Manager (Electrical)	France (Paris)	To attend the 1982 Annual Conference of CIGRE	4.9.82 to 13.9.82	27,823.65
5.	Sh. P.N. Khar, Chief Engineer, (Project Inv.)	Sweden (Stockholm) and France (Paris)	Visit to Stockholm to discuss the scope and financial arrangements from M/s. Swedpower for Investigation of Dhauliganga Project and visit to Paris in connection with obtaining additional know-how on tunnelling equipment.	23.1.83 to 3.2.83	32,034.40
6.	Miss E. Divatia, Sr. Manager (Designs)	- do -	- do -	23.1.83 to 3.2.83	32,805.25
7.	Maj. V. Gulati, Manager (Training & Development)	Thailand (Bangkok) and Hongkong	To visit Asian Institute of Technology and Thailand Management Association, Bangkok, to study the training concepts and to attend 9th ARTDO International Training & Development Conference at Hongkong.	26.11.82 to 4.12.82	17,841.95



ANNEXURE -II

COMMENTS ON THE QUALIFICATIONS CONTAINED IN THE AUDITORS' REPORT 1982 -83

Para in
part 'A' of
Annexure to
Auditors' Report

COMMENTS

- | | |
|--------|--|
| (i) | A review is in progress to ascertain the details of miscellaneous equipment relating to pre-take over period of Loktak Project and to indicate the situational details in the cases where the same have not been done. The balance physical verification of the fixed assets will be done during 1983 -84 and discrepancies, if any, will be adjusted accordingly. |
| (iii) | The balance physical verification of the stores and spares will be carried out during 1983 -84 and shortages will be adjusted after complete verification. |
| (v) | The cases, where the payments have not been made as per the manner stipulated, are being ascertained and the balance amount, if any, recovered. |
| (vi) | An effective Internal Control System exists and constant efforts are being made to further strengthen the system. |
| (viii) | As clarified in Explanatory Note No. 9, the surplus/obsolete stores, if any, lying at the projects which have been completed or in the process of nearing completion are in the process of being identified. Efforts are also being made to transfer the surplus stores to other Projects, where required. Final adjustment to the extent unserviceable and damaged parts are established will be made after the process is completed. |
| (x) | Scrap, as and when identified by the Divisions in the Projects, is transferred to Scrap account and suitable records maintained. |
| (xi) | The existing scope of internal audit system is sufficiently wide. Proper follow up action on the Internal Audit Reports is being monitored at appropriate management level. |
| (xiii) | Due to difficulties in communication from some of the Units situated at remote areas, there has been delay in some cases in remitting the PF money to the Trust. |

NOTE: Also subject to Explanatory Notes on Accounts.

**INFORMATION REQUIRED UNDER SECTION 217 (2A) OF THE COMPANIES ACT, 1956
READ WITH COMPANIES (PARTICULARS OF EMPLOYEES) RULES, 1975.**

ANNEXURE-III

Name & Designation	Remuneration	Nature of employment (Contractual or otherwise)	Qualification & Experience	Date of Commencement of employment in N.H.P.C.	Age (Yrs.)	Last employment held
1	2	3	4	5	6	7
(A) (Particulars of Employees employed throughout the financial year who were in receipt of Remuneration not less than Rs. 36,000, p.a.)						
S/Shri	Rs.					
1. Agarwal, R.K. Dy. Manager	37,500.45	On deputation from Punjab P.W.D. (Irrigation)	B.Sc. Engg. (Civil) (14 Years)	9.6.78	37	SDO, PWD, Punjab.
2. Amar Nath Manager	45,588.12	Regular	B.A. SAS (26 Years)	20.9.76	51	Section Officer, Indian Audit and Accounts Deptt.
3. Appa Rao, Y.N. Dy. Manager	37,023.75	Regular	B.E. (Civil), M.E. (Hydropower) (14 Years)	1.8.77	37	Asstt. Engineer, CWC
4. Bahadur, A.K. Asstt. Manager	39,286.00	On deputation from UPSEB	M.Sc. Engg. (Elect.) (9 Years)	2.11.79	34	Asstt. Engineer, UPSEB
5. Bajaj, V.M. Chief Engineer	82,767.70	On deputation from HPSEB	B.E. (Civil) (27 Years)	10.5.79	50	Director (U.T.) CWC
6. Bal Mukand Dy. Manager	41,463.25	Regular	B.Sc. Engg. (Mech.) (12 Years)	16.12.78	34	Asstt. Engineer E.I.L.
7. Bambani, Prakash Asstt. Manager	36,654.25	Regular	B.Tech. (E) (9 Years)	30.12.81	31	Asstt. Director C.E.A.
8. Bandhopadhyaya, M.R. Manager	48,574.75	On deputation from Geological Survey of India	M.Sc. (Applied Geology) (21 Years)	29.12.80	46	Geologist (Senior), Geological Survey of India.
9. Bansal, R.C. Dy. Manager	50,115.00	Regular	SAS (40 Years)	21.9.78	56	Audit Officer office of the Director of Audit, Central Revenues, Delhi
10. Batish, O.P. Manager	43,526.00	Regular	B.A. (Hons) SAS (32 Years)	20.6.78	56	Finance Officer & I.A.O., HP University, Simla.
11. Bhandari, D.N. Asstt. Manager	37,153.95	Regular	SAS (38 Years)	19.6.77	57	Section Officer, office of FA & CAO Northern Railway
12. Bhardwaj, H.C. Chief Project Manager	55,048.56	On deputation from HPSEB	B.Sc. Engg. (Civil) (24 Years)	10.2.76	43	Executive Engineer, HPSEB
13. Bhardwaj, S.R. Manager	42,488.05	Regular	M.A. (Engg.), Diploma in Journalism, Diploma in Marketing & Sales Mgt. (22 Years)	11.9.81	40	Public Relations Officer, National Fertilisers Ltd.
14. Bhattacharjee, M.N. Manager	46,631.35	Regular	M.A. (Econ.), PG Diploma in Pers. Mgt. (29 Years)	30.12.81	51	Asstt. Personnel Manager, Bharat Aluminium Co. Ltd.
15. Bhattacharjee, J. Dy. Manager	39,652.00	Regular	B.Sc. AICWA, SAS (28 Years)	24.1.80	47	Accounts Officer, IFC, Manipur Govt.
16. Chadha, B.R. Senior Manager	42,742.00	On deputation from PWD Punjab	B.Sc. Engg. (Mech.), Grad. in Civil Engg. (26 Years)	15.7.78	47	Area Supdt. Punjab PWD (Irrigation Branch.)
17. Chadha, K.C. Asstt. Manager	38,335.00	Regular	B.Sc. Engg. (Elect.) (7 Years)	5.8.77	31	Supervisor, CEA
18. Chatrath, A.S. General Manager	77,250.75	Regular	B.Sc. Engg. (Civil) (32 Years)	17.2.78	53	Suptg. Engr., Beas Sutlej Link Project
19. Chatterjee, N.C. Manager	45,516.55	Regular	B.E. Tech. (Mech) (29 Years)	9.4.80	45	Sr. Supdt. (Mech.) Iron Ore Mining Co. Bangalore
20. Chauhan, Major S.S. Manager	43,254.40	On deputation from Indian Army (Absorbed w.e.f. 1.7.82)	Degree in Civil Engg. (18 Years)	19.3.79	39	Major in Indian Army.
21. Chopra, M.L. Manager	40,826.15	Regular (Lien holder from M/ Energy.)	B.A., P.G Diploma in Pub. Admn. (23 Years)	27.11.81	51	Liaison Officer, Chukha Hydel Project, Bhutan.
22. Choudhary N.K. Asstt. Manager	37,360.20	Regular	AMIE (Civil), Diploma in Civil Engg. (13 Years)	15.7.81	36	Resident Engineer, NBCC Ltd. New Delhi.
23. Deorari, B.D. Asstt. Manager	37,057.50	Regular (Lien holder from DSIDC)	M.A. (Econ.) (10 Years)	23.5.81	45	Dy. Manager, DSIDC.
24. Divatia (Miss) E. Sr. Manager	51,349.80	Regular (Lien holder from CWC)	B.E. (Civil) M. Tech. (24 Years)	22.3.79	46	Dy. Director, CWC
25. Dogra, K.D. Asstt. Manager	41,110.00	On deputation from HPSEB	B.Sc. Engg. (Elec.) (14 Years)	30.9.80	37	Asstt. Executive Engineer HPSEB.
26. Dwivedi, M.G. Dy. Manager	50,083.50	On deputation from UPSEB	M.E. (Elec.) (21 Years)	13.3.78	37	Asstt. Engineer, UPSEB.



1.	2.	3.	4.	5.	6.	7.
27. Gangopadhaya, A.K. Manager	42,185.10	Regular	B.E. (Civil) (17 Years)	10.9.81	37	Executive Engineer (PWD) Govt. of Goa, Daman & Diu, (Panaji)
28. Ghosh, L.N. Manager	47,718.95	Regular	MBA (Finance), Dip. in Fin. Control, PG Dip. in Pers. Management, Dip. in Data Processing (19 Years)	1.10.81	38	Dy. Accounts Manager, MMTC of India Ltd.
29. Ghosh, M.K. Sr. Manager	56,549.74	Regular	B.E. (Civil) (22 Years)	23.2.79	44	Executive Engineer, Border Roads Organisation
30. Goel, T.K. Asstt. Manager	36,811.00	Regular	B.E. (Mech.), AMIE (Civil) (13 Years)	22.4.81	38	Shift Engineer, Beas Project, Talwara
31. Gothra, Major G.S. Manager	46,821.50	On deputation from Indian Army (Absorbed w.e.f. 1.7.82)	Degree in Engg. (Civil), LL.B., (19 Years)	12.3.79	46	Major in Indian Army
32. Goel, J.M. Dy. Manager.	42,803.95	Regular	B.A. SAS (Rlys) (31 Years)	15.4.78	51	Accounts Officer, NMDC Ltd.
33. Goyal, P.P. P.S.	40,776.60	Regular	Matric (29 Years)	23.5.80	45	P.A. in CW & PC
34. Gulati, Major V. Manager	53,824.50	On deputation from Indian Army (Absorbed w.e.f. 1.7.82)	AMIE (Mech) (16 Years)	1.3.80	36	Major in Indian Army
35. Gupta, Dr. G.C. Sr. Medical Officer	47,096.12	Regular	M.B.B.S. (13 Years)	24.4.81	36	Major in Indian Army
36. Gupta, Dr. J.P. Asstt. Manager	36,887.80	Regular	M.A. Ph.D. Prabhakar (Hons in Hindi) (30 Years)	15.11.78 (AN)	50	Asstt. Education Officer Central Hindi Directorate
37. Gupta, M.L. Manager	51,512.50	Regular	B.Sc. Engg. (Mech.) (16 Years)	29.4.80	38	Dy. Manager, BHEL
38. Gupta, M.P. Asstt. Manager	40,560.00	On deputation from PSEB	B.E. (Elect) (16 Years)	30.7.79	40	Asstt. Executive Engineer, P.S.E.B.
39. Gupta, M.S. Asstt. Manager	51,162.40	On deputation from UPSEB	B.E. (Elect) M.Tech (Instrumentation) (9 Years)	12.12.79	35	Engineer, UPSEB
40. Gupta, R.C. General Manager	85,300.00	Regular	Professional Manager (39 Years)	4.4.77	58	Dy. General Manager (Pers.) BHEL
41. Gupta, V.K. Dy. Manager	39,517.00	On deputation from CWC	B.E. (Civil) Hons. (17 Years)	10.5.78	39	Dy. Director C.H.E.P. Control Board
42. Hardev Singh, Asstt. Manager	40,720.85	Regular	B.Sc. Engg. (Elect) (9 Years)	26.7.77	33	Project Engineer, BSL Project, Sunder Nagar
43. Hashia, M.L. Manager	36,948.84	On deputation from PWD, J & K	B.E. (Civil) (23 Years)	23.7.81	45	Executive Engineer, PWD, J & K
44. Hussain, S.M. Asstt. Manager	36,409.50	Regular	B.Sc. Engg. (C), PG Diploma in Structures (10 Years)	14.12.81	33	Asstt. Engr., Bihar Irrigation Department
45. Iyer, S.G. Asstt. Manager	39,183.95	Regular	M.A. (Sociology) Diploma in Industrial Relations & Personnel Management Dip in Lab. Laws ICSI (Inter) (16 Years)	22.12.81	36	Administrative Officer, NBCC Limited
46. Jaggi, A.L. Chief Project Mgr.	52,476.50	Regular	B. Sc. Engg. (Elect) (21 Years)	20.1.78	43	Supdtg. Engineer, Baira Siul HE Project, Govt. of India
47. Jain, A.K. Sr. Manager	58,788.75	Regular	B.Com., ACA (14 Years)	28.11.78	37	Dy. Accounts Mgr. IFFCO, New Delhi
48. Jain, N.C. Asstt. Manager	56,381.50	On deputation from Department of Irrigation Government of Rajasthan	B.E. (Civil) (16 Years)	25.9.79	41	SDO Irrigation Depttment, Government of Rajasthan
49. Jain, P.P. Sr. Manager	52,287.30	Regular	M.A., LL.B., Diploma in Labour Laws, Labour Welfare & Personnel Management (30 Years)	26.10.78	53	Manager (Personnel) BHEL
50. Jain, S.L. Dy. Manager	37,534.00	Regular	M.E. (Civil) (16 Years)	1.7.80	40	Asstt. Director, C.W.C.
51. Jain, T.C. Sr. Manager	53,136.95	Regular	B. Sc. Engg. (Elect.) (27 Years)	15.7.77	50	Deputy Director, CEA

National Hydroelectric Power Corporation Ltd

Name & Designation	Remuneration	Nature of employment (Contractual or otherwise)	Qualification & Experience	Date of Com- mencement of em- ployment in N.H.P.C.	Age (Yrs.)	Last employment held
1	2	3	4	5	6	7
52. Jir, P.N. P.S.	38,157.90	Regular	B.A., Diploma in Industrial Relations & Personnel Management (27 Years)	19.2.77	49	P.S., Railway Board
53. Joginder Singh, Dy. Manager	36,991.30	Regular	MSW, LL.B., (12 Years)	10.5.78	37	Personnel-cum-Labour Welfare Officer, Punjab Scooters Ltd., Nabha
54. Jose, P.C. Dy. Manager	40,377.30	Regular	B.Sc. Engg. (Mech.), M.Tech. (Design) (11 Years)	24.12.79	36	Extra Asstt. Director, CWC
55. Joshi, V.K. OSD	59,769.20	On deputation from Deptt. of Irrigation, Government of UP	BE (Civil) (30 Years)	31.3.79	52	Director, CWC
56. Kalsi, J.S. Dy. Manager	54,695.55	On deputation from H.P.S.E.B.	Dip. in Civil Engg. B.A. (26 Years)	26.12.78	49	Executive Engineer, H.P.S.E.B.
57. Kanjlia, V.K. Dy. Manager	54,317.05	On deputation from P.S.E.B. (Absorbed w.e.f. 1.12.82)	M.Sc. Engg. (E) (13 Years)	08.05.79	37	Asstt. Executive Engineer, P.S.E.B.
58. Kanwar, B.S. Manager	56,225.00	On deputation from H.S.E.B.	B. Sc. Engg. (Elect.) (20 Years)	26.6.81	41	Executive Engineer, H.S.E.B.
59. Kanwar, R.S. Dy. Manager	41,975.93	On deputation from H.P.S.E.B.	B. Sc. Engg. (Elect.) PG, Dip. in Water Resources Development (Hydro Power) (14 Years)	12.6.78	38	Asstt. Engineer, H.P.S.E.B.
60. Kapil, A.K. Asstt. Manager	41,674.45	On deputation from H.P.S.E.B.	A.M.I.E. (C) Dip in Civil Engg. (21 Years)	10.7.81	40	Asstt. Engineer, H.P.S.E.B.
61. Kapur, G.K. Accounts Officer	36,422.60	Regular	B.A., S.A.S. (25 Years)	20.4.78	49	Section Officer, D.A.C.R., New Delhi.
62. Kapur, J.N. Asstt. Manager	40,337.80	On deputation from the office of Director of Audit, Northern Railway. (Absorbed w.e.f. 1.11.82)	M.A., LL.B., S.A.S. (25 Years)	7.2.81	53	Audit Officer, Office of the Director of Audit, Northern Railway.
63. Kapur, V.K. Dy. Manager	37,577.45	Regular	M. Tech. (C) (12 Years)	7.11.78	37	Asstt. Executive Engineer, Hindustan Prefab Ltd.
64. Khar, P.N. Chief Engineer	57,279.78	Regular	B.E. (Civil), M.E., M.I.E., M.I.A.H.R. (27 Years)	15.5.78	47	Supdtg. Engineer Salal HE Project, Govt. of India
65. Khosla, C.P. Asstt. Manager	40,141.90	Regular	B.A., PG Dip. in Pers. Mgt. & Ind. Relations (37 Years)	7.9.79	53	Personnel Officer N.T.P.C.
66. Khungar, J.N. Manager	45,513.80	On deputation from Irrigation Deptt., Govt. of Punjab.	B.Sc. Engg. (C) (22 Years)	6.8.77	43	Executive Engineer, Beas Project
67. Kochar, B.S. Chairman & Managing Director	58,643.62	On deputation from P.S.E.B. (Govt. appointment)	B.E. (Elect. & Mech.) (34 Years)	17.2.82	58	Chief Engineer, P.S.E.B., Member (Power) B.B.M.B.
68. Koul, B.N. Asstt. Manager	38,914.00	On deputation from A.G., J & K	B.A., SAS (33 Years)	2.9.81	52	A.O., A.G. (J & K)
69. Krishna Mohan, Manager	41,139.70	Regular	M.A. (Labour & Social Welfare) (19 Years)	4.6.78	45	Dy. Manager (Pers.) Bharat Coking Coal Ltd.
70. Krishnamurthy, M. Manager	46,308.45	Regular	B.E. (Elect.), Senior Dip. in German, Dip. in Russian (18 Years)	29.6.81	42	Dy. Manager, N.T.P.C. Ltd.
71. Kumar, B. Manager	37,706.61	Regular	M.A. (LSW), B.L. (17 Years)	12.7.78	44	Personnel Officer, Bokaro Steel Ltd.
72. Kumar, S.K. Asstt. Manager	38,977.95	Regular	B.Sc. Engg. (Mech.) (13 Years)	4.8.77	38	Shift Engineer, B.S.L. Project, Sundar Nagar.
73. Kunjayappan, M.V. Manager	37,775.65	Regular	B.Sc. (Engg.) (Civil) (17 Years)	1.1.77	43	Asstt. Executive Engineer, Loktak HE Project, Govt. of India.
74. Smt. Lalitha, O.R. Dy. Manager S/Shri	36,820.20	Regular	B.E. (Civil) (11 Years)	02.06.83	35	Asstt. Engineer, CWC
75. Lomas, A.K. Asstt. Manager	36,645.70	Regular	B. Sc. Engg (M) M.A. (Public Admn.) (10 Years)	08.06.81	31	Executive Engineer, Western Coalfields Ltd.
76. Madan Lal, Manager	37,994.89	On deputation from U.P.S.E.B.	B.E. (Elect.) (13 Years)	06.09.77	37	Sr. Asstt. Engineer, U.P.S.E.B.



1.	2.	3.	4.	5.	6.	7.
77. Madan, R.K. Sr. Manager	57,360.10	Regular	B.Sc. Engg (Elect.) (19 Years)	12.12.79	41	Chief Engineer M/s. R.S. Steel works, Bareilly.
78. Maini, S.S. Manager	44,942.30	On deputation from Punjab Irrigation Deptt.	A.M.I.E., Dip. in Civil Engg. (26 Years)	04.02.80	55	Sr. Design Engineer, Punjab Irrigation Department.
79. Malhotra, G.G. Manager	44,632.60	Regular	B.A., LL.B., Dip. in Admn. Law (19 Years)	15.05.78	39	Asstt. Legal adviser. O.N.G.C.
80. Malhotra, S.P. Asstt. Manager	42,659.40	Regular	B.A. (Hons) (27 Years)	30.04.77	47	P.S., Ministry of Energy.
81. Mandappa, B.M. Chief Engineer	79,484.45	Regular	B.E. (Civil Engg.) M.I. struct, E (London) F.I.E (26 Years)	01.10.81	50	Superintendent (Designs) SAIL (Bokaro Steel Plant)
82. Mathur, G.N. Dy. Manager	37,140.75	On deputation from R.S.E.B.	A.M.I.E. (Elect) (16 Years)	07.04.78	40	Asstt. Engineer, R.S.E.B.
83. Mehta, O.P. General Manager	79,311.75	Regular	B.Sc. Engg (Civil) (33 Years)	01.01.80	54	Chief Engineer, Chukha Project Authority, Bhutan.
84. Mishra, H.S. Dy. Manager	37,386.00	Regular	A.I.C.W.A. S.A.S., (25 Years)	21.12.79	54	R.A.O., Office of AG, Haryana.
85. Mishra, S.B.C. Dy. Manager	40,377.55	On deputation from UPSEB	BE (Elec.) (10 Years)	04.05.77	36	Asstt. Engr., UPSEB
86. Mittal, S.K. Sr. Manager	48,312.30	Regular	B.E. (Elect.) (23 Years)	20.05.78	47	Executive Engineer, U.P.S.E.B.
87. Motwani, K.V. Sr Manager	44,210.40	On deputation from P.W.D. (Punjab)	B.E. (Elect.) (27 Years)	08.09.77	52	Executive Engineer, B.S.L. Project, Sundar Nagar.
88. Mukherjee, K. Sr. Manager	49,190.32	Regular	F.I.C.W.A. (26 Years)	25.01.79	47	Asstt. Finance Manager, F.C.I. P & D (Division), Sindri
89. Mukherji, S.K. Asstt. Manager	41,539.15	On deputation from A.G. (U.P.)	M.A. (Economics) (29 Years)	20.04.81	53	Accounts Officer, Office of AG (UP).
90. Murari Lal, Manager	36,625.17	Regular	B.E. (Civil) (20 Years)	22.10.81	42	Executive Engineer, I.D.P.L.
91. Naidu, B.S.K. Manager	50,993.34	Regular	BE Hons. (M) M.Tech. (Hydro-Elect) (14 Years)	28.2.82	37	Manager, BHEL.
92. Nambiar, Lt. Col. NPK, Sr. Manager	37,194.30	Re-employed	BE (Civil), MIE (26 Years)	21.07.80	52	Lt. Col. in Indian Army.
93. Nand Gopal, Manager	50,780.00	Regular	BE (Civil), M.E. (Structures) (16 Years)	03.04.80	41	Deputy Manager, TSP Ltd., Tungbhadra Dam.
94. Narang, S.M. Dy. Manager	38,995.05	Regular	B.Sc. Engg. (Civil) (16 Years)	14.02.79	39	Asstt. Director, CWC.
95. Narayanan, Brig. PNS. General Manager	60,722.65	On deputation from Indian Army (Absorbed w.e.f. 1.7.82)	Degree in Engg. (Civil) M.I.E. (30 Years)	30.3.81	51	Chief Engineer, Army Headquarters, New Delhi.
96. Nima, S.K. Asstt. Manager	36,722.65	Regular	BE (Elect.) Diploma in Business Management (11 Years)	16.7.81	38	Asstt. Manager, Food Corporation of India.
97. Pardasani, N.H. Dy. Manager	42,454.80	Regular	B.Com (Hons) AICWA (26 Years)	06.09.78	53	Senior Accounts Officer, NPCC.
98. Prabhakar, R.D. Dy. Manager	46,617.70	On deputation from PSEB	M.Sc. Engg. (Elec.) (12 Years)	31.03.79	35	Asstt. Executive Engineer, PSEB.
99. Prasada Rao, P.D. Manager	38,800.05	Regular (Lien Holder from CWC)	BE (Civil) (19 Years)	23.6.80	43	Deputy Director, CWC.
100. Prashad, B.V. Manager	44,541.86	On deputation from UPSEB	B.Tech (Elec.) (16 Years)	14.04.80	39	Executive Engineer, UPSEB.
101. Prem Singh, Security Officer	37,299.00	On deputation from H.P. Police Service	F.A. (Lahore) (33 Years)	01.06.80	55	Deputy Superintendent of Police, H.P. Police Service.
102. Pritpal Singh, Kr. Sr. Manager	41,932.00	On deputation from P.W.D. J & K	B.E. (Civil) AMIE (27 Years)	01.12.77	49	Superintending Engineer, P.W.D. J & K.
103. Raghavan, S. Manager	40,111.00	Regular	B.A. LL.B. PG Dip in Lab. Laws, Lab. Welf. & Pers. Mgt. (23 Years)	27.11.81	44	Personnel Officer, BALCO Ltd.
104. Raina, A.H. Chief Engineer	63,841.55	Regular	B.E. (Elect) (22 Years)	15.05.78	52	Supdtg. Engineer, Salal HE Project, Govt. of India.
105. Rajagopalan, R. General Manager	74,644.20	Regular	B.Sc. B.L. (28 Years)	19.11.78	54	Accountant General, J & K.
106. Ramamurthi, A.R. Manager	43,762.45	Regular	AICWA, A.C.S. (29 Years)	11.08.78	46	Senior Asstt. Manager, FCI.
107. Raman, N.V. Company Secretary	47,011.65	Regular	B.A. LL.B., G.D.C.S. ACS, ICWA (Inter) Dip. in Labour Laws. (26 Years)	15.12.78	46	Dy. Company Secretary Engineers India Ltd.
108. Ramtani, IL Manager	44,095.75	Regular	B.A. LL.B. PG. Dip in Lab. Laws, Lab. Welf. & Pers. Mgt. (23 Years)	02.11.81	41	Sr. Adm. Officer (Pers) Hindustan Zinc. Ltd.

National Hydroelectric Power Corporation Ltd

1.	2.	3.	4.	5.	6.	7.
S/Shri	Rs.					
109. Rao, P.L. Manager	36,630.00	Regular	AMIE. (23 Years)	12.03.81	44	Divisional Engineer. Rehabilitation, Reclamation Organisation.. Deptt. of Rehabilitation Govt of India
110. Rastogi, V.P. Manager	44,091.65	Regular	AMIE. Diploma in Ind. Admn. (25 Years)	09.06.81	43	Dy. Sales Manager, Triveni Structurals Ltd.
111. Sachdeva, A.K. Dy. Manager	38,409.60	Regular	BE (M) (13 Years)	21.12.78 (AN)	35	Asstt. Engineer, N.F.L.
112. Sachdev, H.S. Dy. Manager	50,001.30	Regular	B.A. (32 Years)	19.9.79	51	P.S to Minister of State for Energy.
113. Sahoo, Dr. S. Sr. Med. Officer	40,686.00	On deputation from Manipur Health Service.	M.B.B.S. (8 Years)	06.02.78	36	Asstt. Surgeon Gr. I, Health Service, Govt. of Manipur.
114. Saxena, J.C. Law Officer	38,007.10	Regular	M.A., LL.M., (27 Years)	07.12.78	48	Selection Grade Auditor, A.G.C.R.
115. Shamiri, J.A. Sr. Manager	42,742.00	On Deputation from J & K Govt.	M.Sc. Engg. (Civil) (17 Years)	17.11.78	45	Executive Engineer, J & K Govt.
116. Sharma, Brijendra Manager	42,133.65	Regular	B.Tech. (Civil) M.Tech. (19 Years)	18.07.81	42	Research Engineer, School of Rock Medicines, Univ. of Karlsruhe, West Germany.
117. Sharma, D.K. Personnel Officer	38,387.36	Regular	B.A., P.G. Dip in Ind. Relations & Pers. Mgt. (20 Years)	01.02.78	45	P.S. Gr. I, B.H.E.L.
118. Sharma, K.N. Asstt. Manager	37,611.05	Regular	M.E. (Civil) (14 Years)	14.04.81	37	Lecturer in Civil Engg., MR Engg. College, Jaipur.
119. Sharma, K.S. Dy. Manager	39,806.00	On deputation from Punjab P.W.D. (I.B.)	B.Sc. (Engg.) Hons. (Civil) (16 Years)	23.05.77	34	S.D.O., P.W.D. Punjab (IB)
120. Sharma, O.P. Sr. Manager	56,037.91	Regular	B.Sc. Engg. (Civil) (21 Years)	15.05.78	45	Executive Engineer, Salal HE Project, Govt. of India.
121. Sharma, R.K. Dy. Manager	41,559.30	On deputation from H.S.E.B.	B.E. (E) M.I.E., P.G., Dip in Elec. Engg., Dip. in Mktg. Mgmt. (15 Years)	31.08.78	36	Asstt. Executive Engineer, Beas Project.
122. Sharma, V.K. General Manager	86,122.05	On deputation from B.S.E.B.	B.Sc. (Engg.), (Elec.) (34 Years)	06.12.79	53	General Manager-cum-Chief Engineer BSEB.
123. Sharma, V.K. Dy. Manager	56,118.95	On deputation from HPSEB.	B.E. (Mech.) (13 Years)	23.10.78	38	Asstt. Engr., HPSEB.
124. Sharma V.K. Asstt. Manager	44,288.05	On Deputation from H.P.S.E.B.	B. Sc. Engg. (Civil) (9 Years)	27.04.81	34	Asstt. Executive Engr., HPSEB.
125. Shenvi, N.R. Dy. Manager	39,303.05	Regular	B.E. (Civil) (13 Years)	09.10.78	36	Group Engineer, Mysore Power Corpn. Ltd.
126. Singh, B.R. Asstt. Manager	37,504.00	Regular	B.Sc. Engg. (Elec.) (12 Years)	02.08.77	38	Sectional Officer, B.S.L. Project, Sundar Nagar.
127. Singh, Gurmukh Paul Dy. Manager	44,201.30	On deputation from Punjab Irrigation Deptt.	Dip. in Civil Engg. (35 Years)	24.07.78	57	Dy. Area Suptd. B.S.L. Project.
128. Singh, J.P. Asstt. Manager	37,313.15	Regular	B.Sc. Engg. (Civil) (5 Years)	16.12.77	28	—
129. Singh, K.P. Dy. Manager	36,820.20	Regular	B.E. (Elec.) (11 Years)	11.03.80	35	Asstt. Director, C.E.A.
130. Singh, Maj. R.D.P. Manager	36,798.90	On deputation from Indian Army	B.Sc. Engg. (Civil) (16 Years)	21.03.79	39	Major in the Indian Army.
131. Singhal, M.K. Chief Engineer	62,395.05	On deputation from UP Irrigation Deptt.	B.E. (Civil) M.E., (30 Years)	01.01.82	51	Suptg. Engr., Irrigation Deptt. UP.
132. Sinha, A.S.C. Manager	43,742.25	Regular	B.Sc. (Prodn. Engg.) M.S. (Mech. Engg.) M.B.A. (14 Years)	30.06.81	35	Sr. Planning Engr. B.H.E.L.
133. Sinha B.S.P. Sr. Manager	55,312.40	On deputation from B.H.E.L.	B.A., LL. B (20 Years)	03.06.81	43	Manager, B.H.E.L.
134. Subramani, C.G. Sr. Manager	47,387.72	Regular	B.E. (Civil), M.I.E. (22 Years)	03.10.79	45	Executive Engr. Border Roads Deptt.
135. Subramanian, K. Sr. Manager	52,540.40	Regular	B.A., B.L., A.I.C.W.A. (30 Years)	01.03.78	57	Asstt. Chief Accounts Officer, REC Ltd.
136. Subramanian, V. Director(F)	78,830.30	Regular (Govt. appointment)	B.Sc. (Hons.), LL.B. (30 Years)	27.01.78	54	Accounts Member, Kerala State Elec. Board.
137. Thaper, V. Dy. Manager	37,473.55	On deputation from Chandigarh Admn. (absorbed with effect from 1.9.82)	M.A. (16 Years)	03.10.79	55	Asstt. Director, Delhi Administration.
138. Tyagi, G.D. Chief Project Manager	49,453.00	On deputation from UP Irrigation Deptt.	B.E. (Civil) (27 Years)	10.02.78	50	Executive Engineer, Irrigation Department, U.P.
139. Ulaganathan, D. Dy. Manager	36,481.05	Regular	B.E. (Elec.) (10 Years)	16.06.77	33	Asstt. Engineer, Tamil Nadu Electricity Board.



1	2	3	4	5	6	7
140. Varatharajan, R. Manager	42,528.25	Regular	M.A. (English) M.A. (Economics) SAS (28 Years)	13.11.78	53	Revenue Audit Officer AGCR.
141. Venkatachalam, K.R. P.S.	42,395.90	Regular	SSLC (26 Years)	01.08.78	49	SPA to Secretary (Power), Ministry of Energy.
142. Venkataramaiah, P. Manager	43,875.65	Regular (Lien holder from Central Water Commission)	B.E. (Civil) (26 Years)	25.01.80	51	Superintending Engineer, Chukha Project Authority, Bhutan.
143. Venkatesh, C.R. Manager	45,450.20	Regular	B.E. (C) M.E. (Structure) (15 Years)	29.07.81	38	Scientist, Cement Research Institute of India.
144. Verma, D. Paul Manager	45,107.13	Regular	B.Sc. Engg. (C) (17 Years)	09.08.76	41	SDO, Punjab P.W.D. (Irrigation)
145. Verma, Maj. S. Manager	57,470.00	On deputation from Army (Absorbed w.e.f. 1.7.1982)	B.E. (Civil) (19 Years)	06.03.79	40	Major in Indian Army.
146. Vishwanathan, N. Sr. Manager	51,404.30	Regular	M.E. (Civil) (19 Years)	17.9.79	43	Asstt. Chief Engineer, Triveni Structurals Ltd.
147. Yaduvendra, R.K. Manager	37,976.60	Regular	M.Sc. (Mechanical) MBA (18 Years)	01.01.82	41	Dy. Director, Ministry of Industry, Govt. of India.
148. Zutshi, K.L. Sr. Manager	43,263.00	Regular	B.E. (Civil). M. Tech. (21 Years)	May, 1978	45	Executive Engineer, Salal HE Project, Govt. of India.
(B) Particulars of Employees employed for part of the financial year who were receipt of not less than Rs. 3000/- p.m.						
1. S/Shri Bajpai, O.M. Manager	40,434.55	On deputation from UP Irrigation Deptt.	B.E. (Civil) (21 Years)	20.02.82	42	Executive Engineer, UP Irrigation Deptt.
2. Goel, J.P. Manager	12,751.00	On deputation from Punjab Irrigation & Power Deptt.	B.Sc. Engg. (Elect.) (26 Years)	01.04.80	49	Director/SE, C.E.A.
3. Javeri, C.S. Asstt. Manager	21,231.00	Regular (Lien holder from CEA)	B.E. (Elect.) (10 Years)	01.09.82	33	Extra Asstt. Director, CEA.
4. Nagabhushan, K.M. Manager	39,162.05	Regular (Lien holder from CWC)	B.E. (Civil) (24 Years)	31.03.80	48	S.E., Chukha Hydel Project
5. Nandy, Amitav Manager	3,459.85	Regular	B. Tech. (Mech. Engg.) M. Tech. (Ind. Engg. & Operation) (12 Years)	03.11.81	35	Dy. Manager, BHEL.
6. Pirzada Ghulam Nabi Director (Technical)	34,610.10	Govt. appointment	M.Sc. in Civil Engg., Columbia University (USA) (33 Years)	07.07.82	56	Officer on Special duty, PWD, J & K
7. Purohit, D.C. Manager	4,471.10	Regular	B.E. (Civil) M.E. (Power Systems) (13 Years)	18.02.83	34	Project Engineer, Engineering Projects (India) Limited.
8. Rao, D.N. Chief Engineer	40,517.35	On deputation from CWC	B.E. (Mech.) (32 Years)	24.05.80	55	Director, Central Water Commission.
9. Singh, Dr. Th. Gopiraman Sr. Medical Officer	17,438.80	On deputation from Ministry of Health & Family Welfare, Govt. of India.	M.B.B.S. (33 Years)	01.01.77	58	Sr. Medical Officer, Loktak H.E. Project, Govt. of India.
10. Taneja, S.K. Manager	22,976.60	On deputation from PWD Punjab	B.E. (Civil) (21 Years)	13.08.82	46	SDE, Irrigation Power Deptt., Punjab.
11. Upadhyaya, G. Manager	12,285.85	Regular	B.A. (Hons.), Master in Management Studies, Diploma in Industrial Relations & Welfare (13 Years)	02.11.81	38	Asstt. Manager (Pers), Rourkela Steel Plant.
12. Verma, Dilip Asstt. Manager	32,515.40	Regular	B.E. (Mech.) (11 Years)	03.06.81	32	Engineer, B.H.E.L.

- Notes: (1) None of the above employees is related to any of the Directors of the Corporation within the meaning of Section 6 of the Companies Act, 1956.
(2) The terms and conditions of appointment are as determined by Government/Rules and Regulations of the Corporation in force from time to time, as the case may be.
(3) Designations indicated in the list denote the nature of duties performed by employees.
(4) (a) The 'Remuneration' includes cost of hiring Corporation-leased accommodation wherever applicable, employer's contribution to PF etc.
(b) The Gratuity amount has not been taken into account as the same has been provided on the basis of Gratuity-cum-LIC policy taken with Life Insurance Corporation of India.
(c) In the case of employees posted abroad, the remuneration includes Foreign Allowance also.

BALANCE SHEET AS AT 31 ST MARCH, 1983

		(Rs. in thousands)		
Particulars	Schedule	31.3.1983	31.3.1982	
SOURCES OF FUNDS				
1. Shareholders' Funds				
a) Capital	'A'	1,29,82,13	1,02,82,13	
b) Share money Deposit		18,57,96	—	
c) Reserves and Surplus	'B'	23,44,74	3,69,22	1,06,51,35
2. Grants-in-aid	'C'		24,37	12,67
3. Loan Funds				
Unsecured Loans	'D'	1,49,87,86		1,51,34,01
TOTAL		3,21,97,06		2,57,98,03
APPLICATION OF FUNDS				
1. Fixed Assets	'E'			
Gross Block		1,59,05,95	30,19,72	
Less: Depreciation		16,73,30	9,00,15	
Net Block				
2. Capital Work-in-progress	'F'	1,42,32,65		21,19,57
3. Current Assets, Loans & Advances	'G'	1,17,93,78		2,20,44,53
a) Inventories		8,61,82	7,83,01	
b) Cash & Bank Balances		27,57,55	14,71,78	
c) Sundry Debtors		21,12,86	4,27,64	
d) Other Current Assets		69,42	47,77	
e) Loans and Advances		21,94,20	12,75,14	
		79,95,85	40,05,34	
Less: Current Liabilities and Provisions	'H'			
a) Liabilities		34,38,00	24,35,94	
b) Provisions		—	—	
TOTAL		34,38,00	24,35,94	
NET CURRENT ASSETS				
4. Miscellaneous Expenditure to the extent not written off or adjusted		45,57,85		15,69,40
5. Profit & Loss Account (Loss)	'I'	36,22		64,53
		15,76,56		—
		3,21,97,06		2,57,98,03
Notes to the Accounts & Contingent Liabilities	'J'			
Additional information under Part II of Schedule VI	'K'			
Schedules 'A' to 'K', 1 to 3 and Accounting Policies form an integral part of Accounts				

N.V. RAMAN
Secretary

V. SUBRAMANIAN
Director (Finance)

PIRZADA GHULAM NABI
Chairman and Managing Director

As per our separate report attached
For S.L. Khindaria & Co.
Chartered Accountants

S.L. KHINDARIA
Partner

New Delhi
Sep.13, 1983.



PROFIT & LOSS ACCOUNT FOR THE YEAR ENDED 31.3.1983

(Rs. in thousands)		
Particulars	Schedule	31.3.1983
INCOME		
1. Revenue from the Sale of Electric Power		24,36,26
2. Miscellaneous income	1	3,15
3. Total Income		24,39,41
EXPENDITURE		
4. Employees Remuneration and benefits	2	72,52
5. Generation, Transmission and Administration expenses	3	1,92,89
6. Excise duty on generation		1,38,93
7. Royalty charges on generation		1,22,81
8. Depreciation		4,22,25
9. Interest on Government Loans		7,17,83
10. Preliminary Expenses written off		4,00
Total Expenditure		16,71,23
11. Profit before income-tax and statutory appropriations		7,68,18
12. Investment allowance reserve		23,44,74
13. Provision for Taxation		—
14. Loss after taxes and statutory appropriations		15,76,56
15. Balance carried to Balance Sheet		15,76,56

N.V. RAMAN
Secretary

V. SUBRAMANIAN
Director (Finance)

PIRZADA GHULAM NABI
Chairman and Managing Director

As per our separate report attached
For S.L. Khindaria & Co.
Chartered Accountants

S.L. KHINDARIA
Partner

New Delhi
Sep.13, 1983.

National Hydroelectric Power Corporation Ltd

SHARE CAPITAL

SCHEDULE 'A' (Rs. in thousands)

Particulars	31.3.1983	31.3.1982
AUTHORISED CAPITAL		
40,00,000 Equity Shares of Rs. 1,000 each	4,00,00,00	4,00,00,00
ISSUED, SUBSCRIBED AND PAID UP CAPITAL		
1298213 Equity Shares of Rs. 1000 each, fully paid (out of this 6,29,529 Shares have been allotted for consideration other than cash and one Share has been allotted for part consideration other than cash)	1,29,82,13	1,02,82,13
	1,29,82,13	1,02,82,13

RESERVES AND SURPLUS

SCHEDULE 'B' (Rs. in thousands)

Particulars	31.3.1983	31.3.1982
CAPITAL RESERVES		
1. Contribution from Manipur Government for share of lift irrigation component		
Balance as per last Balance Sheet	3,69,22	3,08,12
Additions during the year	—	61,10
Less: adjusted during the year	3,69,22	—
	—	3,69,22
2. Investment allowance reserve	23,44,74	—
TOTAL	23,44,74	3,69,22



GRANTS-IN-AID

SCHEDULE 'C' (Rs. in thousands)

Particulars	31.3.1983	31.3.1982
GRANTS-IN-AID FOR INVESTIGATION OF HYDROELECTRIC PROJECTS		
1. Koel Karo	5,00	5,00
2. Dul Hasti	5,00	5,00
3. Chamera	2,79,19	1,45,00
4. Dhaleswari	94,47	20,00
5. Dhauliganga	30,00	—
6. Tanakpur	31,34	—
	<u>4,45,00</u>	<u>1,75,00</u>
Less: Expenditure		
A. Chamera	2,56,94	1,45,00
B. Dhaleswari	92,35	17,33
C. Tanakpur	33,82	—
D. Dhauliganga	37,52	—
	<u>4,20,63</u>	<u>1,62,33</u>
	<u>24,37</u>	<u>12,67</u>

UNSECURED LOANS

SCHEDULE 'D' (Rs. in thousands)

Particulars	31.3.1983	31.3.1982
1. Loans from Government of India	1,45,48,19	1,51,34,01
2. Interest accrued and due on loans	4,39,67	—
TOTAL	<u>1,49,87,86</u>	<u>1,51,34,01</u>

National Hydroelectric Power Corporation Ltd

FIXED ASSETS

SCHEDULE 'E' (Rs . in thousands)

Particulars	Gross Block as at 1.4.1982	Additions/ Adjust- ments	Deduc- tions/ Sales/ Transfers	Gross Block as at 31.3.1983	Total Deprecia- tion as at 31.3.83	Net Block as at 31.3.1983	Net Block as at 31.3.1982
1.	2.	3.	4.	5.	6.	7.	8.
Land (Free hold)	62,29	1,54,42	—	2,16,71	—	2,16,71	62,29
Residential Buildings	3,60,14	98,62	—	4,58,76	1,71,95	2,86,81	2,39,49
Non-residential buildings	1,83,01	14,36,91	—	16,19,92	1,59,14	14,60,78	1,44,81
Roads & Bridges	6,75,94	91,87	—	7,67,81	1,06,46	6,61,35	6,00,17
Plant & Machinery	12,73,71	24,73,65	73,26	36,74,10	8,90,36	27,83,74	7,51,37
Hydraulic Works Including Dams, Tunnels, Channels and Penstocks	—	80,54,48	—	80,54,48	1,32,10	79,22,38	—
Vehicles & Other Transport	2,20,04	76,23	36,30	2,59,97	1,06,44	1,53,53	1,67,82
Office furniture & fixtures	36,75	24,26	40	60,61	5,77	54,84	33,59
Office equipment and other appliances	34,72	10,62	7	45,27	8,11	37,16	29,12
Transmission Lines	91,60	5,36,91	—	6,28,51	61,34	5,67,17	62,35
Street Light fittings	3,53	—	3,53	—	—	—	2,90
Communication equipment	10,29	4,58	1,37	13,50	2,66	10,84	9,27
Miscellaneous equipment	53,07	20,64	52,83	20,88	3,92	16,96	3,54
Other Assets	14,63	78,69	7,89	85,43	25,05	60,38	12,91
	30,19,72	1,30,61,88	1,75,65	1,59,05,95	16,73,30	1,42,32,65	21,19,57
Previous year's figures:	26,04,62	5,37,37	1,22,27	30,19,72	9,00,15	21,19,57	



CAPITAL WORKS - IN - PROGRESS

SCHEDULE 'F' (Rs. in thousands)

Particulars	31.3.1983	31.3.1982
Survey, Investigation, Consultancy and other preliminary expenses		
Buildings & Civil Engineering Works	49,20	80,13
Communications	6,17,90	6,66,58
Hydraulic works including dams, barrages, tunnels and power channels	36,60	66,23
Penstocks	45,31,88	1,08,04,80
Plant & Machinery in Generating Station	7,75,12	6,57,65
Electrical Installations	10,05,99	27,96,50
Ancillary works	7,75	1,17,96
Trunk Transmission Lines	4,14,12	7,76,99
Incidental expenditure during construction	41,60	3,67,02
(as per statement attached)		
Balance brought forward from last year	57,10,67	40,49,87
Less: Prior period adjustments	7,67,06	—
	49,43,61	40,49,87
Add: Additions for the year	16,49,71	16,60,80
	65,93,32	57,10,67
Less: Capitalised during the year	22,79,70	—
	43,13,62	57,10,67
TOTAL	1,17,93,78	2,20,44,53

National Hydroelectric Power Corporation Ltd

STATEMENT OF INCIDENTAL EXPENDITURE DURING CONSTRUCTION FOR THE YEAR ENDED 31.3.1983

(Rs. in thousands)

Particulars	31.3.1983	31.3.1982
1. EMPLOYEES' REMUNERATION AND BENEFITS		
Salaries, wages, allowance and benefits	3,43,31	2,65,79
Foreign service contribution	8,37	7,84
Contribution to Provident Fund	19,75	13,91
Contribution to Gratuity Fund	21,90	21,16
Staff Welfare expenses	25,39	24,44
	4,18,72	3,33,14
2. REPAIRS & MAINTENANCE		
Buildings	32,43	38,24
Roads and Bridges	52,00	51,83
Machinery and construction equipment	1,02,86	1,57,99
Others	19,89	90,64
	2,07,18	3,38,70
3. Travelling & Conveyance expenses	46,28	34,40
4. Expenses on staff cars & inspection vehicles	47,91	42,28
5. Transport expenses	8,53	21,25
6. Rent	55,68	31,64
7. Rent for residential accommodation	9,81	6,36
8. Rates and taxes	42	45
9. Insurance	2,52	3,44
10. Electricity charges	6,89	1,92
11. Water charges	30	29
12. Telephone, Telex, Postage and Telegram expenses	15,44	13,58
13. Advertisements	21,27	18,24
14. Design and consultation	8,70	7,47
15. Entertainment expenses	1,15	1,18
16. Printing and stationery	22,65	20,35
17. Training expenses	99	92
18. Audit fees (includes Rs. 5000/- of 1981-82)	50	30
19. Audit expenses (Relate to prior period)	1,09	46
20. Interest on Government Loans	7,06,97	13,33,95
21. Bank charges and interest	69	12
22. Losses on materials/assets written off	2,23	4,39
23. Depreciation	1,37,12	2,06,24
24. Other expenses	37,26	65,01
	17,60,30	24,86,08



Less: Receipts and recoveries			
1. Sale of Electric Energy			5,36,43
2. Sale of scrap material			11,56
3. Electricity charges	7,82		3,19
4. Cost of tender forms	23		1,80
5. Hire charges of Plant & Machinery	93		1,28
6. Water charges	2,35		8
7. Rent	81		1,31
8. Interest: on term deposits and Saving Bank Account on Loans and Advances	74		
	43,83		29,90
Miscellaneous Receipts & Recoveries	1,58		1
	24,91		12,95
	<u>83,20</u>		<u>5,98,51</u>
Net Expenditure			
Less: i) Expenditure on repairs & maintenance allocated to capital works in progress	16,77,10		18,87,57
ii) Design charges transferred to capital works - in - progress		1,99,90	
	<u>51,43</u>	<u>29,33</u>	<u>2,29,23</u>
	16,25,67		16,58,34
Add: Net adjustment relating to prior period	1,80,52		98,97
	<u>18,06,19</u>		<u>17,57,31</u>

NOTE:

- Expenditure on entertainment and foreign travel is as certified by Management.
- The above expenditure includes the following amount paid to Directors:
 - Salaries and Allowances
 - Contribution to Provident Fund
 - Rent for residential accommodation
 - Medical Reimbursement
 - Foreign Service contribution
 - Travelling expenses
 - Transfer Travelling expenses
 - Leave Travel concession
- In addition to the above, whole-time directors were also allowed the use of company's car for official journeys and private journeys upto 500 kms. on payment of Rs. 100/- p.m. in terms of Government sanction. Perquisite value of staff car, if available for unrestricted use, would have worked out to Rs. 11,482/- during the year 1982-83.

Rs.	1,34,331
Rs.	5,396
Rs.	16,500
Rs.	3,984
Rs.	6,600
Rs.	1,13,832
Rs.	1,746
Rs.	8,273

National Hydroelectric Power Corporation Ltd

STATEMENT OF ALLOCATION OF INCIDENTAL EXPENDITURE DURING CONSTRUCTION

(Rs. in thousands)

Particulars		31.3.1983		31.3.1982	
Net expenditure as per statement of incidental expenditure during the year		18,06,19		17,57,31	
ALLOCATION TO:					
A. Transmission Construction Units					
(Deposit works)					
1. Gangtok-Melli-Kalimpong					
2. Gangtok-Dikchu	10		42		
3. Leimatak-Jiribam	1,07		1,59		
4. Ramnagar-Gandak	1		4		
5. Singrauli-Kanpur	1,38	2,56	2,92		4,97
B. Projects on Agency Basis					
1. Salal Project	96,49		69,70		
2. Devighat Project	21,06	1,17,55	18,50		88,20
C. Investigation Projects					
1. Chamera Project	5,60		3,01		
2. Dhaleswari Project	4,13		33		
3. Dhauliganga	2,07		—		
4. Tanakpur	66		—		
5. Konkan	2,04		—		
6. Rangit	1	14,51	—		3,34
D. Own Projects Under Construction					
1 Baira Siul Project					
a) Direct expenditure	2,34,24		5,41,32		
b) Corporate Office share	11,33	2,45,57	23,18	5,64,50	
2. Loktak Project					
a) Direct expenditure	11,98,23		10,04,80		
b) Corporate Office share	37,19	12,35,42	23,62	10,28,42	
3. Koel Karo Project					
a) Direct expenditure	52,18		23,41		
b) Corporate Office share	1,48	53,66	3,03	26,44	
4. Dul Hasti Project					
a) Direct expenditure	48,69		28,30		
b) Corporate Office Share	2,05	50,74	3,62	31,92	
5. Chukha Transmission Construction Unit					
a) Direct expenditure	36,36		4,94		
b) Corporate Office share	27,96	64,32	4,58	9,52	16,60,80
E. Projects Under Operation					
Baira Siul Project		21.86			
Corporate Office share					
		18,06,19			17,57,31



CURRENT ASSETS, LOANS AND ADVANCES

SCHEDULE 'G' (Rs. in thousands)

Particulars	31.3.1983	31.3.1982
1. INVENTORIES		
Stores & Spare Parts (at estimated cost)	8,61,82	7,83,01
2. CASH & BANK BALANCES		
i) Cash, Imprest, Postal Orders and Postal Stamps	26,02	14,19
ii) Balances with Scheduled Banks		
Savings Bank Account	21,45,95	4,91,01
Short Term Deposits	5,50,00	9,00,00
iii) Balances with Non-Scheduled Banks		
Maximum Balance during the year		
	1982 -83	1981 -82
Current Accounts		
Nepal Rashtra Bank, Kathmandu	74,33	67,56
Nepal Bank Ltd., Trisuli	42,46	52,83
3. OTHER CURRENT ASSETS		
i) Interest accrued on deposits	20,01	20,00
ii) Workshop & General Suspense	49,41	27,77
4. SUNDRY DEBTORS		
i) Debts outstanding for a period exceeding six months (considered good)	14,96,42	1,96,44
ii) Other debts less than six months (considered good)	6,16,44	4,27,64
5. LOANS & ADVANCES		
Advances recoverable in cash or kind or for value to be received		
— Secured (Considered good)	2,58	2,42
— Unsecured (Considered good)	21,58,73	12,55,41
Loans		
To employees (Secured)	30,92	15,34
6. Balance with Customs and Port Trust Authority		
	1,97	1,97
TOTAL	79,95,85	40,05,34

NOTES:

1. Advance due by Directors Rs. 4068/- (Maximum amount due at any time during the year amounts to Rs. 4068/-) (Previous year - nil -)
2. Advance due by Companies' in which any Director of the Corporation is a Director or a Member amounts to Rs. 23.10 lakhs. (Previous year Rs. 32.94 lakhs)

National Hydroelectric Power Corporation Ltd

CURRENT LIABILITIES AND PROVISIONS

SCHEDULE 'H'
(Rs. in thousands)

Particulars	31.3.1983	31.3.1982
LIABILITIES		
1. Sundry Creditors	6,77,94	3,89,22
2. Unspent amount of deposit/Agency works	2,49,63	2,56,11
3. Deposits, retention money from Contractors and others	86,57	79,39
4. Other Liabilities	4,98,74	2,53,92
5. Interest accrued but not due on loans from the Government of India	4,83,64	4,51,89
6. Liability for cheques issued	14,41,48	10,05,41
TOTAL	34,38,00	24,35,94

NOTE: Liability for cheques issued represents cheques issued on Scheduled Bank but not debited by the bank.

ANNEXURE TO SCHEDULE 'H'

DETAILS OF DEPOSIT WORKS AND PROJECTS ON AGENCY BASIS

(Rs. in thousands)

Sl. No.	Particulars	Amount of Deposit upto 31.3.1983	Expenditure upto 31.3.1982	Expenditure during the year	Share of Corporate Office expenditure for the year	Total expenditure up to 31.3.1983	Unspent Amount
1.	2.	3.	4.	5.	6.	7.	8.
A. DEPOSIT WORKS							
TRANSMISSION CONSTRUCTION UNITS							
1.	Gangtok to Melli- } Kalimpong }	4,08,65	3,81,57	4,82	10	3,86,49	22,16
2.	Gangtok to Dikchu }						
3.	Liematak-Jiribam	4,12,04	3,55,74	53,45	1,07	4,10,26	1,78
4.	Ramnagar-Gandak	1,77,30	1,57,56	42	1	1,57,99	19,31
5.	Singrauli-Kanpur	25,12,01	24,29,88	68,80	1,38	25,00,06	11,95
B. PROJECTS ON AGENCY BASIS							
1.	Salal Project Including Transmission Construction Unit, Jammu)	1,63,80,24	1,13,78,19	48,48,11	96,49	1,63,22,79	57,45
2.	Devghat Project	33,25,67	21,02,02	10,65,61	21,06	31,88,69	1,36,98
							2,49,63

NOTE: Expenditure on Transmission Construction Units and Projects on Agency basis represents cash expenditure only and does not include accrued expenditure. Expenditure, however, includes advances to staff, advances to suppliers, contractors, deposits and unconsumed stock etc.



MISCELLANEOUS EXPENDITURE

SCHEDULE 'I' (Rs. in thousands)

Particulars	31.3.1983	31.3.1982
Miscellaneous expenditure to the extent not written off or adjusted		
1. Preliminary expenses	36,01	40,01
2. Deferred Revenue expenditure	21	24,52
TOTAL	36,22	64,53

MISCELLANEOUS INCOME

SCHEDULE 1 (Rs. in thousands)

Particulars	31.3.1983
1. Hire charges of vehicles and plant and machinery	43
2. Other Miscellaneous Receipts and Recoveries	2,72
TOTAL	3,15

EMPLOYEES REMUNERATION AND BENEFITS

SCHEDULE 2 (Rs. in thousands)

Particulars	31.3.1983
a) Salaries, Wages and Allowances	55,94
b) Company's Contribution to Provident Fund	4,84
c) Staff Welfare Expenses	11,74
TOTAL	72,52

National Hydroelectric Power Corporation Ltd

GENERATION, TRANSMISSION AND ADMINISTRATION EXPENSES

SCHEDULE 3 (Rs. in thousands)

Particulars	31.3.1983
A. GENERATION AND TRANSMISSION EXPENSES	
i) Consumption of Stores and Spares	4,42
ii) Repairs and Maintenance	
a) Buildings	7,64
b) Machinery	20,78
c) Others	29,73
iii) Wheeling charges	38,07
iv) Other operational expenses	73
B. ADMINISTRATION EXPENSES	
v) Rates and Taxes	3
vi) Insurance	2,05
vii) Electricity charges	1,14
viii) Travelling and Conveyance	3,25
ix) Telephone, Telex, Postage expenses	38
x) Advertisements	11
xi) Entertainment expenses	9
xii) Printing and Stationery	46
xiii) Other Miscellaneous expenses	24,01
TOTAL	1,92,89



EXPLANATORY NOTES

SCHEDULE 'J'

1. Contingent liabilities exist in respect of the following:
 - a) Claims against the company not acknowledged as debts amounting to Rs. 90.24 lakhs. (Previous year Rs. 159.21 lakhs) excluding cost of land acquired at Torpa as value not assessed.
 - b) The Income-tax Officer has held the interest receipts and other miscellaneous receipts and recoveries during construction as taxable in the Assessment Year 1979-80 and 1980-81 and has raised a demand for Rs. 52.84 lakhs (Previous Year Rs. 21.99 lakhs). The notice for reopening of the Assessment proceedings for the Assessment 1978-79 on the above account has also been received. The contention of the Corporation that the above receipts are not taxable has been upheld by the CIT (Appeals) for the Assessment Year 1979-80. The Income-tax Department has gone in Appeal to the Tribunal against the orders of the CIT (Appeals). No provision has been made for income-tax on receipts during construction as the company contends that the same are not taxable.
 - c) No Provision has been made for a dispute regarding sales tax registration in Loktak Project, the financial impact of which cannot be ascertained.
2. Estimated amount of contracts remaining to be executed on capital accounts and not provided for is Rs. 680.08 Lakhs (Previous Year Rs. 7,656.74 lakhs). This includes a commitment of Rs. 316.55 lakhs made to the Ministry of Transport for the improvement of the Batote-Kishtwar Road connecting the Dul Hasti Project site. The Corporation has already advanced Rs. 83.46 lakhs (shown under Loans & Advances) for this purpose.) Pending ascertainment of the extent of work completed, no provision/adjustments have been made in the accounts. The Contingent liability, if any, in respect of Projects executed on Agency basis, Deposit works and works executed against grants-in-aid has not been included, as the Corporation does not anticipate any liability.
3. No provision has been made in the accounts for Bonus as the liability for bonus under the Bonus Act has not accrued.
4. The transfer value of Baira Siul Project has been taken in accounts as per sale Deed. There is a difference of Rs. 10.00 lakhs in Equity Share Capital and Rs. 6.63 lakhs in Loans, resulting in a net difference of Rs. 3.37 lakhs between the figures stated in Sale Deed and the Sanction letter issued by the Ministry of Energy. The matter has been taken up with the Ministry for revision of the figures of their sanction letter.
5.
 - a) The loans and the interest during construction for Baira Siul Project have been rescheduled taking into account the increased Project cost and start of commercial production from 1.4.1982. The Controller of Accounts, Ministry of Energy, has approved the proposed rescheduling of loans by transferring Rs. 1729.05 lakhs to Share Capital Deposit and Rs. 864.56 lakhs representing Interest written back to incidental expenditure during construction under work in Progress. Provision has been also made in the Budget of Ministry of Energy. Formal Orders of the Ministry of Energy for rescheduling of loans and IDC is awaited. The interest during construction has been capitalised on the basis of rescheduled loans. Similarly interest during the financial year has been accounted for on the basis of re-scheduled loans.
 - b) The Corporation has requested the Ministry of Energy to approve the re-scheduling of loans and interest during construction for Loktak Project. As the Ministry has yet to approve the proposal, the liability has been provided on the basis of loans already sanctioned.
6. The State Government of Himachal Pradesh has raised a claim against the Corporation for sharing of profit earned from the Baira Siul Project. As per the revised formula approved by the Central Government, the royalty @ 1.5 paise per unit is only payable to State Government and accordingly the provision for royalty only has been made.
7.
 - a) The cost of land represents provisional/initial payments towards compensation and other incidental expenses. Final accounts regarding compensation are yet to be received in most of the cases from the concerned authorities.
 - b) Land Register could not be completed in respect of land under acquisition/acquired for want of details of acquisition cost etc.
 - c) The title of land has not been passed on to the Corporation, as legal formalities are yet to be completed.
8. Rs. 112.11 lakhs have been spent on roads, bridges and culverts on land not belonging to the Corporation.

National Hydroelectric Power Corporation Ltd

9. Surplus/obsolete stores, if any, lying at the Projects which have been completed or which are nearing completion are in the process of being identified. Efforts are also being made to transfer the surplus stores to other Projects where required. As such, no provision has been made for losses, if any, which may arise from the disposal of such stocks.
10. Losses on account of shortages, thefts and damages etc. estimated at Rs. 67.98 lakhs are under investigation. Necessary adjustments will be made after investigations are complete. This does not include amount for the thefts of ACSR Aluminium conductor (Panther) at certain places of transmission line at Loktak Project pending ascertainment of losses involved.
11. Priced Stores Ledgers are not complete and have not been reconciled. The net balance of Rs. 861.82 lakhs reflected in accounts is as per General ledger.
12. The value of most of the identified scrap in projects has been assessed and accounted for. Steps are being taken to account for balance scrap.
13. The amount standing to debit/credit of parties, material issued on loan and stock issued to the Contractors and fabricators are subject to confirmation and reconciliation.
14. The amount recoverable from the Government of India on account of Gratuity for services rendered by eligible employees prior to take over of the Projects has not yet been determined and so has not been taken into account.
15. The agreement for the supply of power with Delhi Electricity Supply Undertaking and Himachal Pradesh Electricity Board is under finalisation. Pending finalisation of the agreement, the sale to DESU & HPSEB has been accounted for on a provisional basic rate of 28.15 paise per unit.
16. Incidental expenditure during construction includes interest amounting to Rs. 706.97 lakhs (Previous Year Rs. 1333.95 lakhs) on loans from Government of India.
17. Corporation has prepared the Profit & Loss Account during the financial year 1982-83 for the first time. During the year, the Accounting Policies relating to the Depreciation, Sharing of cost of assets by other agencies, creation of liability for stores in transit and work executed but not measured and treatment of deferred Revenue expenditure during construction has been modified/changed. As the Profit & Loss Account has been prepared for the first time, the impact of the above, if any, on the profit/loss has not been ascertained. Also Previous year's figures have not been shown being the first Profit and Loss Account.
18. Previous year's figures have been suitably re-arranged wherever practicable to correspond to the current year's figures.
19. In certain cases in the absence of receipt of information/documents from Works & Stores Divisions of the Corporation Units regarding receipt and consumption of material, necessary provisions for liabilities, their adjustment with advances to suppliers and adjustment of consumption of material could not be done.
20. In certain cases, the complete relevant details relating to outstanding advances to staff is under preparation and reconciliation.
21. In Loktak Project Rs. 18.45 lakhs, (Previous year Rs. 18.45 lakhs) appearing in Miscellaneous equipment relates to pre-take over period for which details are not yet available. Pending collection of details, depreciation has been provided on provisional basis.
22. In Dul Hasti Project the liability for hire charges payable to Salal HE Project has not been provided in absence of determination of amount payable.
23. In Dul Hasti and Baira Siul Projects, departmental advances for local purchases and advances to suppliers/contractors etc. are under reconciliation with the figures in the General Ledger. Pending reconciliation, the amounts of advances have been shown as per figures appearing in the General Ledger.
24. In Loktak and Baira Siul Projects, the debt, deposit and remittance heads under the CPWD system of accounting for the pre-takeover period are being analysed to arrive at the balances recoverable from/payable to the Government of India as on the date of transfer of the Projects to the Corporation. The claims have been lodged with the Government of India to the extent the balances have been identified. Necessary adjustments would be made on the completion of the analysis.
25. The expenditure amounting to Rs. 3.55 lakhs incurred on Chamara Stage II has been met out of Grants-in-aid for which formal approval from the Government of India is awaited.

26. In Baira Siul Project:

- a) The capitalisation has been done as per Accounting Policy (No. 5).
However, in case of some assets, details of which could not be assessed/calculated, the capitalisation has been done on estimated basis pending finalisation of the details. The value of the assets including the Depreciation, if any, will be adjusted after arriving at the complete details.
- b) The excise duty to be recovered for the sale of power is being accounted for on the basis of 96% of the quantity delivered at Pong Delivery Point. However, some of the beneficiaries States Electricity Boards have not accepted the above formula.
- c) The current assets and liabilities included balances of Rs. 212.04 lakhs, Rs. 274.73 lakhs respectively (Previous year Rs. 335.40 lakhs and Rs. 278.99 lakhs respectively) on account of stores issued to the Contractors/advance payments to the suppliers and sundry creditors for supply of materials after reducing minus balances to the extent of Rs. 118.68 lakhs & Rs. 175.96 lakhs respectively. Lists of balances including the minus balances are being reviewed and analysed for correcting the adverse balances and reconciliation with the balances as per General Ledger. The adjustment of difference in issue prices of material and contracted recovery rates, to the concerned works is also in progress
- d) A balance of Rs. 4.14 lakhs (Previous year Rs. 11.71 lakhs) appearing under the head "Transfer between the Depots", is under reconciliation and itemwise detail is being compiled.
- e) The debit balances of Rs. 0.54 lakhs and Rs. 12.19 lakhs respectively appearing under the head "Unpaid Salaries and wages" and "Payment Control Account" are still to be analysed for making necessary adjustments.
- f) Claims against Insurance Companies lodged will be accounted for as and when realised.

27. The valuation of stores and spares including fixation of issue rate is under review in some of the Projects. The necessary adjustments in the stock, if any, would be made after completion of the review.

28. Fixed Assets/Stores amounting to Rs. 27.54 lakhs have been acquired from Bihar State Electricity Board for Koel Karo Project. Pending receipts of Bills from the BSEB the assets/stores have been incorporated on the basis of estimated value of Assets as on 31.3.83. Hence, no depreciation has been provided on such Assets during the current year.

29. In Chukha Transmission Construction Unit:

- a) Pending receipt of verified bills and other related documents from the concerned Department/Suppliers, no provision has been made in respect of some of the assets in use against which an amount of Rs. 9.09 lakhs is lying unadjusted and shown as advance.
- b) An amount of Rs. 28.00 lakhs paid during the year to National Insurance Company Ltd. against insurance charges have been shown in the accounts under loans and advances pending finalisation of Premium Rates.

30. In Dhaleswari Project, the reconciliation between Fixed Assets Registers and General Ledger has not been made. Depreciation has been calculated on the basis of details recorded in the Fixed Assets Register.

31. The amount under workshop and General Suspense includes:

- a) Expenditure incurred by Bombay Liaison Office amounting to Rs. 9.33 lakhs on transportation/handling etc. of materials pending ascertainment of Projectwise details.
- b) Inter Unit transactions amounting to Rs. 4.63 lakhs is awaiting acceptance/ adjustments pending collection and verification of details.

32. An amount of Rs. 19.83 lakhs under Deferred Revenue Expenditure appearing in the Accounts for 1981-82 has been allocated to Incidental Expenditure During Construction account during the current year.

33. The amount recovered/recoverable from the Government of Manipur towards cost of the irrigation component of the Loktak Project amounting to Rs. 326.74 lakhs shown under Reserves & Surplus, till the end of the previous year, has been adjusted with work in progress.

**ADDITIONAL INFORMATION REQUIRED UNDER PART II
OF SCHEDULE VI OF THE COMPANIES ACT, 1956**

SCHEDULE 'K'

Particulars	1982 -83	1981 -82		
1. EXPENDITURE ON EMPLOYEES				
Expenditure on employees who are in receipt of remuneration not less than Rs. 36,000/- per annum if employed throughout the year or Rs. 3000/- per month if employed for part of the year				
a) Employed throughout the year				
i) Number of employees	78	38		
ii) Salary & wages (Rs. in thousands)	34,75	15,98		
iii) Value of perquisites -do-	78	22		
b) Employed for part of the year				
i) Number of employees	8	13		
ii) Salary & wages (Rs. in thousands)	1,97	2,48		
iii) Value of perquisites - do-	3	14		
(This does not include employees at Salal & Devighat Projects which are being executed on agency basis and the remuneration of such employees is debited to deposits from the Government of India and are not debited to Corporation's Incidental Expenditure during construction.				
However, information for Salal & Devighat Projects is as under:-	1982 -83	1981 -82		
	Salal	Devighat	Salal	Devighat
a) Employed throughout the year				
i) Number of employees	8	5	8	12
ii) Salaries & wages (Rs. in thousands)	3,55	2,10	2,31	4,98
iii) Value of perquisites - do-	—	—	15	—
b) Employed for part of the year				
i) Number of employees	1	2	—	14
ii) Salary & wages (Rs. in thousands)	13	69	—	3,81
iii) Value of perquisites - do-	—	—	—	—
NOTE:				
1. The gratuity amount has not been taken into account as the same has been provided on the basis of Gratuity-cum-L.I.C. policy taken with the Life Insurance Corporation.				
2. Emoluments of Devighat employees include foreign allowance.				
2. Expenditure incurred in foreign currency	1982 -83	1981 -82		
	Rs., 000	Rs., 000		
i) Know-how	3,62	—		
ii) Other miscellaneous matters	1,11	2,56		
3. Value of spare parts and components Consumed				
i) Imported	—	Not Ascertained		
ii) Indigenous	4,42	100%		
4. Value of imported Plant & Machinery and Spares	42,09	5,89		
5. Licensed/installed capacity and actual production	1982 -83	1981 -82		
	Baira Siul	Baira Siul		
i) Licensed capacity	180 MW	Not applicable		
ii) Installed capacity	180 MW	3 X 60 MW		
iii) Actual production	820.967	Under Trial run		
	illion units	216.18 million units		
iv) Value (Rs.'000)	24,36,26	—		
	(753.84 M.U)			
NOTE:				

NOTE:

- Value of import has not been calculated on CIF basis in all cases.
- The information relating to Raw material consumed, Raw material imported, opening and closing stock of finished goods and work in process is NIL.
- Value of spare parts and components consumed is in respect of operational Projects only.



ACCOUNTING POLICIES

1. Liability accruing from year to year on account of service gratuity is discharged by paying requisite premium on LIC policy and accounted for in the year of payment.
2. Liability for payment for imported equipment/services is worked out with reference to the rate of exchange ruling on the date of payment.
3. The Corporation has received grants-in-aid for investigation of various projects. The balance of grants-in-aid has been reflected in accounts under current liabilities and provisions after deducting expenditure incurred on investigation works. The ownership of the assets for the expenditure incurred from grants-in-aid does not vest with the Corporation and hence not included in the assets of the Corporation.
4. Liability if any for capital works executed but not measured has not been provided as the work has not been finally inspected and accepted by the Corporation. Similarly, liability for material in transit has not been provided till the time of receipt, inspection and acceptance of the material by the Corporation.
5. The completed assets have been capitalised on the basis of cost incurred on construction of such assets. However, where the actual expenditure could not be determined, the same has been determined on the basis of estimated cost.
6. The amounts contributed by other agencies including State Governments towards part of cost of certain Assets belonging to Corporation have been reduced from the cost of such Assets and the net cost has been shown in the Accounts.
7. In the project under construction, the grant/share of cost/expenditure incurred on the assets on land not belonging to the Corporation has been accounted for under construction work in progress pending final allocation.
8. Depreciation on fixed assets is provided on straight line method by dividing 95% of the original cost of the assets by the specified period calculated in accordance with the Indian Income-tax Act, 1961 and rounded to the next two decimals on higher side, taking into effect the double shift and triple shift workings in applicable cases.
9. Inter project/unit transfers of plant and machinery and stores are transferred at Book value.
10. The total amount of incidental expenditure during construction and intangible expenditure incurred on the project which has been put to commercial operation during the year have been allocated on the tangible fixed immovable assets excluding land on the basis of cost appearing/adjusted as on 1st day of the start of commercial production.
11. Value of stock of capital stores and revenue stores lying at various work/sites has been directly charged to construction works in progress and generation, transmission and administrative expenses respectively.
12. The petty items and tools, the individual value of which is less than Rs. 100/- has been charged to consumption a/c. The value of loose tools costing Rs. 100/- and more in each case has been capitalised and shown under loose tools. The value of loose tools so capitalised has been written off in 5 equal annual instalments by debit to consumption of loose tools.
13. The Corporate Office expenses excluding advances and assets is allocated as under:-
 - a) On the existing Transmission Lines being executed by the Corporation as deposit works at a flat rate of 2% of the direct capital expenditure incurred. The profit or loss if any, on deposit work taken on fixed Administration/Management fees would be adjusted/accounted for on completion of such work and finalisation of its accounts.
 - b) Estimated Design expenses incurred in the Corporate Office in respect of projects/units on the basis of quantum of services rendered to the respective projects/units.
 - c) On operational projects @ 1% of sales of energy excluding wheeling charges and excise duty.
 - d) The balance expenditure is allocated to projects under construction, projects on agency basis and capital expenditure on operational projects on pro-rata basis in the ratio of their net capital expenditure incurred during the year.
14. The interest, if any, to be received on overdue payments for the sale of energy, and advances given to the staff etc. has been accounted for as and when actually received, and not on the basis of accrual.
15. Expenses or income related to earlier years incurred or realised during the current year have been shown under the heading prior period adjustments only if the amount involved is more than Rs. 5,000/- in each case.
16. The liability, if any, on account of reimbursement of deficit of Employees Provident Fund Trusts are accounted for as and when the amounts are paid to the Trusts.
17. In operational projects, where construction activity is still continuing, the common service expenses have been primarily allocated on the basis of estimated services rendered to/benefit derived by each activity i.e. construction/operation.

AUDITORS' REPORT

To the Members of National Hydroelectric Power Corporation Limited

We have audited the attached Balance Sheet of National Hydroelectric Power Corporation Ltd., as at 31st March, 1983 and also the Profit & Loss Account for the year ended on that date, annexed thereto, in which are incorporated the Accounts of the Projects/Units audited by the Branch Auditors:

As required by the Manufacturing and Other Companies (Auditors' Report) Order, 1975 issued by the Company Law Board in terms of Section 227 (4A) of the Companies Act, 1956, we enclose in the annexure, a statement on the matters specified in paragraphs 4-5 of the said Order. Further to our comments in the annexure referred to above we report that:-

- (1) We have obtained all the information and explanations which to the best of our knowledge and belief, were necessary for the purpose of audit;
- (2) in our opinion proper books of accounts, as required by law, have been kept by the Company, as far as appears from our examination of the books and proper returns, adequate for the purpose of audit, have been received from the Projects/Units not visited by us;
- (3) the reports of the Branch Auditors, in respect of the Projects/Units not audited by us, has been received and the same have been considered while preparing our report;
- (4) the Company's Balance Sheet and the Profit & Loss Account, dealt with by this report, are in agreement with the books of accounts and returns;
- (5) in our opinion and to the best of our information and according to the explanations given to us, the said accounts together with the accounting policies and Explanatory Notes, forming part thereof, and subject to:-
 - Item No.5 of the accounting policies regarding capitalisation of completed assets at estimated values;
 - Item No.13 of the accounting policies regarding non-accounting of profit or loss on deposit works, on account of administrative/management fees, till finalisation of its accounts;
 - Item No.17 of the accounting policies regarding allocation of the common revenue expenses;

NOTES

- No.5 (a) regarding rescheduling of loans and interest and the consequent reduction of Incidental Expenditure During Construction allocated to tangible fixed assets;
- No. 5 (b) regarding rescheduling of loans and interest and its effect on the liability in respect of loans and interest;
- No. 7 (a) regarding accounting of cost of land on the basis of provisional/initial payments;
- No. 7 (b) regarding non-completion of Land Registers;
- Nos. 9,10, 11, & 27 regarding the effect on the value of inventory of stores and spares, as a result of the non-adjustment, in the books of accounts, of:-
 - a) surplus/obsolete stores,
 - b) losses due to theft, shortages and damages,
 - c) non-reconciliation of Priced Store Ledgers,
 - d) non-fixation of issue rates of stores and spares;
- No. 14 regarding non-determination of amount recoverable from the Government of India on account of gratuity relating to employees belonging to projects, prior to their take-over;
- No. 15 regarding sale of power to Delhi Electricity Supply Undertaking and Himachal Pradesh State Electricity Board on a provisional basic rate;
- No. 17 regarding the non-disclosure of the effect of the change in the accounting policy relating to depreciation on the Profit and Loss Account and the Statement of Incidental Expenditure During Construction attached to Schedule 'F';
- No. 19 regarding the lack of information/documents from Works and Stores Division;
- No. 20 regarding the outstanding advances to staff and its reconciliation;
- No. 21 regarding the non-availability of details relating to miscellaneous equipment, as a result of which depreciation has been provided on provisional basis;
- No. 22 regarding non-provision of the liability for hire charges payable by Dulhasti Hydro-electric Project;
- No. 23 regarding non-reconciliation of the figures as per subsidiary records with the balances appearing in the General Ledger;
- No. 24 regarding non-adjustment of the amounts recoverable from /payable to the Government of India in respect of Loktak and Baira Siul Projects;



- No. 26 (a) regarding capitalisation of assets and depreciation thereon on estimated basis in respect of Baira Siul Project;
- No. 26 (b) regarding recovery of excise duty relating to Baira Siul Project;
- No. 26 (c) regarding the non-reconciliation of the balances of advance payments to suppliers/contractors with the balances as per General Ledger and the non-accounting of the consequent effect on the fixed assets capitalised during the year and on the advances to contractors/suppliers;
- No. 26 (d) regarding non-reconciliation of the amount under the head "Transfer Between Depots" and effect thereof;
- No. 26 (e) regarding non-adjustment of the amounts appearing under the heads "Unpaid Salaries and Wages" and "Payment Control Account" and its resultant effect;
- No. 28 regarding fixed assets/stores taken over from Bihar State Electricity Board for Koel Karo Project, being shown at internally estimated values;
- No. 29 (a) regarding non-capitalisation of the value of the assets in use at Chukha Transmission Construction Unit;

- No. 29 (b) regarding payment of insurance premium not being shown under capital works in progress/Incidental Expenditure During Construction;
- No. 31 regarding non-adjustment of workshop and general Suspense Account;

give the information required by the Companies Act, 1956 in the manner so required and give a true and fair view:

i) in the case of Balance Sheet, of the state of affairs of the Corporation, as on 31st March, 1983;

ii) in the case of Profit & Loss Account, of the loss of the Corporation, for the year ended on the date.

for S.L. KHINDARIA & CO
Chartered Accountants

New Delhi,
Dated September 13, 1983.

S.L. Khindaria
PARTNER

ANNEXURE TO THE AUDITORS' REPORT

Referred to in our Report of even date .

- A i) The Company has maintained proper records for a major portion of the fixed assets. The records maintained do not show situational details in certain cases. In Loktak Project, as mentioned in Note No. 21 to the Balance Sheet, details of individual items, under the head 'Miscellaneous Equipment', are not available in the Asset Register. Physical verification of fixed assets has not been done at the Corporate Office during the year. At other sites, these have been partially verified. No adjustment has been made in the accounts in respect of the discrepancies that have been found.
- ii) Fixed assets have not been revalued during the year.
- iii) Physical verification of stores has been carried out at Loktak and Baira Siul Projects. In respect of the other projects, only partial physical verification has been conducted and no serious discrepancies were found. Shortages due to theft at Loktak, Baira Siul and Koel Karo amounting to Rs. 67.98 lakhs have not been adjusted in the books of account.
- Since the Priced Stores Ledgers are not maintained properly and issues/ receipts of stores and materials have not been properly dealt with in the accounts, we are not in a position to comment on the value of inventory as shown in the Balance Sheet.
- iv) The Company has not taken any loans secured or unsecured from companies, firms or other parties listed in the Register maintained under Section 301 and 370 (I-C) of the Companies Act, 1956 .
- v) The Company has given advances in the nature of loans to employees of the Corporation. Repayment of such loans and interest thereon is generally made in the manner stipulated under the Agreement for issue of such loans. However, in a few cases the payments have not been made as stipulated.
- vi) There are internal control procedures commensurate with the size of the company and the nature of its business for the purchase of stores, raw materials including components, plant and machinery equipment and other assets. In our opinion, these procedures need to be strengthened and laid down procedures to be strictly followed to ensure proper control over such purchases.
- vii) On the basis of information made available to us, no purchases have been made during the year, of stores and spare parts or components exceeding Rs. 10,000/- in value for each type from firms or

companies or other parties in which the Directors are interested.

- viii) Unserviceable or damaged stores have been partially identified at Loktak Project. No provision has been made in the accounts in respect of these stores. At other projects, there is no proper procedure for the determination or identification of such stores.
- ix) The Corporation has not accepted any deposits from the public.
- x) As explained to us, no by-products or scrap has been generated during the course of generation of electricity at Baira Siul Project. However, in our opinion, reasonable records have not been maintained in respect of scrap being generated during the process of construction except at Loktak Project.
- xi) The Corporation has an internal audit system in operation. However, in our opinion, the coverage by the internal audit section is not commensurate with the size of the Corporation and the nature of its business. Proper follow-up action on Internal Audit Reports needs expediting.
- xii) Maintenance of Cost records has not been prescribed by the Central Government under section 209 (1) (d) of the Companies Act, 1956 .
- xiii) Provident Fund dues have not been deposited, in some cases, within the stipulated time with the appropriate authorities, during the year.
- B. In respect of agency work:
- i) There exists an adequate system of recording receipts, issues and consumption of stores and materials. Such system provides for a reasonable allocation of the materials and man-hours consumed to the relevant jobs.
- ii) There does exist a reasonable system of authorisation at proper levels with necessary control on the issue of stores and allocation of stores and labour to jobs and there is an adequate internal control system commensurate with the size of the company and the nature of its business.

S .L. KHINDARIA & Co.
Chartered Accountants

Place: New Delhi
Date: September 13, 1983

S.L. Khindaria
PARTNER

Comments of the Comptroller and Auditor-General of India under Section 619 (4) of the Companies Act, 1956 .

I have to state that the Comptroller and Auditor-General of India has no comments upon or supplement to the Auditors' Report under Section 619 (4) of the Companies Act, 1956 , on the accounts of National Hydro-electric Power Corporation Limited for the year ended 31st March, 1983 .

Sd/- N. Srivastava

BHOPAL
27th September, 1983 .

Member, Audit Board & Ex-Officio
Director of Commercial Audit