

supply LPG through pipelines Gas Authority of India Ltd have carried out a techno-economic feasibility study for supply of natural gas by pipeline in Bombay, has have submitted a proposal to the Union Government for approval The proposal is under consideration The feasibility of supplying natural gas in Delhi is also being studied

[*Translation*]

### **Trains from Barauni to Bagha**

5121 SHRI HUKMDEO NARAYAN YADAV Will the Minister of RAILWAYS be pleased to state

(a) whether there is no direct train between Barauni Junction and Bagha causing inconvenience to local people

(b) if so, whether Government propose to introduce a new train from Barauni Junction to Bagha, and

(c) if so, when?

THE MINISTER OF RAILWAYS (SHRI GEORGE FERNANDES): (a) Yes, Sir There is no direct train However suitable connections exists at Samastipur and Narkatiaganj

(b) No, Sir

(c) Does not arise

[*English*]

### **Installation of ILS at Dimapur**

5122 SHRI SHIKIHO SEMA Will the Minister of CIVIL AVIATION be pleased to state:

(a) whether any expert technical committee is propose to be sent to Dimapur for exploring the feasibility of installation of ILS as Dimapur Airport,

(b) if so, the programme worked out in this regard,

(c) if not, when the possibilities of installation of ILS at Dimapur are likely to be explored,

(d) whether any funds are proposed to be provided for installation of ILS at Dimapur during the Eighth Plan, and

(e) if not, the reasons therefor?

THE MINISTER OF ENERGY AND MINISTER OF CIVIL AVIATION (SHRI ARIF MOHAMMAD KHAN): (a) Yes, Sir

(b) Installation of Instrument Landing System at Dimapur will be finalised after receipt of preliminary survey report

(c) Does not arise

(d) Yes, Sir

(e) Does not arise

### **Power Production from Different Sources**

5123 SHRI HARPAL SINGH PANWAR  
SHRI Y S RAJA SEKHAR REDDY  
SHRI SATYANARAYAN JATIYA

Will the Minister of ENERGY be pleased to state

(a) the quantum of power being generated at present under various sectors like Hydrel, Thermal and Atomic Power,

(b) the installed capacity of power generation under various categories, separately,

(c) the total demand of power at present and projected demand at the end of the next five year plan;

(d) the details of various on-going power projects and proposed power projects, State-wise; and

(e) the steps taken or proposed to be taken to meet the growing demand of power?

THE MINISTER OF ENERGY AND MINISTER OF CIVIL AVIATION (SHRI ARIF MOHAMMAD KHAN): (a) The generation of power during 1989-90 from various types of generation is as under:—

	(MU)
Thermal	178390
Nuclear	4615
Hydro	61966

(b) The installed capacity of power generation in the country as on 1.4.90 under various categories is as under:—

Thermal	42393.00	MW
Nuclear	1465.00	MW
Hydro	18081.40	MW

(c) The anticipated power requirement in the country during 1990-91 and 1994-95 is 272000 MUs and 384764 MUs respectively.

(d) A statement indicating details of sanctioned/CES cleared schemes/new projects which are expected to give benefits during the 8th plan and beyond is given below. However, this programme is subject to availability of financial resources and other inputs.

(e) A number of measure have been taken to meet the growing needs of power in the country. These include expediting commissioning of new generating capacities, implementation of short gestation projects, improving the performance of existing power stations, reducing transmission and distribution losses, implementation of demand management, adoption of energy conservation measures and arranging transfer of energy from surplus to deficit areas, intensive monitoring of grid operation and coordination of power supply position.

### STATEMENT

#### *Sanctioned Schemes for Synchronisation during VIII Plan and beyond*

<i>Name of the Project Region/State</i>	<i>Total Installed capacity (MW)</i>
1	2

#### **NORTHERN REGION**

##### **HARYANA**

DADUPUR	10.00
PANIPAT U-6	210.00
TOTAL HARYANA	220.00

1

2

**HIMACHAL PRADESH**

BANER	12.00
GAJ	110.50
LARJI	126.00
GANVI	22.50
THIROT	4.50
UHL-III	70.00
TOTAL HP	245.50

**PUNJAB**

THEIN DAM	600.00
UBDC II	45.00
DHARIWAL	3.00
ROPAR ST. III	420.00
TOTAL PUNJAB	1068.00

**UTTAR PRADESH**

VISHNU PRAYAG	480.00
LAKWAR VYASI	300.00, 120.00
MANERI II	304.00
SRINAGAR	330.00
SOBLA	6.00
KANCHAUTI	2.00
KULAGAD	1.20

---

1	2
KOTABAGH	0.20
ANPARA "B"	1000.00
UNCHA HAR EXT	420.00
TANDA UNIT-4	440.00
TOTAL UTTAR PRADESH	3403.40
<i>RAJASTHAN</i>	
JAKHAM	5.50
MAHI RMC	0 80
ETAWAH	0.50
BIRSALPUR	0.91
CHARANWAL	1.20
PUGAL	1.50
	210.00
KOTA UNIT-5	3.00
TOTAL RAJASTHAN	223.41
<i>JAMMU &amp; KASHMIR</i>	
UPPER SINDH ST II	70.00
UPPER SINDH ST II U-3	35 00
KARGIL	3.75
PAHALGAM	3.00
TOTAL J&K	111.75
<i>CENTRAL SECTOR</i>	
DULHASTI	390.00

1	2
CHAMERA I	540.00
TEHRI	1000.00
TANAKPUR	120.00
NATHPAJHAKRI	1500.00
URI	480.00
	345.00
SALAL II	840.00
NCTPP	525.20
DADRI CCGT	292.00
RAPP EXT.	470.00
NAPP	470.00
TOTAL CS	6972.20
<i>WESTERN REGION</i>	
<i>GUJARAT/MP/MAH.</i>	
SARDAR SAROVAR	1200.00
	250.00
<i>GUJARAT</i>	
KADANA PSS II	120.00
PANAM CANAL	2.00
DHAROI RB AND RBC	2.00
	0.60
DAMANGANGA	1.00
KUTCH LIGNITE	140.00

---

1	2
GANDHINAGAR EXTN.	210.00
SIKKA EXT.	120.00
KUTCH LIGNITE EXT.	70.00
TOTAL GUJARAT	665.60
<i>MADHYA PRADESH</i>	
BIRSINGPUR	20.00
HASDEO	120.00
BODHGHAT	500.00
BANSAGAR TONS	315.00
	30.00
	60.00
TAWA LBC	12.00
BHIMGARH	2.40
WARNA	1.50
NARMADA SAGAR	1000.00
BIRSINGPUR	420.00
BIRSINGPUR EXT.	420.00
PENCH	420.00
TOTAL MADHYA PRADESH	3320.90
<i>MAHARASHTRA</i>	
BHANDARDARA	10.00
	34.00

---

1	2
UJJANI	12.00
MANIKDOH	6.00
KANHER	4.00
SURYA	6.00
DIMBHE	5.00
WARNA	16.00
KOYNA ST. IV	1000.00
DUDHGANGA	24.00
SURYA RBC	0.75
MAZELGAON	2.25
KARANJWAN	3.00
CHANDERPUR U-5 & 6	1000.00
KHAPERKHEDA EXTN.	420.00
URAN WH U-1, 2 & 3	360.00
TOTAL MAHARASHTRA	2903.00
<b>GOA</b>	
ANJUNEW	1.20
SELAULIA	2.00
TOTAL GOA	3.20
<b>CENTRAL SECTOR</b>	
KAWAS GAS CCGT	400.00
	200.00
KAKRAPARA	470.00

---

1	2
VINDHYACHAL	1260.00
TOTAL CS	2330.00
<i>SOUTHERN REGION</i>	
<i>ANDHRA PRADESH</i>	
BALIMELA	60.00
UPPER SILERU II	120.00
SRISAILAM LBPH	990.00
PENNA AHOBILAN	20.00
N.R. SAGAR LBC	60.00
GUNTUR CANAL	4.00
MADDANUR	420.00
VIJESWARAM CCGT	99.00
TOTAL AP	1773.00
<i>KARNATAKA</i>	
GHATPRABHA	32.00
KALINADI II	120.00
	150.00
SHIVPUR	18.00
MALLAPUR	9.00
VARAHI	230.00
	9.00
GANGAWALI	210.00
SHARAVATHY TR	240.00



---

1	2
MADUR CANAL	1.50
RAICHUR U-3 & 4	420.00
DIESEL SETS	78.00
BANGLORE DG	128.00
TOTAL KARNATAKA	1645.50
<i>KERALA</i>	
KAKKAD	50.00
LOWER PERIYAR	180.00
MADUPATTI	2.00
MALAIPUZHA	2.50
MUVATTAPUZHA	6.00
CHIMONI	2.50
PUYANKUTTY	240.00
KALLADA	15.00
PIPPARA	3.00
PORINGALKURHU	16.00
KUTIYADI	2.50
TOTAL KERALA	519.50
<i>TAMIL NADU</i>	
KUNDAH V EXTN.	30.00
SATHNUR DAM	15.00
PYKARA ULTIMATE	150.00
LOWER BHAVANI MICRO	8.00

1	2
TUTICORIN EXTN.	420.00
NORTH MADRAS	630.00
BASIN BRIDGE GT	120.00
TOTAL TAMIL NADU	1373.00
<i>CENTRAL SECTOR</i>	
NEYVELI II MINE EXT.	840.00
NEYVELI II EXT. U-0	210.00
KAIGA	470.00
TOTAL CS	1520.00
<i>EASTERN REGION BIHAR</i>	
NORTH KDEL	24.00
CHANDIL	8.00
TENU BOKARO	1.00
SONE EASTERN CANAL	3.30
SONE WESTERN CANAL	6.60
E. GANDAK CANAL	15.00
TENUGHAT	420.00
TENUGHAT EXT.	630.00
TOTAL BIHAR	1107.90
<i>D.V.C.</i>	
BOKARO "B" EXTN	420.00
MEJIA	630.00
TOTAL DVC	1050.00

---

1	2
<b>ORISSA</b>	
UPPER INDRAVATI	600.00
POTTERU	6.00
RENGALI EXTN	150.00
UPPER KOLAB EXTN	80.00
IB TPS	840.00
TOTAL ORISSA	1676.00
<b>SIKKIM</b>	
MYANGCHU	4.00
UPPER RONGNICHU	8.00
TOTAL SIKKIM	12.00
<b>WEST BENGAL</b>	
RAMMAN	50.00
TEESTA FALL I	22.50
TEESTA FALL II-IV	45.00
CESC REP	135.00
KOLAGHAT EXTN	630.00
BAKRESHWAR	630.00
TOTAL WB	1512.50
<b>CENTRAL SECTOR</b>	
KDEL KARO	690.00
FARAKKA ST. II	20.00
FARAKKA ST. III U-6	1000.00

---

1	2
KAHALGAON	500.00
TALCHER STPS	840.00
	1000.00
TOTAL CS	4050.00
<i>NORTH-EASTERN REGION</i>	
<i>ASSAM</i>	
LOWER BORPANI	100.00
DHANSIRI	19.95
LAKWA GT PHASE II	60.00
LAKWA WASTE HEAT	22.00
BORGOLAI	60.00
TOTAL ASSAM	261.95
<i>MANIPUR</i>	
THOUBAL	7.50
BOONING	1.00
TOTAL MANIPUR	8.50
<i>MEGHALYA</i>	
UMIAM UMTRU	60.00
<i>NAGALAND</i>	
LIKIMRO	24.00
<i>NEEPCO</i>	
DOYANG	75.00
RANGANADI	405.00

1	2
GARO HILLS	60.00
KAITHALGURI CC	270.00
TOTAL NEC	810.00

*CEA Cleared Schemes for Synchronisation during 8th Plan and beyond*

<i>Name of Scheme</i>	<i>Total Capacity (MW)</i>
1	2

*NORTHERN REGION*

*H.P.*

KOL DAM	800.00
TOTAL H.P.	800.00

*JAMMU & KASHMIR*

RAJOURI	3.00
CHANANI U-2 & 3	2.00
	4.00
SEWA ST. III	6.00
PAMPORE II GT	100.00
TOTAL J & K	115.00

*PUNJAB*

SHAHPURKANDI	94.00
S.Y.L. CANAL	36.00
	14.00
UBDC III	30.00

---

1	2
BHATINDA TPS	420.00
TOTAL PUNJAB	594.00
<i>UTTAR PRADESH</i>	
LOHARI NAGPALA	282.00
PALA MANERI	400.00
RAJGHAT 50% SHARE	22.50
KHARA HE	72.00
BABAIL	3.00
TOTAL U.P.	779.50
<i>DELHI</i>	
DESU WASTE HEAT	90.00
TOTAL DELHI	90.00
<i>CENTRAL SECTOR</i>	
SAWALKOTE	600.00
BAGLIHAR	450.00
CHAMERA II	300.00
DHAULIGANGA	280.00
TEHRI ST. II	1000.00
KOTESHWAR	400.00
RIHAND EXTN.	1000.00
YAMUNA NAGAR	840.00
BIRSINGHSAR LIG.	240.00

---

1	2
ANTA CCGT	300.00
	130.00
TOTAL CS	5540.00
<b>WESTERN REGION</b>	
<i>GUJARAT</i>	
VATWA CCGT	67.00
	35.00
UTRAN CCGT	90.00
	45.00
GANDHAR CCGT	600.00
TOTAL GUJARAT	837.00
<i>MADHYA PRADESH</i>	
RAJGHAT-50% SHARE	22.50
MAHESHWAR	400.00
TOTAL MP	422.50
<i>MAHARASHTRA</i>	
GHATGHAR PSS	250.00
BHIRA PSS	150.00
CHANDERPUR U-7	500.00
TOTAL MAHARASHTRA	900.00
<b>CENTRAL SECTOR</b>	
VINDHYA CHAL EXTN.	1000.00

---

1	2
CHANDERPUR STPS	1000.00
TOTAL CS	2000.00
<i>SOUTHERN REGION</i>	
<i>ANDHRA PRADESH</i>	
JALAPUT DAM (50%)	9.00
TOTAL AP	9.00
<i>KERALA</i>	
ANNAKAYAM	8.00
TOTAL KERALA	8.00
<i>TAMIL NADU</i>	
PARALAYAR	25.00
TOTAL TN	25.00
<i>PONDICHERRY</i>	
KARAIKAL CCGT	15.00
	7.50
TOTAL PONDICHERRY	22.50
<i>CENTRAL SECTOR</i>	
NEYVELI I MC EXT	420.00
MANGALORE TPS	420.00
KAYAMKULLAM	420.00
TOTAL CS	1260.00



---

**1**

---

**2**

---

**EASTERN REGION****ORISSA**

JALAPUT DAM (50%)	9.00
TOTAL ORISSA	9.00

**D.V.C.**

MAITHON RBC	840.00
TOTAL DVC	840.00

**CENTRAL SECTOR**

RANJIT II	60.00
NORTH KARANPURA	1000.00
TOTAL CS	1060.00

**NORTH-EASTERN REGION****ASSAM**

GAS BASED TPS AT ANGURI	360.00
TOTAL ASSAM	360.00

**MIZORAM**

SERLUI	9.00
--------	------

**ARUNACHAL PRADESH**

NURANANG	6.00
----------	------

**NEEPCO & NHPC**

ROKHIA GT	80.00
DHALESHWARI PSS	120.00

1	2
KOPILI EXT.	100.00
TOTAL CS	300.00

*New Schemes for Synchronisation during 8th Plan and beyond*

<i>Name of Scheme</i>	<i>State</i>	<i>Total Capacity (MW)</i>
1	2	3

**NORTHERN REGION**

FARIDABAD CCGT	NTPC/HAR.	520.00
		280.00
WYC ST III	HARYANA	16.00
TOTAL (NR)		816.00

**WESTERN REGION**

PIPAVAN CCGT	GUJARAT	476.00
		274.00
KORBA WEST U-5&6	M.P.	420.00
BSES	MAHARASHTRA	500.00
GANDHAR CCGT	NTPC/GUJ	440.00
		210.00
TOTAL (WR)		2320.00

**SOUTHERN REGION**

SINGUR	A.P.	15.00
VISHAKHAPATNAM	A.P.	1000.00
VJAYAWADA III	A.P.	420.00

1	2	3
COCHIN CCGT	KERALA	60.00
		30.00
GODAVARI CCGT	NTPC/A.P	520.00
		280.00
TOTAL (SR)		2325.00
<i>EASTERN REGION</i>		
KALEZ-KHOLA	SIKKIM	2 00
JALDHAKA I EXT	W.B	9.00
JALDHAKA II EXT	W.B.	4.00
PATNA TPS	BIHAR	135.00
GOURPUR	W.B.	120.00
TOTAL (ER)		270.00
<i>NORTH-EASTERN REGION</i>		
<i>CENTRAL SECTOR</i>		
GAS BASED TPS IN TRIPURA	NTPC/TRP	500.00
TOTAL (NER)		500 00

[*Translation*]

**Rail Accident at Shikara Station on South Eastern Narrow-Gauge**

5124. SHRI MOHANLAL JHIKRAM  
Will the Minister of RAILWAYS be pleased to state:

(a) the details of rail accident which took place last year at Shikara station between

Nainpur and Jabalpur on South Eastern narrow-gauge line indicating the causes of the accident, the number of casualties, the extent and nature of compensation given to the injured and the families of the deceased persons separately and the number of next of kins of the deceased who have been provided employment in railways; and

(b) if no compensation has been given so far to the families of deceased and injured