

(e) and (f) The Central Team consisting of officers of Central Water Commission (CWC) and Ministry of Agriculture, Government of India visited delta region of Tamil Nadu comprising of Thiruvavoor, Tanjavur and Nagapathanam districts on 5th February 2013 to assess the status of standing paddy crop in that area. The Central Team submitted its report to the Chairman, CWC on 6th February 2013 giving their details.

**Identification of water rich and deficit regions**

2316. DR. PRABHAKAR KORE: Will the Minister of WATER RESOURCES be pleased to state:

(a) whether Government has identified water rich and water deficit regions in the country;

(b) if so, the details thereof;

(c) whether Government has any proposal to interlink water rich regions with water deficit areas;

(d) if so, the detail thereof; and

(e) if not, the reasons therefor?

THE MINISTER OF WATER RESOURCES (SHRI HARISH RAWAT): (a) and (b) Yes Sir, National Water Development Agency (NWDA), as a part of its studies of National Perspective Plan (NPP) for Water Resources Development prepared by Government in 1980 has carried out water balance studies of various river basins/sub-basins of the country keeping in view the scenario of ultimate stage of water resources development in these basins in the year 2050 and it has identified 22 river basin/ sub-basins as water surplus and 11 river basins/sub-basins as water deficit river basins. The names of surplus and deficit river basins/sub-basins are furnished in Statement-I and Statement-II respectively (*See* below).

(c) and (d) Yes Sir, The Ministry of Water Resources (MoWR) (erstwhile Ministry of Irrigation) formulated a National Perspective Plan (NPP) for Water Resources Development in 1980 envisaging inter-basin transfer of water from surplus basins to deficit basins/areas which comprises of two components, namely, Himalayan Rivers Development Component and Peninsular Rivers Development Component. NWDA was set up under the MoWR in 1982 for carrying out various technical studies to establish the feasibility of the proposals of NPP and to give concrete shape to it. NWDA has identified 30 links (16 under Peninsular Component & 14 under Himalayan Component as per Statement-III (*See* below) for preparation

of Feasibility Reports (FRs). Out of these, Feasibility Reports (FRs) of 14 links under Peninsular Component and FRs of 2 links (Indian portion) under Himalayan Component have been completed.

Five Peninsular links namely (i) Ken - Betwa, (ii) Parbati - Kalisindh - Chambal, (iii) Damanganga - Pinjal, (iv) Par - Tapi - Narmada & (v) Godavari (Polavaram) - Krishna (Vijayawada) were identified as priority links for taking up their Detailed Project Reports (DPRs). DPR of one priority link namely Ken-Betwa has been completed and was communicated to the party states.

Further, after receiving the concurrence of the concerned states, NWDA has taken up the DPRs of two more priority links namely Par-Tapi-Narmada & Damanganga-Pinjal. A tripartite MOU for preparation of DPRs of both these links was signed by the Chief Ministers of Gujarat, Maharashtra and the Union Minister for Water Resources on 3.05.2010 in august presence of Hon'ble Prime Minister. The DPRs of these links are in various stage of completion.

Efforts are being made to arrive at consensus on the other priority link viz. Parbati -Kalisindh - Chambal through deliberations with the concerned States of Madhya Pradesh & Rajasthan for preparation of DPR.

Another priority link namely Godavari (Polavaram)-Krishna (Vijayawada) is part of the Polavaram project of the Andhra Pradesh. The Government of Andhra Pradesh has taken up the above project including link component as per their own planning.

(e) Does not arise.

#### **Statement-I**

##### *Deficit River Basins/Sub-basins*

| Sl. No.                     | River Basins/Sub-Basins |
|-----------------------------|-------------------------|
| 1                           | 2                       |
| <b>Peninsular Component</b> |                         |
| 1.                          | Krishna                 |
| 2.                          | Pennar                  |
| 3.                          | Cauvery                 |
| 4.                          | Vaigai                  |
| 5.                          | Vaippar                 |

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|   |   |
|---|---|
| 1 | 2 |
|---|---|

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**Himalayan Component**

- |    |   |
|----|---|
| 1. | Yamuna at Okhla                                     |
| 2. | Ganga at Narora                                     |
| 3. | Sone Basin upto Indrapuri Barrage                   |
| 4. | Sone Basin upto Kadwan Dam                          |
| 5. | Yamuna Sub-basin upto crossing of Sarda-Yamuna Link |
| 6. | Ramganga Sub-basin upto Ramganga Dam                |
- 

***Statement-II******Surplus River Basins/Sub-Basins***


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|        |                        |
|--------|------------------------|
| Sl. No | River Basins/Sub-Basin |
|--------|------------------------|

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|   |   |
|---|---|
| 1 | 2 |
|---|---|

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**Peninsular Component**

- |     |   |
|-----|---|
| 1.  | Mahanadi  |
| 2.  | Godavari  |
| 3.  | Ken at Daudhan (As per DPR)                     |
| 4.  | Parbati (upto Patanpur)                         |
| 5.  | Kalisindh (Sub-basin of Chambal) Upto Kundaliya |
| 6.  | Par rivers etc. (7 reservoirs)                  |
| 7.  | Damanganga (Bhugad, Khargihill & Pinjal)        |
| 8.  | Pamba   |
| 9.  | Achankovil                                      |
| 10. | Netravati                                       |
| 11. | Bedti   |

**Himalayan Component**

- |    |                       |
|----|-----------------------|
| 1. | Kosi                  |
| 2. | Sarda (at Poornagiri) |
-

| 1   | 2                               |
|-----|---------------------------------|
| 3.  | Ghagra (at Chisapani)*          |
| 4   | Gandak (at proposed Gandak Dam) |
| 5.  | Ganga at Chunar                 |
| 6.  | Manas                           |
| 7.  | Sankosh                         |
| 8.  | Aie                             |
| 9.  | Raidak                          |
| 10. | Torsa                           |
| 11  | Jaldhaka                        |

**Statement-III**

*Status of water transfer links identified for preparation of feasibility reports (FR) by NWDA*

**Peninsular Rivers Development Component**

|     |  |   |
|-----|--|---|
| 1.  | Mahanadi (Manibhadra) - Godavari (Dowlaiswaram) link   | - FR completed  |
| 2.  | Godavari (Polavaram) - Krishna (Vijayawada) link *     | - FR completed<br>(Taken up by the state as per their own proposal) |
| 3.  | Godavari (Inchampalli) - Krishna (Pulichintala) link   | - FR completed  |
| 4.  | Godavari (Inchampalli) - Krishna (Nagarjunasagar) link | - FR completed  |
| 5.  | Krishna (Nagarjunasagar) - Pennar (Somasila) link      | - FR completed  |
| 6.  | Krishna (Srisailem) - Pennar link                      | - FR completed  |
| 7.  | Krishna (Almatti) - Pennar link                        | - FR completed  |
| 8.  | Pennar (Somasila) - Cauvery (Grand Anicut) link        | - FR completed  |
| 9.  | Cauvery (Kattalai) - Vaigai - Gundar link              | - FR completed  |
| 10. | Parbati - Kalisindh - Chambal link*                    | - FR completed  |

- 
- |                                       |                                 |
|---------------------------------------|---------------------------------|
| 11. Damanganga - Pinjal link*         | - FR completed<br>& DPR started |
| 12. Par - Tapi - Narmada link*        | - FR completed<br>& DPR started |
| 13. Ken - Betwa link*                 | - DPR (Phase-I)<br>Completed    |
| 14. Pamba - Achankovil - Vaippar link | - FR completed.                 |
| 15. Netravati - Hemavati Link         | - PFR completed                 |
| 16. Bedti - Varda link                | - FR work taken<br>up           |

**Himalayan Rivers Development Component**

- |  |   |
|--|---|
| 1. Kosi-Mechi link                               | - Entirely lies in<br>Nepal               |
| 2. Kosi-Ghaghra link                             | - S&I works<br>taken up                   |
| 3. Gandak-Ganga link                             | - S&I works<br>completed                  |
| 4. Ghaghra-Yamuna link                           | - FR completed<br>(for Indian<br>portion) |
| 5. Sarda-Yamuna link                             | - FR completed<br>(for Indian<br>portion) |
| 6. Yamuna-Rajasthan link                         | - S&I works<br>completed                  |
| 7. Rajasthan-Sabarmati link                      | - S&I works<br>completed                  |
| 8. Chunar(at Ganga)-Sone Barrage link            | - S&I works<br>completed                  |
| 9. Sone Dam - Southern Tributaries of Ganga link | - S&I works<br>taken up                   |
| 10. Manas-Sankosh-Tista-Ganga (M-S-T-G) link     | - S&I works<br>taken up                   |
-

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|   |                          |
|---|--------------------------|
| 11. Jogighopa(at Brahmaputra)-Tista-Ganga at Farakka<br>(Alternate to M-S-T-G) link | - S&I works<br>taken up  |
| 12. Ganga (Farakka)-Sunderbans link   | - S&I works<br>completed |
| 13. Ganga-Damodar-Subernarekha link   | - S&I works<br>completed |
| 14. Subernarekha-Mahanadi link  | - S&I works<br>completed |

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\* Priority links

PFR- Pre-Feasibility Report; FR- Feasibility Report; DPR- Detailed Project Report

S&I - Survey & Investigation in Indian portion

#### Small irrigation schemes under AIBP

‡2317. SHRI BHAGAT SINGH KOSHYARI: Will the Minister of WATER RESOURCES be pleased to state:

(a) whether any small irrigation schemes have been started under the Accelerated Irrigation Benefit Programme (AIBP) particularly in drought prone districts/tribal areas of the country;

(b) if so, the details thereof;

(c) whether any assessment regarding the efficacy of these schemes has been made during the last three years and the current year; and

(d) if so, the number of farmers benefited from these schemes and the details of funds released and utilized for this purpose, State-wise?

THE MINISTER OF WATER RESOURCES (SHRI HARISH RAWAT): (a) Yes, Sir. Government has introduced State Sector Scheme of Accelerated Irrigation Benefits Programme (AIBP) to provide funds for implementation of Surface Minor Irrigation Schemes (SMI) in drought prone districts/tribal areas of the country. Continuation of scheme in XII Plan is dependent on Cabinet approval.

(b) The eligibility criteria for inclusion of SMI for assistance under the Programme are as follows:

Surface Minor Irrigation (SMI) schemes of Special Category States (North-Eastern States, Hilly States *i.e.* Himachal Pradesh, Jammu & Kashmir and Uttarakhand and undivided Koraput Bolangir Kalahandi (KBK) districts of Orissa) are eligible for consideration for assistance under AIBP provided that:

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‡Original notice of the question was received in Hindi.