

yet the shipping service has been maintained for some of the pilgrims who hail from the economically weaker sections of the community. In deference to the sentiments of the poorer and less affluent pilgrims, Government have been making endeavours to ensure concessional fare for pilgrims travelling by ship despite the increase in operational cost. As the Haj service is operated by the Shipping Corporation of India Ltd. as per directions of the Central Government, the losses incurred by the SCI in the operation of the service due to fixation of fares below break-even level are reimbursed by the Central Government in full to the SCI.

#### **Acquaculture and Deep Sea Fishing Sector**

\*618. PROF. UMAREDDY VENKATESWARLU: Will the Minister of FOOD PROCESSING INDUSTRIES be pleased to state:

(a) whether the Government propose to create common infrastructural facilities for the acquaculture and deep sea fishing sector?

(b) the areas where such linkage is possible; and

(c) whether State Governments will be involved in such linkage plans?

THE MINISTER OF STATE OF THE MINISTRY OF FOOD PROCESSING INDUSTRIES (SHRI TARUN GOGOI): (a) and (b). Government encourages the setting up of infrastructural facilities for procurement, preservation, processing, transportation and marketing of fish through various schemes. Some of these infrastructural facilities like processing plants, cold storages, ice plants refrigerated transport etc. are used

both by the acquaculture and deep sea fishing sectors.

(c) Under some of these schemes assistance is provided to the State Governments for creation of infrastructural facilities.

#### **Hydel Power Generation**

\*619. DR. K.V.R. CHOWDARY: Will the Minister of POWER be pleased to state:

(a) the potential of hydel power generation, State-wise;

(b) the number of hydel power projects under control of Union Government and the State Governments with their capacity and present power generation;

(c) whether the Government propose to set up more hydel power projects;

(d) if so, the details thereof; and

(e) if not, the reasons therefor?

THE MINISTER OF POWER (SHRI N.K.P. SALVE): (a) Central Electricity Authority has assessed the hydro-electric potential in India as 84044 MW at 60% load factor. The details, State-wise, of the potential are at *Statement-I*.

(b) As on 30.4.1994, there are 17 hydel stations with an installed capacity of 4518.50 MW in the Central Sector, and 165 hydel stations with total installed capacity of 15445 MW in the State Sector. The total power generation from all hydel stations during 1993-94 was 70311 million units.

(c) to (e). Yes, Sir, 93 schemes with an installed capacity of 18155.55

MW are sanctioned and ongoing. The details are at *Statement-II*.

**STATEMENT-I**

| Region/State     | Potential assessed at 60% load factor (MW) |
|------------------|--|
| <b>NORTHERN</b>  |  |
| Jammu & Kashmir  | 7487.00                                    |
| Himachal Pradesh | 11647.00                                   |
| Punjab           | 922.00                                     |
| Haryana          | 64.00                                      |
| Rajasthan        | 291.00                                     |
| Uttar Pradesh    | 9744.00                                    |
| Sub Total (NR):  | <u>30155.00</u>                            |
| <b>WESTERN</b>   |  |
| Madhya Pradesh   | 2774.00                                    |
| Gujarat          | 409.00                                     |
| Maharashtra      | 2460.00                                    |
| Goa              | 36.00                                      |
| Sub Total (WR):  | <u>5679.00</u>                             |
| <b>SOUTHERN</b>  |  |
| Andhra Pradesh   | 2909.00                                    |
| Karnataka        | 4347.00                                    |
| Kerala           | 2301.00                                    |

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| Region/State      | Potential assessed at 60%<br>load factor (MW) |
|-------------------|---|
| Tamil Nadu        | 1206.00                                       |
| Sub Total (SR):   | <u>10763.00</u>                               |
| EASTERN           |   |
| Bihar             | 538.00  |
| Orissa            | 1983.00                                       |
| West Bengal       | 1786.00                                       |
| Sikkim            | 1283.00                                       |
| Sub Total (ER):   | <u>5590.00</u>                                |
| NORTH EASTERN     |   |
| Meghalaya         | 1070.00                                       |
| Tripura           | 9.00  |
| Manipur           | 1176.00                                       |
| Assam             | 351.00  |
| Nagaland          | 1040.00                                       |
| Arunachal Pradesh | 26756.00                                      |
| Mizoram           | 1455.00                                       |
| Sub Total (NE):   | <u>31857.00</u>                               |
| ALL INDIA         | <u>84044.00</u>                               |

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**STATEMENT-II***Sanctioned/Ongoing H.E. Schemes (Installed Capacity above 3 MW)**As on 1.5 1994*

| Sl. No.               | Name of Project                         | Installed Capacity (MW) | Latest Commissioning Schedule |
|-----------------------|---|-------------------------|-------------------------------|
| <b>CENTRAL SECTOR</b> |   |                         |                               |
| 1.                    | Nathpa Jhakri<br>(NJPC) H.P.            | 6x250                   | 1998-99                       |
| 2.                    | Dulhasti<br>(NHPC) J&K                  | 3x130                   | 1996-97<br>(Unit 1)           |
| 3.                    | Salal II<br>(NHPC) J&K                  | 3x115 *                 | 1994-95                       |
| 4.                    | Uri<br>(NHPC) J&K                       | 4x120                   | 1996-97                       |
| 5.                    | Tehri St. I<br>(THDC) U.P.              | 4x250                   | 9th Plan                      |
| 6.                    | Dauliganga St. I<br>(NHPC) U.P.         | 4x70                    | 2000-01                       |
| 7.                    | Koal Karo<br>(NHPC) Bihar               | 4x172.5 +<br>1x20       | 1998-2001                     |
| 8.                    | Rangit III<br>(NHPC) Sikkim             | 3x20                    | 1996-97                       |
| 9.                    | Doyang<br>(NEEPCU) Nagaland             | 3x25                    | 1996-98                       |
| 10.                   | Ranganadi<br>(NEEPCO) Arunachal Pradesh | 3x135                   | 1996-98                       |
| 11.                   | Kopili Extn.<br>(NEEPCO) Assam          | 2x50                    | 1996-97                       |
|                       | <b>Sub Total</b>                        | <b>5115 MW</b>          |                               |

\*2 Units since rolled.

| Sl. No.                | Name of Project            | Installed Capacity (MW) | Latest Commissioning Schedule |
|------------------------|----------------------------|-------------------------|-------------------------------|
| <b>STATE SECTOR</b>    |                            |                         |                               |
| <b>Northern Region</b> |                            |                         |                               |
| 1.                     | Dadupur<br>Haryana         | 4x1.5                   | 1996-97                       |
| 2.                     | Baner<br>Himachal Pradesh  | 3x4                     | 1995-96                       |
| 3.                     | Gaj<br>Himachal Pradesh    | 3x3.5                   | 1995-96                       |
| 4.                     | Thirot<br>Himachal Pradesh | 3x1.5                   | 1995-96                       |
| 5.                     | Larji<br>Himachal Pradesh  | 3x42                    | 1998-99                       |
| 6.                     | Upper Sindh II<br>J&K      | 2x35                    | 1995-96                       |
| 7.                     | Upper Sindh Extn.<br>J&K   | 1x35                    | 1996-97                       |
| 8.                     | Kargil<br>J&K              | 3x1.25                  | 1994-95                       |
| 9.                     | Kishanganga<br>J&K         | 3x110                   | Beyond 9th Plan               |
| 10.                    | Shahpurkandi<br>Punjab     | 2x40 +<br>2x40 +<br>1x8 | 9th Plan                      |
| 11.                    | Ranjit Sagar<br>Punjab     | 4x150                   | 1996-98                       |
| 12.                    | Jakham<br>Rajasthan        | 2x2.5                   | 9th Plan                      |
| 13.                    | Srinagar<br>U.P.           | 6x55                    | 1997-98                       |
| 14.                    | Sobla<br>U.P.              | 2x3                     | 1995-96                       |
| 15.                    | Lakhwar Vyasi<br>U.P.      | 3x100 +<br>2x60         | 1998-99                       |
| 16.                    | Manari Bhali II            | 4x76                    | 1997-98                       |
|                        | <b>Sub Total</b>           | <b>2430.75 MW</b>       |                               |

| Sl. No.               | Name of Project                    | Installed Capacity (MW) | Latest Commissioning Schedule |
|-----------------------|------------------------------------|-------------------------|-------------------------------|
| <b>Western Region</b> |                                    |                         |                               |
| 1.                    | Kadana PSS Extn. Gujarat           | 2x60                    | 1995-96                       |
| 2.                    | Sardar Sarovar Guj./M.P./Mah.      | 6x200 + 5x50            | 1995-98                       |
| 3.                    | Bansagar Tons PH II & III (M.P.)   | 2x15 + 3x20             | 1996-97                       |
| 4.                    | Hasdeo Bango (M.P.)                | 3x40*                   | 1994-95                       |
| 5.                    | Narmada Sagar (Indira Sagar), M.P. | 8x125                   | 1999-2000                     |
| 6.                    | Bansagar PH IV, M.P.               | 2x10                    | 1996-97                       |
| 7.                    | Bodhghat M.P.                      | 4x125                   | Beyond 9th Plan               |
| 8.                    | Rajghat UP/MP                      | 3x15                    | 1995-96                       |
| 9.                    | Bhandardara St. II Maharashtra     | 1x34                    | 1995-96                       |
| 10.                   | Manikdoh Maharashtra               | 1x6                     | 1994-95                       |
| 11.                   | Surya Maharashtra                  | 1x6                     | 1994-95                       |
| 12.                   | Warna Maharashtra                  | 2x8                     | 1995-96                       |
| 13.                   | Koyana St. IV Maharashtra          | 4x250                   | 1996-98                       |
| 14.                   | Dudhganga Maharashtra              | 2x12                    | 1995-96                       |
| 15.                   | Dimbhe Maharashtra                 | 1x5                     | 1994-95                       |
| 16.                   | Ghatghar PSS Maharashtra           | 2x125                   | 1999-2000                     |
|                       | <b>Sub Total</b>                   | <b>4646 MW</b>          |                               |

\* 1 unit already commissioned in 1993-94.

| Sl. No.                | Name of Project           | Installed Capacity (MW) | Latest Commissioning Schedule |
|------------------------|---------------------------|-------------------------|-------------------------------|
| <b>Southern Region</b> |                           |                         |                               |
| 1.                     | Srisaïlam LBPH<br>A.P.    | 6x150                   | 1996-99                       |
| 2.                     | Upper Sileru II<br>A.P.   | 2x60*                   | 1994-95                       |
| 3.                     | Guntur Canal I<br>A.P.    | 2x2                     | 1995-96                       |
| 4.                     | Guntur Canal II<br>A.P.   | 2x2.25                  | 1995-96                       |
| 5.                     | Singur<br>A.P.            | 2x7.5                   | 1995-96                       |
| 6.                     | Somasila<br>A.P.          | 2x5                     | 9th Plan                      |
| 7.                     | Balimela<br>A.P.          | 2x30                    | 1997-98                       |
| 8.                     | Dandeli<br>Karnataka      | 2x30                    | 9th Plan                      |
| 9.                     | Kalinadi II<br>Karnataka  | 3x40 +<br>3x50          | 1995-97                       |
| 10.                    | Brindavan<br>Karnataka    | 2x6                     | 1996-97                       |
| 11.                    | Bhadra RBC<br>Karnataka   | 1x6                     | 1996-97                       |
| 12.                    | Sharawathi R<br>Karnataka | 4x60                    | 1995-97                       |
| 13.                    | Gangawali<br>Karnataka    | 2x105                   | 1999-2000                     |

\* 1 unit already commissioned in 1993-94.

| Sl. No. | Name of Project                     | Installed Capacity (MW) | Latest Commissioning Schedule |
|---------|-------------------------------------|-------------------------|-------------------------------|
| 14.     | Lower Periyar Kerala                | 3x60                    | 1995-96                       |
| 15.     | Muvattupuzha Kerala                 | 2x3.5                   | 1995-96                       |
| 16.     | Kakkad Kerala                       | 2x25                    | 1995-96                       |
| 17.     | Kallada Kerala                      | 2x7.5*                  | 1994-95                       |
| 18.     | Poringalkuthu Extn. (Unit-4) Kerala | 1x16                    | 1996-97                       |
| 19.     | Kuttiyadi Extn. Kerala              | 1x50                    | 1996-97                       |
| 20.     | Pooyankutty Kerala                  | 2x120                   | 9th Plan                      |
| 21.     | Lower Bhavani RBC Tamil Nadu        | 2x4                     | 9th Plan                      |
| 22.     | Sathanur Dam Tamil Nadu             | 1x7.5                   | 1995-96                       |
| 23.     | Kundah V Extn. Tamil Nadu           | 1x30                    | 9th Plan                      |
| 24.     | Pykara Ultimate St. Tamil Nadu      | 3x50                    | 1997-98                       |
|         | Sub Total                           | <u>2597.5 MW</u>        |                               |

**Eastern Region**

|    |                      |     |         |
|----|----------------------|-----|---------|
| 1. | Eastern Gandak Bihar | 3x5 | 1994-95 |
|----|----------------------|-----|---------|

\* 1 Unit already commissioned in 1993-94.



| Sl. No.     | Name of Project           | Installed Capacity (MW) | Latest Commissioning Schedule |
|-------------|---------------------------|-------------------------|-------------------------------|
| 2.          | Sona Eastern Canal Bihar  | 2x1.65                  | 1994-95                       |
| 3.          | Chandil Bihar             | 2x4                     | 1995-96                       |
| 4.          | North Koal Bihar          | 2x12                    | 1995-96                       |
| 5.          | Upper Indravati Orissa    | 4x150                   | 1994-97                       |
| 6.          | Pottaru Orissa            | 2x3                     | 1995-96                       |
| 7.          | Balimala II Orissa        | 2x60                    | 9th Plan                      |
| 8.          | Bargarh Canal Orissa      | 3x3                     | 9th Plan                      |
| 9.          | Rammam St. II West Bengal | 4x12.5                  | 1994-96                       |
| 10.         | Teesta Falls West Bengal  | 3x3x7.5                 | 1994-96                       |
| 11.         | Rammam St. I West Bengal  | 3x12                    | 9th Plan                      |
| 12.         | Purulia PSS West Bengal   | 4x225                   | 9th Plan                      |
| Sub Total : |                           | <u>1838.8 MW</u>        |                               |

**North-Eastern Region**

|    |                         |         |         |
|----|-------------------------|---------|---------|
| 1. | Nuranang Andhra Pradesh | 3x2     | 1996-97 |
| 2. | Dhansiri Assam          | 15x1.33 | 1995-96 |
| 3. | Dalaima Assam           | 3x2     | 1997-98 |

| Sl. No. | Name of Project      | Installed Capacity (MW) | Latest Commissioning Schedule |
|---------|----------------------|-------------------------|-------------------------------|
| 4.      | Serlui-B<br>Mizoram  | 2x4.5                   | 1998-99                       |
| 5.      | Likim-Ro<br>Nagaland | 3x8                     | 1995-96                       |
|         | Sub Total :          | 65 MW                   |                               |
|         | Total State Sector   | 11578.05 MW             |                               |

## PRIVATE SECTOR

|    |                                 |            |           |
|----|---------------------------------|------------|-----------|
| 1. | Ghanvi<br>H.P.                  | 3x7.5      | 9th Plan  |
| 2. | Uhl<br>H.P.                     | 4x17.5     | 9th Plan  |
| 3. | Baspa H.E.P.<br>H.P.            | 3x100      | 9th Plan  |
| 4. | Vishnuprayag<br>U.P.            | 4x100      | 9th Plan  |
| 5. | Tawa LBC<br>M.P.                | 2x6        | 1996-97   |
| 6. | Mahashwar<br>M.P.               | 10x40      | 1998-2000 |
| 7. | Bhira PSS (TATA)<br>Maharashtra | 1x150      | 1994-95   |
| 8. | Anakkayam<br>Kerala             | 2x4        | 1997-98   |
| 9. | Karbi Langpi<br>Assam           | 2x50       | 1995-96   |
|    | Sub Total :                     | 1462.50 MW |           |

## SUMMARY

|                          |             |
|--------------------------|-------------|
| TOTAL (CENTRAL SECTOR) : | 5115.00 MW  |
| TOTAL (STATE SECTOR) :   | 11578.05 MW |
| TOTAL (PRIVATE SECTOR) : | 1462.50 MW  |

|                 |             |
|-----------------|-------------|
| ALL INDIA TOTAL | 18155.55 MW |
|-----------------|-------------|