

## Sub-Stations Completed During FY - 2021-22

As on 31-Oct-2021

| SI No                        | Name of Sub Stations                                              | Voltage Ratio (kV/kV) | Executing Agency | Capacity (MW/MVA) | Month of Completion |
|------------------------------|-------------------------------------------------------------------|-----------------------|------------------|-------------------|---------------------|
| 1.                           | 2.                                                                | 3.                    | 4.               | 5.                | 6.                  |
| <b>800 kV</b>                |                                                                   |                       |                  |                   |                     |
| <b><u>CENTRAL SECTOR</u></b> |                                                                   |                       |                  |                   |                     |
| 1                            | Raigarh and Pugalur Station with 6000 MW HVDC Terminal (Pole-III) | 800                   | PGCIL            | 1500              | JUL-21              |
| 2                            | Raigarh and Pugalur HVDC (Pole-4)                                 | 800                   | PGCIL            | 1500              | OCT-21              |
|                              | <b>TOTAL CENTRAL SECTOR</b>                                       |                       |                  | <b>3000</b>       |                     |
|                              | <b>TOTAL 800 kV</b>                                               |                       |                  | <b>3000</b>       |                     |
| <b>765 kV</b>                |                                                                   |                       |                  |                   |                     |
| <b><u>CENTRAL SECTOR</u></b> |                                                                   |                       |                  |                   |                     |
| 3                            | Bhuj S/S                                                          | 765/400               | PGCIL            | 3000              | MAY-21              |
| 4                            | Establishment of 765/400 Fatehgarh -II PS                         | 765/400               | PGCIL            | 1500              | AUG-21              |
| 5                            | Extension 765/400/220 kV Fatehgarh-II PS (Jaisalmer) (PGCIL-RTM)  | 765/400/220           | PGCIL            | 1000              | AUG-21              |
| 6                            | Jeerat (New) S/s (PM-JTL -TBCB)                                   | 765/400               | PGCIL            | 3000              | SEP-21              |
| 7                            | Khetri SS (ICT-I)                                                 | 765/400               | PGCIL            | 1500              | SEP-21              |
| 8                            | Establishment of 765/400 kV 2x1500 MVA S/S at Khetri              | 765/400               | PGCIL            | 1500              | OCT-21              |
| 9                            | Fatehgarh-II PS (2nd ICT Bank)                                    | 765/400               | PGCIL            | 1500              | OCT-21              |
| 10                           | Establishment of 765/400 kV Bhadla-II PS (PGCIL-RTM)              | 765/400               | PGCIL            | 3000              | OCT-21              |
|                              | <b>TOTAL CENTRAL SECTOR</b>                                       |                       |                  | <b>16000</b>      |                     |
|                              | <b>TOTAL 765 kV</b>                                               |                       |                  | <b>16000</b>      |                     |
| <b>400 kV</b>                |                                                                   |                       |                  |                   |                     |

| SI No                 | Name of Sub Stations                                                              | Voltage Ratio (kV/kV) | Executing Agency | Capacity (MW/MVA) | Month of Completion |
|-----------------------|-----------------------------------------------------------------------------------|-----------------------|------------------|-------------------|---------------------|
| 1.                    | 2.                                                                                | 3.                    | 4.               | 5.                | 6.                  |
| <b>CENTRAL SECTOR</b> |                                                                                   |                       |                  |                   |                     |
| 11                    | Sitamarhi S/S ERSS XXITL-TBCB)                                                    | 400/220/132           | PGCIL            | 1400              | APR-21              |
| 12                    | Extn. at Jeypore s/s (ICT-I)                                                      | 400/220               | PGCIL            | 315               | APR-21              |
| 13                    | Bhuj S/S                                                                          | 400/220               | PGCIL            | 1500              | MAY-21              |
| 14                    | Extn. at Motihari S/S                                                             | 400/132               | PGCIL            | 315               | MAY-21              |
| 15                    | Augmentation of Transformation Capacity at 400/200 KV Gajuwaka S/S                | 400/220               | PGCIL            | 500               | JUL-21              |
| 16                    | Extension 400/220 kV Bikaner (PG) Substation (PGCIL-RTM)                          | 400/220               | PGCIL            | 500               | AUG-21              |
| 17                    | Extn. at 400/220 kV Jabalpur S/S                                                  | 400/220               | PGCIL            | 500               | AUG-21              |
| 18                    | Extn. at 400/220 kV Bhadla                                                        | 400/220               | PGCIL            | 500               | AUG-21              |
| 19                    | 400/220/132 kV Saharsa S/S (1x500 MVA ICT of 400/220 kV) (ERSS-XXITL-TBCB)        | 400/220               | PGCIL            | 500               | SEP-21              |
| 20                    | 1x500MVA 400/220kV ICT at Fatehgarh-II PS                                         | 400/220               | PGCIL            | 500               | SEP-21              |
| 21                    | Extn. of 765/400/220 kV Bhadla (PG) S/S (400/220kV ICT-I at Bhadla S/S)           | 400/220               | PGCIL            | 500               | OCT-21              |
| 22                    | Saharsa S/S (2nd 500 MVA ICT)                                                     | 400/220               | PGCIL            | 500               | OCT-21              |
| 23                    | 400/220 kV ICT at Jeypore S/S                                                     | 400/220               | PGCIL            | 315               | OCT-21              |
|                       | <b>TOTAL CENTRAL SECTOR</b>                                                       |                       |                  | <b>7845</b>       |                     |
| <b>STATE SECTOR</b>   |                                                                                   |                       |                  |                   |                     |
| 24                    | Vemagiri (ICT-4)                                                                  | 400/220               | APTRANSCO        | 500               | APR-21              |
| 25                    | Maath Mathura (Capacity Augmentation)                                             | 400/220               | UPPTCL           | 500               | MAY-21              |
| 26                    | Ujjain S/S (T/F-II)                                                               | 400/220               | MPPTCL           | 315               | JUN-21              |
| 27                    | BTPS Switchyard                                                                   | 400/220               | TSTRANSCO        | 315               | JUN-21              |
| 28                    | Sundilla s/s (2x315 MVA ICTs-III and IV 50 MVA STR-II and 6x50 MVA PTR-II to VII) | 400/220/33            | TSTRANSCO        | 980               | JUL-21              |
| 29                    | K.R.Thoppur (Addl T/F)                                                            | 400/110               | TANTRANSCO       | 200               | JUL-21              |
| 30                    | Sundilla s/s (2x315 MVA ICTs-I and II 50 MVA STR-I and 50 MVA PTR-I)              | 400/220/11            | TSTRANSCO        | 730               | JUL-21              |

| SI No                        | Name of Sub Stations                                                       | Voltage Ratio (kV/kV) | Executing Agency | Capacity (MW/MVA) | Month of Completion |
|------------------------------|----------------------------------------------------------------------------|-----------------------|------------------|-------------------|---------------------|
| 1.                           | 2.                                                                         | 3.                    | 4.               | 5.                | 6.                  |
| 31                           | Jehta (Hardoi Road) S/s Lucknow                                            | 400/220               | UPPTCL           | 1000              | AUG-21              |
| 32                           | Makhu (Addl. T/F)                                                          | 400/220               | PSTCL            | 500               | OCT-21              |
| 33                           | Addl. T/F (ICT-2) at Jaisalmer                                             | 400/220               | RVPNL            | 500               | OCT-21              |
|                              | <b>TOTAL STATE SECTOR</b>                                                  |                       |                  | <b>5540</b>       |                     |
| <b><u>PRIVATE SECTOR</u></b> |                                                                            |                       |                  |                   |                     |
| 34                           | Dhanbad New s/s (NKTL-TBCB)                                                | 400/220               | APL              | 1000              | JUL-21              |
|                              | <b>TOTAL PRIVATE SECTOR</b>                                                |                       |                  | <b>1000</b>       |                     |
|                              | <b>TOTAL 400 kV</b>                                                        |                       |                  | <b>14385</b>      |                     |
| <b>320 kV</b>                |                                                                            |                       |                  |                   |                     |
| <b><u>CENTRAL SECTOR</u></b> |                                                                            |                       |                  |                   |                     |
| 35                           | VSC based HVDC Terminal at Pugalur and North Trishur (2000MW) (Monopole-I) | 320                   | PGCIL            | 1000              | JUN-21              |
|                              | <b>TOTAL CENTRAL SECTOR</b>                                                |                       |                  | <b>1000</b>       |                     |
|                              | <b>TOTAL 320 kV</b>                                                        |                       |                  | <b>1000</b>       |                     |
| <b>230 kV</b>                |                                                                            |                       |                  |                   |                     |
| <b><u>STATE SECTOR</u></b>   |                                                                            |                       |                  |                   |                     |
| 36                           | TNEB Head Quarters                                                         | 230/33                | TANTRANSCO       | 200               | APR-21              |
| 37                           | Valayapatti (Addl T/F)                                                     | 230/110               | TANTRANSCO       | 100               | JUL-21              |
| 38                           | Mambakkam (Addl T/F)                                                       | 230/110               | TANTRANSCO       | 100               | JUL-21              |
| 39                           | Thirupathur S/S                                                            | 230/110               | TANTRANSCO       | 100               | AUG-21              |
| 40                           | Acharapakkam (Addl T/F)                                                    | 230/110               | TANTRANSCO       | 100               | AUG-21              |
| 41                           | Karuvalur S/S                                                              | 230/110               | TANTRANSCO       | 100               | OCT-21              |
| 42                           | Thuvakudy S/S                                                              | 230/110               | TANTRANSCO       | 100               | OCT-21              |
| 43                           | Kanchipuram s/s                                                            | 230/110               | TANTRANSCO       | 100               | OCT-21              |
|                              | <b>TOTAL STATE SECTOR</b>                                                  |                       |                  | <b>900</b>        |                     |

| SI No                 | Name of Sub Stations                                                          | Voltage Ratio (kV/kV) | Executing Agency | Capacity (MW/MVA) | Month of Completion |
|-----------------------|-------------------------------------------------------------------------------|-----------------------|------------------|-------------------|---------------------|
| 1.                    | 2.                                                                            | 3.                    | 4.               | 5.                | 6.                  |
|                       | TOTAL 230 kV                                                                  |                       |                  | 900               |                     |
| 220 kV                |                                                                               |                       |                  |                   |                     |
| <b>CENTRAL SECTOR</b> |                                                                               |                       |                  |                   |                     |
| 44                    | 400/220/132 kV Saharsa S/S (2 x 200 MVA ICTs of 220/132 kV) (ERSS-XXITL-TBCB) | 220/132               | PGCIL            | 400               | SEP-21              |
|                       | TOTAL CENTRAL SECTOR                                                          |                       |                  | 400               |                     |
| <b>STATE SECTOR</b>   |                                                                               |                       |                  |                   |                     |
| 45                    | Hukmawali (Aug.)                                                              | 220/33                | HVPNL            | 100               | APR-21              |
| 46                    | Gadag (Addl.- T/F)                                                            | 220/110               | KPTCL            | 100               | APR-21              |
| 47                    | Nirpura Baghpat (New) T/F                                                     | 220/33                | UPPTCL           | 60                | MAY-21              |
| 48                    | Akiveedu S/S at West Godavari Dist.                                           | 220/33                | APTRANSCO        | 80                | MAY-21              |
| 49                    | Banga (Upgradation of 132 KV S/Stn. to 220 KV S/Stn. )                        | 220/132               | PSTCL            | 100               | MAY-21              |
| 50                    | Markook LIS s/s (Station PTR-I)                                               | 220/11                | TSTRANSCO        | 16                | JUN-21              |
| 51                    | Pratapsasan S/s (T/F-I)                                                       | 220/132               | OPTCL            | 160               | JUN-21              |
| 52                    | Kothur s/s (2x160 MVA)                                                        | 220/132               | TSTRANSCO        | 320               | JUN-21              |
| 53                    | Phaltan S/s (Addl T/F)                                                        | 220/33                | MSETCL           | 25                | JUN-21              |
| 54                    | Bheemghanpur                                                                  | 220/33                | TSTRANSCO        | 32                | JUN-21              |
| 55                    | Chanchalguda GIS (3x50 MVA)                                                   | 220/33                | TSTRANSCO        | 150               | JUN-21              |
| 56                    | Akkaram LIS s/s (Station T/F-I and II) and (Pump T/F-I) (3x31.5MVA)           | 220/11                | TSTRANSCO        | 95                | JUN-21              |
| 57                    | Markook LIS s/s (16 MVA Station PTR-II) and (6x40 MVA Pump PTR- I to VI)      | 220/11                | TSTRANSCO        | 256               | JUN-21              |
| 58                    | Ujjain S/S (160)                                                              | 220/132               | MPPTCL           | 160               | JUN-21              |
| 59                    | Mupkal LIS s/s (T/F-I and II) (2x60 MVA)                                      | 220/11                | TSTRANSCO        | 120               | JUN-21              |
| 60                    | Akkaram LIS s/s (Aug) (Pump T/F-II to VI) (5x31.5MVA)                         | 220/11                | TSTRANSCO        | 158               | JUN-21              |
| 61                    | Rampur Kamboyan (Aug.)                                                        | 220/66                | HVPNL            | 100               | JUN-21              |

| SI No | Name of Sub Stations                                   | Voltage Ratio (kV/kV) | Executing Agency | Capacity (MW/MVA) | Month of Completion |
|-------|--------------------------------------------------------|-----------------------|------------------|-------------------|---------------------|
| 1.    | 2.                                                     | 3.                    | 4.               | 5.                | 6.                  |
| 62    | Medigadda s/s (50 MVA STR-I and 3x50 MVA PTR-I to III) | 220/110               | TSTRANSCO        | 200               | JUL-21              |
| 63    | Annaram S/S (50 MVA STR-I and 4x50 MVA PTR-I to IV)    | 220/11                | TSTRANSCO        | 250               | JUL-21              |
| 64    | Annaram S/S (50 MVA STR-II and 4x50 MVA PTR-V to VIII) | 220/11                | TSTRANSCO        | 250               | JUL-21              |
| 65    | Gouridevipally S/S                                     | 220/11                | TSTRANSCO        | 100               | JUL-21              |
| 66    | Medigadda s/s (50 MVA STR-II and 8x50 MVA PTR-IVto XI) | 220/11                | TSTRANSCO        | 450               | JUL-21              |
| 67    | Rajeshwarrao peta s/s                                  | 220/11                | TSTRANSCO        | 120               | JUL-21              |
| 68    | Rampur (120 MVA) S/S                                   | 220/11                | TSTRANSCO        | 120               | JUL-21              |
| 69    | Yelluru Water Grid S/S                                 | 220/11                | TSTRANSCO        | 100               | JUL-21              |
| 70    | Kunnamangalam GIS s/s                                  | 220/110               | KSEB             | 100               | JUL-21              |
| 71    | Huzurabad S/S                                          | 220/132               | TSTRANSCO        | 200               | JUL-21              |
| 72    | Janagaon s/s (Upgradation of existing 132/33 s/s)      | 220/132               | TSTRANSCO        | 200               | JUL-21              |
| 73    | Kalluru S/S                                            | 220/132               | TSTRANSCO        | 200               | JUL-21              |
| 74    | Madugula                                               | 220/132               | TSTRANSCO        | 200               | JUL-21              |
| 75    | Mahabubabad (Ayyagaripally)                            | 220/132               | TSTRANSCO        | 100               | JUL-21              |
| 76    | Nagarkurnool                                           | 220/132               | TSTRANSCO        | 200               | JUL-21              |
| 77    | Pedagopathi S/S                                        | 220/132               | TSTRANSCO        | 200               | JUL-21              |
| 78    | Renzal S/S (Upgradation of existing 132/33 s/s)        | 220/132               | TSTRANSCO        | 200               | JUL-21              |
| 79    | Aswaraopet SS upgradation from 132 kV                  | 220/132/33            | TSTRANSCO        | 100               | JUL-21              |
| 80    | Huzurnagar S/S                                         | 220/132/33            | TSTRANSCO        | 200               | JUL-21              |
| 81    | Meenajipet s/s                                         | 220/132/33            | TSTRANSCO        | 200               | JUL-21              |
| 82    | Radhanesda                                             | 220/33                | GETCO            | 375               | JUL-21              |
| 83    | Telkoi                                                 | 220/33                | OPTCL            | 20                | JUL-21              |
| 84    | Domalapenta s/s                                        | 220/33                | TSTRANSCO        | 63                | JUL-21              |
| 85    | Nagaram S/S                                            | 220/33                | TSTRANSCO        | 63                | JUL-21              |

| SI No | Name of Sub Stations                                     | Voltage Ratio (kV/kV) | Executing Agency | Capacity (MW/MVA) | Month of Completion |
|-------|----------------------------------------------------------|-----------------------|------------------|-------------------|---------------------|
| 1.    | 2.                                                       | 3.                    | 4.               | 5.                | 6.                  |
| 86    | Phoolbagh Kanpur (New) T/F-II                            | 220/33                | UPPTCL           | 60                | JUL-21              |
| 87    | Sikandarabad T/F-II (Capacity Augmentation)              | 220/33                | UPPTCL           | 60                | JUL-21              |
| 88    | Kathua-II (Ghatti) (New) Grid station                    | 220/66                | JKPDD            | 160               | JUL-21              |
| 89    | Samba(New) Grid station                                  | 220/66                | JKPDD            | 160               | JUL-21              |
| 90    | Indravelly (Utnoor) S/S with Automation System           | 220/132               | TSTRANSCO        | 200               | AUG-21              |
| 91    | I.I.T.G.N.L. Gr. Noida (New) T/F-I                       | 220/33                | UPPTCL           | 60                | AUG-21              |
| 92    | Hayathnagar (Aug) (2x100) - (1x100 1x50)                 | 220/33                | TSTRANSCO        | 50                | AUG-21              |
| 93    | Laphripara                                               | 220/33                | OPTCL            | 40                | AUG-21              |
| 94    | Deogarh                                                  | 220/33                | OPTCL            | 40                | AUG-21              |
| 95    | Kalwan (Bhendi) (Addl T/F)                               | 220/33                | MSETCL           | 50                | AUG-21              |
| 96    | Sukha (Jabalpur) (Addl. T/F-II)                          | 220/33                | MPPTCL           | 50                | AUG-21              |
| 97    | Gurgaon Sector-107 GIS                                   | 220/33                | HVPNL            | 200               | AUG-21              |
| 98    | Radhanesda (Addl T/F)                                    | 220/33                | GETCO            | 125               | AUG-21              |
| 99    | Jehta (Hardoi Road) S/s (Lucknow)                        | 220/132               | UPPTCL           | 200               | AUG-21              |
| 100   | Ujjain (T/F-II)                                          | 220/132               | MPPTCL           | 160               | SEP-21              |
| 101   | Faridabad Sector-58 GIS                                  | 220/66                | HVPNL            | 320               | SEP-21              |
| 102   | Babhaleshwar S/s (Addl T/F)                              | 220/33                | MSETCL           | 50                | SEP-21              |
| 103   | Radhanesda (Addl. T/F)                                   | 220/33                | GETCO            | 125               | SEP-21              |
| 104   | Wankaner S/S (Dist. Rajkot) (GEC-I)                      | 220/132               | GETCO            | 300               | OCT-21              |
| 105   | Pydibhimavaram at (Srikakulam District)                  | 220/132               | APTRANSCO        | 100               | OCT-21              |
| 106   | GNDTP Bhatinda                                           | 220/66                | PSTCL            | 200               | OCT-21              |
| 107   | Chatra S/S                                               | 220/132/33            | JUSNL            | 300               | OCT-21              |
| 108   | Tubinakere (T/F-I Replacement (150-100))                 | 220/66                | KPTCL            | 50                | OCT-21              |
| 109   | Pratap Vihar (Capacity Aug.) T/F-II                      | 220/33                | UPPTCL           | 60                | OCT-21              |
| 110   | Botanical Garden (Sec-38A)Noida (Capacity Aug.) T/F-III) | 220/33                | UPPTCL           | 60                | OCT-21              |
| 111   | Indore (East)                                            | 220/33                | MPPTCL           | 50                | OCT-21              |
| 112   | Lassipora (GIS)                                          | 220/33                | JKPDD            | 160               | OCT-21              |

| <b>SI No</b> | <b>Name of Sub Stations</b> | <b>Voltage Ratio (kV/kV)</b> | <b>Executing Agency</b> | <b>Capacity (MW/MVA)</b> | <b>Month of Completion</b> |
|--------------|-----------------------------|------------------------------|-------------------------|--------------------------|----------------------------|
| <b>1.</b>    | <b>2.</b>                   | <b>3.</b>                    | <b>4.</b>               | <b>5.</b>                | <b>6.</b>                  |
| 113          | Alawalpur (Addl. T/F)       | 220/66                       | PSTCL                   | 100                      | OCT-21                     |
| 114          | Amethi (New) T/F-I          | 220/132                      | UPPTCL                  | 160                      | OCT-21                     |
| 115          | GNDTP Bhatinda              | 220/132                      | PSTCL                   | 300                      | OCT-21                     |
| 116          | Kukshi 220/132kV S/S        | 220/132                      | MPPTCL                  | 160                      | OCT-21                     |
|              | <b>TOTAL STATE SECTOR</b>   |                              |                         | <b>10353</b>             |                            |
|              | <b>TOTAL 220 kV</b>         |                              |                         | <b>10753</b>             |                            |
|              | <b>GRAND TOTAL</b>          |                              |                         | <b>46038</b>             |                            |