

CHAPTER IX

MONITORING OF PERFORMANCE OF INFRASTRUCTURE SECTORS

Background

- 9.1 Monitoring of the performance of the infrastructure sectors was aimed at removing the bottlenecks in the way of their accelerated growth. In the existing scheme, the Infrastructure Monitoring Division (IMD) in the Programme Implementation Wing of the Ministry of Statistics & Programme Implementation has been collecting relevant statistics of production and productivity from concerned Ministries/Departments and compiling and analysing it in the form of Monthly Progress Reports. This division is entrusted with the monitoring of performance of the country's eleven key infrastructure sectors, viz., Power, Coal, Steel, Railways, Telecommunications, Ports, Fertilizers, Cement, Petroleum & Natural Gas, Roads and Civil Aviation. The performance of these sectors is analysed with reference to the targets for the month and cumulative period for submission, inter-alia, to the Prime Minister's Office (PMO) and the Cabinet Secretariat. Certain identified parameters of production and productivity relevant to each of the 11 sectors are monitored with reference to their physical targets and the achievements in the corresponding period of the previous year.
- 9.2 Since every Ministry/Department is concurrently undertaking its own in-depth monitoring, IMD is expected to play a qualitatively different role. The IMD's concern is to bring to the notice of the Administrative Ministries/Departments any slippages or short-comings in the implementation of the schemes/programmes to enable them to take remedial measures for their effective and meaningful implementation. Moreover, being independent of the Planning Commission as well as the implementing agencies, the IMD is in a position to look at the entire system and to suggest improvements in a more objective manner.
- 9.3 The following monthly reports are prepared and submitted to the Government by the IMD - (i) Capsule Report on Infrastructure Performance (ii) Review Report on Infrastructure Performance.

Overall Performance of Infrastructure Sectors

- 9.4 The economic growth of the country depends considerably upon the performance of the infrastructure sectors. The production performance during the year 2000-2001 and for the current year (April-September, 2001) is given in Annexure-VIII.

Infrastructure Performance During April-September, 2001

- 9.5 The overall Power generation, production of Coal, Finished Steel, Refinery, Railway revenue earning freight traffic and Cargo handled at major ports have achieved positive growth over the performance for April-September, 2000, but other sectors indicated negative growth. As compared to the targets for the period, the performance of all the sectors except cement production and cargo handled at major ports have lagged behind the targets for the period April-September, 2000. The performance of cement and fertilizers was marginally lower than their targets. The trend in the overall infrastructure performance during April-September, 2001 vis-à-vis the targets during the period and the performance for April-September, 2000 is given at Annexure-VIII. Sector-wise details are given in the following paragraphs.

Power

- 9.6 The overall power generation during 2000-2001 was 499 BU (Billion Units) which recorded a growth of 4.0% over the generation of 1999-2000. During April-September, 2001, the generation was 253.15 BU which recorded a growth of 3.1% over the power generation for April-September, 2000 but it remained 4.4% less than the target for the period. Nuclear Power Generation exceeded the targets for the period by 8.4% and recorded a growth of 17.2% over the power generation for the corresponding period of last year. The overall thermal generation achieved a growth of 4%, but remained 3.7% less than the target for the period. The hydro generation during the period remained less than the target and the generation of the corresponding period of last year by 10.2 and 3.8% respectively.

Thermal Generation

- 9.7 The thermal generation during April-Sept., 2001 at 203.29 BU was less than the target by 3.7% but registered a growth of 4.0% over the generation of corresponding period of previous year. The generation in central sector was more than the target by 1.2%, but the generation in state and private sector was below the target by 2.7% and 23.1% respectively. While Central and State sectors have achieved a growth of 5.6%, and 4.0% respectively, the Private sector has recorded a negative growth of 1.7% over the power generation for the corresponding period of the previous year.

Plant Load Factor (PLF)

- 9.8 The All India Plant Load Factor (PLF) of the Thermal Power Stations during 2000-2001 was 69.0%. During April-Sept., 2001, the PLF at 67.6% was slightly lower than the target of 67.6%, but it was higher than the PLF of 66.4% achieved during the corresponding period of the last year. During the period under report, the PLF in all the regions except Western and NE regions was higher than the achievement during the corresponding period of the last year. The PLF of Central sector thermal plants at 71.1% was higher than the target and the PLF for the corresponding period of the last year. The PLF of State and Private sectors during April-September, 2001 was 63.8% and 77.9% respectively.

Hydro Generation

- 9.9 During April-Sept., 2001 the hydro generation at 40.75 BU was 10.2% lower than the target of 45.39 BU and it was also 3.8% lower than the generation of 42.35 BU during the corresponding period of the last year. The shortfall from target was mainly due to lower generation in all the regions except Eastern region. The hydro generation in Northern, Southern and NE regions showed negative growth, but it was higher in Eastern Region.

Nuclear Generation

- 9.10 The nuclear generation during April-September, 2001 at 9.11 BU was 8.4% higher than the target of 8.40 BU and recorded a growth of 17.2% over the generation for the corresponding period of the last year. All the units except Rajasthan Atomic Power Station (RAPS) exceeded their respective targets for the period and all the units except KAPS recorded positive growth over the performance for the corresponding period of the last year. The PLF of Nuclear Plants at 74.5% was higher than the target of 69.7% but lower than the achievement of 79.7% during the corresponding period of the last year.

Power Supply

9.11 The overall power availability in the country during 2000-2001 was 467.40 BU as against the requirement of 507.21 BU resulting in a deficit of 7.8%, which was higher as compared to the deficit of 6.2% during 1999-2000. During April-September, 2001, the Power availability was 237.56 BU, which indicated a shortfall of 7.2% as against the shortfall of 6.9% during April-September, 2000.

Coal Production

- 9.12 The total coal production during April-September, 2001 at 141.87 MT was 1.0% lower than the target of 143.25 MT, but recorded a growth of 1.4% over the production of 139.98 MT during the corresponding period of the last year. The coal production of Coal India Ltd. (CIL) at 121.80 MT remained 2.1% lower than the target, but remained 0.6% higher than the production for the corresponding period of the previous year. The production of coal in the Singareni Collieries Company Ltd. (SCCL) was marginally higher (0.2%) than the target and recorded a growth of 2.4% over the production for the corresponding period of the last year.
- 9.13 The daily coal loading in respect of Coal India Ltd. and SCCL by Rail during September, 2001 averaged 20,353 wagons per day (wpd) as against the target of 19,660 wpd and the loading of 18,740 wpd during the corresponding period of the last year.
- 9.14 The overall coal despatches during April – September, 2001 at 150.49 MT showed an increase of 0.4% over the despatches of 149.87 MT during the corresponding period of the last year.
- 9.15 The overall pithead stock of coal as on 30.9.2001 at 11.72 MT has come down from the stock level of 17.75 MT on 30.9.2000. At the end of March, 2001, the pithead stock was 22.03 MT.

Steel

9.16 The overall production of finished steel during the year 2000-2001 was 30.42 MT which recorded a growth of 7.0% over the production of 1999-2000. During April-September, 2001, the production at 15.16 MT recorded a growth of only 0.5% over the production of April-September, 2000. As compared to the target for the period, there was a shortfall of 12.2%. The shortfall from target was mainly due to poor performance of SAIL, TISCO and secondary producers. The production of finished steel by the secondary producers at 9.01 MT was 16.1% lower than the targets, but it recorded a growth of 1.5% over the production for the corresponding period of the last year.

Steel Authority of India (SAIL):

9.17 The production of finished steel at SAIL steel plants during April-September, 2001 3.57 MT fell short of target by 9.3% due to lower performance of Bokaro, Durgapur, Rourkela and Bhilai steel plants. As compared to the production for the corresponding period of the last year, it recorded a negative growth of 6.0%.

Tata Iron & Steel Company (TISCO):

- 9.18 During April-September, 2001, TISCO's production of finished steel at 1.48 MT was 3.5% lower than the target for the period, but it recorded a growth of 6.9% over the production for the corresponding period of the last year. The capacity utilisation during the period was 97% as against 81% achieved during April-September, 2000.

Visakhapatnam Steel Plant (VSP):

- 9.19 During April-September, 2001, VSP's production of finished steel at 1.11 MT was 4.3% higher than the target and recorded a growth of 6.7% over the production of April-September, 2000.

Coking Coal Receipts: SAIL

- 9.20 The receipt of coking coal including imports at SAIL steel plants during September, 2001 at 31,219 tonnes per day was 7.1% less than the programme/target of 33,613 tonnes per day. It was also 7.3% less than the receipt of 33,674 tonnes during September, 2000.

Coking Coal Stock : SAIL

- 9.21 The stock of coking coal (imported + indigenous) at SAIL steel plants at the end of September, 2001 was 1.82 lakh tonnes as against the stock of 2.34 lakh tonnes at the end of September, 2000. At the end of March 2001, there was a stock of 4.83 lakh tonnes.

Railways

- 9.22 The revenue earning freight traffic moved by the Railways during 2000-2001 was 473.25 MT, which recorded a growth of 3.7% over the traffic movement for 1999-2000. During April-September, 2001, total 231.62 MT freight traffic was moved, which was lower than the target by 3.4%, but it was 1.3% higher than the achievement for the corresponding period of the previous year. The loading of raw material for steel plants, iron ore for export, cement, foodgrains and balance other goods was higher than the loading for the corresponding period of the last year, but in respect of other sector, it recorded negative growth.

Roads

- 9.23 During 2000-2001, 1751 Kms of National Highways were upgraded/ strengthened and 134 bridges were constructed/rehabilitated. A sum of Rs. 2728 crore was spent for strengthening of roads and bridges during 2000-2001. During 2001-2002 (upto June, 2001), 324 Kms. of National Highways were constructed/strengthened and 18 bridges were constructed/ rehabilitated against the target of 301 Kms road and 40 bridges respectively.

Shipping and Ports

- 9.24 The total cargo handled at major ports in the country during the financial year 2000-2001 was 280.96 MT, which was lower than the target by 1.0%, but it was 3.3% higher than the achievement of the previous year. The cargo handled during April-September, 2001 was 138.89 MT, which was 1.5% higher than the target and recorded a marginal growth of 0.7% over the achievement for April-September, 2000. The performance of Calcutta, Cochin, Mumbai and Kandla ports was less than the achievements during the corresponding period of the last year.

- 9.25 During April-September, 2001, Coastal shipment of coal to the south via Haldia, Paradeep and Vizag ports to Tamil Nadu Electricity Board (TNEB) and the cement plants, aggregating to 7.92 MT, was lower than the target and the achievement for the corresponding period of the last year by 5.4% and 8.4% respectively.

Civil Aviation

- 9.26 During April-September, 2001, four international airports, i.e., Mumbai, Kolkata, Delhi and Chennai airports handled 68,877 Metric Tonnes, 7,909 Metric Tonnes, 46,792 Metric Tonnes and 28,464 Metric Tonnes export cargo respectively. The total export cargo handled at these airports was 1,51,842 Metric Tonnes, which was 9.0% lower than the cargo handled during April-September, 2000. The import cargo handled by these airports during the same period was 32,717 Metric Tonnes, 4,638 Metric Tonnes, 26,170 Metric Tonnes and 14,361 Metric Tonnes respectively. The total import cargo handled at these airports was 77,886 Metric Tonnes, which remained 5.4% lower than the cargo handled during April-September, 2000.
- 9.27 The international terminals handed 59.89 lakh passengers during April-September, 2001 which was slightly higher (0.5%) than 59.62 lakh passengers handed during April-September, 2000. The domestic terminals handled 77.72 lakh passengers during this period which was 2.1% less than 79.39 lakh passengers handled during April-September, 2000.

Telecommunications

- 9.28 The net addition in switching capacity during 2000-2001 at 71.46 lakh lines was 6.4% higher than 67.17 lakh lines provided during 1999-2000. During April- September, 2001 addition of 16.24 lakh lines in the switching capacity of telephone exchanges was less than the target and the addition for the corresponding period of the previous year by 18.1% and 11.6% respectively.
- 9.29 During 2000-2001, total 59.24 lakh new telephone connections were provided which was 20.5% higher than 49.18 lakh phones provided during 1999-2000. A total of 12.91 lakh new (net) telephone connections were provided during April-September, 2001 which remained less than the target and the telephones provided during the corresponding period of the last year by 26.4% and 15.4% respectively. Private Sector has also provided 1.10 lakh new telephone connections (DELs) and 12.27 lakh Cell phones during this period which was considerably higher than the phones provided during the corresponding period of the last year.
- 9.30 During April-September, 2001, total 3,281 Village Public Telephones (VPT) were provided which was less than the targets and telephone connections provided during the corresponding period of the previous year by 92.7% and 40.8% respectively. Private sector has also provided 114 VPT during this period which was considerably lower than 361 VPT provided during April-September, 2000.

Fertilizers

- 9.31 During 2000-2001, the overall fertilisers' production at 14.7 MT was 3.0% higher than the production of 14.29 MT during 1999-2000. During April-September, 2001, the overall production of fertilisers (nitrogen and phosphate) at 7.11 MT was 12.3% less than the target of 8.10 MT and recorded a negative growth of 2.6% over the production of 7.30 MT during the same period of the last year.

- 9.32 Nitrogenous fertiliser production during April-September, 2001 at 5.33 MT was 6.8% less than the target of 5.71 MT, but it recorded a negative growth of 1.8% over the production of 5.42 MT during April-September, 2000. While cooperative sector plants exceeded their targets by 2.8% and registered a growth of 4.9%, the public sector plants produced less than their target and the production for the corresponding period of the last year by 11.7% and 10.3% respectively. The production of private sector plants was 8.6% less than the target, but it remained at the level for the corresponding period of the last year. The overall capacity utilisation in respect of nitrogenous fertiliser at 88.6% was lower as compared to 98.9% achieved during April-September, 2000.
- 9.33 The phosphatic fertiliser production at 1.78 MT was less than the target of 2.39 MT and also less than the production of 1.88 MT during April-September, 2000 by 25.4% and 5.0% respectively. The phosphatic fertiliser's production in public, cooperative and private sectors was less than the target by 40.1%, 4.6% and 27.2% respectively. In public and cooperative sector, the production was also lower than the production for the corresponding period of the last year by 39.7% and 6.6% respectively. The capacity utilisation at 69.9% remained lower as compared to 98.0% achieved during the corresponding period of the last year.

Cement

- 9.34 The total cement production (including Mini/white) during the financial year 2000-2001 at 99.52 MT was less than the target and the production for the previous year by 7.0% and 0.9% respectively. During April-September, 2001, the production at 52.48 MT was 6.3% higher than the target of 49.35 MT and recorded a growth of 4.9% over the production for the corresponding period of the previous year.
- 9.35 The production in public sector plants during April- September, 2001 at 1.04 MT was 9.2% less than the production of 1.14 MT for the corresponding period of the last year. The production in Private sector plants at 48.45 MT was 5.6% higher than the production at 45.88 MT for the corresponding period of the last year. The overall capacity utilisation at 85% was higher as compared to 83% achieved during April-September, 2000.



*A Bird's Eye View of Refinery & Petrochemical Complex of BRPL
(Bongaigaon Refinery & Petrochemicals Ltd.), Assam*



View of Kandla Port

Petroleum

- 9.36 Crude Oil: The production of Crude Oil during the financial year 2000-2001 at 32.48 MT was equivalent to the target, but recorded a growth of 1.6% over the production of the previous year. During April-September, 2001, the production at 15.71 MT was 4.5% less than the target of 16.46 MT and recorded a negative growth of 3.1% over the production for the corresponding period of the previous year. The production of ONGC at 12.03 MT fell short of the target by 6.2% and recorded a negative growth of 4.1% over the performance for April-September, 2000. .
- 9.37 Refinery Production: The refinery production (in terms of crude throughput) during the financial year 2000-2001 at 103.48 MT was 8.3% less than the target, but recorded a growth of 20.4% over the production of the previous year. During April-September, 2001, the production at 52.28 MT was 7.4% less than the target of 56.47 MT, but recorded a growth of 3.7% over the production of April-September, 2000.

The shortfall from target was mainly due to poor performance of most of the refinaries. The performance of IOC, Guwahati, Barauni, Gujarat, Panipat, HPCL Mumbai, KRL Kochi, CPPL Manali and Narimanam, and MRPL Mangalore remained lower than the performance for the corresponding period of the last year.

- 9.38 The overall refinery capacity utilisation during the period under report at 92.6% was higher than the achievement of 89.6% in the corresponding period of the last year.
- 9.39 The overall Natural Gas production during 2000-2001 was 29,473 Mn. Cubic Metres was 3.6% more than 28,446 Mn. Cubic Metres gas produced during 1999-2000. During April-September, 2001, total 14,631 Mn. Cubic Metres Natural Gas produced which was 0.7% less thanl 14,729 Mn. Cubic Metres Gas produced during April-September, 2000.

Follow Up

- 9.40 The role as perceived by the Ministry including the presentation of a holistic picture of infrastructure development before the top management of the Government through the process of analytical reports on the performance of the different sectors monitored was well played by the IMD. This enabled close interactions with the various Ministries/Departments and the implementing agencies in order to suggest remedial measures for consideration of the administrative Ministries/Departments as well as the Cabinet Secretariat and the PMO.
- 9.41 Concerted focus by the Division on the potential constraints and bottlenecks affecting the smooth performance of the infrastructure sectors helped in providing timely signals for applying corrective measures.