

**PUMPED STORAGE DEVELOPMENT IN INDIA**  
(Installed Capacity above 25 MW)

As on 31.03.2021

| S.No.                                    | SCHEMES                                 | STATE       | INSTALLED CAPACITY           |         | REMARKS                                                                                                                                                                                                                                                               |
|------------------------------------------|-----------------------------------------|-------------|------------------------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                          |                                         |             | No. of units x Unit size(MW) | MW      |                                                                                                                                                                                                                                                                       |
| A. <u>SCHEMES CONSTRUCTED</u>            |                                         |             |                              |         |                                                                                                                                                                                                                                                                       |
| a) Working in Pumping Mode               |                                         |             |                              |         |                                                                                                                                                                                                                                                                       |
| 1                                        | Nagarjuna Sagar                         | Telangana   | 7x100.80                     | 705.60  |                                                                                                                                                                                                                                                                       |
| 2                                        | Srisailem LBPH                          | Telangana   | 6x150                        | 900     |                                                                                                                                                                                                                                                                       |
| 3                                        | Kadamparai                              | Tamil Nadu  | 4x100                        | 400     |                                                                                                                                                                                                                                                                       |
| 4                                        | Bhira                                   | Maharashtra | 1x150                        | 150     |                                                                                                                                                                                                                                                                       |
| 5                                        | Ghatgar                                 | Maharashtra | 2x125                        | 250     |                                                                                                                                                                                                                                                                       |
| 6                                        | Purulia PSS                             | West Bengal | 4x225                        | 900     |                                                                                                                                                                                                                                                                       |
|                                          |                                         |             | Sub Total                    | 3305.60 |                                                                                                                                                                                                                                                                       |
| b) Presently not working in Pumping Mode |                                         |             |                              |         |                                                                                                                                                                                                                                                                       |
| 1                                        | Kadana St. I&II                         | Gujarat     | 2x60+2x60                    | 240     | CKD Blanksko (OEM) has submitted the offer for rectification of the problem                                                                                                                                                                                           |
| 2                                        | Panchet Hill (DVC)                      | Jharkhand   | 1x40                         | 40      | Tail pool dam not constructed. It has been decided not to operate project in pumping mode due to land acquisition issues of Lower Reservoir.                                                                                                                          |
| 3                                        | Sardar Sarovar                          | Gujarat     | 6x200                        | 1200    | Both Upper & Lower reservoirs have been completed.<br>Sardar Sarovar Project is an interstate project of Gujarat, MP & Maharashtra. The operation of this project in pumping mode is under discussion with Narmada Control Authority (NCA) and concerned State govts. |
|                                          |                                         |             | Sub total                    | 1480    |                                                                                                                                                                                                                                                                       |
|                                          |                                         |             | Grand Total                  | 4785.60 |                                                                                                                                                                                                                                                                       |
| B. <u>SCHEMES UNDER CONSTRUCTION</u>     |                                         |             |                              |         |                                                                                                                                                                                                                                                                       |
| a) Under Active Construction             |                                         |             |                              |         |                                                                                                                                                                                                                                                                       |
| 1                                        | Tehri St.-II                            | Uttarakhand | 4x250                        | 1000    | Likely commissioning by 2022-23 (Dec.'22)                                                                                                                                                                                                                             |
| 2                                        | Kundah Pump Storage (Stage I,II,III&IV) | Tamil Nadu  | 4x125                        | 500     | Likely commissioning by 2023-24 (Apr. 2023)                                                                                                                                                                                                                           |
|                                          |                                         |             | Total                        | 1500    |                                                                                                                                                                                                                                                                       |
| b) On which Construction is held up      |                                         |             |                              |         |                                                                                                                                                                                                                                                                       |
| 1                                        | Koyna Left Bank                         | Maharashtra | 2x40                         | 80      | Likely commissioning by 2025-26*                                                                                                                                                                                                                                      |
|                                          |                                         |             | Total                        | 80      |                                                                                                                                                                                                                                                                       |
|                                          |                                         |             | Grand Total                  | 1580    |                                                                                                                                                                                                                                                                       |
| C. <u>DPR CONCURRED BY CEA</u>           |                                         |             |                              |         |                                                                                                                                                                                                                                                                       |
| 1                                        | Turga PSS                               | West Bengal | 4x250                        | 1000    | EC & FC obtained. Construction will start shortly.                                                                                                                                                                                                                    |
|                                          |                                         |             | Total                        | 1000    |                                                                                                                                                                                                                                                                       |

| <b>D. SCHEME UNDER EXAMINATION IN CEA</b>          |                  |                |              |             |                                                                                                           |
|----------------------------------------------------|------------------|----------------|--------------|-------------|-----------------------------------------------------------------------------------------------------------|
| 1                                                  | Pinnapuram       | Andhra Pradesh | 4x240+2x120  | 1200        | Off-River project; Both Reservoirs to be constructed                                                      |
|                                                    |                  |                | <b>Total</b> | <b>1200</b> |                                                                                                           |
| <b>E. SCHEMES UNDER SURVEY &amp; INVESTIGATION</b> |                  |                |              |             |                                                                                                           |
| 1                                                  | Upper Indravati  | Odisha         | 4x150        | 600         | Upper Reservoir existing; Lower Reservoir to be constructed; Target date for preparation of DPR – 12/2021 |
| 2                                                  | Upper Kolab      | Odisha         | 2x160        | 320         | Upper Reservoir existing; Lower Reservoir to be constructed; Target date for preparation of DPR – 05/2022 |
| 3                                                  | Balimela         | Odisha         | 2x250        | 500         | Upper Reservoir existing; Lower Reservoir to be constructed; Target date for preparation of DPR – 08/2022 |
| 4                                                  | Upper Sileru     | Andhra Pradesh | 9x150        | 1350        | Both Reservoirs existing                                                                                  |
| 5                                                  | Kodayar          | Tamil Nadu     | 4x125        | 500         | Both Reservoirs existing; Target date for preparation of DPR – 12/2021                                    |
| 6                                                  | Sillahalla St.-I | Tamil Nadu     | 4x250        | 1000        | Upper Reservoir & Lower Reservoir to be constructed; Target date for preparation of DPR – 02/2022         |
| 7                                                  | Sharavathy       | Karnataka      | 8x250        | 2000        | Both Reservoirs existing                                                                                  |
| 8                                                  | Saundatti        | Karnataka      | 4x252+2x126  | 1260        | Lower Reservoir existing; Upper Reservoir to be constructed; Target date for preparation of DPR – 08/2021 |
|                                                    |                  |                | <b>Total</b> | <b>7530</b> |                                                                                                           |

\* Subject to re-start of work in immediate future.