### Setting up of power grid stations

1367. SHRI NARENDRA KUMAR KASHYAP: Will the Minister of POWER be pleased to state:

(a) whether Government proposes to set up more power grid stations in the country;

(b) if so, the locations thereof; and

(c) the extent to which power supply situation is likely to be improved after setting up of these stations?

THE MINISTER OF POWER (SHRI SUSHILKUMAR SHINDE): (a) The names of places where inter-State power grid sub-stations are planned to be set-up are given in the Statement *(See below)*.

(c) Power supply situation depends upon generation availability vis-a-vis the demand for electricity. The inter-State power grid sub-stations are part of the Inter State Transmission System that transmits power up to various States' grid inter-connecting points. After setting up of inter-State power grid sub-stations, States will be able to draw their additional share of power from various upcoming inter-State generating stations.

***Statement***

*Setting up of Power Grid Stations*

*List of power grid stations in country*

**Northern Region**

**Through Power Grid Corporation of India (PGCIL)**

| S. No. | Station | Voltage | Transformer Units, MVA |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
| 1 | Meerut (765kV augmentation) | 765/400 | 3*1500 |
| 2 | Fatehpur | 765/400 | 2x1500 |
| 3 | Baghpat | 400/220kV | 2x500 |
| 4 | Balia-765-augmentaion | 765/400 | 2x1500 |

| 1 | 2 | 3 | 4 |
|---|---|---|---|
| 5 | Lucknow-765-new | 765/400 | 2x1500 |
| 6 | Bareilly-765-new | 765/400 | 2x1500 |
| 7 | Agra(HVDC-augmentaion) | ±800 | 6000 MW |
| 8 | Agra (765-augmentaion) | 765/400 | 2x1500 |
| 9 | Sohawal | 400/220kv | 2x315 |
| 10 | Shajahanpur | 400/220kv | 2x315 |
| 11 | Saharanpur | 2x315 | 2x315 |
| 12 | Panchkula | 400/220 | 630 |
| 13 | Manesar | 400/220kV | 2x500 |
| 14 | Jind | 400/220kv | 2*315 |
| 15 | Bhiwani S/s | 765/400/220 | 2x1000+2x315 |
| 16 | Neem rana | 400/220 | 2*315 |
| 17 | Kotpulti | 400/220 | 2*315 |
| 18 | Jaipur (South) | 400/220kv | 2*315 |
| 19 | Sikar | 400/220 | 2*315 |
| 20 | Tehri Pooling point GIS | 765/400 | 3*1500 |
| 21 | Dehradun | 400/220 | 2*315 |
| 22 | Jhatikara S/s | 765/400 kV | 4x1500 |
| 23 | Varanasi | 765/400 kV | 2x1500 |
| 24 | Kanpur | 765/400 kV | 2x1500 |
| 25 | Orai | 765/400 kV | 2x1000 |
| 26 | Bulandshahr | 765/400 kV | 2x1500 |

| 1 | 2 | 3 | 4 |
|---|---|---|---|
| 27 | Sonepat | 765/400 kV | 2x1500 |
| 28 | Kurushetra | 800 kV HVDC & | 6000 MW HVDC + 2x500 |
| 29 | Parbati Pooling station(GIS) | 400 kV | |
| 30 | Chamera pooling point(GIS) | 400/220 | 2*315 |
| 31 | Hamirpur | 400/220kv | 2*315 |
| 32 | Moga (765kV augmentation) | 765/400 | 2*1500 |
| 33 | New Wanpoh | 400/220kv | 2*315 |
| 34 | Samba | 400/220kv | 2*315 |
| **Southern Region** | | | |
| **Through PGCIL** | | | |
| 1 | Kozhikode | 400/220kV | 2x315 |
| 2 | Chulliar | 400/220kV | 2x315 |
| 3 | Muvattupuzha | 400/220kV | 2x315 |
| 4 | Bidadi | 400/220kV | 1000 |
| 5 | Yelahanka | 400/220kV | 1000 |
| 6 | Raichur | 765/400kV | 3000 |
| 7 | Thiruvalem | 400kV | - |
| 8 | Tuticorin | 400kV | - |
| 9 | Nellore | 765/400kV | 3000 |
| 10 | Kurnool | 765/400kV | 3000 |
| 11 | Salem | 400kV | - |
| 12 | Madhugiri | 400kV | - |
| 13 | Srikakulam | 400kV | - |

| 1 | 2 | 3 | 4 |
|---|---|---|---|
| **Eastern Region** | | | |
| **Through PGCIL** | | | |
| 1 | Lakhisarai | 400/132 | 2x200 |
| 2 | Banka | 400/132 | 2x200 |
| 3 | Daltonganj | 400/220 | 2x315 |
| 4 | Uttara | 400/220 | 2x315 |
| 5 | Chaibasa | 400/220 | 2x315 |
| 6 | Keonjhar | 400/220 | 2x315 |
| 7 | Bolangir | 400/220 | 2x315 |
| 8 | Gaya | 765/400/220kV | 3x1500 & 2x315 |
| 9 | Sasaram (765kV Augmentation) | 765/400 | 2x1500 |
| 10 | Ranchi New | 765/400 | 2x1500 |
| 11 | Jharkhand Pool | 400 | - |
| 12 | Angul | 765/400 | 4x1500 |
| 13 | Jharsuguda | 765/400 | 2x1500 |
| 14 | Kishanganj | 400/220 | 2x315 |
| 15 | Rangpo | 400/220 | 16x105 |
| 16 | New Melli | 220 | - |
| 17 | Alipurduar | 400/220 +HVDC | 2x315+ 3000MW |
| 18 | Baharampur | 400 | - |
| **Through Damodar Valley Corporation (DVC)** | | | |
| 19 | Jamshedpur | 400/220 | 2x315 |

| 1 | 2 | 3 | 4 |
|---|---|---|---|
| **North Eastern Region** | | | |
| **Through PGCIL** | | | |
| 1 | Silchar | 400/132 | 2x200 |
| 2 | Melriat New | 132/33 | 2x50 |
| 3 | Imphal New | 132/33 | 2x50 |
| 4 | Mariani | 220 | - |
| 5 | Mokokchung | 220/132 | 2x50 |
| 6 | Roing | 132/33 | 2x15 |
| 7 | Tezu | 132/33 | 2x15 |
| 8 | Namsai | 132/33 | 2x15 |
| 9 | Bishwanath Chariyali | 400/132 +HVDC | 2x200 + 3000MW |
| **Western Region** | | | |
| **Through PGCIL** | | | |
| 1 | Gwalior (765kV Augmentation) | 765/400kV | 2x1500 |
| 2 | Bina(PG)-(765kV Augmentation) | 765/400kV | 2x1000 |
| 3 | Satna-(765kV Augmentation) | 765/400kV | 2x1000 |
| 4 | Indore | 765/400kV | 2x1500 |
| 5 | Vindhyachal Pooling Stn | 765/400kV | 2x1500 |
| 6 | Shujalpur | 400/220kV | 2X315 |
| 7 | Indore Switching | Sw | |
| 8 | Jabalpur Pool | 765/400kV | 2x1500 |
| 9 | Wardha(765kV Augmentation) | 765/400kV | 3x1500 |
| 10 | Solapur | 765/400kV | 2x1500 |

| 1 | 2 | 3 | 4 |
|---|---|---|---|
| 11 | Pune | 765/400kV | 2x1500 |
| 12 | Pune | 400/220kV | 2x315 |
| 13 | Solapur | 400/220kV | 2x315 |
| 14 | Navi Mumbai | 400/220kV | 2x315 |
| 15 | Parli switching | Sw | |
| 16 | Aurangabad | 400/220kV | 2x315 |
| 17 | Aurangabad | 765/400kV | 2x1500 |
| 18 | Padghe (PG) | 765/400kV | 2x1500 |
| 19 | Dhule(PG) HVDC/AC | 600kVHVDC,400/220kV | 4000MW + 2X315MVA |
| 20 | Bachau | 400/220kV | 2x315 |
| 21 | Pirana | 400/220W | 2x315 |
| 22 | Navsari | 400/220kV | 2x315 |
| 23 | Vadodara | 765/400kV | 2x1500 |
| 24 | WR Pooling Station | 765/400kV | 3x1500 |
| 25 | Raipur Poling Station | 765/400kV | 1x1500 |
| 26 | Raigarh (Kotra) Pooling St. | 765/400kV | 4x1500 |
| 27 | Raigarh(Tamnar) Pooling St | 765/400kV | 3x1500 |
| 28 | Dharamjaygarh | 765/400kV | 0 |
| 29 | Champa Pooling St | 765/400kV | 6x1500 |
| 30 | Raigarh HVDC (Kotra) | 600kV | 4000MW |
| 31 | Champa HVDC | 800kV | 6000MW |
| 32 | Kala(DNH) | 400/220kV | 2x315 |
| 33 | Magarwada(DD) | 400/220kV | 2x315 |

| 1 | 2 | 3 | 4 |
|---|---|---|---|
| **Through Private Sector** | | | |
| 34 | Dhule | 765/400 | 2x1500 |
| 35 | Bhopal Pooling Station | 765/400 | 2x1500 |

**Allocation of power to Madhya Pradesh**

†1368. SHRIMATI MAYA SINGH: Will the Minister of POWER be pleased to state:

(a) the current power demand of Madhya Pradesh and the power being supplied to the State by Central Power Generating Stations as per its demand;

(b) the difference between the demand and supply;

(c) whether it is causing problem in power supply to the people of the State; and

(d) the details of demand and supply of all the States of the country?

THE MINISTER OF POWER (SHRI SUSHILKUMAR SHINDE): (a) to (c) The energy requirement and peak demand in Madhya Pradesh during April to October, 2010 was 24,122 Million Unit (MU) and 7,068 MW respectively. Against this, the energy availability and peak met during this period was 19,663 MU and 6,106 MW respectively, leading to a shortage of 4,459 MU (18.5%) and 962 MW (13.6%) causing problems in supply of power to the people of the State. The quantum of energy scheduled to Madhya Pradesh from the Central Power Generating Stations during April to October, 2010 was 10,510.6 MU, constituting approximately 53.5% of the energy availability in the State.

Electricity being a concurrent subject, supply and distribution of electricity in a State as per demand comes under the purview of the concerned State Government/ Power Utilities in the State. Government of India only supplements the efforts of State Government(s) by commissioning power projects through Central Public Sector Undertakings. As such, the power supply from the Central Generating Stations to a State caters to a part of the power requirement in the State.

(d) State wise Power Supply position in the country in term of energy & peak during the current Financial Year (April to October, 2010) are given in the Statement.

†Original notice of the question was received in Hindi.