



REPORT OF THE IRRIGATION AND POWER TEAM
ON
KOYNA PROJECT
(BOMBAY STATE)

COMMITTEE ON PLAN PROJECTS
GOVERNMENT OF INDIA
NEW DELHI
FEBRUARY 1959

LETTER OF TRANSMITTAL

No. COPP/IP/45/58
RAJ BHAVAN,
CHANDIGARH

January 17, 1959.

MY DEAR PANTJI,

I have great pleasure in forwarding to you the Report of the Team for Irrigation and Power on Koyna Project. The Report is the result of close study of all relevant facts and observation of necessary matters. The method followed was to consult the Project Authorities concerned at every step, the dominant thought being to do everything in close cooperation and in a spirit of joint endeavour.

2. As the work of the Team proceeded, interim reports were submitted from time to time and thus no time was allowed to be wasted for such recommendations being implemented as were agreed to and approved. The Report has the concurrence of the Consultative Committee which was appointed to advise the Team on technical questions. The main recommendations of the Team were discussed with the concerned State Authorities and the Draft Report was discussed with them before it was finalised by the Team. The reactions of various concerned authorities, are being placed in the form of a tabular statement in accordance with Memorandum No. COPP/4/(14)/58, dated the 13th May 1958, of the Committee on Plan Projects to the Leader of the Irrigation and Power Team.

3. I take this opportunity of thanking you for the close personal interest you have taken in the investigation and for the guidance you gave me throughout the period of investigation and enquiry. I take this opportunity to thank the Secretary of the Committee on Plan Projects whose cooperation was invaluable and also to place on record the help and guidance which the Members of the Consultative Committee made available to the Team throughout.

With regards,

Yours sincerely,
N. V. GADGIL

SHRI GOVIND BALLABH PANT,
MINISTER FOR HOME AFFAIRS,
NEW DELHI

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PREFACE

The Committee on Plan Projects, set up by the National Development Council, had decided in May 1958 that Koyna and Nagarjunasagar multi-purpose Projects should be studied according to the terms of reference, with a view to securing economy and efficiency in the utilisation of financial and other scarce resources. The Team for Koyna Project consisted of :

Shri N. V. Gadgil	Leader
Shri Balwant Singh Nag, formerly Member, High Level Committee on Floods, C.W. & P.C.	} Members
Shri M. P. Mathrani, Chief Engineer (Retd.), Bihar	

The Team was assisted by a Consultative Committee consisting of senior engineers :

Dr. A. N. Khosla, M.P.,
Vice-Chancellor, Roorkee University

Shri N. N. Iengar,
Electrical Adviser,
Hindustan Steel (P) Ltd.,

Shri M. S. Tirumale Iyengar,
Chief Engineer, Hirakud

Shri A. C. Mitra,
Chief Engineer, Irrigation, &
Chief Engineer-in-charge,
Rihand Project. (U.P.)

Shri D.S. Borker worked as Secretary to the Consultative Committee and also to the Irrigation and Power Team.

2. The Terms of Reference which were communicated by the COPP in their Memorandum No. COPP/4/(14)/58 dated the

MAPS AND CHARTS

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13th May 1958 required that the Team should make a study of various aspects of the two Projects, in particular :—

- (1) The aspects of the Project having a bearing on economy and efficiency with special reference to :
 - (a) Utilisation of trained personnel and materials;
 - (b) Utilisation of machinery and equipment;
 - (c) Construction Plant lay-out;
 - (d) Adequacy of original estimates and designs as evidenced from actual construction of the project;
 - (e) Phasing of construction with a view to studying whether:
 - (i) timely utilisation of benefits accruing from the Project has been ensured;
 - (ii) it is possible to accelerate accrual of benefits; &
 - (iii) benefits could be increased by rephasing the project at this stage;
 - (f) Sufficiency of investigations conducted at the planning stage with a view to the formulation of project estimates;
 - (g) The effect of the above study on the financial results of the project, if any.
- (2) Generally to assess the progress made in construction, the reasons for shortfall, if any, and to suggest measures for improvements in the future;
- (3) To examine the possibility of decreasing dependence upon imported materials and equipment required for the project;
- (4) To examine whether adequate steps have been taken by the authorities concerned for fixing and realising the contemplated water rates, betterment fees and/or any other rates, cesses or taxes; and
- (5) To report on any other aspect that the Team may like, in order to ensure economy and efficiency in the construction of the Project.

3. The Leader and the Members of the Team paid a number of visits to the Koyna Project site during the period, February—October 1958. The main burden of the investigations on Power side of the Koyna Project however fell on Shri N.N. Iengar,