

Transmission projects awarded under Tariff Based Competitive Bidding (TBCB) route during the period from FY 2021 to FY 2023

| Sl. No. | Transmission Project | Name of the successful Bidder | Tariff discovered (Yearly) (In Rs Cr.) | BPC |
|-------------------|--|---|---|------------|
| FY 2020-21 | | | | |
| 1 | Western Region Strengthening Scheme- XIX (WRSS-XIX) and North Eastern Region Strengthening Scheme- IX (NERSS-IX) | Sterlite Grid 13 Limited | 256.59 | PFCCCL |
| 2 | Transmission system strengthening scheme for evacuation of power from solar energy zones in Rajasthan (8.1 GW) under Phase-II Part-F | Power Grid Corporation of India Limited | 140.40 | PFCCCL |
| 3 | Transmission system strengthening scheme for evacuation of power from solar energy zones in Rajasthan (8.1 GW) under Phase II -Part A. | M/s Power Grid Corporation of India Limited | 39.05 | RECPDCL |
| FY 2021-22 | | | | |
| 4 | Transmission system strengthening scheme for evacuation of power from solar energy zones in Rajasthan (8.1 GW) under Phase-II Part-D | Power Grid Corporation of India Limited | 99.70 | PFCCCL |
| 5 | Evacuation of power from RE sources in Koppal Wind Energy Zone (Karnataka) (2500MW) | ReNew Transmission Venture Pvt. Ltd. | 61.13 | PFCCCL |
| 6 | Establishment of new 220/132kV substation at Nangalbibra | Sterlite Grid 26 Ltd. | 55.86 | PFCCCL |

| | | | | |
|-------------------|--|---|--------|---------|
| 7 | Evacuation of power from RE sources in Karur/ Tiruppur Wind Energy Zone (Tamil Nadu) (1000MW) under Phase-I | Adani Transmission Ltd. | 18.35 | PFCCCL |
| 8 | Transmission scheme for evacuation of 3 GW RE injection at Khavda P.S. under Phase-I | Adani Transmission Ltd. | 100.03 | PFCCCL |
| 9 | Transmission system strengthening for evacuation of power from solar energy zones in Rajasthan (8.1 GW) under Phase II -Part B | M/s Power Grid Corporation of India Limited | 72.89 | RECPDCL |
| 10 | Transmission system strengthening scheme for evacuation of power from solar energy zones in Rajasthan (8.1 GW) under phase-II- Part C. | M/s Power Grid Corporation of India Limited | 163.71 | RECPDCL |
| 11 | Transmission System for evacuation of power from RE Projects in Osmanabad area (1 GW) in Maharashtra. | Consortium of Indi Grid 1 Limited and Indi Grid 2 Limited | 16.74 | RECPDCL |
| 12 | Transmission Scheme for Solar Energy Zone in Gadag (2500 MW), Karnataka - Part A. | M/s ReNew Transmission Ventures Private Limited | 29.7 | RECPDCL |
| FY 2022-23 | | | | |
| 13 | Transmission system strengthening scheme for evacuation of power from solar energy zones in Rajasthan (8.1 GW) under Phase-II Part-G | Power Grid Corporation of India Limited | 148.41 | PFCCCL |
| 14 | 400 kV Khandukhal (Srinagar) - Rampura (Kashipur) D/C Line | Megha Engineering & | 58.72 | PFCCCL |

| | | | | |
|----|--|---|--------|---------|
| | | Infrastructures Limited | | |
| 15 | Transmission System for Evacuation of Power from Pakaldul HEP in Chenab Valley HEPs - Connectivity System | Sterlite Grid 24 Limited | 38.85 | PFCCCL |
| 16 | Western Region Expansion Scheme-XXVII (WRES-XXVII) | Power Grid Corporation of India Limited | 29.72 | PFCCCL |
| 17 | Western Region Expansion Scheme-XXVIII (WRES-XXVIII)” & “Western Region Expansion Scheme-XXIX (WRES-XXIX) | Power Grid Corporation of India Limited | 28.69 | PFCCCL |
| 18 | Transmission System Strengthening Scheme for Evacuation of Power from Solar Energy Zones in Rajasthan (8.1 GW) under Phase-II Part-E | Power Grid Corporation of India Limited | 135.22 | PFCCCL |
| 19 | Transmission system for evacuation of power from RE projects in Rajgarh (2500 MW) SEZ in Madhya Pradesh. | M/s G R Infraprojects Limited | 40.82 | RECPDCL |
| 20 | Transmission system for evacuation of power from Neemuch SEZ | M/s Power Grid Corporation of India Limited | 78.38 | RECPDCL |
| 21 | System Strengthening Scheme for Eastern and North Eastern Regions | M/s Power Grid Corporation of India Limited | 35 | RECPDCL |
| 22 | Transmission Scheme for Solar Energy Zone in Gadag (1500 MW), Karnataka: Part A-Phase-II. | M/s ReNew Transmission Ventures Private Limited | 24.54 | RECPDCL |

| | | | | |
|----|---|---|--------|---------|
| 23 | ISTS Network Expansion scheme in Western Region & Southern Region for export of surplus power during high RE scenario in Southern Region. | M/s Adani Energy Solutions Limited | 213.48 | RECPDCL |
| 24 | Inter-regional Interconnection. ER-WR | M/s Power Grid Corporation of India Limited | 29.01 | RECPDCL |
| 25 | Transmission scheme for evacuation of 4.5 GW RE injection at Khavda P.S. under Phase-II – Part B, Gujarat. | M/s Power Grid Corporation of India Limited | 110.64 | RECPDCL |

| | | |
|---|---|--------|
| Transmission scheme for evacuation of 4.5 GW RE injection at Khavda P.S. under Phase-II – Part C, Gujarat | M/s Power Grid Corporation of India Limited | 281.70 |
| ISTS Network Expansion in Gujarat associated with integration of RE in Khavda potential RE zone. | M/s Power Grid Corporation of India Limited | 77.33 |
| Transmission of Khavda Pooling Station-2 (KPS2) in Khavda RE Park. | M/s Power Grid Corporation of India Limited | 69.68 |
| Transmission of Khavda Pooling Station-3 (KPS3) in Khavda RE Park. | M/s Power Grid Corporation of India Limited | 75.53 |
| Transmission scheme for evacuation of 4.5 GW RE injection at Khavda P.S. under Phase-II – Part A, Gujarat | M/s Adani Energy Solutions Limited | 118.90 |

Details of Transmission projects along with the total estimated cost awarded on nomination basis during the same period are given below.

Transmission projects (ISTS) awarded on nomination basis [under Regulated Tariff Mechanism (RTM)] during the period from FY 2021 to FY 2023

| Sl. No. | Transmission Project |
|---------|----------------------|
|---------|----------------------|

FY 2020-21

| | |
|----|---|
| 1. | Transmission system for evacuation power from Pakaldul HEP in Chena HEPs - LTA System |
| 2. | Transmission system for power evacuation from Arun-3 (900MW) HEP of M/s SAPDC - Indian Portion |
| 3. | Eastern region Strengthening scheme (ERSS)-XXVI |
| 4. | North Eastern region Strengthening scheme (NERSS)-XI |
| 5. | North Eastern region Strengthening scheme (NERSS)-XII |
| 6. | North Eastern region Strengthening scheme (NERSS)-XIII |
| 7. | North Eastern region Strengthening scheme (NERSS)-XIV |

FY 2021-22

| | |
|-----|---|
| 8. | Implementation of 400kV bays for RE generators at Bhadla-II PS, Fateh PS |
| 9. | Implementation of 400 kV bays for RE generators at Fatehgarh-III (e Ramgarh-II) PS |
| 10. | Implementation of 220 kV bay at Shahjahanpur (PG) 400/220 substation |
| 11. | Implementation of 1x80 MVAR 765 kV Spare Reactor at Bhadla-II S/s |
| 12. | Implementation of the 1x500 MVA, 400/220 kV ICT (8th) at Bhadla Station |
| 13. | Transmission system for evacuation of power from REZ in Rajasthan (I under Phase-III Part E1 |
| 14. | Transmission system for evacuation of power from REZ in Rajasthan (I under Phase-III Part E2 |

| | |
|-----|--|
| 15. | Transmission system for evacuation of power from REZ in Rajasthan (under Phase-III Part J |
| 16. | System Strengthening scheme for reconductoring of portion of D Kishwar-Kishenpur 400 kV (Quad) S/c |
| 17. | Grant of 400 kV & 220 kV bays to RE generators at Fatehgarh-III (e Ramgarh-II) PS under ISTS |
| 18. | 1x500 MVA, 400/220 kV ICT augmentation (3rd) at Sohawal (PG) under strengthening |
| 19. | One no of 220 kV bay at Chamera Pooling point for 2nd Circuit stringing 220 kV Karian – Chamera Pool line under implementation by HPPTCL with effect from December 21. |
| 20. | 220 kV bays at 400 kV substation PGCIL Khatkar (Jind) &Naggal (Panipat) substation |
| 21. | Implementation of 220 kV bays for RE generators and 400/220kV Bikaner-II PS |
| 22. | Augmentation of transformation capacity at 400/220 kV Ludhiana Substation: |
| 23. | Augmentation of Transformation capacity at 400/220 kV Kurukshetra Patiala (PG) Substations: |
| 24. | Implementation of 2 nos. of 220kV line bays at 400/220 kV Jind (PG) S/c |
| 25. | Requirement of 220 kV line bay at 400/220kV Amritsar (PG) by PSTCL |
| 26. | Transmission System Strengthening for ‘Srinagar – Leh Transmission S/c |
| 27. | ERES-XXVI |
| 28. | ICT Augmentation at 2x315 MVA, 400/220 kV Shujalpur (PG) substation |
| 29. | Regional System Strengthening scheme to mitigate the overloading of NP Kunta-Kolar S/C line |

| | |
|-----|---|
| 30. | Augmentation of transformation capacity at exist in Hiriyur and Kochi S/s |
| 31. | Restoring of one circuit of Kudankulam - Tuticorin PS 400 kV (quad) at Tirunelveli to control loadings/un-balancing on Kudankulam - Tirunelveli 400 kV (quad) lines |
| 32. | implementation of 1no 230 kV bay at Tuticorin-II GIS PS |
| 33. | Transmission System strengthening beyond Kolhapur for export of power from SR to WR - Re-conductoring of Kolhapur (PG) – Kolhapur 400 kV D/c |
| 34. | Augmentation of 1x500MVA 400/220kV ICT (3rd) at Bhatapara (PG) |
| 35. | Transmission Network Expansion in Gujarat to TC from ISTS: Part B |
| 36. | Transmission Network Expansion in Gujarat to TC from ISTS: Part C |
| 37. | Transmission Network Expansion in Gujarat to TC from ISTS: Part A |
| 38. | Requirement of 765 kV spare (1-Ph) Reactors units at 765 kV Warangal |
| 39. | Requirement of 765 kV spare (1-Ph) Reactors units at 765 kV Chilkaluripeta |
| 40. | Scheme to bypass NGR to use Switchable Line Reactor as Bus Reactor at Chilkaluripeta |
| 41. | 1 no. of 400 kV bay at 765/400 kV Kurnool (New) |
| 42. | Scheme to control fault level at Indore S/s |
| 43. | Upgradation of 40% FSC associated with Wardha – Aurangabad 400kV line at Wardha S/s from 40kA to 50kA short circuit level |
| 44. | Scheme for fault level control at Dehgam (PG) & Ranchodpura (GETCO) |
| 45. | Western Region Expansion Scheme-XXVI (WRES-XXVI) |

| | |
|-------------------|--|
| 46. | Augmentation of transformation capacity at Tuticorin-II (GIS) PS by 1x500 MVA, 400/230kV ICT (5 th) |
| 47. | Transmission system for evacuation of RE power from renewable energy projects in Leh (5GW Leh- Kaithal transmission corridor) |
| FY 2022-23 | |
| 48. | Implementation of 1 no. of 400 kV line bay at 400/220kVBikaner-II for interconnection of 1000 MW Solar Project of SJVN Ltd. |
| 49. | Augmentation of Transformation capacity at Bhinmal (PG) S/s by 1x315 MVA, 400/220kV ICT (3rd). |
| 50. | Eastern Region Expansion Scheme-XXVII (ERES-XXVII) |
| 51. | North Eastern Region Expansion Scheme-XVII (NERES-XVII) |
| 52. | Augmentation of Transformation Capacity by 1x500 MVA, 400/220kV ICT (3rd) at Raigarh (PG) S/s. |
| 53. | Western Region Expansion Scheme-XXX (WRES-XXX): |
| 54. | Implementation of 2 nos. of 220 kV line bays at 400/220kV Bikaner-I for interconnection of solar projects (ACME Solar Holdings Pvt. Ltd., Greentech Pvt. Ltd.) |
| 55. | Augmentation of Transformation Capacity by 1x500 MVA, 400/230kV ICT (4th) at Arasur substation: |
| 56. | Augmentation of Transformation Capacity by 1x500 MVA, 400/230kV ICT (4th) at Hosur substation: |
| 57. | Western Region Expansion Scheme-XXV (WRES-XXV) |
| 58. | Augmentation of Transformation Capacity by 1x500MVA 400/220kV ICT (4th) at Fatehgarh-II PS to cater to the N-1 contingency requirement at Fatehgarh-II PS. |

| | |
|-----|--|
| 59. | Augmentation of Transformation capacity by 1x500MVA, 400/220kV ICT to cater to the N-1 contingency requirement at Bikaner PS. |
| 60. | Reactive power compensation on 400kV transmission lines in NR. |
| 61. | Eastern Region Expansion Scheme-XXXI (ERES-XXXI). |
| 62. | North Eastern Region Expansion Scheme-XIX (NERES-XIX). |
| 63. | Augmentation of transformation capacity at Kallam PS by 2x500 MVA, 400/220kV ICTs (3rd & 4th) along with 220kV bays for RE interconnection |
| 64. | Augmentation of ISTS for interconnection of HVPNL transmission scheme |
| 65. | Scheme to relieve high loading of WR-NR Inter Regional Corridor (Bhinmal Zerda line) |
| 66. | Eastern Region Expansion Scheme XXIX (ERESXXIX) |
| 67. | Transmission system for evacuation of power from Rajasthan REZ PhIV (Part-1) (Bikaner Complex) Part-E |
| 68. | Supply and Installation of OPGW on existing main lines which are to be used under various transmission schemes. |
| 69. | Implementation of 1 no. 220kV line bay at Bhuj PS for providing Connectivity to M/s NTPC Renewable Energy Ltd. (300MW) |
| 70. | Transmission System for providing connectivity to M/s VEH Jayin Renewable Pvt. Ltd. at Rajgarh (PG) S/s |
| 71. | Western Region Expansion Scheme XXXI (WRES-XXXI): Part C |
| 72. | Western Region Expansion Scheme XXXIII (WRES-XXXIII): Part D |
| 73. | Implementation of 2 nos. of 220 kV line bays at 400/220 kV Paikar (Barwala) (PG) S/s for interconnection with 220 kV Dera Bassi S/s. |

| | |
|-----|---|
| 74. | Replacement of 1x315 MVA 400/220kV ICT (ICT-1) at 400/220 kV L (PG) S/s with 1x500 MVA 400/220kV ICT |
| 75. | Replacement of 1x250 MVA, 400/220 kV ICT at 765/400/220 kV Mo S/s with 1x500 MVA 400/220kV ICT along with associated works at level. |
| 76. | Augmentation of Transformation Capacity by 1x500 MVA, 400/220 (3rd) at 400/220 kV Patran (GIS) S/s |
| 77. | Implementation of 1 no. of 220 kV line bay at 400/220kV Bikaner-II interconnection of solar project (M/s NHPC Ltd.): |
| 78. | Eastern Region Expansion Scheme-XXX (ERES-XXX) |
| 79. | Eastern Region Expansion Scheme-XXXIII (ERES-XXXIII) |
| 80. | North Eastern Region Expansion Scheme-XVIII (NERES-XVIII) |
| 81. | North Eastern Region Expansion Scheme-XX (NERES-XX) |
| 82. | Implementation of 1 no. 400kV line bay at Kurnool New S/s for pr Connectivity to M/s Greenko AP01 IREP Pvt. Ltd. (2 nd 400kV line bay Greenko) |
| 83. | Eastern Region Expansion Scheme-XXXII (ERES-XXXII) |
| 84. | Implementation of 2 no. of 220 kV line bays at 400/220kV Bikaner-II interconnection of RE power park of M/s ALF Solar Amarsar Pvt. Ltd. |
| 85. | Augmentation of transformation capacity by 1x500MVA, 400/220kV IC at Mysore substation in Karnataka |
| 86. | Western Region Expansion Scheme XXXIII (WRES-XXXIII): Part A |
| 87. | Transmission scheme for evacuation of 4.5 GW RE injection at Kha under Phase II- Part D |

| | |
|-----|--|
| 88. | ICT Augmentation at Navsari (New) S/s associated with integration of ad 7 GW RE power from Khavda RE park under Phase-III |
| 89. | Western Region Expansion Scheme XXXIII (WRES-XXXIII): Part B1 |
| 90. | Western Region Expansion Scheme XXXIII (WRES-XXXIII): Part C1 |