

Status of implementation of various schemes to achieve 1,00,000 MW Solar Plan

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(i) Cumulative Commissioned as on 30-11-2015

| Sr. No. | State/UT | Total MNRE Projects MW | State Policy MW | RPO MW | REC Scheme MW | Pvt. Initiative (Roof top) MW | CPSUs MW | Total commissioned capacity till 30-11-15 (MW) |
|--------------|-------------------|------------------------|-----------------|------------|---------------|-------------------------------|---------------|--|
| 1 | Andhra Pradesh | 94.75 | 137.47 | 0 | 38.7 | 2.82 | 10 | 283.74 |
| 2 | Arunachal Pradesh | 0.265 | 0 | 0 | 0 | 0 | 0 | 0.265 |
| 3 | Chhattisgarh | 4 | 64.08 | 0 | 4.6 | 0.5 | 0 | 73.18 |
| 4 | Gujarat | 40 | 877.15 | 50 | 6 | 51 | 0 | 1024.15 |
| 5 | Haryana | 7.8 | 0 | 0 | 0 | 0 | 5 | 12.8 |
| 6 | Jharkhand | 16 | 0 | 0 | 0 | 0 | 0 | 16 |
| 7 | Karnataka | 15 | 66 | 10 | 0 | 4.22 | 9 | 104.22 |
| 8 | Kerala | 0.025 | 12 | 0 | 0 | 0 | 0 | 12.025 |
| 9 | Madhya Pradesh | 225.25 | 302.55 | 0 | 80.78 | 0 | 65 | 673.58 |
| 10 | Maharashtra | 72 | 126 | 50 | 121.32 | 9.38 | 0 | 378.7 |
| 11 | Orissa | 12 | 30 | 0 | 4.5 | 0.42 | 10 | 56.92 |
| 12 | Punjab | 10.5 | 182.05 | 0 | 7.52 | 0.25 | 0 | 200.32 |
| 13 | Rajasthan | 944.1 | 60 | 40 | 212.6 | 0 | 0 | 1256.7 |
| 14 | Tamil Nadu | 26 | 149 | 0 | 190.86 | 20.01 | 0 | 385.87 |
| 15 | Telangana | 0 | 61.95 | 0 | 23.4 | 6.1 | 0 | 91.45 |
| 16 | Tripura | 0 | 0 | 0 | 5 | 0 | 0 | 5 |
| 17 | Uttar Pradesh | 12 | 42 | 0 | 0 | 1.75 | 15.51 | 71.26 |
| 18 | Uttarakhand | 5 | 0 | 0 | 0 | 0 | 0 | 5 |
| 19 | West Bengal | 2.05 | 5 | 0 | 0 | 0.16 | 0 | 7.21 |
| 20 | Andaman & Nicobar | 0.1 | 0 | 0 | 0 | 0 | 5 | 5.1 |
| 21 | Delhi | 0.335 | 0 | 0 | 2.14 | 4.237 | 0 | 6.712 |
| 22 | Lakshadweep | 0.75 | 0 | 0 | 0 | 0 | 0 | 0.75 |
| 23 | Puducherry | 0.025 | 0 | 0 | 0 | 0 | 0 | 0.025 |
| 24 | Chandigarh | 5.041 | 0 | 0 | 0 | 0 | 0 | 5.041 |
| 25 | Daman & Diu | 0 | 4 | 0 | 0 | 0 | 0 | 4 |
| 26 | Others | 0.79 | 0 | 0 | 0 | 0 | 0 | 0.79 |
| TOTAL | | 1493.781 | 2119.25 | 150 | 697.42 | 100.847 | 119.51 | 4680.808 |

(ii) Commissioned in 2015-16 as on 30-11-2015

| Sr. No. | State/UT | Total MNRE Projects MW | State Policy MW | RPO MW | REC Scheme MW | Pvt. Initiative (Roof top) MW | CPSUs MW | Total commissioned capacity till 30-11-15 (MW) |
|--------------|-------------------|------------------------|-----------------|----------|---------------|-------------------------------|----------|--|
| 1 | Andhra Pradesh | 0 | 35.28 | 0 | 4.4 | 1.2 | 0 | 40.88 |
| 2 | Arunachal Pradesh | 0.24 | 0 | 0 | 0 | 0 | 0 | 0.24 |
| 3 | Chhattisgarh | 0 | 64.08 | 0 | 1.5 | 0 | 0 | 65.58 |
| 4 | Gujarat | 20 | 4.1 | 0 | 0 | 0 | 0 | 24.1 |
| 5 | Haryana | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | Jharkhand | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | Karnataka | 10 | 16 | 0 | 0 | 1 | 0 | 27 |
| 8 | Kerala | | 12 | 0 | 0 | 0 | 0 | 12 |
| 9 | Madhya Pradesh | 40 | 70 | 0 | 5 | 0 | 0 | 115 |
| 10 | Maharashtra | 15 | 0 | 0 | 2 | 0.95 | 0 | 17.95 |
| 11 | Orissa | 0 | 25 | 0 | 0 | 0.16 | 0 | 25.16 |
| 12 | Punjab | 0 | 15.05 | 0 | 0 | 0 | 0 | 15.05 |
| 13 | Rajasthan | 260 | 35 | 0 | 19.6 | 0 | 0 | 314.6 |
| 14 | Tamil Nadu | 10 | 131 | 0 | 92.7 | 9.59 | 0 | 243.29 |
| 15 | Telangana | 0 | 28.7 | 0 | 1.5 | 0 | 0 | 30.2 |
| 16 | Tripura | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 | Uttar Pradesh | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 | Uttarakhand | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 | West Bengal | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 | Andaman & Nicobar | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | Delhi | 0 | 0 | 0 | 0 | 1.247 | 0 | 1.247 |
| 22 | Lakshadweep | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | Puducherry | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | Chandigarh | 0.541 | 0 | 0 | 0 | 0 | 0 | 0.541 |
| 25 | Daman & Diu | 0 | 4 | 0 | 0 | 0 | 0 | 4 |
| TOTAL | | 355.781 | 440.21 | 0 | 126.7 | 14.147 | 0 | 936.838 |

a) Projects likely to commissioned in 2015-16 under State Policies

| S.No | State | Tenders issued or feed in tariff (MW) | PPA signed (Project not commissioned yet) | Likely to be commissioned by 31.03.2016 (MW) |
|------|-------------------|---------------------------------------|--|--|
| 1 | Arunachal Pradesh | Nil | Nil | Nil |
| 2 | Ladakh (J&K) | Nil | Nil | Nil |
| 3 | Rajasthan | Nil | 50 | 50 |
| 4 | Chhattisgarh | Nil | 136 | 64.9 |
| 5 | J&K | Nil | Nil | Nil |
| 6 | Madhya Pradesh | 620 | 320 | 432 |
| 7 | Haryana | 150 | Nil | Nil |
| 8 | Mizoram | Nil | Nil | Nil |
| 9 | Himachal | Nil | Nil | Nil |
| 10 | Orissa | Nil | Nil | 25 |
| 11 | Telangana | 3500 | 825 | 1166 |
| 12 | Chandigarh | Nil | Nil | Nil |
| 13 | Punjab | 729 | 229 | 229 |
| 14 | Sikkim | Nil | Nil | Nil |
| 15 | Daman & diu | Nil | Nil | 10 |
| 16 | Maharashtra | nil | Nil | Nil |
| 17 | Andhra Pradesh | 619 | 614 | 350 |
| 18 | Delhi | Nil | Nil | Nil |
| 19 | Tamilnadu | 1214 | 1214 | 1214 |
| 20 | Uttarakhand | 30 | 30 | 30 |
| 21 | Tripura | Nil | Nil | Nil |
| 22 | Uttar Pradesh | 215 | 195 | 105 |
| 23 | Karnataka | 1000 | 700 | 100 |
| | Total | 8001 | 4237 | 3775 |

b) Projects likely to be commissioned in 2015-16 under Government of India Policies

| S.No | Schemes | Likely to be commissioned by 31.03.2016 (MW) |
|-------------|---|---|
| 1 | Grid Connected VGF Scheme (Balance of Ph-II, Batch-I) | 330 |
| 2 | Rooftop Scheme | 240 |
| | Total | 570 |

c) Projects likely to be commissioned in 2015-16:-3775 + 570 = 4345 MW

Overall Status of tendering/PPA's for commissioning in 2016-17

(A) GOI Support

| Sl. No. | Tendering by | Tendering Capacity (MW) | Remarks | Expected commissioning in 2016-17(MW) |
|---------|-----------------------------|-------------------------|--|---------------------------------------|
| 1 | SECI | 2670 | Under 2000 MW VGF Scheme a) Gujarat- 225 MW(Open)+25 MW(DCR)(Bid submission- 29/12/15) b) Maharashtra- 450 MW(Open)+50 MW(DCR))(Bid submission- 15/12/15) c) UP- 440 MW(open)(Pre Bid meeting-18/12/15) Total= 1190 MW tendered | 1600 |
| | | 1250 | 1250 MW Under 5000 MW VGF Scheme of MNRE to be tendered by Jan 2016 subject to Cabinet Approval | -- |
| | | 100 | 100 MW Project allotted and Under Canal-top/ bank scheme of MNRE. Total=64 MW tendered. | 44 |
| | | 62.5 | 62.5 MW SECI's own projects Total=10MW tendered | 50 |
| | | 3 | 3 MW IPTPS, New Delhi, LOI issued on 07.10.2015 Total= 3MW tendered. | 3 |
| 2 | NTPC Ltd. (Developer mode) | 3000 | Under 3000 MW Bundling Scheme of MNRE a) AP Solar park 50x10 = 500 MW (29-4-15), reverse acution- 03.11.2015, Entire capacity won by Sun Edison at Rs 4.63/kWh b) Rajasthan Solar Park 70x6= 420 MW (21-5-15), Technical Bid Open Reverse acution-28/12/2015 c) AP Solar Park 350 MW single project + 50x3 = 150 MW (DCR category) (21-5-15) Reverse acution-14/12/2015 d) Rajasthan 130 MW(open)+100 MW(DCR) =230 MW(21-05- | 2500 |

| | | | | |
|---|--|-----------------|---|-------------|
| | | | <p>2015)</p> <p>e) Karnataka 500 MW(Open)+100 MW(DCR)=600 W (28-08-2015)</p> <p>f) UP 100 MW(Open)- (12-08-2015)</p> <p>g) Telangana-350 MW(open)+50 MW(DCR)(09-10-2015)</p> <p>Total = 2750 MW tendered Open-2350 MW, DCR-400 MW Solar park:2020 MW, Non Solar:730 MW</p> | |
| 3 | NTPC Ltd. (Own Projects) | 3020 | <p>a) AP-250 MW(DCR)- Awarded on 29.04.2015</p> <p>b) MP- 250 MW(DCR)- 24/05/2015, (Reverse auction-Jan 2016)</p> <p>c) Rajasthan- 260 MW(DCR)- 24/05/15</p> <p>d) AP- 750 MW(open)- 21/08/15</p> <p>Total- 1510 MW tendered.</p> <p>(Open-750 MW, DCR-760 MW)</p> | 2600 |
| 6 | Foreign Currency Equated Tariff A) NTPC b) PTC | 1000 1000 | | 1000 |
| 7 | Other CPSU (Coal India, IREDA, THDC) | 600 | <p>a) 50 MW-IREDA by SECI</p> <p>b) 10 MW-VPT by SECI</p> <p>c) 200 MW-CIL by SECI</p> <p>Total= 260 MW tendered</p> <p>(Open- 160 MW, DCR-100 MW)</p> | 500 |
| 8 | Rooftop PV (SNAs and SECI 's) | 1000 | <p>a) 50 MW-CPWD by SECI-RESCO</p> <p>Total= 50 MW tendered</p> | 1000 |
| | Total | 13,707.5 | Total= 5837 MW (4401 MW-Open+1335 MW-DCR) | 9297 |

(B) State Government

| S.No | State | Tendering Capacity | Remark | Expected commissioning in 2016-17 (MW) |
|------|----------------|--------------------|---|--|
| 1 | Punjab | 500 MW | Financial Bid opened on 07-09-2015. LOI issued on 19.10.2015 and PPA will be signed by 31/12/2015 | 300 |
| 2 | Karnataka | 300 MW | Under Farmer scheme, PPA signed | 300 |
| | | 1200 MW | Request for proposal (RFP) invited on 20.11.2015. Technical Bid opening date:08.01.2016 | --- |
| 3 | Madhya Pradesh | 300 MW | Financial Bids opened on 15.07.2015. PPA signed | 300 |
| 4 | Telangana | 2000 MW | Financial Bids opened on 03.08.2015. Under process of issuing LOI. | 500 |
| 5 | Haryana | 150 MW | Technical Bid opened. Financial Bid opening date: 07.12.2015 | 150 |
| 6 | Uttar Pradesh | 215 MW | LOI issued and PPA signed. | 215 |
| 7 | Uttarakhand | 170 MW | Financial Bids opened on 28.10.2015. Under process of issuing LOI. | 181 |
| 8 | Andhra Pradesh | 500 MW | Tender issued by APGENCO on EPC basis. Technical bid opened on 30.11.2015. Financial Bid opening date: 27.12.2015 | --- |
| | | 5185 MW | | 1946 |

(C) Projects likely to be commissioned in 2016-17: 9297 + 1946 = 11243 MW

Expected Tender (3991 MW) in December 2015 to March 2015:

| Sl. No. | Tendering by | Tendering Capacity (MW) | States/Likely date of issue of tender |
|----------|--|-----------------------------|---|
| 1 | NTPC Ltd. (Own Projects) Total: 1500 MW | 1000 MW | Karnataka |
| | | 500 MW | Rajasthan (Bhadla Solar Park-III) |
| 2 | NTPC Ltd. (Developer mode) Total: 250 MW | 100 MW | J&K |
| | | 50 MW | Odisha |
| | | 100 MW | State to be decided |
| 3 | SECI- 100 MW canal top and canal bank Total: 36 MW | 10 MW Canal Top | Karnataka |
| | | 1 MW Canal Top | Uttarakhand |
| | | 19 MW Canal Bank | Uttarakhand |
| | | 3.5 MW Canal top | Uttar Pradesh |
| | | 2.5 MW Canal-top | Uttar Pradesh |
| | SECI- VGF Scheme Total: 2060 MW | 810 MW | Under 2000 MW VGF Scheme |
| | 1250 MW | Under 5000 MW VGF Scheme | |
| 4 | SECI- as a consultant Total: 70 MW | 50 MW-THDC | Kerala |
| | | 20 MW- OFB(SECI Consultant) | Maharashtra |
| 5 | Other CPSU Total: 75 MW | 75 MW | KVIC- 10 MW VPT- 10 MW NHPC Ltd- 50 MW Rashtriya Ispat- 5 MW |

Rooftops

| S.no | | With subsidy | Without subsidy |
|-------------|------|---------------------|------------------------|
| 1 | SNAs | Under process | 200 MW |
| 2 | SECI | 750 MW | 500 MW |

Trend of Solar Tariff

| Previous bid results | | | | | |
|--|-----------|------------------------|------------------------|----------------------|-------------------------------|
| | Year | Capacity on Offer (MW) | Highest Bid (Rs./KWh) | Lowest (Rs./KWh) | Weighted Avg. Price (Rs./KWh) |
| NSM Batch 1 | Dec'10 | 150 | 12.76 | 10.95 | 12.16 |
| NSM Batch2 | Dec'11 | 350 | 9.39 | 7.49 | 8.79 |
| Orissa Phase 1 | Mar'12 | 25 | 8.98 | 7.0 | 8.36 |
| Orissa Phase 2 | Dec'12 | 25 | 9.50 | 7.28 | 8.73 |
| Karnataka | Apr'12 | 60 | 8.5 | 7.94 | 8.34 |
| Madhya Pradesh | Jun'12 | 125 | 12.45 | 7.9 | 8.05 |
| Tamil Nadu | Mar'13 | 150 | 14.5 | 5.97 | 6.48* |
| Rajasthan | Mar'13 | 75 | 8.25 | 6.45 | 6.45 (L1) |
| Andhra Pradesh | Apr'13 | 226 | 15.99 | 6.49 | 6.49 (L1) |
| Punjab Phase 1 | June'13 | 270 | 8.75 | 7.2 | 8.41 |
| Uttar Pradesh Phase 1 | Aug'13 | 130 | 9.33 | 8.01 | 8.9 |
| Karnataka Phase 2 | Aug'13 | 130 | 8.05 | 5.5 | 6.87 |
| Madhya Pradesh Phase 2 | Jan'14 | 100 | 6.97 | 6.47 | 6.86 |
| Andhra Pradesh Phase 2 | Oct'14 | 500 | 5.99**(7.03 Levelized) | 5.25** (6.17 Level.) | 5.75** (6.75 Level.) |
| Karnataka | Nov'14 | 500 | 7.12 | 6.71 | 6.94 |
| Telangana | Nov'14 | 500 | 6.9 | 6.46 | 6.72 |
| Punjab (Capacity 5-24 MW) | Feb'15 | 100 | 7.45 | 6.88 | 7.17 |
| Punjab (Capacity 25-100 MW) | Feb'15 | 100 | 7.56 | 6.88 | 7.16 |
| NTPC Anantapur | May'15 | 250 | - | - | 6.16*** (L1) |
| Uttar Pradesh Phase 2 | June'15 | 215 | 8.6 | 7.02 | 8.04 |
| Madhya Pradesh | June'15 | 300 | 5.641 | 5.051 | 5.36 |
| Telangana Group 1**** | August'15 | 500 | 5.8727 | 5.4991 | 5.73 |
| Telangana Group 2**** | August'15 | 1500 | 5.8877 | 5.1729 | 5.62 |
| Punjab | Sept'15 | 500 | 5.98 | 5.09 | 5.65 |
| Uttarakhand | Oct 2015 | 170 | 5.57 | 5.990 | 5.766 |
| AP-500 MW Bundling scheme***** | Nov,2015 | 500 | 4.63 | 4.63 | 4.63 |
| <p>*5% escalation for 10 years ** 3% escalation for 10 years. Separate L1 for 9 districts *** EPC Bids with Domestic content requirement. Capital subsidy of Rs. 1 Cr/MW ****Results for the lowest bid for 500 and 1500 MW respectively. The sub-station wise final list to be declared soon ***** Online reverse action concluded on 03.11.2015. Entire capacity has been won by Sun edission.</p> | | | | | |