

उत्तर क्षेत्रीय विद्युत समिति  
18-ए, श.जीत सिंह मार्ग, कटवारिया सराय,  
नई दिल्ली- 110016  
Government of India  
Northern Regional Power Committee  
18-A, S. Jeet Singh Marg, Katwaria Sarai,  
New Delhi-110016

सं.- उक्षेविस/प्रचालन/106/01/2016/10776 -816

दिनांक- 22.11.2016

सेवा में: प्रचालन समन्वय उपसमिति के सदस्य ।

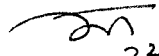
To : Members of Operation Co-ordination Sub-Committee.

विषय: प्रचालन समन्वय उपसमिति की 129 वीं बैठक में स्वीकृत आउटेज कार्यक्रम की सूची

Subject: Outage programme approved in 129<sup>th</sup> OCC Meeting.

प्रचालन समन्वय उपसमिति की 129 वीं बैठक 16.11.2016 को 10.30 बजे उ.क्षे.वि.स., नई दिल्ली में आयोजित की गई । उत्पादन यूनिटों तथा पारेषण तत्वों के लिए प्रचालन समन्वय उपसमिति की बैठक में स्वीकृत आउटेज कार्यक्रम की सूची {संलग्नक-1, संलग्नक-2(A, B&C) संलग्नक-3[3A(1-2)&3B(1-9)]} तैयार कर उ.क्षे.वि.स. की वेब-साइट पर डाल दी गई है जिसे <http://nrpc.gov.in> से डाउनलोड किया जा सकता है । बैठक का विस्तृत कार्यवृत्त शीघ्र ही जारी कर दिया जाएगा ।

129<sup>th</sup> meeting of the Operation Co-ordination Sub-Committee was held on 16.11.2016 from 10.30 hrs at NRPC, New Delhi. Outage programme for generating units, transmission lines and transmission elements {Annexure-1, Annexure-2(A, B&C), Annexure-3 [3A (1-2) &3B(1-9)] as approved in the Operation Co-ordination Sub-Committee meeting has been up-loaded on the NRPC web-site and can be downloaded from <http://nrpc.gov.in>. Detailed minutes of the meeting shall be issued shortly.

  
22.11.2016

(अजय तलेगाँवकर)

(Ajay Talegaonkar)

अधीक्षण अभियंता(प्रचालन)

एवं संयोजक सदस्य, प्रचाल

**APPROVED OUTAGE OF GENERATING STATIONS FOR THE MONTH OF DECEMBER, 2016****EVEREST POWER PVT LTD.**

| S.No. | Station       | Unit No. | Capacity | Date of Start | Date of Completion | No. of Days | Remarks            |
|-------|---------------|----------|----------|---------------|--------------------|-------------|--------------------|
| 1     | Malana-II HEP | 1        | 50       | 15.12.2016    | 14.01.2017         | 30          | Annual Maintenance |
| 2     | Malana-II HEP | 2        | 50       | 15.12.2016    | 14.01.2017         | 30          | Annual Maintenance |

**AD HYDRO POWER LTD.**

| S.No. | Station | Unit No. | Capacity | Date of Start | Date of Completion | No. of Days | Remarks            |
|-------|---------|----------|----------|---------------|--------------------|-------------|--------------------|
| 1     | ADHPL   | 2        | -        | 01.12.2016    | 25.12.2016         | 25          | Annual Maintenance |
| 2     | ADHPL   | 1        | -        | 01.01.2017    | 25.01.2017         | 25          | Annual Maintenance |

**NTPC – NCR**

| S.No. | Station   | Unit No. | Capacity | Date of Start | Date of Completion | No. of Days | Remarks                 |
|-------|-----------|----------|----------|---------------|--------------------|-------------|-------------------------|
| 1     | Badarpur  | 5        | 210      | 21.11.2016    | 15.12.2016         | 25          | Annual Capital Overhaul |
| 2     | Koldam    | 1        | 200      | 17.11.2016    | 21.11.2016         | 5           | Annual Inspection       |
| 3     | Dadri Gas | GT-2     | 130.9    | 14.11.2016    | 18.11.2016         | 5           | Minor Inspection        |

**NTPC – NR**

| S.No. | Station | Unit No. | Capacity | Date of Start | Date of Completion | No. of Days | Remarks          |
|-------|---------|----------|----------|---------------|--------------------|-------------|------------------|
| 1.    | Tanda   | 2        |          | 07.11.2016    | 26.12.2016         | 50          | Capital Overhaul |

**SJVN, Shimla**

| S.No. | Station    | Unit No. | Capacity | Date of Start | Date of Completion | No. of Days | Remarks   |
|-------|------------|----------|----------|---------------|--------------------|-------------|---|
| 1     | NJHPS      | 1        | -        | 23.12.2016    | 31.12.2016         | -           | Continuous Shut Down  |
| 2     | RAMPUR HPS | 1        | -        | 01.12.2016    | 15.12.2016         | -           | Continuous Shut Down<br><b>OCC deliberated and decided to postpone the outage to safe guard the system.</b> |
| 3     | RAMPUR HPS | 2        | -        | 16.12.2016    | 30.12.2016         | -           | Continuous Shut Down  |

**NHPC**

**All the shutdowns are approved subject to availability of water.**

| S.No. | Station   | Unit No. | Capacity | Date of Start | Date of Completion | No. of Days | Remarks             |
|-------|-----------|----------|----------|---------------|--------------------|-------------|---------------------|
| 1.    | Bairasuil | 2        | 60       | 12-12-2016    | 10-01-2017         | 30          | Capital Maintenance |
| 2.    | Salal     | 2        | 115      | 01-10-2016    | 08-01-2017         | 100         | Capital Maintenance |

|     |             |   |      |            |            |     |                     |
|-----|-------------|---|------|------------|------------|-----|---------------------|
| 3.  | Salal       | 3 | 115  | 24-12-2016 | 01-02-2017 | 40  | Annual Maintenance  |
| 4.  | Salal       | 6 | 115  | 20-11-2016 | 19-03-2017 | 120 | Capital Maintenance |
| 5.  | Tanakpur    | 2 | 31.4 | 15-11-2016 | 14-12-2016 | 30  | Annual Maintenance  |
| 6.  | Tanakpur    | 3 | 31.4 | 20-12-2016 | 19-01-2017 | 31  | Annual Maintenance  |
| 7.  | Uri         | 2 | 120  | 24-11-2016 | 08-12-2016 | 15  | Annual Maintenance  |
| 8.  | Uri         | 3 | 120  | 13-12-2016 | 11-01-2017 | 30  | Annual Maintenance  |
| 9.  | Chamera-I   | 1 | 180  | 05-12-2016 | 24-12-2016 | 20  | Annual Maintenance  |
| 10. | Chamera-I   | 2 | 180  | 27-12-2016 | 19-01-2017 | 24  | Annual Maintenance  |
| 11. | Chamera-II  | 2 | 100  | 01-12-2016 | 15-12-2016 | 15  | Annual Maintenance  |
| 12. | Chamera-II  | 1 | 100  | 19-12-2016 | 17-01-2017 | 30  | Capital Maintenance |
| 13. | Dhauliganga | 1 | 70   | 28-12-2016 | 18-01-2017 | 22  | Annual Maintenance  |
| 14. | Dhauliganga | 2 | 70   | 12-12-2016 | 02-01-2017 | 22  | Annual Maintenance  |
| 15. | Dhauliganga | 4 | 70   | 15-11-2016 | 06-12-2016 | 22  | Annual Maintenance  |

|     |             |   |     |            |            |    |                     |
|-----|-------------|---|-----|------------|------------|----|---------------------|
| 16. | Sewa-II     | 1 | 40  | 16-11-2016 | 03-12-2016 | 18 | Annual Maintenance  |
| 17. | Sewa-II     | 2 | 40  | 06-12-2016 | 24-12-2016 | 19 | Annual Maintenance  |
| 18. | Sewa-II     | 3 | 40  | 27-12-2016 | 14-01-2017 | 19 | Annual Maintenance  |
| 19. | Uri-II      | 2 | 60  | 24-11-2016 | 13-12-2016 | 20 | Annual Maintenance  |
| 20. | Uri-II      | 3 | 60  | 17-12-2016 | 05.01.2017 | 20 | Annual Maintenance  |
| 21. | Parbati-III | 2 | 130 | 21-12-2016 | 14.01.2017 | 25 | Annual Maintenance  |
| 22. | Parbati-III | 3 | 130 | 15-11-2016 | 29-12-2016 | 45 | Capital Maintenance |
| 23. | Dulhasti    | 1 | 130 | 01-12-2016 | 20-12-2016 | 20 | Annual Maintenance  |
| 24. | Dulhasti    | 2 | 130 | 22-12-2016 | 10-01-2017 | 20 | Annual Maintenance  |

**APL**

| S.No. | Station    | Unit No. | Capacity | Date of Start | Date of Completion | No. of Days | Remarks            |
|-------|------------|----------|----------|---------------|--------------------|-------------|--------------------|
| 1.    | APL MUNDRA | 1        | -        | 26.11.2016    | 20.12.2016         | 25          | Annual Maintenance |

**All outages are approved tentatively subject to grid conditions**

**APPROVED OUTAGE OF NLDC OVERSIGHT TRANSMISSION LINES FOR THE MONTH OF DECEMBER, 2016**  
**ALL OUTAGES ARE APPROVED TENTATIVELY SUBJECT TO GRID CONDITIONS AND SPECIFIC REMARKS**

ANNEXURE 2(A)

| S.N. | NAME OF REQUESTING AGENCY | LINE DETAILS    |          |          |       |        |                    | DAILY/CONTINUOUS | REASON   | APPROVED DATE AND TIME |       |          |       | REMARKS   |
|------|---------------------------|-----------------|----------|----------|-------|--------|--------------------|------------------|--|------------------------|-------|----------|-------|---|
|      |                           | VOLT LEVEL (KV) | FROM S/S | TO S/S   | OWNER | CKT ID | INTER/INTRA REGION |                  |  | FROM                   |       | TO       |       |   |
|      |                           |                 |          |          |       |        |                    |                  |  | DATE                   | TIME  | DATE     | TIME  |   |
|      |                           |                 |          |          |       |        |                    |                  |  |                        |       |          |       |   |
| 1    | PGCIL                     | 800             | AGRA     | BNC      | PGCIL | I      | INTER              | DAILY            | 400kv D/C Agra(UP)-Agra(S) line & OPGW stringing in diamond formation.     | 02-12-16               | 08:00 | 02-12-16 | 18:00 |   |
| 2    | PGCIL                     | 800             | AGRA     | BNC      | PGCIL | II     | INTER              | DAILY            | 400kv D/C Agra(UP)-Agra(S) line & OPGW stringing in diamond formation.     | 02-12-16               | 08:00 | 02-12-16 | 18:00 |   |
| 3    | PGCIL                     | 800             | AGRA     | BNC      | PGCIL | I      | INTER              | DAILY            | System testing in integration with Pole-1 (Power Flow Test)-Multi-Terminal | 14-12-16               | 08:00 | 21-12-16 | 18:00 |   |
| 4    | PGCIL                     | 800             | AGRA     | BNC      | PGCIL | II     | INTER              | Cont             | Integration of Pole-4 w.r.t Pole-2   | 26-12-16               | 08:00 | 28-12-16 | 18:00 | OCC deliberated and approved the outage subject to the reasons for applying outage be detailed upon prior to approval by NRLDC in real time                               |
| 5    | PGCIL                     | 765             | AGRA     | GWALIOR  | PGCIL | I      | INTER              | DAILY            | 400kv D/C Agra(UP)-Agra(S) line & OPGW stringing in diamond formation.     | 01-12-16               | 08:00 | 01-12-16 | 17:00 |   |
| 6    | PGCIL                     | 765             | AGRA     | GWALIOR  | PGCIL | II     | INTER              | DAILY            | 400kv D/C Agra(UP)-Agra(S) line & OPGW stringing in diamond formation.     | 04-12-16               | 08:00 | 04-12-16 | 17:00 |   |
| 7    | PGCIL                     | 765             | AGRA     | GR.NOIDA | PGCIL | I      | INTRA              | Cont             | 400kv D/C Agra(UP)-Agra(S) line & OPGW stringing in diamond formation.     | 08-12-16               | 08:00 | 08-12-16 | 17:00 |   |
| 8    | PGCIL                     | 400             | SING     | ANPARA   | PGCIL | I      | INTRA              | DAILY            | Installation of Polymer insulators.  | 20-12-16               | 08:00 | 25-12-16 | 18:00 | OCC opined that if outage is granted it would lead to backing down at Singraukli-Rihand Complex.OCC advised that this outage be planned with Machine outage at Singrauli. |

|    |                  |     |          |          |       |    |       |       |  |          |       |          |       |  |
|----|------------------|-----|----------|----------|-------|----|-------|-------|--|----------|-------|----------|-------|--|
| 9  | PGCIL            | 765 | MAINPURI | BARA     | UPPCL | I  | INTRA | DAILY | 400kv D/C All-d-Kanpur(GIS) line stringing work.   | 10-12-16 | 08:00 | 10-12-16 | 18:00 |  |
| 10 | SLDC - RAJASTHAN | 220 | KOTA     | BADOD    | RAJ   |    | INTRA | Cont  | To replace severely deteriorated twin Zebra 220 KV A-Bus, R Phase conductor under 220 KV RAPP-1 and 220 KV Barod bay at 220 KV GSS Sakatpura, Kota | 08-12-16 | 07:00 | 09-12-16 | 18:00 |  |
| 11 | SLDC - RAJASTHAN | 765 | ANTA     | PHAGI    | RAJ   | II | INTRA | DAILY | 1. Tightening of clamps & connectors of droppers from High/jack bus to equipment<br>2. Measurement of Tan-delta of bushings of Reactors.           | 26-12-16 | 10:00 | 27-12-16 | 18:00 |  |
| 12 | PGCIL            | 765 | FATEHPUR | SASARAM  | PGCIL |    | INTRA | DAILY | Replacing jumper, NGR bypassing, bay AMP at Fatehpur   | 03-12-16 | 09:30 | 03-12-16 | 18:00 |  |
| 13 | PGCIL            | 765 | FATEHPUR | GAYA     | PGCIL |    | INTRA | DAILY | Commissioning of NGR Bypassing CB  | 08-12-16 | 09:30 | 08-12-16 | 18:00 |  |
| 14 | PGCIL            | 765 | LUCK     | BAREILLY | PGCIL |    | INTRA | DAILY | AMP work on 400kv 80MVAR Singrauli-Fatehpur line Reactor, Fatehpur. Tightening of jumpers and rectification work also to be done                   | 21-11-16 | 09:30 | 25-11-16 | 18:00 |  |
| 15 | PGCIL            | 765 | FATEHPUR | AGRA     | PGCIL | I  | INTRA | DAILY | Commissioning of NGR Bypassing CB at Fatehpur, S/D twice for one hour each IN this duration AMP of line also to be done                            | 04-12-16 | 08:00 | 04-12-16 | 18:00 |  |
| 16 | PGCIL            | 765 | FATEHPUR | AGRA     | PGCIL | II | INTRA | DAILY | Commissioning of NGR Bypassing CB at Fatehpur, S/D twice for one hour each IN this duration AMP of line also to be done                            | 02-12-16 | 08:00 | 02-12-16 | 18:00 |  |
| 17 | PGCIL            | 500 | RIHAND   | DADRI    | PGCIL | I  | INTRA | DAILY | For attending the balance polymer replacement work in HVDC Rihand-Dadri  | 05-12-16 | 08:00 | 09-12-16 | 17:00 |  |
| 18 | PGCIL            | 500 | RIHAND   | DADRI    | PGCIL | II | INTRA | DAILY | For attending the balance polymer replacement work in HVDC Rihand-Dadri  | 10-12-16 | 08:00 | 11-12-16 | 17:00 |  |

|    |              |     |          |         |       |    |       |       |  |          |       |          |       |   |
|----|--------------|-----|----------|---------|-------|----|-------|-------|--|----------|-------|----------|-------|---|
| 19 | PGCIL        | 500 | BALIA    | BHIWADI | PGCIL | I  | INTRA | DAILY | Insulator cleaning work  | 07-12-16 | 08:00 | 08-12-16 | 18:00 |   |
| 20 | PGCIL        | 500 | BALIA    | BHIWADI | PGCIL | II | INTRA | DAILY | Insulator cleaning work  | 09-12-16 | 08:00 | 10-12-16 | 18:00 |   |
| 21 | SLDC-UP      | 400 | ANPARA C | UNNAO   | UPPCL |    | INTRA | DAILY | For routine testing (timing and DCRM) of Unnao Anpara C line bay CB no 04&05 | 14-12-16 | 08:00 | 14-12-16 | 18:00 |   |
| 22 | PGCIL        | 765 | AGRA     | G.NOIDA | PGCIL |    | INTRA | DAILY | 400V D/C Agra(UP)-Agra(s) LINE &OPGW stringing in diamond formation          | 08-12-16 | 08:00 | 08-12-16 | 18:00 |   |
| 23 | PGCIL        | 765 | MOGA     | MEERUT  | PGCIL |    | INTRA | DAILY | For Under crossing of 400KV Dadri-Malerkotla LILO at Kaithal                 | 08-12-16 | 10:00 | 08-12-16 | 17:00 |   |
| 24 | SLDC-HARYANA | 765 | BHIWANI  | MOGA    | PGCIL |    | INTRA | DAILY | For crossing of 400KC Jind_Kirori Line                                       | 29-11-16 | 10:00 | 29-11-16 | 18:00 | <b>OCC deliberated and approved the outage subject to the consent and coordination with PowerGrid</b> |



## APPROVED OUTAGE OF TRANSMISSION LINES FOR THE MONTH OF DECEMBER, 2016

ALL OUTAGES APPROVED TENTATIVELY SUBJECT TO GRID CONDITIONS AND SPECIFIC REMARKS

ANNEXURE 2(B)

| Sno | Request By                | Element Name                       | Owner Name    | Corridor Name | Mode       | Reasons   | From Date       | From Time | To Date    | To Time |
|-----|---------------------------|------------------------------------|---------------|---------------|------------|---|-----------------|-----------|------------|---------|
|     |                           |                                    |               |               |            |   | Approved Detail |           |            |         |
| 1   | SLDC_UP [ UTTAR PRADESH ] | Bareilly-Unnao 2(400 kV)           | Uttar Pradesh | NA            | Daily      | Lopping Chopping of trees and replacement of disc Insulator with Polymer Insulator  | 13-12-2016      | 08:00     | 17-12-2016 | 18:00   |
| 2   | SLDC_UP [ UTTAR PRADESH ] | Bareilly-Unnao 1(400 kV)           | Uttar Pradesh | NA            | Daily      | Lopping Chopping of trees and replacement of disc Insulator with Polymer Insulator  | 18-12-2016      | 08:00     | 24-12-2016 | 18:00   |
| 3   | SLDC_UP [ UTTAR PRADESH ] | Agra-Unnao(400 kV)                 | Uttar Pradesh | NA            | Continuous | For oil centrifuging work of 50 MVAR reactor. No supply loss as S/S will be fed by Fatehabad I,II & PG-II. <b>OCC deliberated and approved the outage subject to the fact that during outage Reactor will remain out but the line will remain charged</b> | 08-12-2016      | 09:00     | 12-12-2016 | 17:00   |
| 4   | SLDC_UP [ UTTAR PRADESH ] | Mandola-Meerut 1(400 kV)           | Powergrid     | NA            | Daily      | Stringing of 400 kV D/C Quad Moose Hapur - Ataur Line   | 01-12-2016      | 09:00     | 02-12-2016 | 17:00   |
| 5   | SLDC_UP [ UTTAR PRADESH ] | Mandola-Meerut 2(400 kV)           | Powergrid     | NA            | Daily      | Stringing of 400 kV D/C Quad Moose Hapur - Ataur Line   | 01-12-2016      | 09:00     | 02-12-2016 | 17:00   |
| 6   | SLDC_UP [ UTTAR PRADESH ] | Dadri(NTPC)-Loni(DTL)-1(440 kV)    | Delhi         | NA            | Daily      | Stringing of 400 kV D/C Quad Moose Hapur - Ataur Line   | 13-12-2016      | 09:00     | 14-12-2016 | 17:00   |
| 7   | SLDC_UP [ UTTAR PRADESH ] | Dadri(NTPC)-Loni(DTL)-2(440 kV)    | Delhi         | NA            | Daily      | Stringing of 400 kV D/C Quad Moose Hapur - Ataur Line OCC deliberated and app   | 13-12-2016      | 09:00     | 14-12-2016 | 17:00   |
| 8   | SLDC_UP [ UTTAR PRADESH ] | Dadri(NTPC)-Malerkotla(PG)(400 kV) | Powergrid     | NA            | Daily      | Stringing of 400 kV D/C Quad Moose Hapur - Ataur Line <b>OCC deliberated and approved the shutdown subject to consent of DTL in real time</b>   | 21-12-2016      | 09:00     | 22-12-2016 | 17:00   |
| 9   | SLDC_UP [ UTTAR PRADESH ] | Dadri(NTPC)-Mandola(PG) 1(400 kV)  | Powergrid     | B1            | Daily      | Stringing of 400 kV D/C Quad Moose Hapur - Ataur Line <b>OCC deliberated and approved the shutdown subject to consent of DTL in real time</b>   | 29-12-2016      | 09:00     | 30-12-2016 | 17:00   |
| 10  | SLDC_UP [ UTTAR PRADESH ] | Allahabad-Fatehpur 3(400 kV)       | Powergrid     | A3            | Daily      | For stringing of conductor of under construction 400KV Allahabad-Banda line.  | 01-12-2016      | 08:00     | 02-12-2016 | 18:00   |
| 11  | SLDC_UP [ UTTAR PRADESH ] | Bareilly(PG)-Lucknow(UP)(400 kV)   | Powergrid     | NA            | Daily      | FOR ROUTINE T&C TESTING & BAY MAINTENANCE WORKS <b>OCC deliberated and approved the shut down subject to it being clubbed with PowerGrid outage</b>   | 05-12-2016      | 09:00     | 05-12-2016 | 18:00   |

|    |                           |   |               |    |            |   |            |       |            |       |
|----|---------------------------|---|---------------|----|------------|---|------------|-------|------------|-------|
| 12 | SLDC_UP [ UTTAR PRADESH ] | Dadri(NTPC)-Muradnagar(UP)(400 kV)          | Powergrid     | NA | Daily      | Stringing of 400 kV D/C Quad Moose Hapur -<br>Ataur Line  | 07-12-2016 | 09:00 | 08-12-2016 | 17:00 |
| 13 | SLDC_UP [ UTTAR PRADESH ] | Kanpur(PG)-Panki(UP) 1(400 kV)              | Powergrid     | NA | Daily      | For routine testing & maintenance work. <b>OCC<br/>deliberated and approved the shut down<br/>subject to it being clubbed with<br/>PowerGrid outage</b>                     | 09-12-2016 | 08:00 | 09-12-2016 | 18:00 |
| 14 | SLDC_UP [ UTTAR PRADESH ] | Kanpur(PG)-Panki(UP) 2(400 kV)              | Powergrid     | NA | Daily      | For routine testing & maintenance work. <b>OCC<br/>deliberated and approved the shut down<br/>subject to it being clubbed with<br/>PowerGrid outage</b>                     | 10-12-2016 | 08:00 | 10-12-2016 | 18:00 |
| 15 | SLDC_UP [ UTTAR PRADESH ] | 400kV G.Noida(UP)-<br>Nawada(HVPNL)(400 kV) | Powergrid     | B1 | Daily      | For stringing Crossing of 400KV Jahangirpur<br>Greater Noida line   | 10-12-2016 | 08:00 | 11-12-2016 | 18:00 |
| 16 | SLDC_UP [ UTTAR PRADESH ] | Dadri(NTPC)-Maharanibagh(PG)(400 kV)        | Powergrid     | B1 | Daily      | For stringing Crossing of 400KV Jahangirpur<br>Greater Noida line   | 10-12-2016 | 08:00 | 11-12-2016 | 18:00 |
| 17 | SLDC_UP [ UTTAR PRADESH ] | Lucknow(PG)-Lucknow(UP)(400 kV)             | Powergrid     | NA | Daily      | Checking & tightening of Jumpers and<br>cleaning of disc insulator  | 14-12-2016 | 08:00 | 15-12-2016 | 18:00 |
| 18 | SLDC_UP [ UTTAR PRADESH ] | Gorakhpur II(UP)-Tanda(NTPC)(220 kV)        | Uttar Pradesh | NA | Daily      | For insulator disc cleaning   | 01-12-2016 | 08:00 | 04-12-2016 | 18:00 |
| 19 | SLDC_UP [ UTTAR PRADESH ] | Lucknow(PG)-Sultanpur(UP)(400 kV)           | Uttar Pradesh | NA | Daily      | Replacement of Disc Insulator by Polymer<br>Insulator, Lopping & Chopping of tree<br>branches and Other M&R Works   | 04-12-2016 | 08:00 | 10-12-2016 | 18:00 |
| 20 | SLDC_UP [ UTTAR PRADESH ] | Gazipur(DTL)-Noida sec 62(UP)(220 kV)       | Uttar Pradesh | NA | Continuous | For height raising near U.P.Gate N.H.24<br>Crossing as required by GDA Elevated<br>Road)  | 05-12-2016 | 08:00 | 15-12-2016 | 18:00 |
| 21 | SLDC_UP [ UTTAR PRADESH ] | Napp(NPC)-Simbholi(UP)(220 kV)              | Uttar Pradesh | NA | Daily      | Replacement of disc insulator by polymer<br>string. <b>OCC deliberated and approved the<br/>outage subject to consent of NAPP</b>   | 07-12-2016 | 08:00 | 10-12-2016 | 18:00 |
| 22 | SLDC_UP [ UTTAR PRADESH ] | Azamgarh-Mau(400 kV)                        | Uttar Pradesh | A1 | Daily      | Commissioning of Bus Bar Protection panel<br>by Service Engineer & general tightening of<br>bay   | 09-12-2016 | 08:00 | 09-12-2016 | 18:00 |
| 23 | SLDC_UP [ UTTAR PRADESH ] | Azamgarh-Gorakhpur(400 kV)                  | Uttar Pradesh | A1 | Daily      | Commissioning of Bus Bar Protection panel<br>by Service Engineer & general tightening of<br>bay   | 10-12-2016 | 08:00 | 10-12-2016 | 18:00 |
| 24 | SLDC_UP [ UTTAR PRADESH ] | Azamgarh-Sultanpur(400 kV)                  | Uttar Pradesh | A1 | Daily      | Insulator, Lopping & Chopping of tree<br>branches. and Other M&R Works Routine<br>Testing & Commissioning of Bus Bar  | 11-12-2016 | 08:00 | 15-12-2016 | 18:00 |
| 25 | SLDC_UP [ UTTAR PRADESH ] | Napp(NPC)-Sambhal(UP)(220 kV)               | Uttar Pradesh | NA | Continuous | For erection & commissioning of Main-1 &<br>Main-II type, Distance protection relay<br>panel. <b>OCC deliberated and approved the<br/>outage subject to consent of NAPP</b> | 15-12-2016 | 08:00 | 16-12-2016 | 18:00 |

|    |                           |   |               |    |            |   |            |       |            |       |
|----|---------------------------|---|---------------|----|------------|---|------------|-------|------------|-------|
| 26 | SLDC_UP [ UTTAR PRADESH ] | Obra-Sultanpur(400 kV)                    | Uttar Pradesh | NA | Daily      | 1. For dismantling of 54 Mtr. Span of 400KV Transfer Bus. 2. Replacement of Disc Insulator by Polymer Insulator, Lopping & Chopping of tree branches. <b>OCC deliberated and approved the outage subject to it being combined with outage at Sr No 32</b> | 16-12-2016 | 08:00 | 20-12-2016 | 18:00 |
| 27 | SLDC_UP [ UTTAR PRADESH ] | Rai Bareilly(PG)-Unchahar(NTPC) 1(220 kV) | Uttar Pradesh | NA | Daily      | Lopping & Chopping of tree branches, Tightening of Jumpers & other M&R works  | 18-12-2016 | 08:00 | 20-12-2016 | 18:00 |
| 28 | SLDC_UP [ UTTAR PRADESH ] | Bareilly(UP)-Pantnagar(UTT)(220 kV)       | Uttar Pradesh | NA | Daily      | For T&C Testing, cleaning of Isolator and tightening of jumpers. Bus will not be under shutdown. <b>OCC deliberated and approved the outage subject to consent of Uttrakhand</b>  | 21-12-2016 | 08:00 | 21-12-2016 | 18:00 |
| 29 | SLDC_UP [ UTTAR PRADESH ] | Dadri(NTPC)-Mandola(PG) 2(400 kV)         | Powergrid     | B1 | Daily      | Stringing of 400 kV D/C Quad Moose Hapur - Ataur Line   | 29-12-2016 | 09:00 | 30-12-2016 | 17:00 |
| 30 | SLDC_UP [ UTTAR PRADESH ] | Rai Bareilly(PG)-Unchahar(NTPC) 2(220 kV) | Uttar Pradesh | NA | Daily      | Lopping & Chopping of tree branches, Tightening of Jumpers & other M&R works  | 21-12-2016 | 08:00 | 22-12-2016 | 18:00 |
| 31 | SLDC_UP [ UTTAR PRADESH ] | Sultanpur(UP)-Tanda(NTPC) 1(220 kV)       | Uttar Pradesh | NA | Daily      | Lopping & Chopping of tree branches, & other M&R works  | 24-12-2016 | 08:00 | 26-12-2016 | 18:00 |
| 32 | SLDC_UP [ UTTAR PRADESH ] | Obra-Sultanpur(400 kV)                    | Uttar Pradesh | NA | Daily      | For stringing of R,Y,B Phase 54 Mtr. Span of 400KV Transfer Bus <b>OCC deliberated and approved the outage subject to it being combined with outage at Sr No 26</b>   | 27-12-2016 | 08:00 | 28-12-2016 | 18:00 |
| 33 | SLDC_UP [ UTTAR PRADESH ] | Muzaffarnagar-Vishnuprayag 1(400 kV)      | Uttar Pradesh | NA | Daily      | For replacement of Disc Insulator with Polymer Insulator.   | 16-12-2016 | 09:00 | 30-12-2016 | 18:00 |
| 34 | SLDC_UP [ UTTAR PRADESH ] | Mainpuri-Orai(400 kV)                     | Uttar Pradesh | NA | Continuous | For lilo of 400 kV Orai- Mainpuri (PG) at 765/400 kV Mainpuri (SEUPPTCL) SS   | 14-12-2016 | 09:00 | 15-12-2016 | 18:00 |
| 35 | SLDC_UP [ UTTAR PRADESH ] | Lucknow-Unnao(400 kV)                     | Uttar Pradesh | NA | Daily      | Checking & tightening of Jumpers and cleaning of disc insulator   | 06-12-2016 | 08:00 | 07-12-2016 | 18:00 |
| 36 | SLDC_UP [ UTTAR PRADESH ] | Muzaffarnagar-Srinagar (400KV)            | Uttar Pradesh | NA | Daily      | For replacement of disc insulators with Polymer insulator during shut down Muzaffarnagar-Vishnuprayag line will remain in service.  | 01-12-2016 | 09:00 | 15-12-2016 | 18:00 |
| 37 | SLDC_UP [ UTTAR PRADESH ] | Fatehabad -Muradnagar (400KV)             | Uttar Pradesh | NA | Daily      | For stringing of earth wire and other maintaince work of bay and line. <b>OCC deliberated and approved the outage for the balance work left for a period of two days</b>  | 03-12-2016 | 08:00 | 05-12-2016 | 18:00 |



|    |                                  |   |             |    |            |  |            |       |            |       |
|----|----------------------------------|---|-------------|----|------------|--|------------|-------|------------|-------|
| 48 | NTPC [ DELHI ]                   | Rihand HVDC(PG)-Rihand(NTPC) 1(400 kV)        | NTPC        | A2 | Continuous | Replacement of >20 years old CTs, Maintenance of bay equipments and Testing. <b>OCC deliberated and approved the outage subject to it being clubbed with the outage of machine at Rihand</b> | 09-12-2016 | 08:00 | 10-12-2016 | 18:00 |
| 49 | NTPC [ DELHI ]                   | Rihand HVDC(PG)-Rihand(NTPC) 2(400 kV)        | NTPC        | A2 | Continuous | Replacement of >20 years old CTs, Maintenance of bay equipments and Testing. <b>OCC deliberated and approved the outage subject to it being clubbed with the outage of machine at Rihand</b> | 13-12-2016 | 08:00 | 14-12-2016 | 18:00 |
| 50 | NTPC [ DELHI ]                   | Singrauli(NTPC)-Vindhyachal BtB(PG) 2(220 kV) | Powergrid   | A2 | Continuous | Maintenance of bay equipments and Testing  | 08-12-2016 | 08:00 | 08-12-2016 | 18:00 |
| 51 | NTPC [ DELHI ]                   | Kanpur(PG)-Unchahar(NTPC) 3(220 kV)           | Powergrid   | NA | Daily      | Erection work for inter connection between 220KV and 400KV switchyards at NTPC Unchahar. Simultaneous shutdown of both Kanpur lines 3 &4 required.   | 01-12-2016 | 09:00 | 01-12-2016 | 18:00 |
| 52 | NTPC [ DELHI ]                   | Singrauli(NTPC)-Vindhyachal BtB(PG) 1(400 kV) | Powergrid   | A2 | Continuous | Maintenance of bay equipments and Testing  | 09-12-2016 | 08:00 | 09-12-2016 | 18:00 |
| 53 | SLDC_UTTARAKHAND [ UTTARAKHAND ] | 400KV ROORKI-MUZFRNGR(400 kV)                 | Uttarakhand | NA | Daily      | Changing the polymer insulator strings on LILO portion near Muzaffarnagar Substation.  | 01-12-2016 | 08:00 | 15-12-2016 | 17:00 |
| 54 | SLDC_UTTARAKHAND [ UTTARAKHAND ] | Kashipur-Rishikesh(400 kV)                    | Uttarakhand | NA | Daily      | Tightening of clamps & lopping chopping of trees.  | 20-12-2016 | 08:00 | 20-12-2016 | 17:00 |
| 55 | SLDC_UTTARAKHAND [ UTTARAKHAND ] | Rishikesh(UTT)-Roorkee(PG)(220 kV)            | Uttarakhand | NA | Daily      | Lopping Chopping of tree branches.   | 26-12-2016 | 09:00 | 26-12-2016 | 12:00 |
| 56 | SLDC_DELHI [ DELHI ]             | Bawana(DTL)-Dipalpur(HVPNL)(400 kV)           | Powergrid   | NA | Daily      | Annual Maintenance and tan delta testing as per OS manual <b>OCC deliberated and approved the outage subject to it being clubbed with the outage of Power Grid</b>                           | 16-12-2016 | 09:30 | 16-12-2016 | 17:30 |
| 57 | SLDC_DELHI [ DELHI ]             | Narela(DTL)-Rohtakroad(BBMB) 2(220 kV)        | BBMB        | NA | Continuous | To carry out the overhauling of CB at Narela end <b>.OCC deliberated and approved the outage subject to consent of BBMB</b>  | 05-12-2016 | 09:30 | 09-12-2016 | 17:30 |
| 58 | SLDC_DELHI [ DELHI ]             | Abdullapur(PG)-Bawana(DTL) 1(400 kV)          | Powergrid   | D  | Daily      | Annual Maintenance and tan delta testing as per OS manual. <b>OCC deliberated and approved the outage subject to it being clubbed with the outage of Power Grid</b>                          | 15-12-2016 | 09:30 | 15-12-2016 | 17:30 |

|    |                          |  |           |    |            |  |            |       |            |       |
|----|--------------------------|--|-----------|----|------------|--|------------|-------|------------|-------|
| 59 | SLDC_DELHI [ DELHI ]     | Ballabgarh(PG)-Bamnauli(DTL) 1(400 kV)       | Delhi     | B1 | Daily      | To carry out CT/CVT testing and general maintenance, tightening of line jumpers at tension towers.                                 | 19-12-2016 | 09:30 | 19-12-2016 | 17:30 |
| 60 | NHPC [ DELHI ]           | Salal(NHPC)-Kishenpur(PG) 1(220 kV)          | Powergrid | NA | Continuous | Annual Maintenance of Bus-B and EHV equipments of feeders  | 19-12-2016 | 09:00 | 19-12-2016 | 18:00 |
| 61 | NHPC [ DELHI ]           | Salal(NHPC)-Jammu(JK) 1(220 kV)              | Powergrid | NA | Continuous | Annual Maintenance of Bus-A and EHV equipments of feeders  | 14-12-2016 | 09:00 | 14-12-2016 | 18:00 |
| 62 | NHPC [ DELHI ]           | Salal(NHPC)-Kishenpur(PG) 4(220 kV)          | Powergrid | NA | Continuous | Annual Maintenance of Bus-A and EHV equipments of feeders  | 12-12-2016 | 09:00 | 12-12-2016 | 18:00 |
| 63 | NHPC [ DELHI ]           | Salal(NHPC)-Kishenpur(PG) 1(220 kV)          | Powergrid | NA | Continuous | Annual Maintenance of Bus-A and EHV equipments of feeders  | 05-12-2016 | 09:00 | 05-12-2016 | 18:00 |
| 64 | NHPC [ DELHI ]           | Salal(NHPC)-Kishenpur(PG) 2(220 kV)          | Powergrid | NA | Continuous | Annual Maintenance of Bus-A and EHV equipments of feeders  | 07-12-2016 | 09:00 | 07-12-2016 | 18:00 |
| 65 | NHPC [ DELHI ]           | Salal(NHPC)-Kishenpur(PG) 3(220 kV)          | Powergrid | NA | Continuous | Annual Maintenance of Bus-A and EHV equipments of feeders  | 09-12-2016 | 09:00 | 09-12-2016 | 18:00 |
| 66 | NHPC [ DELHI ]           | Salal(NHPC)-Kishenpur(PG) 2(220 kV)          | Powergrid | NA | Continuous | Annual Maintenance of Bus-B and EHV equipments of feeders  | 21-12-2016 | 09:00 | 21-12-2016 | 18:00 |
| 67 | NHPC [ DELHI ]           | Salal(NHPC)-Kishenpur(PG) 3(220 kV)          | Powergrid | NA | Continuous | Annual Maintenance of Bus-B and EHV equipments of feeders  | 23-12-2016 | 09:00 | 23-12-2016 | 18:00 |
| 68 | NHPC [ DELHI ]           | Salal(NHPC)-Kishenpur(PG) 4(220 kV)          | Powergrid | NA | Continuous | Annual Maintenance of Bus-B and EHV equipments of feeders  | 26-12-2016 | 09:00 | 26-12-2016 | 18:00 |
| 69 | NHPC [ DELHI ]           | Salal(NHPC)-Jammu(JK) 1(220 kV)              | Powergrid | NA | Continuous | Annual Maintenance of Bus-B and EHV equipments of feeders. <b>OCC deliberated and approved the outage subject to consent of JK</b> | 28-12-2016 | 09:00 | 28-12-2016 | 18:00 |
| 70 | NHPC [ DELHI ]           | Salal(NHPC)-Jammu(JK) 2(220 kV)              | Powergrid | NA | Continuous | Major overhauling of 245 KV SF-6 HVCB . <b>OCC deliberated and approved the outage subject to consent of JK</b>                    | 15-12-2016 | 09:00 | 17-12-2016 | 18:00 |
| 71 | SLDC_HARYANA [ HARYANA ] | Hisar-Moga(400 kV)                           | Powergrid | D  | Daily      | For crossing of 400 kV Jind - kirori line  | 21-11-2016 | 08:00 | 21-11-2016 | 18:00 |
| 72 | SLDC_HARYANA [ HARYANA ] | Fatehabad-Hisar(400 kV)                      | Powergrid | D  | Daily      | For crossing of 400 kV Jind - kirori line  | 21-11-2016 | 08:00 | 21-11-2016 | 18:00 |
| 73 | SLDC_HARYANA [ HARYANA ] | Bhiwadi-Moga (Hissar-Moga Section) 1(400 kV) | Powergrid | NA | Daily      | For crossing of 400 kV Jind - kirori line  | 23-11-2016 | 08:00 | 23-11-2016 | 18:00 |
| 74 | SLDC_HARYANA [ HARYANA ] | Bhiwadi-Moga (Hissar-Moga Section) 2(400 kV) | Powergrid | NA | Daily      | For crossing of 400 kV Jind - kirori line  | 23-11-2016 | 08:00 | 23-11-2016 | 18:00 |

|    |                          |  |         |        |       |   |            |       |            |       |
|----|--------------------------|--|---------|--------|-------|---|------------|-------|------------|-------|
| 75 | SLDC_HARYANA [ HARYANA ] | Daultabad-Dhanonda ckt-1(400 kV)         | Haryana | D      | Daily | Tightening of jumpers / Spacer and disc cleaning to be carried upon on priority basis, work order issued. | 01-12-2016 | 08:00 | 01-12-2016 | 18:00 |
| 76 | SLDC_HARYANA [ HARYANA ] | Daultabad-Dhanonda ckt-2(400 kV)         | Haryana | D      | Daily | Tightening of jumpers / Spacer and disc cleaning to be carried upon on priority basis, work order issued. | 02-12-2016 | 08:00 | 02-12-2016 | 18:00 |
| 77 | SLDC_HARYANA [ HARYANA ] | Daultabad-Dhanonda ckt-1(400 kV)         | Haryana | D      | Daily | Tightening of jumpers / Spacer and disc cleaning to be carried upon on priority basis, work order issued. | 03-12-2016 | 08:00 | 03-12-2016 | 18:00 |
| 78 | SLDC_HARYANA [ HARYANA ] | Daultabad-Dhanonda ckt-1(400 kV)         | Haryana | D      | Daily | Tightening of jumpers / Spacer and disc cleaning to be carried upon on priority basis, work order issued. | 05-12-2016 | 08:00 | 05-12-2016 | 18:00 |
| 79 | SLDC_HARYANA [ HARYANA ] | Daultabad-Dhanonda ckt-1(400 kV)         | Haryana | D      | Daily | Tightening of jumpers / Spacer and disc cleaning to be carried upon on priority basis, work order issued. | 07-12-2016 | 08:00 | 07-12-2016 | 18:00 |
| 80 | SLDC_HARYANA [ HARYANA ] | Daultabad-Dhanonda ckt-1(400 kV)         | Haryana | D      | Daily | Tightening of jumpers / Spacer and disc cleaning to be carried upon on priority basis, work order issued. | 09-12-2016 | 08:00 | 09-12-2016 | 18:00 |
| 81 | SLDC_HARYANA [ HARYANA ] | Daultabad-Dhanonda ckt-1(400 kV)         | Haryana | D      | Daily | Tightening of jumpers / Spacer and disc cleaning to be carried upon on priority basis, work order issued. | 11-12-2016 | 08:00 | 11-12-2016 | 18:00 |
| 82 | SLDC_HARYANA [ HARYANA ] | Daultabad-Dhanonda ckt-2(400 kV)         | Haryana | D      | Daily | Tightening of jumpers / Spacer and disc cleaning to be carried upon on priority basis, work order issued. | 04-12-2016 | 08:00 | 04-12-2016 | 18:00 |
| 83 | SLDC_HARYANA [ HARYANA ] | Daultabad-Dhanonda ckt-2(400 kV)         | Haryana | D      | Daily | Tightening of jumpers / Spacer and disc cleaning to be carried upon on priority basis, work order issued. | 06-12-2016 | 08:00 | 06-12-2016 | 18:00 |
| 84 | SLDC_HARYANA [ HARYANA ] | Daultabad-Dhanonda ckt-2(400 kV)         | Haryana | D      | Daily | Tightening of jumpers / Spacer and disc cleaning to be carried upon on priority basis, work order issued. | 08-12-2016 | 08:00 | 08-12-2016 | 18:00 |
| 85 | SLDC_HARYANA [ HARYANA ] | Daultabad-Dhanonda ckt-2(400 kV)         | Haryana | D      | Daily | Tightening of jumpers / Spacer and disc cleaning to be carried upon on priority basis, work order issued. | 10-12-2016 | 08:00 | 10-12-2016 | 18:00 |
| 86 | SLDC_HARYANA [ HARYANA ] | Daultabad-Dhanonda ckt-2(400 kV)         | Haryana | D      | Daily | Tightening of jumpers / Spacer and disc cleaning to be carried upon on priority basis, work order issued. | 12-12-2016 | 08:00 | 12-12-2016 | 18:00 |
| 87 | SLDC_HARYANA [ HARYANA ] | Dipalpur-Kabulpur 1(400 kV)              | Haryana | D      | Daily | For checking and cleaning of porcelain insulators   | 02-12-2016 | 09:00 | 02-12-2016 | 17:00 |
| 88 | SLDC_HARYANA [ HARYANA ] | Dipalpur-Kabulpur 2(400 kV)              | Haryana | D      | Daily | For checking and cleaning of porcelain insulators   | 03-12-2016 | 09:00 | 03-12-2016 | 17:00 |
| 89 | SLDC_HARYANA [ HARYANA ] | Daultabad(HVPNL)-Gurgaon(PG) -1 (400 kV) | Haryana | IR(WR) | Daily | Mtc of isolator, tightening nut and bolts jumpers helo pipe C/B C and CVT etc                             | 13-12-2016 | 09:00 | 13-12-2016 | 16:00 |

|     |                          |   |           |    |            |   |            |       |            |       |
|-----|--------------------------|---|-----------|----|------------|---|------------|-------|------------|-------|
| 90  | SLDC_HARYANA [ HARYANA ] | Daultabad(HVPNL)-Gurgaon(PG) -2(400 kV)   | Haryana   | D  | Daily      | Mtc of isolator, tightening nut and bolts jumpers helo pipe C/B C and CVT etc | 15-12-2016 | 09:00 | 15-12-2016 | 16:00 |
| 91  | SLDC_HARYANA [ HARYANA ] | Daultabad(HVPNL)-Jhajjar(APCPL) 1(400 kV) | Haryana   | D  | Daily      | Mtc of isolator, tightening nut and bolts jumpers helo pipe C/B C and CVT etc | 23-12-2016 | 09:00 | 23-12-2016 | 16:00 |
| 92  | SLDC_HARYANA [ HARYANA ] | Daultabad(HVPNL)-Jhajjar(APCPL) 2(400 kV) | Haryana   | D  | Daily      | Mtc of isolator, tightening nut and bolts jumpers helo pipe C/B C and CVT etc | 27-12-2016 | 09:00 | 27-12-2016 | 16:00 |
| 93  | SLDC_HARYANA [ HARYANA ] | Hisar-Kaithal 1(400 kV)                   | Powergrid | D  | Continuous | For crossing of 400 kV kV Jind - Kirori Line                                  | 15-12-2016 | 08:00 | 16-12-2016 | 18:00 |
| 94  | SLDC_HARYANA [ HARYANA ] | Hisar-Kaithal 2(400 kV)                   | Powergrid | D  | Continuous | For crossing of 400 kV kV Jind - Kirori Line                                  | 15-12-2016 | 08:00 | 16-12-2016 | 18:00 |
| 95  | SLDC_PUNJAB [ PUNJAB ]   | Shanan-Kangra Ckt-I(132 kV)               | Punjab    | NA | Daily      | Mtc. of Line.   | 01-12-2016 | 10:00 | 01-12-2016 | 16:00 |
| 96  | SLDC_PUNJAB [ PUNJAB ]   | Shanan-Kangra Ckt-II(132 kV)              | Punjab    | NA | Daily      | Mtc. of Line.   | 02-12-2016 | 10:00 | 02-12-2016 | 16:00 |
| 97  | SLDC_PUNJAB [ PUNJAB ]   | Shanan-Kangra Ckt-I(132 kV)               | Punjab    | NA | Daily      | Mtc. of Line.   | 03-12-2016 | 10:00 | 03-12-2016 | 16:00 |
| 98  | SLDC_PUNJAB [ PUNJAB ]   | Shanan-Kangra Ckt-II(132 kV)              | Punjab    | NA | Daily      | Mtc. of Line.   | 17-12-2016 | 10:00 | 17-12-2016 | 16:00 |
| 99  | SLDC_PUNJAB [ PUNJAB ]   | Shanan-Kangra Ckt-II(132 kV)              | Punjab    | NA | Daily      | Mtc. of Line.   | 28-12-2016 | 10:00 | 28-12-2016 | 16:00 |
| 100 | SLDC_PUNJAB [ PUNJAB ]   | Shanan-Kangra Ckt-I(132 kV)               | Punjab    | NA | Daily      | Mtc. of Line.   | 26-12-2016 | 10:00 | 26-12-2016 | 16:00 |
| 101 | SLDC_PUNJAB [ PUNJAB ]   | Shanan-Kangra Ckt-I(132 kV)               | Punjab    | NA | Daily      | Mtc. of Line.   | 27-12-2016 | 10:00 | 27-12-2016 | 16:00 |
| 102 | SLDC_PUNJAB [ PUNJAB ]   | Moga-Nakodar(400 kV)                      | Punjab    | NA | Daily      | Tightening of Jumpers of Deadend Towers, & Tree Cutting                       | 28-12-2016 | 10:00 | 28-12-2016 | 16:00 |
| 103 | SLDC_PUNJAB [ PUNJAB ]   | Moga-Nakodar(400 kV)                      | Punjab    | NA | Daily      | Tightening of Jumpers of Deadend Towers, & Tree Cutting                       | 23-12-2016 | 10:00 | 23-12-2016 | 16:00 |
| 104 | SLDC_PUNJAB [ PUNJAB ]   | Moga-Nakodar(400 kV)                      | Punjab    | NA | Daily      | Tightening of Jumpers of Deadend Towers, & Tree Cutting                       | 08-12-2016 | 10:00 | 08-12-2016 | 16:00 |
| 105 | SLDC_PUNJAB [ PUNJAB ]   | Rajpura - Nakodar PSTCL Ckt-I(400 kV)     | Punjab    | NA | Daily      | Tightening of Jumpers of Deadend Towers, & Tree Cutting                       | 02-12-2016 | 10:00 | 02-12-2016 | 16:00 |
| 106 | SLDC_PUNJAB [ PUNJAB ]   | Rajpura - Nakodar PSTCL Ckt-I(400 kV)     | Punjab    | NA | Daily      | Tightening of Jumpers of Deadend Towers, & Tree Cutting                       | 16-12-2016 | 10:00 | 16-12-2016 | 16:00 |



|     |                        |  |        |    |       |  |            |       |            |       |
|-----|------------------------|--|--------|----|-------|--|------------|-------|------------|-------|
| 107 | SLDC_PUNJAB [ PUNJAB ] | Rajpura - Nakodar PSTCL Ckt-II(400 kV) | Punjab | NA | Daily | Tightening of Jumpers of Deadend Towers, & Tree Cutting  | 20-12-2016 | 10:00 | 20-12-2016 | 16:00 |
| 108 | SLDC_PUNJAB [ PUNJAB ] | Rajpura - Nakodar PSTCL Ckt-II(400 kV) | Punjab | NA | Daily | Tightening of Jumpers of Deadend Towers, & Tree Cutting  | 05-12-2016 | 10:00 | 05-12-2016 | 16:00 |
| 109 | SLDC_PUNJAB [ PUNJAB ] | Hamirpur-Chohal(132 kV)                | Punjab | NA | Daily | Tightening of Jumpers of Deadend Towers, & Tree Cutting  | 06-12-2016 | 09:00 | 06-12-2016 | 17:00 |
| 110 | SLDC_PUNJAB [ PUNJAB ] | Nakodar-Makhu Ckt-I(400 kV)            | Punjab | NA | Daily | General Maintenance  | 05-12-2016 | 09:00 | 05-12-2016 | 17:00 |
| 111 | SLDC_PUNJAB [ PUNJAB ] | Nakodar-Makhu Ckt-II(400 kV)           | Punjab | NA | Daily | General Maintenance  | 07-12-2016 | 09:00 | 07-12-2016 | 17:00 |
| 112 | SLDC_PUNJAB [ PUNJAB ] | Moga-Nakodar(400 kV)                   | Punjab | NA | Daily | Tightening of Jumpers of Deadend Towers, & Tree Cutting  | 12-12-2016 | 10:00 | 12-12-2016 | 16:00 |
| 113 | SLDC_PUNJAB [ PUNJAB ] | Moga-Nakodar(400 kV)                   | Punjab | NA | Daily | Tightening of Jumpers of Deadend Towers, & Tree Cutting  | 26-12-2016 | 10:00 | 26-12-2016 | 16:00 |
| 114 | SLDC_PUNJAB [ PUNJAB ] | Mukatsar-Makhu CKT-1(400 kV)           | Punjab | NA | Daily | General Maintenance  | 12-12-2016 | 09:00 | 12-12-2016 | 17:00 |
| 115 | SLDC_PUNJAB [ PUNJAB ] | Mukatsar-Makhu CKT-2(400 kV)           | Punjab | NA | Daily | General Maintenance  | 14-12-2016 | 09:00 | 14-12-2016 | 17:00 |
| 116 | SLDC_PUNJAB [ PUNJAB ] | Makhu - Amritsar (PG) CKT-I(400 kV)    | Punjab | NA | Daily | Stringing/sagging work for shifting of 7 towers due to 4 laning work near Harike Bypass Road.                        | 15-12-2016 | 09:00 | 30-12-2016 | 17:00 |
| 117 | SLDC_PUNJAB [ PUNJAB ] | Makhu - Amritsar (PG) CKT-II(400 kV)   | Punjab | NA | Daily | Stringing/sagging work for shifting of 7 towers due to 4 laning work near Harike Bypass Road.                        | 15-12-2016 | 09:00 | 30-12-2016 | 17:00 |
| 118 | SLDC_PUNJAB [ PUNJAB ] | Mohali(PSEB)-Nalagarh(PG)-1(220 kV)    | Punjab | NA | Daily | Tightening of nut bolts of jumpers, dampers , suspension clamps and cleaning of Disc insulators of Tower No 50 to 70 | 17-12-2016 | 10:00 | 17-12-2016 | 17:00 |
| 119 | SLDC_PUNJAB [ PUNJAB ] | Talwandi Sabo-Bhalwan Ckt-1(400 kV)    | Punjab | NA | Daily | General Maintenance, Jumper tightening and Tree cutting.   | 29-12-2016 | 09:00 | 29-12-2016 | 16:00 |
| 120 | SLDC_PUNJAB [ PUNJAB ] | Kangra-Pathankot Ckt-I(132 kV)         | Punjab | NA | Daily | Maintenance of Line  | 16-12-2016 | 10:00 | 16-12-2016 | 16:00 |
| 121 | SLDC_PUNJAB [ PUNJAB ] | Kangra-Pathankot Ckt-I(132 kV)         | Punjab | NA | Daily | Maintenance of Line  | 19-12-2016 | 10:00 | 20-12-2016 | 16:00 |
| 122 | SLDC_PUNJAB [ PUNJAB ] | Kangra-Pathankot Ckt-II(132 kV)        | Punjab | NA | Daily | Maintenance of Line  | 21-12-2016 | 10:00 | 23-12-2016 | 16:00 |

|     |                              |   |           |    |            |   |            |       |            |       |
|-----|------------------------------|---|-----------|----|------------|---|------------|-------|------------|-------|
| 123 | SLDC_PUNJAB [ PUNJAB ]       | Mohali(PSEB)-Nalagarh(PG)-2(400 kV)     | Punjab    | NA | Daily      | Tightening of nut bolts of jumpers, dampers , suspension clamps and cleaning of Disc insulators of Tower No 50 to 70                                      | 19-12-2016 | 10:00 | 19-12-2016 | 17:00 |
| 124 | SLDC_PUNJAB [ PUNJAB ]       | Rajpura - Dhuri CKT-II(400 kV)          | Punjab    | NA | Daily      | Phase sequence correction work.   | 01-12-2016 | 08:00 | 01-12-2016 | 18:00 |
| 125 | SLDC_PUNJAB [ PUNJAB ]       | Rajpura - Dhuri CKT-II(400 kV)          | Punjab    | NA | Daily      | Tightening of nut bolts of jumpers, dampers , suspension clamps and cleaning of Disc insulators of Tower No 85 to 98                                      | 09-12-2016 | 11:00 | 09-12-2016 | 17:00 |
| 126 | SLDC_RAJASTHAN [ RAJASTHAN ] | BASSI(PG)-PHAGI-2(400 kV)               | Powergrid | NA | Daily      | Tightening of clamps & connectors of droppers from high / jack bus to equipments.(Phagi End)  | 06-12-2016 | 10:00 | 06-12-2016 | 18:00 |
| 127 | SLDC_RAJASTHAN [ RAJASTHAN ] | Bhilwara-Chhabra 1(400 kV)              | Rajasthan | E1 | Daily      | Routine Maintenance of 400KV Bhl-Chhabra Bay and associated equipments.   | 02-12-2016 | 09:00 | 02-12-2016 | 17:00 |
| 128 | SLDC_RAJASTHAN [ RAJASTHAN ] | Bikaner-Suratgarh(400 kV)               | Rajasthan | E1 | Daily      | Routine Bay maintenance   | 09-12-2016 | 10:00 | 09-12-2016 | 17:00 |
| 129 | SLDC_RAJASTHAN [ RAJASTHAN ] | Chabra-Hindaun II(400 kV)               | Rajasthan | E2 | Daily      | Quaterly Maintance  | 15-12-2016 | 10:00 | 15-12-2016 | 15:30 |
| 130 | SLDC_RAJASTHAN [ RAJASTHAN ] | RAPP (A )-KOTA-1 D/C(220 kV)            | Rajasthan | NA | Continuous | To replace severly detoriated twin Zebra 220 KV A-Bus , R phase conductor under 220 KV RAPP-1 and 220 KV Barod bay at 220 KV GSS Sakatpura.               | 08-12-2016 | 07:00 | 09-12-2016 | 18:00 |
| 131 | SLDC_RAJASTHAN [ RAJASTHAN ] | RAPP (B )-KOTA-2 S/C(220 kV)            | Rajasthan | NA | Daily      | To replace detoriated Circuit Breaker and CT and Bus-A isolator Clamp Connectors and to replace damaged isolator jaw fingers and male contact assembly. . | 10-12-2016 | 07:00 | 10-12-2016 | 18:00 |
| 132 | SLDC_RAJASTHAN [ RAJASTHAN ] | Badarpur(NTPC)-MIA Alwar(RVPNL)(400 kV) | Rajasthan | NA | Daily      | Illrd Quarterly Maintenance work <b>OCC deliberated and approved outage subject to consent of NTPC</b>  | 07-12-2016 | 10:00 | 07-12-2016 | 17:00 |
| 133 | SLDC_RAJASTHAN [ RAJASTHAN ] | Merta-Ratangarh(220 kV)                 | Rajasthan | E1 | Continuous | Measurement of timing of CB & maintenance work of bay equipment   | 02-12-2016 | 10:00 | 03-12-2016 | 20:00 |
| 134 | SLDC_RAJASTHAN [ RAJASTHAN ] | RAPP (A )-DEBARI(220 kV)                | Rajasthan | NA | Daily      | General Maintenance of bay and Line   | 08-12-2016 | 09:30 | 08-12-2016 | 17:00 |

|     |                               |  |           |    |            |  |            |       |            |       |
|-----|-------------------------------|--|-----------|----|------------|--|------------|-------|------------|-------|
| 135 | SLDC_RAJASTHAN [ RAJASTHAN ]  | Akal-Barmer 1(400 kV)                    | Rajasthan | E1 | Daily      | ERECTION OF G1 & G2 BEAM BY M/S TECHNO   | 13-12-2016 | 09:00 | 15-12-2016 | 18:00 |
| 136 | SLDC_RAJASTHAN [ RAJASTHAN ]  | Jodhpur II-Merta 1(400 kV)               | Rajasthan | E1 | Daily      | Illrd Quarterly Maintenance work   | 08-12-2016 | 09:00 | 08-12-2016 | 18:00 |
| 137 | SLDC_RAJASTHAN [ RAJASTHAN ]  | Akal-Jodhpur II(400 kV)                  | Rajasthan | E1 | Daily      | Illrd Quarterly Maintenance work   | 09-12-2016 | 09:00 | 09-12-2016 | 18:00 |
| 138 | SLDC_RAJASTHAN [ RAJASTHAN ]  | Agra-Bharatpur(220 kV)                   | Rajasthan | NA | Daily      | for attending the 220KV Agra-Bharatpur Inter State Line and 220KV Agra Bay Maintenance work at 220KV GSS RVPN, Bharatpur       | 16-12-2016 | 10:00 | 16-12-2016 | 17:00 |
| 139 | SLDC_RAJASTHAN [ RAJASTHAN ]  | Shree Cement(CSL)-Merta(RRVPNL)(400 kV)  | Powergrid | E1 | Daily      | Illrd Quarterly Maintenance work <b>OCC deliberated and approved outage subject to it being clubbed with Power Grid Outage</b> | 08-12-2016 | 09:00 | 08-12-2016 | 17:00 |
| 140 | SLDC_RAJASTHAN [ RAJASTHAN ]  | Jodhpur II(RVPNL)-Kankroli(PG) 1(400 kV) | Powergrid | E1 | Daily      | Illrd Quarterly Maintenance work <b>OCC deliberated and approved outage subject to it being clubbed with Power Grid Outage</b> | 15-12-2016 | 09:00 | 15-12-2016 | 18:00 |
| 141 | SLDC_HP [ HIMANCHAL PRADESH ] | Bairasiul(NHPC)-Jassure(HPSEB)(220 kV)   | Powergrid | NA | Continuous | For the purpose of Overhauling of SF-6 Gas circuit breaker of 22KV RSD- Jassure S/C feeder bay at jassure end                  | 14-12-2016 | 10    | 14-12-2016 | 17    |
| 142 | SLDC_HP [ HIMANCHAL PRADESH ] | Jassor(HP)-Pong(BBMB)(220 kV)            | BBMB      | NA | Continuous | For the purpose of Overhauling of SF-6 Gas circuit breaker of 22KV RSD- Jassure S/C feeder bay at jassure end                  | 15-12-2016 | 10    | 15-12-2016 | 17    |
| 143 | POWERGRID [ DELHI ]           | Agra(PG)-Auraiya(NTPC) 1(400 kV)         | Powergrid | A3 | Continuous | 400kv D/C Agra(UP)-Agra(S) line stringing work.  | 09-12-2016 | 09:00 | 10-12-2016 | 18:00 |
| 145 | POWERGRID [ DELHI ]           | Agra(PG)-Auraiya(NTPC) 2(400 kV)         | Powergrid | A3 | Continuous | 400kv D/C Agra(UP)-Agra(S) line stringing work.  | 09-12-2016 | 09:00 | 10-12-2016 | 18:00 |
| 146 | POWERGRID [ DELHI ]           | Bhiwani-Jind 1(400 kV)                   | Powergrid | D  | Continuous | AMP /Cleaning/Polymer replacement in Jack Bus.   | 21-12-2016 | 08:00 | 22-12-2016 | 18:00 |
| 147 | POWERGRID [ DELHI ]           | Bhiwani-Jind 2(400 kV)                   | Powergrid | D  | Continuous | AMP /Cleaning/Polymer replacement in Jack Bus.   | 23-12-2016 | 08:00 | 23-12-2016 | 18:00 |
| 148 | POWERGRID [ DELHI ]           | Bhiwani(BBMB)-Bhiwani(PG)(400 kV)        | Powergrid | NA | Continuous | AMP /Cleaning/Polymer replacement in Jack Bus.   | 25-12-2016 | 08:00 | 26-12-2016 | 19:00 |

|     |                     |  |           |    |            |   |                   |       |                   |       |
|-----|---------------------|--|-----------|----|------------|---|-------------------|-------|-------------------|-------|
| 149 | POWERGRID [ DELHI ] | Bhiwani-Hisar(400 kV)                        | Powergrid | D  | Continuous | AMP /Cleaning/Polymer replacement in Jack Bus.  | 27-12-2016        | 08:00 | 27-12-2016        | 18:00 |
| 150 | POWERGRID [ DELHI ] | Bahadurgarh - Kabulpur(400 kV)               | Powergrid | NA | Continuous | AMP /Cleaning/Polymer replacement in Jack Bus.  | 29-12-2016        | 08:00 | 29-12-2016        | 18:00 |
| 151 | POWERGRID [ DELHI ] | Bhiwadi-Neemrana 2(400 kV)                   | Powergrid | E3 | Daily      | Diversion due to DFCC Rail project.It involves erection of 01 No tower.                               | 12-12-2016        | 08:00 | 31-12-2016        | 18:00 |
| 152 | POWERGRID [ DELHI ] | Allahabad-Kanpur 2(400 kV)                   | Powergrid | A3 | Daily      | 400kv D/C Alld-Kanpur(GIS) line stringing. Insulator cleaning-Knp                                     | 01-12-2016        | 08:00 | 01-12-2016        | 18:00 |
| 153 | POWERGRID [ DELHI ] | Koteshwar Pool(PG)-Koteshwar(THDC) 1(400 kV) | Powergrid | NA | Daily      | Replacement of Isolator contacts at Koteshwar-GIS. With Bus-II S/D                                    | 03-12-2016        | 08:00 | 05-12-2016        | 18:00 |
| 154 | POWERGRID [ DELHI ] | Koteshwar Pool(PG)-Koteshwar(THDC) 2(400 kV) | Powergrid | NA | Daily      | Replacement of Isolator contacts at Koteshwar-GIS. With Bus-II S/D                                    | 06-12-2016        | 11:00 | 08-12-2016        | 18:00 |
| 155 | POWERGRID [ DELHI ] | Koteshwar Pool(PG)-Tehri(THDC) 1 (220 kV)    | Powergrid | NA | Daily      | Replacement of Isolator contacts at Koteshwar-GIS. With Bus-II S/D                                    | 10-12-2016        | 11:00 | 12-12-2016        | 18:00 |
| 156 | POWERGRID [ DELHI ] | Koteshwar Pool (PG)-Tehri(THDC) 2(220 kV)    | Powergrid | NA | Daily      | Replacement of Isolator contacts at Koteshwar-GIS. With Bus-II S/D                                    | 13-12-2016        | 09:00 | 15-12-2016        | 18:00 |
| 157 | POWERGRID [ DELHI ] | Meerut-Koteshwar Pool 1(400 kV)              | Powergrid | NA | Daily      | Replacement of Isolator contacts at Koteshwar-GIS. With Bus-II S/D                                    | 17-12-2016        | 09:00 | 19-12-2016        | 18:00 |
| 158 | POWERGRID [ DELHI ] | Meerut-Koteshwar Pool 2(220 kV)              | Powergrid | NA | Daily      | Replacement of Isolator contacts at Koteshwar-GIS. With Bus-II S/D                                    | 20-12-2016        | 09:00 | 22-12-2016        | 18:00 |
| 159 | POWERGRID [ DELHI ] | Bassi-Jaipur South-1(400 kV)                 | Powergrid | E3 | Daily      | Disc insulator replacemnt with polymer string. Applied in 128OCC from 14-17/11and 18-21/11 but missed | 03-12-2016        | 08:00 | 06-12-2016        | 18:00 |
| 160 | POWERGRID [ DELHI ] | Bassi-Jaipur South-2(400 kV)                 | Powergrid | E3 | Daily      | Disc insulator replacemnt with polymer string. Applied in 128OCC from 14-17/11and 18-21/11 but missed | 07-12-2016        | 08:00 | 10-12-2016        | 18:00 |
| 161 | POWERGRID [ DELHI ] | Chittorgarh(RV PNL)-RAPS B(NPC) 1(220 kV)    | Powergrid | NA | Daily      | Disc insulator replacemnt with polymer string   | 05-12-2016        | 08:00 | 08-12-2016        | 18:00 |
| 162 | POWERGRID [ DELHI ] | Kankroli(PG)-RAPS C(NPC) 1(400 kV)           | Powergrid | E1 | Daily      | Disc insulator replacemnt with polymer string   | <b>21-11-2016</b> | 08:00 | <b>26-11-2016</b> | 18:00 |
| 163 | POWERGRID [ DELHI ] | Kankroli(PG)-RAPS C(NPC) 2(400 kV)           | Powergrid | E1 | Daily      | Disc insulator replacemnt with polymer string   | <b>27-11-2016</b> | 08:00 | <b>03-12-2016</b> | 18:00 |

|     |                     |   |           |    |            |   |            |       |            |       |
|-----|---------------------|---|-----------|----|------------|---|------------|-------|------------|-------|
| 164 | POWERGRID [ DELHI ] | Bassi-Jaipur 1(400 kV)                    | Powergrid | E3 | Daily      | Insulator replacemnt with polymer string.<br>Apprvd one day in 128OCC   | 11-12-2016 | 08:00 | 13-12-2016 | 18:00 |
| 165 | POWERGRID [ DELHI ] | Koldam(NTPC)-Banala(PKTCL)(400 kV)        | Powergrid | C3 | Daily      | Insulator replacemnt with polymer string.<br>Apprvd one day in 128OCC   | 14-12-2016 | 08:00 | 16-12-2016 | 18:00 |
| 166 | POWERGRID [ DELHI ] | Bareilly(PG)-Moradabad(UP) 1(400 kV)      | Powergrid | NA | Daily      | Jumper tightening/ Prewinter AMP works.   | 03-12-2016 | 08:00 | 04-12-2016 | 18:00 |
| 167 | POWERGRID [ DELHI ] | Bareilly(PG)-Moradabad(UP) 2(400 kV)      | Powergrid | NA | Daily      | Jumper tightening/ Prewinter AMP works.   | 05-12-2016 | 08:00 | 06-12-2016 | 18:00 |
| 168 | POWERGRID [ DELHI ] | Bareilly-Rosa(400 kV)                     | Powergrid | NA | Continuous | Removal of jumpers,dismantling and stringing from Dead End Tower to Substation gantry and jumpering for bay eqpmnts. Line will be charged as Bareilly-Shahjhnpr-I and Shahjahanpur-Rosa-II. Apprd in 125th OCC, Rescheduled on ROW issue. | 01-12-2016 | 08:00 | 03-12-2016 | 18:00 |
| 169 | POWERGRID [ DELHI ] | Lucknow-Rosa(400 kV)                      | Powergrid | NA | Continuous | Removal of jumpers,dismantling and stringing from Dead End Tower to Substation gantry and jumpering for bay eqpmnts. Line to be charged as Lko-Shahjhnpr-I and Shahjahanpur-Rosa-I. Apprd in 125th OCC. Rescheduled on ROW issue.         | 06-12-2016 | 08:00 | 06-12-2016 | 18:00 |
| 170 | POWERGRID [ DELHI ] | Neemrana-Sikar 1(400 kV)                  | Powergrid | E3 | Daily      | Disc insulator replacemnt with polymer string.  | 01-12-2016 | 08:00 | 03-12-2016 | 18:00 |
| 171 | POWERGRID [ DELHI ] | Neemrana-Sikar 2(400 kV)                  | Powergrid | E3 | Daily      | Disc insulator replacemnt with polymer string.  | 04-12-2016 | 08:00 | 06-12-2016 | 18:00 |
| 172 | POWERGRID [ DELHI ] | Jodhpur II(RVPNL)-Kankroli(PG) 1 (400 kV) | Powergrid | E1 | Daily      | Disc insulator replacemnt with polymer string.  | 04-12-2016 | 08:00 | 13-12-2016 | 18:00 |
| 173 | POWERGRID [ DELHI ] | Kota(PG)-Shree Cement(CSL)(400 kV)        | Powergrid | E1 | Daily      | Disc insulator replacemnt with polymer string.  | 15-12-2016 | 08:00 | 22-12-2016 | 18:00 |
| 174 | POWERGRID [ DELHI ] | Shree Cement(CSL)-Merta(RRVPNL)(400 kV)   | Powergrid | E1 | Daily      | Disc insulator replacemnt with polymer string   | 23-12-2016 | 08:00 | 30-12-2016 | 18:00 |
| 175 | POWERGRID [ DELHI ] | Bassi-Bhiwadi 1(400 kV)                   | Powergrid | E3 | Daily      | Jumper tightening/ Prewinter AMP works.   | 02-12-2016 | 08:00 | 03-12-2016 | 18:00 |

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|-----|---------------------|--|---------------------|----|------------|---|------------|-------|------------|-------|
| 176 | POWERGRID [ DELHI ] | Debari(RVPNL)-RAPS B(NPC)(220 kV)            | Powergrid           | NA | Daily      | Disc insulator replacemnt with polymer string   | 20-11-2016 | 08:00 | 25-11-2016 | 18:00 |
| 177 | POWERGRID [ DELHI ] | Auraiya(NTPC)-Sikandra(UP) 1 (220 kV)        | Powergrid           | NA | Continuous | PLCC panel retrofitimnt under AddCap. Reapplied frm 123OCC <b>OCC deliberated and approved the outage subject to</b>                            | 20-12-2016 | 08:00 | 21-12-2016 | 18:00 |
| 178 | POWERGRID [ DELHI ] | Auraiya(NTPC)-Sikandra(UP) 2 (220 kV)        | Powergrid           | NA | Continuous | PLCC panel retrofitimnt under AddCap. Reapplied frm 123OCC <b>OCC deliberated and approved the outage subject to consent of UPPTCL</b>          | 20-12-2016 | 08:00 | 21-12-2016 | 18:00 |
| 179 | POWERGRID [ DELHI ] | Tanakpur(NHPC)-Sitarganj(PG)(220 kV)         | Powergrid           | NA | Daily      | Jumper tightening/ Prewinter AMP works.   | 01-12-2016 | 08:00 | 01-12-2016 | 18:00 |
| 180 | POWERGRID [ DELHI ] | Cbganj(UP)-Sitarganj(PG)(220 kV)             | Powergrid           | NA | Daily      | Jumper tightening/ Prewinter AMP works.   | 02-12-2016 | 08:00 | 02-12-2016 | 18:00 |
| 181 | POWERGRID [ DELHI ] | Cbganj(UP)-Tanakpur(NHPC) (220 kV)           | Powergrid           | NA | Daily      | Annual maintenance work   | 08-12-2016 | 08:00 | 08-12-2016 | 18:00 |
| 182 | POWERGRID [ DELHI ] | Bawana(GT)-Bhiwani (PG) (400 kV)             | Delhi               | NA | Daily      | AMP /Cleaning/Polymer replacement in Jack Bus.  | 28-12-2016 | 08:00 | 28-12-2016 | 18:00 |
| 183 | POWERGRID [ DELHI ] | Bhiwadi-Neemrana 1(400 kV)                   | Powergrid           | E3 | Continuous | Diversion due to DFCC Rail project.It involves erection of 01 No tower.   | 12-12-2016 | 08:00 | 31-12-2016 | 18:00 |
| 184 | POWERGRID [ DELHI ] | Kota(PG)-RAPS C(NPC)(220 kV)                 | Powergrid           | E1 | Daily      | Disc insulator replacemnt with polymer string   | 05-12-2016 | 08:00 | 08-12-2016 | 18:00 |
| 185 | POWERGRID [ DELHI ] | BASSI(PG)-PHAGI-2(400 kV)                    | Powergrid           | NA | Daily      | Insulator replacemnt with polymer string. Apprvd one day in 128OCC  | 14-12-2016 | 08:00 | 16-12-2016 | 18:00 |
| 186 | POWERGRID [ DELHI ] | 400KV ROORKI-MUZFRNGR(400 kV)                | Powergrid           | NA | Daily      | Insulator replacemnt with polymer string.   | 06-12-2016 | 08:00 | 08-12-2016 | 18:00 |
| 187 | POWERGRID [ DELHI ] | Rishikesh(UTT)-Roorkee(PG)(400 kV)           | Uttarakhand         | NA | Daily      | Insulator replacemnt with polymer string. <b>OCC deliberated and approved the outage subject to it being clubbed with outage of Uttarakhand</b> | 03-12-2016 | 08:00 | 05-12-2016 | 18:00 |
| 188 | POWERGRID [ DELHI ] | Bhiwani(PGCIL)-Mohindergarh(Adani)-1(400 kV) | Adani Power Limited | D  | Daily      | AMP /Cleaning/Polymer replacement in Jack Bus.In Power Grid portion at Bhiwani end  | 30-12-2016 | 08:00 | 30-12-2016 | 18:00 |
| 189 | POWERGRID [ DELHI ] | Bhiwani(PGCIL)-Mohindergarh(Adani)-2(400 kV) | Adani Power Limited | D  | Daily      | AMP /Cleaning/Polymer replacement in Jack Bus.In Power Grid portion at Bhiwani end  | 31-12-2016 | 08:00 | 31-12-2016 | 18:00 |
| 190 | POWERGRID [ DELHI ] | Rewa Road-Panki line (400 kV)                | Uttar Pradesh       | NA | Daily      | 400kv D/C Aild-Kanpur(GIS) line stringing. <b>OCC deliberated and approved outage subject to consent of UPPTCL</b>                              | 06-12-2016 | 08:00 | 06-12-2016 | 18:00 |

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| 191 | POWERGRID [ DELHI ] | Abdullapur(PG)-Dipalpur(HVPNL)(400 kV)  | Powergrid | NA | Daily      | For end to end testing of PLCC Channel II after reterofitting. <b>OCC deliberated and approved outage subject to consent of HVPNL</b>                       | 22-12-2016 | 14:00 | 22-12-2016 | 16:00 |
| 192 | POWERGRID [ DELHI ] | Abdullapur - Kurukshetra-2(400 kV)      | Powergrid | D  | Daily      | For AMP works (O&M)   | 14-12-2016 | 09:00 | 14-12-2016 | 17:00 |
| 193 | POWERGRID [ DELHI ] | Kurukshetra-Sonepat -2(400 kV)          | Powergrid | NA | Daily      | For AMP works (O&M)   | 15-12-2016 | 09:00 | 15-12-2016 | 17:00 |
| 194 | POWERGRID [ DELHI ] | 400 kV Banala-Parbati III line(400 kV)  | Powergrid | NA | Daily      | For AMP works (O&M)   | 15-12-2016 | 09:00 | 15-12-2016 | 18:00 |
| 195 | POWERGRID [ DELHI ] | Dulhasti(NHPC)-Kishenpur(PG)(400 kV)    | Powergrid | C2 | Daily      | to fix polymer insulator on R phase jumper at 50 locations (Construction)   | 28-12-2016 | 09:30 | 29-12-2016 | 16:00 |
| 196 | POWERGRID [ DELHI ] | Ludhiana-Malerkotla(400 kV)             | Powergrid | C3 | Daily      | to carry out AMP activities (O&M)   | 12-12-2016 | 09:30 | 12-12-2016 | 16:30 |
| 197 | POWERGRID [ DELHI ] | Dipalpur(HVPNL)-Bawana(DTL)(400 kV)     | Powergrid | D  | Daily      | for replacement of Porcelain insulators on tower 406 to 407 (O&M)   | 14-12-2016 | 09:00 | 14-12-2016 | 17:00 |
| 198 | POWERGRID [ DELHI ] | Abdullapur(PG)-Bawana(DTL) 1(400 kV)    | Powergrid | D  | Daily      | For removal of areal day markers (Globes) from earth wire for OPGW works  | 02-12-2016 | 09:00 | 04-12-2016 | 17:00 |
| 199 | POWERGRID [ DELHI ] | Abdullapur(PG)-Bawana(DTL) 2(400 kV)    | Powergrid | NA | Daily      | For replacement of of Porcelian Insulators on tower 406 & 407 (O&M)   | 14-12-2016 | 09:00 | 14-12-2016 | 17:00 |
| 200 | POWERGRID [ DELHI ] | Bareilly(UP)-Pithorgarh(PG)(220 kV)     | Powergrid | NA | Daily      | AMP Work  | 08-12-2016 | 09:00 | 08-12-2016 | 17:00 |
| 201 | POWERGRID [ DELHI ] | Tanakpur(NHPC)-Sitarganj(PG)(220 kV)    | Powergrid | NA | Daily      | AMP Work  | 05-12-2016 | 09:00 | 05-12-2016 | 17:00 |
| 202 | POWERGRID [ DELHI ] | Auraiya(NTPC)-Sikandra(UP) 1 (220 kV)   | Powergrid | NA | Continuous | For PLCC retro fitment works at both ends.  | 20-12-2016 | 09:00 | 21-12-2016 | 18:00 |
| 203 | POWERGRID [ DELHI ] | Anpara(UP)-Singrauli(NTPC)(400 kV)      | Powergrid | A2 | Daily      | Installation of Polymer insulators.   | 20-12-2016 | 08:00 | 25-12-2016 | 18:00 |
| 204 | POWERGRID [ DELHI ] | Auraiya(NTPC)-Sikandra(UP) 2 (220 kV)   | Powergrid | NA | Continuous | For PLCC retro fitment works at both ends.  | 20-12-2016 | 09:00 | 21-12-2016 | 18:00 |
| 205 | POWERGRID [ DELHI ] | Allahabad-Kanpur 2(400 kV)              | Powergrid | A3 | Daily      | For stringing of section AP 79/0-AP 80/O . <b>OCC deliberated and approved the outage subject to it being executed in the period of outage at Sr no 152</b> | 26-11-2016 | 08:00 | 26-11-2016 | 18:00 |
| 206 | POWERGRID [ DELHI ] | Allahabad(PG)-Singrauli(NTPC) 1(400 kV) | Powergrid | A2 | Daily      | For Insulator Cleaning work   | 17-12-2016 | 08:00 | 18-12-2016 | 18:00 |
| 207 | POWERGRID [ DELHI ] | Allahabad(PG)-Singrauli(NTPC) 2(400 kV) | Powergrid | A2 | Daily      | For Insulator Cleaning work   | 19-12-2016 | 08:00 | 20-12-2016 | 18:00 |
| 208 | POWERGRID [ DELHI ] | Lucknow(UP)-Singrauli(NTPC)(400 kV)     | Powergrid | NA | Daily      | For Insulator Cleaning work and insulator replacement work  | 26-12-2016 | 08:00 | 27-12-2016 | 18:00 |
| 209 | POWERGRID [ DELHI ] | Fatehpur-Singrauli(220 kV)              | Powergrid | A2 | Daily      | For Insulator Cleaning work   | 12-12-2016 | 08:00 | 13-12-2016 | 18:00 |
| 210 | POWERGRID [ DELHI ] | Fatehpur-Mainpuri 1(400 kV)             | Powergrid | A3 | Daily      | For Insulator Cleaning work   | 02-12-2016 | 08:00 | 03-12-2016 | 17:00 |
| 211 | POWERGRID [ DELHI ] | Fatehpur-Mainpuri 2(400 kV)             | Powergrid | A3 | Daily      | For Insulator Cleaning work   | 05-12-2016 | 08:00 | 06-12-2016 | 17:00 |
| 212 | POWERGRID [ DELHI ] | Gorakhpur(PG)-Gorakhpur(UP) 1(400 kV)   | Powergrid | A1 | Daily      | Replacement of Porcelain insulators with Polymers / Glass Insulators  | 01-12-2016 | 08:30 | 01-12-2016 | 17:30 |
| 213 | POWERGRID [ DELHI ] | Gorakhpur(PG)-Gorakhpur(UP) 2(400 kV)   | Powergrid | A1 | Daily      | Replacement of Porcelain insulators with Polymers / Glass Insulators  | 02-12-2016 | 08:30 | 02-12-2016 | 17:30 |

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| 214 | POWERGRID [ DELHI ] | Gorakhpur(PG)-Gorakhpur(UP) 1(400 kV) | Powergrid | A1 | Daily | Replacement of Porcelain insulators with Polymers / Glass Insulators   | 03-12-2016 | 08:30 | 03-12-2016 | 17:30 |
| 215 | POWERGRID [ DELHI ] | Gorakhpur(PG)-Gorakhpur(UP) 2(400 kV) | Powergrid | A1 | Daily | Replacement of Porcelain insulators with Polymers / Glass Insulators   | 04-12-2016 | 08:30 | 04-12-2016 | 17:30 |
| 216 | POWERGRID [ DELHI ] | Gorakhpur(PG)-Gorakhpur(UP) 1(400 kV) | Powergrid | A1 | Daily | Replacement of Porcelain insulators with Polymers / Glass Insulators   | 05-12-2016 | 08:30 | 05-12-2016 | 17:30 |
| 217 | POWERGRID [ DELHI ] | Gorakhpur(PG)-Gorakhpur(UP) 2(400 kV) | Powergrid | A1 | Daily | Replacement of Porcelain insulators with Polymers / Glass Insulators   | 06-12-2016 | 08:30 | 06-12-2016 | 17:30 |
| 218 | POWERGRID [ DELHI ] | Gorakhpur(PG)-Gorakhpur(UP) 1(400 kV) | Powergrid | A1 | Daily | Replacement of Porcelain insulators with Polymers / Glass Insulators   | 07-12-2016 | 08:30 | 07-12-2016 | 17:30 |
| 219 | POWERGRID [ DELHI ] | Gorakhpur(PG)-Gorakhpur(UP) 2(400 kV) | Powergrid | A1 | Daily | Replacement of Porcelain insulators with Polymers / Glass Insulators   | 08-12-2016 | 08:30 | 08-12-2016 | 17:30 |
| 220 | POWERGRID [ DELHI ] | Gorakhpur-Lucknow 3(220 kV)           | Powergrid | A1 | Daily | Replacement of Porcelain insulators with Polymers / Glass Insulators   | 09-12-2016 | 08:30 | 09-12-2016 | 17:30 |
| 221 | POWERGRID [ DELHI ] | Gorakhpur-Lucknow 4(400 kV)           | Powergrid | A1 | Daily | Replacement of Porcelain insulators with Polymers / Glass Insulators   | 10-12-2016 | 08:30 | 10-12-2016 | 17:30 |
| 222 | POWERGRID [ DELHI ] | Gorakhpur-Lucknow 3(220 kV)           | Powergrid | A1 | Daily | Replacement of Porcelain insulators with Polymers / Glass Insulators   | 11-12-2016 | 08:30 | 11-12-2016 | 17:30 |
| 223 | POWERGRID [ DELHI ] | Gorakhpur-Lucknow 4(400 kV)           | Powergrid | A1 | Daily | Replacement of Porcelain insulators with Polymers / Glass Insulators   | 12-12-2016 | 08:30 | 12-12-2016 | 17:30 |
| 224 | POWERGRID [ DELHI ] | Gorakhpur-Lucknow 3(220 kV)           | Powergrid | A1 | Daily | Replacement of Porcelain insulators with Polymers / Glass Insulators   | 13-12-2016 | 08:30 | 13-12-2016 | 17:30 |
| 225 | POWERGRID [ DELHI ] | Gorakhpur-Lucknow 4(400 kV)           | Powergrid | A1 | Daily | Replacement of Porcelain insulators with Polymers / Glass Insulators   | 14-12-2016 | 08:30 | 14-12-2016 | 17:30 |
| 226 | POWERGRID [ DELHI ] | Bareilly(PG)-Moradabad(UP) 1(400 kV)  | Powergrid | NA | Daily | Under replacement as per CERC order for add cap in Singrauli Transmission system ( Line Isolator replacement under add cap at Moradabad end) (S/D was approved in 127 th OCC meeting for October-16 but could not availed due to requirement of extra material for retrofitting use ) <b>OCC deliberated and decided that the outage be proposed in the next OCC on account of the system conditions</b> | 09-12-2016 | 09:00 | 10-12-2016 | 17:00 |
| 227 | POWERGRID [ DELHI ] | Bareilly(PG)-Lucknow(UP)(400 kV)      | Powergrid | NA | Daily | Replacement <b>OCC deliberated and decided that the outage be proposed in the next OCC on account of the system conditions</b>   | 21-11-2016 | 08:00 | 22-11-2016 | 17:00 |
| 228 | POWERGRID [ DELHI ] | Bareilly(PG)-Moradabad(UP) 1(400 kV)  | Powergrid | NA | Daily | Replacement <b>OCC deliberated and decided that the outage be proposed in the next OCC on account of the system conditions</b>   | 23-11-2016 | 08:00 | 24-11-2016 | 17:00 |
| 229 | POWERGRID [ DELHI ] | Bareilly(PG)-Moradabad(UP) 2(400 kV)  | Powergrid | NA | Daily | Replacement <b>OCC deliberated and decided that the outage be proposed in the next OCC on account of the system conditions</b>   | 25-11-2016 | 08:00 | 26-11-2016 | 17:00 |
| 230 | POWERGRID [ DELHI ] | Fatehpur-Singrauli(400 kV)            | Powergrid | A2 | Daily | AMP work on 400kv 80MVAR Singrauli-Fatehpur line Reactor , Fatehpur  | 30-12-2016 | 09:30 | 30-12-2016 | 18:00 |



|     |                     |  |           |    |       |  |            |       |            |       |
|-----|---------------------|--|-----------|----|-------|--|------------|-------|------------|-------|
| 231 | POWERGRID [ DELHI ] | Abdullapur(PG)-Dipalpur(HVPNL)(400 kV) | Powergrid | NA | Daily | For end to end testing of PLCC Channel I after reterofitting   | 20-12-2016 | 14:00 | 20-12-2016 | 16:00 |
| 232 | KWHEP               | KWHEP-Abdullapur I(400KV)              | JPL       | NA | Daily | Testing of line protection and GIS Maintenance   | 06-12-2016 | 08:30 | 07-12-2016 | 18:00 |
| 233 | KWHEP               | KWHEP-Baspa -II HEP I(400KV)           | HBPCL     | NA | Daily | Testing of line protection and GIS Maintenance   | 08-12-2016 | 08:30 | 09-12-2016 | 18:00 |
| 234 | KWHEP               | KWHEP-Abdullapur II(400KV)             | JPL       | NA | Daily | Testing of line protection and GIS Maintenance   | 10-12-2016 | 08:30 | 11-12-2016 | 18:00 |
| 235 | KWHEP               | KWHEP-Baspa -II HEP II(400KV)          | HBPCL     | NA | Daily | Testing of line protection and GIS Maintenance   | 12-12-2016 | 08:30 | 13-12-2016 | 18:00 |
| 236 | KWHEP               | KWHEP-Abdullapur I(400KV)              | JPL       | NA | Daily | Energy meter calibration check by PGCIL at Situ  | 20-12-2016 | 08:30 | 20-12-2016 | 12:30 |
| 237 | KWHEP               | KWHEP-Abdullapur I(400KV)              | JPL       | NA | Daily | Energy meter calibration check by PGCIL at Situ  | 20-12-2016 | 14:00 | 20-12-2016 | 18:00 |
| 238 | KWHEP               | KWHEP-Baspa -II HEP I(400KV)           | HBPCL     | NA | Daily | Energy meter calibration check by PGCIL at Situ  | 21-12-2016 | 08:30 | 21-12-2016 | 12:30 |
| 239 | KWHEP               | KWHEP-Baspa -II HEP II(400KV)          | HBPCL     | NA | Daily | Energy meter calibration check by PGCIL at Situ  | 21-12-2016 | 14:00 | 21-12-2016 | 18:00 |
| 240 | KWHEP               | KWHEP-Jhakri I(400KV)                  | HBPCL     | NA | Daily | Energy meter calibration check by PGCIL at Situ  | 22-12-2016 | 08:30 | 22-12-2016 | 12:30 |
| 241 | KWHEP               | KWHEP-Jhakri II(400KV)                 | HBPCL     | A2 | Daily | Energy meter calibration check by PGCIL at Situ  | 22-12-2016 | 14:00 | 22-12-2016 | 18:00 |
| 242 | ADHPL               | Prini-Nalagarh I(220KV)                | ADHPL     | NA | Daily | Tightening of bolt/nuts of Line jumpers, main tower body members, cleaning & checking of insulator strings, rectification of tower earthings, vibration dampers and loose line sags if any. Shutdown is on daily basis from 11:00 hrs to 16:30 hrs as per dates specified. | 01-12-2016 | 11:00 | 04-12-2016 | 16:30 |
|     |                     |  |           |    |       |  | 06-12-2016 | 11:00 | 11-12-2016 | 16:30 |
|     |                     |  |           |    |       |  | 13-12-2016 | 11:00 | 18-12-2016 | 16:30 |
|     |                     |  |           |    |       |  | 20-12-2016 | 11:00 | 25-12-2016 | 16:30 |
|     |                     |  |           |    |       |  | 27-12-2016 | 11:00 | 31-12-2016 | 16:30 |

## Approved Outages that were proposed in other RPCs

## ANNEXURE 2(C)

All outages are approved tentatively subject to grid conditions and specific remarks

| Sl No | outages proposed in | Name of Requesting Agency | Name of Elements                | From       |       | To         |       | Basis      | Reason   | Remarks   |
|-------|---------------------|---------------------------|---------------------------------|------------|-------|------------|-------|------------|--|---|
|       |                     |                           |                                 | Date       | Time  | Date       | Time  |            |  |   |
| 1     | WRPC                | PGCIL                     | Zerda Bhinmal                   | 24-11-2016 | 10:00 | 24-11-2016 | 16:00 | DAILY      | BUSHING REPLACEMENT  |   |
| 2     | WRPC                | PGCIL                     | 765 Gwalior-Jaipur#1 Line       | 25-11-2016 | 10:00 | 25-11-2016 | 18:00 | Daily      | To attained shut down defect                                 | OCC deliberated and approved outage but the reasons for the same needs to be detailed upon prior to approval in real time |
| 3     | WRPC                | PGCIL                     | POLE-1 Mundra Mohindergarh HVDC | 27-11-2016 | 08:00 | 30-11-2016 | 18:00 | Continuous | Annual Maintenance and replacement of DM water in valve hall |   |
| 4     | WRPC                | PGCIL                     | POLE-2 Mundra Mohindergarh HVDC | 1-12-2016  | 08:00 | 4-12-2016  | 18:00 | Continuous | Annual Maintenance and replacement of DM water in valve hall |   |
| 5     | WRPC                | PGCIL                     | MALANPUR - AURAIYA CKT          | 6-12-2016  | 09:00 | 7-12-2016  | 17:00 | daily      | FOR MAINTENANCE WORK   | OCC deliberated and approved outage but the reasons for the same needs to be detailed upon prior to approval in real time |
| 6     | WRPC                | PGCIL                     | 765 Gwalior-Agra#1 Line         | 6-12-2016  | 10:00 | 6-12-2016  | 18:00 | Daily      | To attained shut nature defect                               | OCC deliberated and approved the outage subject to it being coordinated with outage of Power Grid                         |
| 7     | ERPC                | PGCIL                     | 765KV S/C GAYA-VARANASI-1 TL    | 12-12-2016 | 08:00 | 12-12-2016 | 18:00 | ODB        | FOR REPLACEMENT OF INSULATORS DAMAGED BY MISCREANT           |   |
| 8     | ERPC                | PGCIL                     | 765KV S/C GAYA-VARANASI-2 TL    | 15-12-2016 | 08:00 | 15-12-2016 | 18:00 | ODB        | FOR REPLACEMENT OF INSULATORS DAMAGED BY MISCREANT           |   |
| 9     | ERPC                | PGCIL                     | 400 KV BIHARSHARIF-BALIA-1      | 16-12-2016 | 08:00 | 16-12-2016 | 17:30 | ODB        | REPLACEMENT OF INSULATORS DAMAGED BY MISCREANTS              |   |
| 10    | ERPC                | PGCIL                     | 400 KV BIHARSHARIF-BALIA-2      | 17-12-2016 | 08:00 | 17-12-2016 | 17:30 | ODB        | REPLACEMENT OF INSULATORS DAMAGED BY MISCREANTS              |   |

|    |      |       |                      |            |       |            |       |     |  |  |
|----|------|-------|----------------------|------------|-------|------------|-------|-----|--|--|
| 11 | ERPC | PGCIL | 400 KV BARH - GKP -1 | 18-12-2016 | 08:00 | 19-12-2016 | 18:00 | ODB | FOR REPLACEMENT OF INSULATORS DAMAGED BY MISCREANT |  |
| 12 | ERPC | PGCIL | 400 KV BARH - GKP -2 | 21-12-2016 | 08:00 | 22-12-2016 | 18:00 | ODB | FOR REPLACEMENT OF INSULATORS DAMAGED BY MISCREANT |  |

**APPROVED OUTAGE OF NLDC OVERSIGHT TRANSMISSION ELEMENTS FOR THE MONTH OF DECEMBER, 2016**  
**ALL OUTAGES APPROVED TENTATIVELY SUBJECT TO GRID CONDITIONS AND SPECIFIC REMARKS**

ANNEXURE 3(A)1

| INDENTING AGENCY |                           | PGCIL, (NR-I ,II& III) |                                       | FOR THE MONTH |                            |                          | DEC  |                        |       |          |       | REMARKS |
|------------------|---------------------------|------------------------|---------------------------------------|---------------|----------------------------|--------------------------|--|------------------------|-------|----------|-------|---------|
| S.N.             | NAME OF REQUESTING AGENCY | EQUIPEMENT DETAILS     |                                       |               |                            | DAILY/<br>CONTIN<br>UOUS | REASON   | APPROVED DATE AND TIME |       |          |       |         |
|                  |                           | VOLT LEVEL (KV)        | NAME OF THE ELEMENT                   | OWNER         | INTER/<br>INTRA<br>REGIONA |                          |  | FROM                   |       | TO       |       |         |
|                  |                           |                        |                                       |               |                            |                          |  | DATE                   | TIME  | DATE     | TIME  |         |
| 1                | PGCIL                     | 765                    | ICT-I at BHIWANI                      | PGCIL         | INTRA                      | DAILY                    | AMP /Polymer insulators replacement in Jack Bus. Required on 7/14/16/19. | 07-12-16               | 08:00 | 10-12-16 | 18:00 |         |
| 2                | PGCIL                     | 765                    | ICT-II at BHIWANI                     | PGCIL         | INTRA                      | DAILY                    | AMP /Polymer insulators replacement in Jack Bus. Required on 15/17/20.   | 15-12-16               | 08:00 | 20-12-16 | 18:00 |         |
| 3                | PGCIL                     | 400                    | BUS-1B at HVDC Agra                   | PGCIL         | INTRA                      | DAILY                    | Integration of 400kV Sikar-1 Bays with 400kV Bus                         | 20-12-16               | 08:00 | 21-12-16 | 18:00 |         |
| 4                | PGCIL                     | 400                    | BUS-2B at HVDC Agra                   | PGCIL         | INTRA                      | DAILY                    | Integration of 400kV Sikar-2 Bays with 400kV Bus                         | 22-12-16               | 08:00 | 23-12-16 | 18:00 |         |
| 5                | PGCIL                     | 400                    | BUS-1A at HVDC Agra                   | PGCIL         | INTRA                      | DAILY                    | Integration for 400kVPole-4 dia with 400kV Bus                           | 26-12-16               | 08:00 | 26-12-16 | 18:00 |         |
| 6                | PGCIL                     | 400                    | BUS-2A at HVDC Agra                   | PGCIL         | INTRA                      | DAILY                    | Integration for 400kVPole-4 dia with 400kV Bus                           | 28-12-16               | 08:00 | 28-12-16 | 18:00 |         |
| 7                | PGCIL                     | 765                    | 704 Main bay of B/Reactor at Meerut   | PGCIL         | INTRA                      | DAILY                    | AMP/ CVT C&tan delta.  | 06-12-16               | 08:00 | 06-12-16 | 18:00 |         |
| 8                | PGCIL                     | 765                    | 705 Tie bay of B/R-ICT-2 at Meerut    | PGCIL         | INTRA                      | DAILY                    | AMP/ CVT C&tan delta.  | 08-12-16               | 08:00 | 08-12-16 | 18:00 |         |
| 9                | PGCIL                     | 765                    | 706 Main bay of ICT-II at Meerut      | PGCIL         | INTRA                      | DAILY                    | AMP/ CVT C&tan delta.  | 10-12-16               | 08:00 | 10-12-16 | 18:00 |         |
| 10               | PGCIL                     | 765                    | 712 Main bay of Bhiwani at Meerut     | PGCIL         | INTRA                      | DAILY                    | AMP/ CVT C&tan delta.  | 12-12-16               | 08:00 | 12-12-16 | 18:00 |         |
| 11               | PGCIL                     | 765                    | 711 Tie bay of Bhiwani/Moga at Meerut | PGCIL         | INTRA                      | DAILY                    | AMP/ CVT C&tan delta.  | 15-12-16               | 08:00 | 15-12-16 | 18:00 |         |
| 12               | PGCIL                     | 765                    | 703 Main bay of ICT-I at Meerut       | PGCIL         | INTRA                      | DAILY                    | AMP/ CVT C&tan delta.  | 17-12-16               | 08:00 | 17-12-16 | 18:00 |         |

| POWERGRID NR-3 LKO |       |       |                           |       |       |       |  |            |           |            |            |  |
|--------------------|-------|-------|---------------------------|-------|-------|-------|--|------------|-----------|------------|------------|--|
| 1                  | PGCIL | 765   | ICT-I at BAREILLY         | PGCIL | INTRA | DAILY | RTV coating on Bushing                           | 01-12-16   | 08:00     | 03-12-16   | 18:00      |  |
| 2                  | PGCIL | 765   | ICT-II at BAREILLY        | PGCIL | INTRA | DAILY | RTV coating on Bushing                           | 04-12-16   | 08:00     | 07-12-16   | 18:00      |  |
| 3                  | PGCIL | 765   | ICT-II at AGRA            | PGCIL | INTRA | DAILY | Replacement with spare unit.                     | 06-12-16   | 08:00     | 06-12-16   | 18:00      |  |
| 4                  | PGCIL | 765kV | 765kV 1500MVA ICT-1 BALIA | PGCIL | INTRA | DAILY | For the Commissioning of CSD Relays in M/Tie Bay | 24.11.2016 | 09:30 hrs | 24.11.2016 | 17:30 hrs. |  |

|    |       |       |                                       |       |       |       |  |            |           |            |            |  |
|----|-------|-------|---------------------------------------|-------|-------|-------|--|------------|-----------|------------|------------|--|
| 5  | PGCIL | 765kV | 765kV 1500MVA ICT-2 BALIA             | PGCIL | INTRA | DAILY | For the Commissioning of CSD Relays in M/Tie Bay | 25.11.2016 | 09:30 hrs | 25.11.2016 | 17:30 hrs. |  |
| 6  | PGCIL | 765kv | Fatehpur-2 Line Reactor at Agra       | PGCIL | INTRA | DAILY | Qualitrol PRD switches replacement and AMP       | 13.12.16   | 09:00     | 13.12.16   | 18:00      | <b>OCC deliberated and decided to postpone the outage as the line work needs to be combined with this work further reactor outage needs to be avoided in the winter season</b> |
| 7  | PGCIL | 765kv | Bus Reactor-2 at Agra                 | PGCIL | INTRA | DAILY | Qualitrol PRD switches replacement and AMP       | 14.12.16   | 09:00     | 14.12.16   | 18:00      |  |
| 8  | PGCIL | 765kV | 706 Main Bay B/Reactor-2 Balia        | PGCIL | INTRA | DAILY | Bay AMP Activities                               | 01-12-16   | 08:00     | 01-12-16   | 17:30 hrs. |  |
| 9  | PGCIL | 400kV | 402 Bay Patna-1 Tie Bay at Balia      | PGCIL | INTER | DAILY | Bay AMP Activities                               | 02-12-16   | 08:00     | 02-12-16   | 17:30 hrs. |  |
| 10 | PGCIL | 765kV | 701- Balia Line Main Bay LKO          | PGCIL | INTRA | DAILY | For AMP work on daily basis                      | 04.12.2016 | 09:30 hrs | 05.12.2016 | 17:30 hrs. |  |
| 11 | PGCIL | 765kV | 702-ICT-1& Balia Line Tie bay at LKO  | PGCIL | INTRA | DAILY | For AMP work on daily basis                      | 07.12.2016 | 09:30 hrs | 08.12.2016 | 17:30 hrs. |  |
| 12 | PGCIL | 765kV | 707R-Bareilly line Reactor Bay at LKO | PGCIL | INTRA | DAILY | For AMP work on daily basis                      | 28.11.2016 | 09:30 hrs | 29.11.2016 | 17:30 hrs. |  |
|    |       |       |                                       |       |       |       |  |            |           |            |            |  |

| POWERGRID NR-2 |       |     |                            |       |       |       |              |          |       |          |       |  |
|----------------|-------|-----|----------------------------|-------|-------|-------|--------------|----------|-------|----------|-------|--|
| 1              | PGCIL | 765 | ICT-I at MAIN BAY AT MOGA  | PGCIL | INTRA | DAILY | for AMP Work | 05-12-16 | 09:00 | 06-12-16 | 17:00 |  |
| 2              | PGCIL | 765 | ICT-I at TIE BAY AT MOGA   | PGCIL | INTRA | DAILY | for AMP Work | 07-12-16 | 09:00 | 08-12-16 | 17:00 |  |
| 3              | PGCIL | 765 | MEERUT MAIN BAY AT MOGA    | PGCIL | INTRA | DAILY | for AMP Work | 09-12-16 | 09:00 | 10-12-16 | 17:00 |  |
| 4              | PGCIL | 765 | ICT-II at MAIN BAY AT MOGA | PGCIL | INTRA | DAILY | for AMP Work | 12-12-16 | 09:00 | 13-12-16 | 17:00 |  |
| 5              | PGCIL | 765 | ICT-II at TIE BAY AT MOGA  | PGCIL | INTRA | DAILY | for AMP Work | 14-12-16 | 09:00 | 15-12-16 | 17:00 |  |
| 6              | PGCIL | 765 | BHIWANI MAIN BAY AT MOGA   | PGCIL | INTRA | DAILY | for AMP Work | 16-12-16 | 09:00 | 17-12-16 | 17:00 |  |

ALL OUTAGES APPROVED TENTATIVELY SUBJECT TO GRID CONDITIONS AND SPECIFIC REMARKS

| S.No. | Details of Transmission element |   | Category to which transmission element belong (A/B/C/D) | Date       |             | Timings    |            | Type of Shutdown       | Purpose   | Remarks   |
|-------|---------------------------------|---|---|------------|-------------|------------|------------|------------------------|---|---|
|       | Voltage Level                   | Name  |   | From       | To          | From       | To         | Daily/Continuous Basis |   |   |
| 1     | KV                              | 765 KV Main Bus-A at 765KV GSS Phagi  | A   | 07.12.2016 | 08.12.2016  | 10.00Hrs   | 18.00Hrs   | Daily                  | 1.. For the tightening of clamps & connectors of droppers from main Bus to isolators of different 765 Bays.   | During shutdown all the 765KV line, 3*80MVAR reactor bank & 3*500 MVA Tr. Bank-I & II will be remain connected to Main Bus-B<br><b>OCC deliberated and approved the outage subject to it not being clubbed with any other outage and the work be targetted to be completed in one day</b> |
| 2     | 765KV                           | 3X 500 MVA Trnasformer Bank-1 at 765KV GSS Phagi  | A   | 14.12.2016 | 15.12..2016 | 10.00Hrs   | 18.00Hrs   | Daily                  | 1. To replace the damaged conductor of droppers on 400 KV side of B-Phase Trans former.<br>2. Measurement of Tan-delta of Bushings.<br>3. Tightening of clamps & connectors of delta bus. | During shutdown 3*500 MVA Tr. Bank-II will be available in the circuit.   |
| 3     | 765 KV                          | 765 KV ,3X80 MVAr Reactor Bank II installed on 765 KV Anta-Phagi ckt-II at 765KV GSS Anta | A   | 01.12.2016 | 03.12.2016  | 09.00 Hrs. | 20.00 Hrs. | Continuous             | For synchronisation of 765 KV Anta-Phagi ckt-II Line Reactor Bank with spare Reactor and Commissioning of RPH2 Relay on Reactor Bank-II Breakeri.e. 7-5-52ALR                             | During Shut down of 765 KV Anta-Phagi Ckt-I&II and line-I Reactor will be available in circuit.<br><b>OCC deliberated and approved the outage subject to favourable voltage conditions and it being completed in one day</b>  |
| 4     | 765 KV                          | 765 KV ,3X80 MVAr Line Reactor Bank of 765 KV Anta - Phagi Ckt - I at 765KV GSS Anta      | A   | 05.12.2016 | 07.12.2016  | 09.00 Hrs. | 20.00 Hrs. | Continuous             | For synchronisation of 765 KV Anta-Phagi ckt-I Line Reactor Bank with spare Reactor and commissioning of RPH2 Relay on Reactor Bank C.B. No. 7-4-52 ALR                                   | During Shut down of 765 KV Anta-Phagi Ckt-I &II will be available in circuit.<br><b>OCC deliberated and approved the outage subject to favourable voltage conditions and the work being completed in one day</b>  |
| 5     | 765 KV                          | 400/765 KV ,3X500 MVA ICT Bank -I at 765KV GSS Anta                                       | A   | 08.12.2016 | 11.12.2016  | 09.00 Hrs. | 20.00 Hrs. | Continuous             | Synchronisation of 400/765 KV ICT Bank-I with spare ICT and commissioning of RPH2 relay on C B (7-4-52B,7-4-52T,4-6-52C,4-6-52T)  | During Shut down 400/ 765 KV ICT Bank II & III will be available in circuit.  |

ALL OUTAGES ARE APPROVED TENTATIVELY SUBJECT TO GRID CONDITIONS

| Sr. No. | Details of Transmission element | Name of S/Stn              | Name of transmission elements  | Category to which transmission element belong (A/B/C/D) | Date     |          | Daily basis | Timings     |           | Purpose/ Reasons                                |
|---------|---------------------------------|----------------------------|--------------------------------|---|----------|----------|-------------|-------------|-----------|---|
|         | Voltage level                   |                            |                                |   | From     | To       |             | From (Hrs.) | To (Hrs.) |   |
| 1       | 400 KV                          | JKTTPPL- 400KV Dipalpur SS | 400/220 kV 315 MVA ICT-2       | A   | 05.12.16 | 05.12.16 | Daily basis | 10:00 hrs   | 18:00 hrs | For annual maintenance and testing              |
| 2       | 400 KV                          | 400 kV Dhanonda            | 315MVA, 400/220KV ICT T-3      | A   | 05.12.16 | 05.12.16 | Daily basis | 10.00 Hrs   | 15.00 Hrs | Annual Mtc. of 220KV Incomer CT & Breakers etc. |
| 3       | 400 KV                          | 400 kV Kirori              | 400/220 kV 315 MVA ICT-1       | A   | 05.12.16 | 05.12.16 | Daily basis | 10:00       | 18:00     | General Mtc                                     |
| 4       | 400 KV                          | 400 kV Dhanonda            | 315MVA, 400/220KV ICT T-4      | A   | 06.12.16 | 06.12.16 | Daily basis | 10.00 Hrs   | 15.00 Hrs | Annual Mtc. of 220KV Incomer CT & Breakers etc. |
| 5       | 400 KV                          | 400 kV Kirori              | 400/220 kV 315 MVA ICT-2       | A   | 09.12.16 | 09.12.16 | Daily basis | 10:00       | 18:00     | General Mtc                                     |
| 6       | 400 KV                          | 400 kV Nawada              | 400 KV Bus-II, ICT-1 and Tie-1 | A   | 14.12.16 | 14.12.16 | Daily basis | 09:00       | 15:00     | Pre Winter Mtc                                  |
| 7       | 400 KV                          | 400 kV Kirori              | 400/220 kV 315 MVA ICT-3       | A   | 15.12.16 | 15.12.16 | Daily basis | 10:00       | 18:00     | General Mtc                                     |
| 8       | 400 KV                          | 400 KV D/Bad               | 400/220 kV 315 MVA, ICT-1      | A   | 19.12.16 | 19.12.16 | Daily basis | 09:00       | 16:00     | Annual mtc.                                     |
| 9       | 400 KV                          | 400 KV D/Bad               | 400/220 kV 315 MVA, ICT-3      | A   | 21.12.16 | 21.12.16 | Daily basis | 09:00       | 16:00     |   |

**APPROVED OUTAGE OF TRANSMISSION ELEMENTS GFOR THE MONTH OF 12/2016 ANNEXURE 3B(2)**

**UPPTCL ALL OUTAGES ARE APPROVED TENTATIVELY SUBJECT TO GRID CONDITIONS AND SPECIFIC REMARKS**

| Sl. No. | Detail of Transmission element |   | Category to which transmission element belong (A/B/C/D) | Period   |          | Time  |       | Reason   | Remark           |
|---------|--------------------------------|---|---|----------|----------|-------|-------|--|------------------|
|         | Voltage level                  | Name  |   | From     | To       | From  | To    |  |                  |
| 1       | 2                              | 3   | 4   | 7        | 8        | 9     | 10    | 11   | 12               |
| 1       | 400 kV                         | 400 kV Bus coupler alongwith 400KV A bus Unnao                | A   | 01.12.16 | 13.12.16 | 08:00 | 18:00 | For erection and commissioning of New Bus Bar Protection Panel in place of old Bus Bar Protection Panel. | Continuous Basis |
| 3       | 400 kV                         | 400 kV BUS COUPLER ALONG WITH 400 KV MAIN BUS-B Sarojaninagar | A   | 01.12.16 | 31.12.16 | 09:00 | 18:00 | FOR REPLACEMENT OF 400 KV ABCB OF BUS COUPLER BAY BY SF6 CIRCUIT BREAKER                                 | Continuous Basis |
| 4       | 400 kV                         | 315MVA ICT-I at 400 kV Sub-station, Muzaffarnagar             | A   | 02.12.16 | 02.12.16 | 11:00 | 14:00 | For painting of emulsifier system  | Daily Basis      |
| 5       | 400 kV                         | 500MVA ICT & its bay at 400 kV S/S Greater Noida              | A   | 02.12.16 | 02.12.16 | 10:00 | 14:00 | For general maintenance of Bay   | Daily Basis      |
| 6       | 400KV                          | 400/220KV 500MVA ICT-I at 400KV S/S Agra (UP)                 | A   | 02.12.16 | 02.12.16 | 09:00 | 16:00 | for routing testing & maintenance work.  | Daily basis.     |
| 7       | 400 kV                         | 400 kV, 315 MVA ICT - Ist at 400KV S/S, Azamgarh.             | A   | 05.12.16 | 05.12.16 | 08:00 | 18.00 | Commissioning of Bus Bar Protection panel by Service Engineer & general tightening of bay                | Daily Basis      |
| 8       | 400 kV                         | 400 kV, 315 MVA ICT - IIInd at 400 kV S/S, Azamgarh.          | A   | 06.12.16 | 06.12.16 | 08:00 | 18.00 | Commissioning of Bus Bar Protection panel by Service Engineer & general tightening of bay                | Daily Basis      |



|    |        |  |   |          |          |       |       |   |                  |
|----|--------|--|---|----------|----------|-------|-------|---|------------------|
| 9  | 400 kV | 400/220KV 240MVA ICT-I at Sultanpur  | A | 08.12.16 | 09.12.16 | 08:00 | 18:00 | For dismantling of 36 Mtr Span of 220KV Transfer Bus and 220KV B bus.   | Daily Basis      |
| 10 | 400 kV | 400/220 kV 240MVA ICT-I at Sultanpur   | A | 12.12.16 | 12.12.16 | 08:00 | 18:00 | Erection of 27+36 Mtr Span of 220KV Transfer Bus  | Daily Basis      |
| 11 | 400 kV | 400/220 kV 240MVA ICT-I at Sultanpur   | A | 13.12.16 | 14.12.16 | 08:00 | 18:00 | 1. Dismantling of 36 Mtr. Span of 220KV A Bus<br>2. Complete Erection of 220KV side columns & beams. 3. Erection of 27+36 Mtr Span of 220KV B Bus | Continuous Basis |
| 12 | 400 kV | 400 kV UNNAO-LUCKNOW LINE MAIN BREAKER UNNAO END (LINE REMAIN CHARGE THROUGH TBC | A | 13.12.16 | 18.12.16 | 09:00 | 18:00 | MAJOR OVERHAULING OF CIRCUIT BREAKER OF 400 KV UNNAO-LUCKNOW LINE   | Continuous Basis |
| 13 | 400 kV | 400/220KV 240MVA ICT-I at Sultanpur  | A | 15.12.16 | 15.12.16 | 08:00 | 18:00 | 1. For Erection of 220KV A Bus 2. For dismantling of 54 Mtr. Span of 400KV Transfer Bus   | Daily Basis      |
| 14 | 400 kV | 400 kV Transfer Bus Sultanpur  | A | 15.12.16 | 30.12.16 | 08:00 | 18:00 | For dismantling of 54 Mtr. Span, beam structure etc. of 400KV Transfer Bus For 400KV 315MVA New Transformer Bay erection                          | continuous basis |
| 15 | 400 kV | 400 kV 80MVAR Bus Reactor Sultanpur  | A | 15.12.16 | 30.12.16 | 08:00 | 18:00 | For dismantling of 54 Mtr. Span, beam structure etc. of 400KV Transfer Bus For 400KV 315MVA New Transformer Bay erection                          | continuous basis |
| 16 | 400 kV | 400 kV ICT-I at 400KV Substation, Moradabad                                      | A | 16.12.16 | 16.12.16 | 09:00 | 17:00 | General maintenance of T/F & Testing of protection relay.   | Daily Basis      |
| 17 | 400 kV | 400 kV B bus Sultanpur   | A | 16.12.16 | 16.12.16 | 08:00 | 18:00 | For B bus pantograph isolator maintenance of 400KV obra Bay   | Daily Basis      |

|    |        |   |   |          |          |       |       |   |                  |
|----|--------|---|---|----------|----------|-------|-------|---|------------------|
| 18 | 400 kV | 315 MVA ICT-(I) Bareilly                            | A | 16.12.16 | 05.01.17 | 08:00 | 18:00 | For Complete Overhauling of Transformer including replacement of Gasket and Centrifuging of Oil.  | Continuous Basis |
| 19 | 400KV  | 400KV 50MVAR bus reactor at 400KV S/S Panki         | A | 19.12.16 | 22.12.16 | 08:00 | 18:00 | Checking & tightening of clamps, attending oil leakage & over all painting work. <b>OCC deliberated and decided to defer the outage as Reactor outage in winter season is not viable.</b> | Daily basis.     |
| 20 | 400 kV | 315 MVA 400/220 KV ICT-I ALONGWITH MAIN BUS-A Unnao | A | 20.12.16 | 20.12.16 | 09:00 | 18:00 | CLEANING OF TRANSFORMER & COMPLETE OVERHAULING OF 29A & 29C ISOLATOR ALONWITH MAIN BUS-A  | Daily Basis      |
| 21 | 400 kV | 400/220KV 240MVA ICT-II at Sultanpur                | A | 21.12.16 | 21.12.16 | 08:00 | 18:00 | For Tightening of CT clamp, Jumpers etc. & other M&R works  | Daily Basis      |
| 22 | 400 kV | 400/220 kV 240MVA ICT-I at Sultanpur                | A | 29.12.16 | 30.12.16 | 08:00 | 18:00 | For stringing of R,Y,B Phase 54 Mtr. Span of 400KV Transfer Bus   | Daily Basis      |
| 23 | 400 kV | 400 kV ICT-I at Rewa Road S/s                       | A | 01.12.16 | 01.12.16 | 09:00 | 18:00 | For carrying out annual maintenacne of ICT-I at 400 kV Rewa Road S/s  | Daily            |
| 24 | 400 kV | 400 kV ICT-II at Rewa Road S/s                      | A | 03.12.16 | 03.12.16 | 09:00 | 18:00 | For carrying out annual maintenacne of ICT-II at 400 kV Rewa Road S/s   | Daily            |

| APPROVED OUTAGES FOR TRANSMISSION ELEMENTS FOR THE MONTGH OF 12/2016 |                               |                    |   |       |                               |                   |   |                        |           |          |         | PSTCL   | ANNEXURE3B(3) |
|--|-------------------------------|--------------------|---|-------|-------------------------------|-------------------|---|------------------------|-----------|----------|---------|---|---------------|
| Line Details   |                               |                    |   |       |                               |                   |   | Approved Date and Time |           |          |         | Remarks   |               |
| S No.  | Name of the Requesting agency | Voltage Level (KV) | Name of the Element                         | Owner | Inter Regional/Intra Regional | Daily /Continuous | Reason  | From Date              | From Time | To Date  | To time |   |               |
| 1  | TS Org                        | 400                | 400/220KV, 500 MVA ICT No. 2 at 400KV Dhuri | PSTCL | Inter regional                | Daily             | Interconnection of ICT-3 Bays with 220 KV Bus Bar at 400 KV Dhuri | 01.12.16               | 9.00      | 02.12.16 | 18.00   |   |               |
| 2  | P&M Org.                      | 400                | 400kV Busbar No. 1 at 400KV Makhu           | PSTCL | Inter regional                | Daily             | General Maintenance   | 02.12.16               | 9.00      | 02.12.16 | 17.00   |   |               |
| 3  | P&M Org.                      | 400                | 400kV Busbar No. 2 at 400KV Makhu           | PSTCL | Inter regional                | Daily             | General Maintenance   | 09.12.16               | 9.00      | 09.12.16 | 17.30   |   |               |
| 4  | P&M Org.                      | 400                | 400/220KV, 315 MVA ICT No. 1 at 400KV Makhu | PSTCL | Inter regional                | Daily             | General Maintenance   | 16.12.16               | 9.00      | 16.12.16 | 17.30   |   |               |
| 5  | P&M Org.                      | 400                | 400/220KV, 315 MVA ICT No. 2 at 400KV Makhu | PSTCL | Inter regional                | Daily             | General Maintenance   | 23.12.16               | 9.00      | 23.12.16 | 17.30   |   |               |
| 6  | P&M Org.                      | 400                | 400/220KV, 80MVAR Reactor at 400KV Makhu    | PSTCL | Inter regional                | Daily             | General Maintenance   | 26.12.16               | 9.00      | 26.12.16 | 17.30   | <b>OCC deliberated and decided to defer the outage as Reactor outage is not viable in winter season</b> |               |

**ALL OUTAGES APPROVED TENTATIVELY SUBJECT TO GRID CONDITIONS**

**ANNEXURE 3 B (4)**

**APPROVED OUTAGES OF TRANSMISSION ELEMENTS FOR THE MONTH OF 12/2016**

**POWER GRID NR I,II &II**

| S.N.                  | LINE/EQUIPT                   | Category | MODE  | DURATION   |       |            |       | PURPOSE  |
|-----------------------|-------------------------------|----------|-------|------------|-------|------------|-------|--|
|                       |                               |          |       | FROM       |       | TO         |       |  |
|                       |                               |          |       | DATE       | TIME  | DATE       | TIME  |  |
| <b>ICT , B/R, SVC</b> |                               |          |       |            |       |            |       |  |
| 1                     | 315MVA ICT-I at MEERUT        | A        | Daily | 02-12-16   | 08:00 | 02-12-16   | 18:00 | AMP work/Bushing C&tan delta   |
| 2                     | 315MVA ICT-II at MEERUT       | A        | Daily | 07-12-16   | 08:00 | 07-12-16   | 18:00 | AMP work/Bushing C&tan delta   |
| 3                     | 315MVA ICT-III at MEERUT      | A        | Daily | 09-12-16   | 08:00 | 09-12-16   | 18:00 | AMP work/Bushing C&tan delta   |
| 4                     | 500MVA ICT-IV at MEERUT       | A        | Daily | 20-12-16   | 08:00 | 20-12-16   | 18:00 | AMP work/Bushing C&tan delta   |
| 5                     | 315MVA ICT-I at KANKROLI      |          | Daily | 05-12-16   | 08:00 | 05-12-16   | 18:00 | AMP work/Bushing C&tan delta   |
| 6                     | 315MVA ICT-II at KANKROLI     | A        | Daily | 07-12-16   | 09:00 | 07-12-16   | 17:00 | AMP work/Bushing C&tan delta   |
| 7                     | 315MVA ICT-III at KANKROLI    | A        | Daily | 09-12-16   | 09:00 | 09-12-16   | 17:00 | AMP work/Bushing C&tan delta   |
| 8                     | 315MVA ICT-I at SONIPAT       |          | Daily | 05-12-16   | 08:00 | 05-12-16   | 18:00 | AMP work/Bushing C&tan delta   |
|                       | 500MVA ICT-III at MAHRANIBAG  | A        | Daily | 01-12-16   | 08:00 | 01-12-16   | 18:00 | AMP work/Bushing C&tan delta   |
|                       | 500MVA ICT-IV at MAHRANIBAG   | A        | Daily | 02-12-16   | 08:00 | 02-12-16   | 18:00 | AMP work/Bushing C&tan delta   |
|                       | 500MVA ICT-I BALLABHGARH      | A        | Daily | 01-12-16   | 08:00 | 05-12-16   | 18:00 | Internal inspection due to increased Fault gases in DGA.   |
|                       | 400kv BUS-I at SONIPAT        | A        | Daily | 25-11-16   | 08:00 | 26-11-16   | 18:00 | Bus Extension for Commissioning of new 125MVAR B/Reactor at Sonipat                              |
|                       | 400kv BUS-II at SONIPAT       | A        | Daily | 28-11-16   | 08:00 | 29-11-16   | 18:00 | Bus Extension for Commissioning of new 125MVAR B/Reactor at Sonipat                              |
|                       | 400KV BUS-I at JHATIKRA       |          | Daily | 03-12-16   | 09:00 | 04-12-16   | 17:00 | Installation of Polymer insulators at S/S and line.  |
|                       | 400KV BUS-II at JHATIKRA      |          | Daily | 05-12-16   | 09:00 | 06-12-16   | 17:00 | Installation of Polymer insulators at S/S and line.  |
|                       | 400KV BUS-III at JHATIKRA     |          | Daily | 07-12-16   | 09:00 | 08-12-16   | 17:00 | Installation of Polymer insulators at S/S and line.  |
|                       | 400KV BUS-IV at JHATIKRA      |          | Daily | 09-12-16   | 09:00 | 10-12-16   | 17:00 | Installation of Polymer insulators at S/S and line.  |
| 9                     | 400kv BUS-I at Jaipur(S)      | A        | Cont  | 01-12-16   | 08:00 | 05-12-16   | 18:00 | Stringing work of Bus Extension for RAAP and Kota line bays.                                     |
| 10                    | 400kv BUS-II at Jaipur(S)     | A        | Cont  | 06-12-16   | 08:00 | 10-12-16   | 18:00 | Stringing work of Bus Extension for RAAP and Kota line bays.                                     |
| 11                    | 400kv BUS-I at BASSI          | A        | Daily | 21-12-16   | 08:00 | 21-12-16   | 18:00 | AMP work/CVT C&tan delta   |
| 12                    | 400kv BUS-II at BASSI         | A        | Daily | 22-12-16   | 08:00 | 22-12-16   | 18:00 | AMP work/CVT C&tan delta   |
|                       | 400kv BUS-I at BHIWANI        | A        | Daily | 14-12-16   | 08:00 | 17-12-16   | 18:00 | Cleaning/polymer installation in SS with respective line/ICT bays.                               |
|                       | 400kv BUS-II at BHIWANI       | A        | Daily | 19-12-16   | 08:00 | 30-12-16   | 18:00 | Cleaning/polymer installation in SS with respective line/ICT bays.                               |
|                       | 220kv BUS-I at Jaipur South   | B        | daily | 05-12-16   | 10:00 | 05-12-16   | 14:00 | S/D for Bus Coupler isolator Jumping with Jack Bus. There will be no supply to RRVPN feeders.    |
|                       | 220kv BUS-II at Jaipur South  | B        | daily | 05-12-16   | 10:00 | 05-12-16   | 14:00 | S/D for Bus Coupler isolators Jumpering with Jack Bus. There will be no supply to RRVPN feeders. |
| 13                    | 220kv BUS-II at Mandola       | A        | daily | 02-12-16   | 08:00 | 02-12-16   | 18:00 | AMP work/CVT C&tan delta   |
| 14                    | 220kv BUS-IV at Mandola       | A        | daily | 13-12-16   | 08:00 | 13-12-16   | 18:00 | AMP work/CVT C&tan delta   |
| <b>NR-III</b>         |                               |          |       |            |       |            |       |  |
| 1                     | 400 KV 315 MVA ICT-1 Fatehpur | 400KV    | Daily | 26.12.2016 | 09:30 | 26.12.2016 | 18:00 | AMP Work at Fatehpur   |
| 2                     | 400 KV 315 MVA ICT-2 Fatehpur | 400KV    | Daily | 28.12.2016 | 09:30 | 28.12.2016 | 18:00 | AMP Work at Fatehpur   |
| 3                     | 400kv BUS-I at SHAHJAHANPUR   | A        | Daily | 01-12-16   | 08:00 | 02-12-16   | 18:00 | Bus Bar protection testing and integration work for new bays.                                    |
| 4                     | 400kv BUS-II at SHAHJAHANPUR  | A        | Daily | 03-12-16   | 08:00 | 04-12-16   | 18:00 | Bus Bar protection testing and integration work for new bays.                                    |

|    |  |       |       |            |       |            |       |  |
|----|--|-------|-------|------------|-------|------------|-------|--|
| 5  | Bus-II Sohawal   | 400   | DAILY | 01-12-16   | 09:00 | 02-12-16   | 18:00 | AMP Work & Bus-Reactor - 1 & 2 Jumpering Work for commissioning of Bus Reactors , At Sohawal   |
| 6  | Bus-I Sohawal  | 400   | DAILY | 05-12-16   | 09:00 | 06-12-16   | 18:00 | Bus-Reactor - 1 & 2 Jumpering Work for commissioning of Bus Reactors at Sohawal  |
| 7  | 400 KV Bus-1 Fatehpur  | 400KV | Daily | 01.12.2016 | 09:30 | 01.12.2016 | 18:00 | AMP Work & Hot Spot Attending at Fatehpur  |
| 8  | Bus-1 at Moradabad (UPPTCL) S/S  | 400KV | Daily | 01.12.16   | 9.00  | 04.12.16   | 17:00 | Under replacement as per CERC order for add cap in Singrauli Transmission system ( Dejumping and crane mobilisation for Bus Isolator replacement under add cap) (S/D was approved in 127 th OCC meeting for October-16 but could not availed due to requirement of extra material for retrofitting use ) at BAREILLY |
| 9  | Bus-2 at Moradabad (UPPTCL) S/S  | 400KV | Daily | 05.12.16   | 9.00  | 08.12.16   | 17:00 |  |
| 10 | 403 Bay (Main Bay Unnao-1) at 400/220 KV Lucknow Substation              |       | Cont  | 01-12-2016 | 08:00 | 03-12-2016 | 18:00 | Integration for 400kVPole-4 dia with 400kV Bus   |
| 11 | 405 Bay (Tie bay ICT-2-Unnao-2) at 400/220 KV Lucknow Substation         |       | Cont  | 05-12-2016 | 08:00 | 07-12-2016 | 18:00 | Integration for 400kVPole-4 dia with 400kV Bus   |
| 12 | 406 Bay ( Main Bay Unnao-2) at 400/220 KV Lucknow Substation             |       | Cont  | 08-12-2016 | 08:00 | 10-12-2016 | 18:00 | Integration of 400kV Sikar-1 Bays with 400kV Bus   |
| 13 | 408 Bay (Tie Bay Sulatnpur-Gorakhpur-1) at 400/220 KV Lucknow Substation |       | Cont  | 12-12-2016 | 08:00 | 14-12-2016 | 18:00 | Integration of 400kV Sikar-2 Bays with 400kV Bus   |
| 14 | 409 Bay (Main Bay Gorakhpur-1) at 400/220 KV Lucknow Substation          |       | Cont  | 15-12-2016 | 09:00 | 17-12-2016 | 17:00 | For AMP work   |
| 15 | 411 Bay (Tie Bay S.nagar-Gorakhpur-2) at 400/220 KV Lucknow Substation   |       | Cont  | 19-12-16   | 09:00 | 21-12-16   | 18:00 | AMP work   |
| 16 | 412 Bay (Main Bay Gorakhpur-2) at 400/220 KV Lucknow Substation          |       | Cont  | 22-12-16   | 09:00 | 24-12-16   | 18:00 | AMP work   |
| 17 | 413 Bay ( Main bay Roza) at 400/220 KV Lucknow Substation                |       | Cont  | 26-12-16   | 09:00 | 28-12-16   | 18:00 | AMP work   |
| 18 | 414 Bay (Tie Bay Roza- Sohawal-1) at 400/220 KV Lucknow Substation       |       | Cont  | 29-12-16   | 09:00 | 31-12-16   | 18:00 | AMP work   |
| 19 | 400kV Bus Reactor-2  | 400KV | DAILY | 08.12.16   | 09:00 | 08.12.16   | 18:00 | For DGA sampling and AMP works. at Agra  |
| 20 | 400kV Bus Reactor-2 Main Bay(435)  | 400KV | DAILY | 15.12.16   | 09:00 | 15.12.16   | 18:00 | For Bay AMP Works at Agra  |
| 21 | 400kV ICT-2/Bus Reactor-2 Tie Bay(434)                                   | 400KV | DAILY | 16.12.16   | 09:00 | 16.12.16   | 18:00 | For Bay AMP Works at Agra  |
| 22 | Main Bay of 400KV Fatehpur-2 Line (412)                                  | 400KV | DAILY | 02.12.16   | 09:00 | 02.12.16   | 18:00 | For Bay AMP Works. At Mainpuri   |
| 23 | Tie Bay of 400KV Ballabgarh-2 Line and Future Bay (414)                  | 400KV | DAILY | 05.12.16   | 09:00 | 05.12.16   | 18:00 | For Bay AMP Works. At Mainpuri   |
| 24 | 125MVAR Bus Reactor Main Bay(416)  | 400KV | DAILY | 07.12.16   | 09:00 | 07.12.16   | 18:00 | For Bay AMP Works. At Mainpuri   |
| 25 | 400 KV Meerut-1 Main Bay   | 400KV | Daily | 21.12.16   | 10.00 | 21.12.16   | 18:00 | Annual Maintenance work at BAREILLY  |
| 26 | 400 KV Roza Main Bay   | 400KV | Daily | 23.12.16   | 10.00 | 23.12.16   | 18:00 | Annual Maintenance work at BAREILLY  |
| 27 | a-Patna-2 & Ballia-Patna-3 tie Bay(                                      | 400KV | Daily | 05.12.16   | 09:00 | 05.12.16   | 17:30 | AMP works of Bay(Line will remain charged through tie bay) at BALIA  |
| 28 | 0KV Ballia-Mau-2 tie Bay(Bay No.4  | 400KV | Daily | 07.12.16   | 09:00 | 07.12.16   | 17:30 | AMP works of Bay(Line will remain charged through tie bay) at BALIA  |
| 29 | 0KV Bus Reactor-2 Bay(Bay No.4   | 400KV | Daily | 09.12.16   | 09:00 | 09.12.16   | 17:30 | AMP works of Bay(Bus Reactor will remain charged through tie bay) at BALIA   |
| 30 | 0KV Bus Reactor-3 Bay(Bay No.4   | 400KV | Daily | 12.12.16   | 09:00 | 12.12.16   | 17:30 | AMP works of Bay(Bus Reactor will remain charged through tie bay) at BALIA   |
| 31 | 400kV Bus Reactor-3  | 400KV | Daily | 20.11.2016 | 09:30 | 20.11.2016 | 17:30 | AMP Activity of Bus Recator at Balia   |
| 32 | 402 Bay Patna-1 Tie Bay  | 400KV | Daily | 29.11.2016 | 09:30 | 29.11.2016 | 17:30 | Bay AMP Activities At Balia  |
| 33 | 407 Main bay of 400 KV ICT-1   | 400KV | Daily | 7.12.2016  | 09:30 | 07.12.2016 | 18:00 | AMP Work at Fatehpur   |
| 34 | 410 Main bay of 400 KV ICT-2   | 400KV | Daily | 9.12.2016  | 09:30 | 09.12.2016 | 18:00 | AMP Work at Fatehpur   |
| 35 | 416 Main bay of 400 KV Bus Reactor-1                                     | 400KV | Daily | 12.12.2016 | 09:30 | 12.12.2016 | 18:00 | AMP Work at Fatehpur   |
| 36 | 419 Main bay of 400 KV Bus Reactor-2                                     | 400KV | Daily | 14.12.2016 | 09:30 | 14.12.2016 | 18:00 | AMP Work at Fatehpur   |
| 37 | 425 Main bay of 765 KV ICT-1   | 400KV | Daily | 16.12.2016 | 09:30 | 16.12.2016 | 18:00 | AMP Work at Fatehpur   |
| 38 | 431 Main bay of 765 KV ICT-2   | 400KV | Daily | 19.12.2016 | 09:30 | 19.12.2016 | 18:00 | AMP Work at Fatehpur   |

|              |                                     |              |       |            |       |            |       |  |
|--------------|-------------------------------------|--------------|-------|------------|-------|------------|-------|--|
| 39           | 400 KV Bus Reactor-1                | 400KV        | Daily | 21.12.2016 | 09:30 | 21.12.2016 | 18:00 | AMP Work at Fatehpur   |
| 40           | 400 KV Bus Reactor-2                | 400KV        | Daily | 23.12.2016 | 09:30 | 23.12.2016 | 18:00 | AMP Work at Fatehpur   |
| 41           | ICT-2 Main Bay No.415               | 400KV        | Daily | 12.12.16   | 09:30 | 12.12.16   | 17:30 | Bay S/D Only, Shahjahapur  |
| 42           | Lucknow-I Main Bay No.407           | 400KV        | Daily | 16.12.16   | 09:30 | 16.12.16   | 17:30 | Bay S/D Only, Shahjahapur  |
| 43           | Reactor Main Bay No. 412            | 400KV        | Daily | 19.12.16   | 09:30 | 19.12.16   | 17:30 | Bay S/D Only, Shahjahapur  |
| 44           | 220 KV ICT-1 Bay(201)               | <b>220kv</b> | DAILY | 09.12.16   | 09:00 | 09.12.16   | 18:00 | For Bay AMP Works at Mainpuri  |
| 45           | 220kV Transfer Bus Coupler Bay(202) | <b>220kv</b> | DAILY | 12.12.16   | 09:00 | 12.12.16   | 18:00 | For Bay AMP Works at Mainpuri  |
| 46           | 220KV ICT-2 Bay(203)                | <b>220kv</b> | DAILY | 14.12.16   | 09:00 | 14.12.16   | 18:00 | For Bay AMP Works at Mainpuri  |
| 47           | 220 KV Bus-1                        | <b>220kv</b> | DAILY | 02.12.2016 | 09:30 | 02.12.2016 | 18:00 | AMP Work at Fatehpur   |
| 48           | 220 KV Bus-2                        | <b>220kv</b> | DAILY | 05.12.2016 | 09:30 | 05.12.2016 | 18:00 | AMP Work at Fatehpur   |
| 49           | ICT-2 Main Bay No.204               | <b>220kv</b> | DAILY | 13.12.16   | 09:30 | 13.12.16   | 17:30 | Bay S/D Only, Shahjahapur  |
| 50           | ICT-1 Main Bay No. 201              | <b>220kv</b> | DAILY | 15.12.16   | 09:30 | 15.12.16   | 17:30 | Bay S/D Only, Shahjahapur  |
| <b>NR-II</b> |                                     |              |       |            |       |            |       |  |
| 51           | 400KV BUS 1 KATHAL                  | <b>400KV</b> | DAILY | 15.12.2016 | 09:00 | 15.12.2016 | 17:00 | For connection of jumpers to newly constructed bays of LILO OF Dadri Malerkotla line |
| 52           | 400KV BUS 2 KATHAL                  | <b>400KV</b> | DAILY | 16.12.2016 | 09:00 | 16.12.2016 | 17:00 | For connection of jumpers to newly constructed bays of LILO OF Dadri Malerkotla line |
| 53           | 400KV bus 2 KISHENPUR               | <b>400KV</b> | DAILY | 9.12.16    | 09:30 | 9.12.16    | 17:30 | AMP Works  |
| 54           | 315MVA ICT-3Ludhiana                | <b>400KV</b> | DAILY | 12.12.2016 | 09:00 | 12.12.2016 | 18:00 | AMP Work   |
| 55           | 500MVA ICT4 at Ludhiana             | <b>400KV</b> | DAILY | 15.12.2016 | 09:00 | 05.12.2016 | 18:00 | AMP Work   |
| 56           | 315 MVA ICT-2 at Hamirpur           | <b>400KV</b> | DAILY | 9.12.16    | 10:00 | 9.12.16    | 17:00 | AMPWorks   |

**RAJASTHAN RAJYA VIDYUT PRASARAN NIGAM LIMITED**

**APPROVED OUTAGES OF TRANSMISSION ELEMENTS FOR THE MONTH OF 12/2016**

**ANNEXURE 3 B(5)**

ALL OTAGES APPROVED TENTATIVELY SUBJECT TO GRID CONDITIONS

| S.No. | Details of Transmission element |   | Category to which transmission element belong (A/B/C/D) | Date       |            | Timings   |           | Type of Shutdown       | Purpose  | Remarks  |
|-------|---------------------------------|---|---|------------|------------|-----------|-----------|------------------------|--|--|
|       | Voltage Level                   | Name  |   | From       | To         | From      | To        | Daily/Continuous Basis |  |  |
| 1     | 400 KV                          | 400KV Bus-C at 765KV GSS Phagi                                      | A   | 20.12.2016 | 22.12.2016 | 10.00Hrs  | 18.00Hrs  | Daily                  | 1. For the tightening of clamps & connectors of 6" IPS Al. tube of Main Bus.C.. 2.Tightening of clamps & connectors of inter-connections of inverted Y of 5" IPS Al. tube to 6" IPS Al. tube of 400 KV Bus-C for different bays. | All the 400KV line,125MVAR Bus reactor & LV side of Tr. Bank will remain charged through Bus-D |
| 2     | 400 KV                          | 400/220 KV 315 MVA TELK TRF-I at 400KV GSS Barmer                   | A   | 15.12.2016 | 15.12.2016 | 10:00 Hrs | 18:00 Hrs | Daily                  | Annual Maintenance   |  |
| 3     | 400 KV                          | 400/220 KV 315 MVA CGL TRF-II at 400KV GSS Barmer                   | A   | 22.12.2016 | 22.12.2016 | 10:00 Hrs | 18:00 Hrs | Daily                  | Annual Maintenance   |  |
| 4     | 400 KV                          | 400KV ICT-I Bay & 400/220/33KV 315MVA Tr.-I at 400KV GSS Bhilwara   | A   | 03.12.2016 | 03.12.2016 | 09:00HRS  | 17:00HRS  | Daily                  | Routine Maintenance of 400KV ICT-I Bay & associated equipments and 400/220/33KV 315MVA Tr-I  |  |
| 5     | 400 KV                          | 400KV ICT-II Bay & 400/220/33KV 315MVA Tr.-II at 400KV GSS Bhilwara | A   | 05.12.2016 | 05.12.2016 | 09:00HRS  | 17:00HRS  | Daily                  | Routine Maintenance of 400KV ICT-II Bay & associated equipments and 400/220/33KV 315MVA Tr. II   |  |
| 6     | 400 KV                          | 400 KV 50 MVAR Bus Reactor at 400KV GSS Bikaner                     | A   | 06.12.2016 | 06.12.2016 | 10.00Hrs  | 17:00HRS  | Daily                  | Routine Bay maintenance  |  |
| 7     | 400 KV                          | 400/220/33 KV 315 MVA ICT-I at 400KV GSS Bikaner                    | A   | 07.12.2016 | 07.12.2016 | 10.00Hrs  | 17:00HRS  | Daily                  | Routine Bay maintenance  |  |

| S.No. | Details of Transmission element |   | Category to which transmission element belong (A/B/C/D) | Date       |            | Timings  |          | Type of Shutdown       | Purpose   | Remarks |
|-------|---------------------------------|---|---|------------|------------|----------|----------|------------------------|---|---------|
|       | Voltage Level                   | Name  |   | From       | To         | From     | To       | Daily/Continuous Basis |   |         |
| 8     | 400 KV                          | 400/220/33 KV 315 MVA ICT-II at 400KV GSS Bikaner             | A   | 08.12.2016 | 08.12.2016 | 10.00Hrs | 17:00HRS | Daily                  | Routine Bay maintenance   |         |
| 9     | 400 KV                          | 400 KV Tie Bay of Bikaner-STPS line                           | A   | 09.12.2016 | 09.12.2016 | 10.00Hrs | 17:00Hrs | Daily                  | Routine Bay maintenance   |         |
| 10    | 400 KV                          | 400 KV Bikaner-Deedwana Tie Bay                               | A   | 10.12.2016 | 16.12.2016 | 10.00Hrs | 17:00Hrs | Continuous Basis       | Jumpering-400 KV Main Bus -1 to Isolator and Remote Operation for Isolator from KIOSK Removing of Existing Jumper and IPS tube fixing Breaker to Isolator in Deedwana Bay |         |
| 11    | 400 KV                          | 400 KV Main Bus-I at 400KV GSS Bikaner                        | A   | 10.12.2016 | 16.12.2016 | 10.00Hrs | 17:00HRS | Continuous Basis       | Jumpering-400 KV Main Bus -1 to Isolator and Remote Operation for Isolator from KIOSK Removing of Existing Jumper and IPS tube fixing Breaker to Isolator in Deedwana Bay |         |
| 12    | 400 KV                          | 400 KV Main Bus-II at 400KV GSS Bikaner                       | A   | 17.12.2016 | 21.12.2016 | 10.00Hrs | 17:00HRS | Continuous Basis       | Jumpering-400 KV Main Bus-2 to Isolator and Remote Operation for Isolator from KIOSK  |         |
| 13    | 400 KV                          | 400KV MAIN BUS-I at 400KV GSS Hindaun                         | A   | 20.12.2016 | 20.12.2016 | 10.00Hrs | 15.30Hrs | Daily                  | Quaterly Maintance  |         |
| 14    | 400 KV                          | 50 MVAR REACTOR-1 at KaTPP, Jhalawar                          | A   | 05.12.2016 | 09.12.2016 | 10.00Hrs | 17:00HRS | Continuous Basis       | Annual Maintenance  |         |
| 15    | 400 KV                          | 400 KV 552 T CB OF RATANGARH LINE & ILT-II at 400KV GSS Merta | A   | 07.12.16   | 07.12.16   | 09.00Hrs | 17:00Hrs | Daily                  | Illrd Quarterly Maintenance work  |         |



| S.No. | Details of Transmission element |   | Category to which transmission element belong (A/B/C/D) | Date     |          | Timings  |          | Type of Shutdown       | Purpose                          | Remarks |
|-------|---------------------------------|---|---|----------|----------|----------|----------|------------------------|----------------------------------|---------|
|       | Voltage Level                   | Name  |   | From     | To       | From     | To       | Daily/Continuous Basis |                                  |         |
| 16    | 400 KV                          | 400/220/33 KV ,315 MVA ILT-I at 400KV GSS Merta                     | A   | 09.12.16 | 09.12.16 | 09.00Hrs | 17:00Hrs | Daily                  | Illrd Quarterly Maintenance work |         |
| 17    | 400 KV                          | 400 KV 652 B CB OF HEERAPURA LINE at 400KV GSS Merta                | A   | 12.12.16 | 12.12.16 | 09.00Hrs | 17:00Hrs | Daily                  | Illrd Quarterly Maintenance work |         |
| 18    | 400 KV                          | 400 KV 752 A CB OF MERTA-KOTA LINE & REACTOR -II at 400KV GSS Merta | A   | 14.12.16 | 14.12.16 | 09.00Hrs | 17:00Hrs | Daily                  | Illrd Quarterly Maintenance work |         |
| 19    | 400 KV                          | 400/220/33 KV ,315 MVA ILT-II at 400KV GSS Merta                    | A   | 15.12.16 | 15.12.16 | 09.00Hrs | 17:00Hrs | Daily                  | Illrd Quarterly Maintenance work |         |
| 20    | 400 KV                          | 400 KV 752 B CB OF MERTA-KOTA LINE & REACTOR -II at 400KV GSS Merta | A   | 16.12.16 | 16.12.16 | 09.00Hrs | 17:00Hrs | Daily                  | Illrd Quarterly Maintenance work |         |
| 21    | 400 KV                          | 400 KV 852 A CB OF MERTA-SCL(BEAWAR) LINE at 400KV GSS Merta        | A   | 19.12.16 | 19.12.16 | 09.00Hrs | 17:00Hrs | Daily                  | Illrd Quarterly Maintenance work |         |
| 22    | 400 KV                          | 400 KV 852 B CB OF MERTA-SCL(BEAWAR) LINE at 400KV GSS Merta        | A   | 20.12.16 | 20.12.16 | 09.00Hrs | 17:00Hrs | Daily                  | Illrd Quarterly Maintenance work |         |
| 23    | 400 KV                          | 400 KV 652 A CB WITH 50 MVAR REACTOR-I at 400KV GSS Merta           | A   | 22.12.16 | 22.12.16 | 09.00Hrs | 17:00Hrs | Daily                  | Illrd Quarterly Maintenance work |         |

| S.No. | Details of Transmission element |  | Category to which transmission element belong (A/B/C/D) | Date       |            | Timings  |           | Type of Shutdown       | Purpose  | Remarks |
|-------|---------------------------------|--|---|------------|------------|----------|-----------|------------------------|--|---------|
|       | Voltage Level                   | Name   |   | From       | To         | From     | To        | Daily/Continuous Basis |  |         |
| 24    | 400 KV                          | 400 KV Main Bus-I at 400KV GSS Akal, Jaisalmer         | A   | 13.12.16   | 15.12.16   | 09.00Hrs | 18:00 Hrs | Daily                  | ERECTION OF G1 & G2 BEAM BY M/S TECHNO                         |         |
| 25    | 400 KV                          | 400 KV Main Bus-II at 400KV GSS Akal, Jaisalmer        | A   | 16.12.2016 | 17.12.2016 | 09.00Hrs | 18:00 Hrs | Daily                  | ERECTION OF G2 BEAM BY M/S TECHNO                              |         |
| 26    | 400 KV                          | 400/220 KV,500 MVA,ICT-IV at 400KV GSS Akal, Jaisalmer | A   | 15.12.2016 | 16.12.2016 | 09.00Hrs | 18:00 Hrs | Daily                  | ERECTION OF 400 KV EQUIPMENTS ON NEWLY COST. BAY BY M/S TECHNO |         |
| 27    | 400 KV                          | 50MVAR Shunt Reactor 400KV GSS Jodhpur                 | A   | 09.12.16   | 09.12.16   | 09.00Hrs | 18:00 Hrs | Daily                  | Illrd Quarterly Maintenance work                               |         |
| 28    | 400 KV                          | 400 KV Main Bus A at 400KV GSS Jodhpur                 | A   | 16.12.2016 | 16.12.2016 | 09.00Hrs | 18:00 Hrs | Daily                  | Illrd Quarterly Maintenance work                               |         |
| 29    | 400 KV                          | 400 KV Hindaun-Alwar Bay at 400KV GSS Hindaun          | A   | 07.12.2016 | 07.12.2016 | 10.00Hrs | 15:30 Hrs | Daily                  | Quaterly Maintance   |         |
| 30    | 400 KV                          | 401 KV Main Bus B at 400KV GSS Jodhpur                 | A   | 22.12.16   | 22.12.16   | 09.00Hrs | 18:00 Hrs | Daily                  | Illrd Quarterly Maintenance work                               |         |

**DELHI TRANSCO LIMITED (SLDC)**

**Approved Outages of TRANSMISSION ELEMENTS for the month of December 2016**

**ANNEXURE 3B(6)**

**ALL OUTAGES APPROVED TENTATIVELY SUBJECT TO GRID CONDITIONS**

| S.No | Details of Transmission Element |  | Category | Shutdown Type | From       |           | To         |           | Work to be Carried  | Reason   |
|------|---------------------------------|--|----------|---------------|------------|-----------|------------|-----------|---|--|
|      | Voltage Level                   | Name                                     |          |               | Date       | Time      | Date       | Time      |   |  |
| 1    | 400KV                           | 315MVA ICT-5 at Bawana                   | A        | Daily Basis   | 05.12.2016 | 09:30 Hrs | 05.12.2016 | 17:30 Hrs | To carryout Digging for Foundation for erection of BPI to support the pipe between 315MVA ICT-5 and Cable bushings. | Load will Be run Through other ICT's 1,2,3,4&6   |
| 2    | 400KV                           | 315MVA ICT-6 at Bawana                   | A        | Daily Basis   | 06.12.2016 | 09:30 Hrs | 06.12.2016 | 17:30 Hrs | To carryout Digging for Foundation for erection of BPI for support the pipe between 315MVA ICT-6 and Cable bushings | Load will Be run Through other ICT's 1,2,3,4&5   |
| 3    | 400KV                           | 315MVA ICT-5 at Bawana                   | A        | Daily Basis   | 07.12.2016 | 09:30 Hrs | 07.12.2016 | 17:30 Hrs | To carryout rafting and reinforcement of the foundation   | Load will Be run Through other ICT's 1,2,3,4&6   |
| 4    | 400KV                           | 315MVA ICT-6 at Bawana                   | A        | Daily Basis   | 08.12.2016 | 09:30 Hrs | 08.12.2016 | 17:30 Hrs | To carryout rafting and reinforcement of the foundation   | Load will Be run Through other ICT's 1,2,3,4&5   |
| 5    | 400KV                           | 315MVA ICT-5 at Bawana                   | A        | Daily Basis   | 09.12.2016 | 09:30 Hrs | 09.12.2016 | 17:30 Hrs | To carryout Shuttering & RCC work of foundation of BPI  | Load will Be run Through other ICT's 1,2,3,4&6   |
| 6    | 400KV                           | 315MVA ICT-6 Bawana                      | A        | Daily Basis   | 10.12.2016 | 09:30 Hrs | 10.12.2016 | 17:30 Hrs | To carryout shuttering & RCC work of foundation of BPI  | Load will Be run Through other ICT's 1,2,3,4&5   |
| 7    | 400kV                           | 315MVA ICT-5 at Bawana                   | A        | Continuous    | 14.12.2016 | 09:30 Hrs | 16.12.2016 | 17:30Hrs  | To carryout erection BPI and pipe between 315MVA ICT-5 and Cable bushings.  | Load will Be run Through other ICT's 1,2,3,4&6   |
| 8    | 400kV                           | 315MVA ICT-6 at Bawana                   | A        | Continuous    | 17.12.2016 | 09:30 Hrs | 19.12.2016 | 17:30Hrs  | To carryout erection BPI and pipe between 315MVA ICT-5 and Cable bushings.  | Load will Be run Through other ICT's 1,2,3,4&6   |
| 9    | 400kV                           | 400kV CB No 426-52 of ICT-6 at Bawana    | A        | Daily Basis   | 15.12.2016 | 09:30 Hrs | 15.12.2016 | 13:00hrs  | Annual Maintenance and tan delta testing as per OS manual   | Transformer will run through Tie CB 42552  |
| 10   | 400kV                           | 400kV CB No 420-52 of ICT-1 at Bawana    | A        | Daily Basis   | 16.12.2016 | 09:30 Hrs | 16.12.2016 | 17:30Hrs  | Annual Maintenance and tan delta testing as per OS manual   | Transformer will run through Tie CB 42152  |
| 11   | 400 kV                          | CB No. 752 of ICT 3 at Bawana            | A        | Daily Basis   | 21.12.2016 | 09:30 Hrs | 21.12.2016 | 17:00hrs  | Annual Maintenance & testing as per OS manual   | Transformer will run through Tie CB 652 & 552  |
| 12   | 400 kV                          | CB No. 1052 of ICT 2 at Bawana           | A        | Daily Basis   | 22.12.2016 | 09:30 Hrs | 22.12.2016 | 17:30hrs  | Annual Maintenance & testing as per OS manual   | Transformer will run through Tie CB 952 & 1052   |
| 13   | 400kV                           | 400kV CB-2352 (315MVA,ICT-4) at Bamnauli | A        | Continuous    | 05.12.2016 | 09:30 hrs | 10.12.2016 | 17:30 hrs | To carry out the overhauling of CB  | 400kV CB-2352 is already in OFF position because of Split mode operation at 400KV level at Bamnauli. During Shutdown of 400kV CB-2352 ,315MVA ICT -4 will remain charged through 400kV CB-2452.                      |
| 14   | 400kV                           | 400kV CB-2452 (315MVA,ICT-4) at Bamnauli | A        | Continuous    | 12.12.2016 | 09:30 hrs | 17.12.2016 | 17:30 hrs | To carry out the overhauling of CB  | During Shutdown of 400kV CB-2452, The other 400KV CB-2352 will be taken in service to charge 315MVA ,ICT-4 through 400kV Bus-I .which is in OFF position because of Split mode operation at 400KV level at Bamnauli. |

**APPROVED OUTAGES FOR THE MONTH OF DECEMBER 2016      ANNEXURE3B(7)**  
**PDD J&K**

|    | <b>Name of Division</b> | <b>Name of G/Stn./ Trans.Lines</b>   | <b>Proposed date and time of shutdown.</b>  |
|----|-------------------------|--|---|
| 1. | TLMD-II, Jammu.         | 220/132/33 KV Grid Station Gladni.   | 04-12-2016<br>0800 Hrs. to 1400 Hrs.  |
| 2. | G.C.D, Jammu.           | 320MVA,220/132/66KV<br>G/Stn.Hiranagar including 220KV<br>Sarna-Hiiranagar& Hiranagar-Gladni<br>Tr. Lines alongwith 132KV Hiranagar-<br>Sewa-II D/C Tr. Line .                           | 11-12-2016<br><br>0800 Hrs. to 1400 Hrs.  |
| 3. | TLCD-I, Jammu           | 220/132 KV G/Station Bishnah<br>and 220KV Hiranagar-Bishnah Trans.<br>Line.  | 11-12-2016<br>0800 Hrs. to 1400 Hrs.  |
| 4. | TLCD-II, Jammu          | a-220/132/33KV G/S Barn<br>b-220 KV D/C Barn-Kishenpur<br>Trans. Line(BKTL)  | 18-12-2016<br>0800 Hrs. to 1400 Hrs.  |
| 5. | TLMD-III, Udhampur      | a- 220/132/33KV G/S Ramban<br><br>b- 220KV D/C KPTL<br>Kishenpur-Ramban-(Ckt.-I& II)<br><br>c- 220/132/33KV Grid Station<br>Udhampur.<br><br>d- 220KV S/C Sarna-Udhampur<br>Trans. Line. | 18-12-2016<br>0800 to 1400 Hrs.<br><br>18-12-2016<br>0800Hrs. to 1400 Hrs.<br><br>25-12-2016<br>0800 Hrs. to 1400 Hrs.<br><br>25-12-2016<br>0800 Hrs. to 1400Hrs. |

**The shutdown shall be subject to fair weather conditions.**  
**ALL OUTAGES APPROVED TENTATIVELY SUBJECT TO GRID CONDITIONS**

**APPROVED OUTAGE OF TRANSMISSION ELEMENTS FOR THE MONTH OF DECEMBER, 2016**

NHPC

ALL OUTAGE APPROVED TENTATIVELY SUBJECT TO GRID CONDITIONS

ANNEXURE 3(B)8

| Indenting Agency |                                | NHPC Ltd.          |                     |                        | Date              |   |                        |           |            |         |
|------------------|--------------------------------|--------------------|---------------------|------------------------|-------------------|---|------------------------|-----------|------------|---------|
| Sl. No.          | Name of the Requesting Agency  | Line Details       |                     |                        | Daily/ Continuous | Reason  | Approved Date and Time |           |            |         |
|                  |                                | Voltage Level (kV) | Name of the Element | Inter / Intra Regional |                   |   | From Date              | From Time | To Date    | To Time |
| 1                | Salal Power Station, NHPC Ltd. | 220 KV             | BUS-A               | Intra Regional         | Continuous        | Annual maintenance of Bus-A and Bus-A EHV equipments of respective units and feeders. | 05-12-2016             | 08:00     | 14-12-2016 | 20:00   |
| 2                | Salal Power Station, NHPC Ltd. | 220 KV             | BUS-B               | Intra Regional         | Continuous        | Annual maintenance of Bus-Band Bus-B EHV equipments of respective units and feeders.  | 16-12-2016             | 08:00     | 28-12-2016 | 20:00   |

UTTARAKHAND

| Sl. No. | Name of the Requesting Agency | Line Details       |                        |                        | Daily/ Continuous | Reason  | Approved Date and Time |           |            |         |
|---------|-------------------------------|--------------------|------------------------|------------------------|-------------------|---|------------------------|-----------|------------|---------|
|         |                               | Voltage Level (kV) | Name of the Element    | Inter / Intra Regional |                   |   | From Date              | From Time | To Date    | To Time |
| 1       | SLDC-UTTRAKHAND               |                    | Rishikesh 240MVA ICT 1 | Intra Regional         | Daily             | For centrifuging, painting and annual maintainance of transformer | 17-12-2016             | 10:00     | 23-12-2016 | 17:00   |
| 2       | SLDC-UTTRAKHAND               |                    | Kashipur 315 MVA ICT 2 | Intra Regional         | Daily             | Tightening of clamops, jumpers and arresting of oil leakage       | 06-12-2016             | 07:00     | 06-12-2016 | 11:00   |

## APPROVED OUTAGE OF TRANSMISSION ELEMENTS FOR THE MONTH OF DECEMBER, 2016

**NTPC**

**ANNEXURE 3(B)9**

| S.No. | Detail of Transmission Element |  | Category*<br>(A/B/C/D) | Duration   |            |      |       | Mode               | Reason  |
|-------|--------------------------------|--|------------------------|------------|------------|------|-------|--------------------|---|
|       | Voltage Level                  | Name   |                        | Date       |            | Time |       |                    |   |
|       |                                |  |                        | From       | To         | From | To    | Daily / Continuous |   |
| 1     | 400 KV                         | 400 KV Koldam-Ludhiana - 2 Line (Bay#13)           | A                      | 25-11-2016 | 28-11-2016 | 9:00 | 19:00 | Continuous         | For Overhauling of Pneumatic Drive of Circuit Breaker Q1352, <b>(Breaker of Bay#14 Tie of Ludhiana-2 failed on 01.11.2016 OEM ABB Recommended Urgent overhauling of Pneumatic drives of all Breakers)</b> |
| 2     | 400 KV                         | 400 KV Koldam - Banala Line (Bay#6)                | A                      | 29-11-2016 | 02-12-2016 | 9:00 | 19:00 | Continuous         | For Overhauling of Pneumatic Drive of Circuit Breaker Q652 (Breaker of Bay#14 Tie of Ludhiana-2 failed on 01.11.2016 OEM ABB Recommended Urgent overhauling of Pneumatic drives of all Breakers)          |
| 3     | 400 KV                         | 400 KV Koldam - Nalagarh Line (Bay#4)              | A                      | 03-12-2016 | 06-12-2016 | 9:00 | 19:00 | Continuous         | For Overhauling of Pneumatic Drive of Circuit Breaker Q452 (Breaker of Bay#14 Tie of Ludhiana-2 failed on 01.11.2016 OEM ABB Recommended Urgent overhauling of Pneumatic drives of all Breakers)          |
| 4     | 400 KV                         | 400 KV Koldam - Nalagarh - Banala Line TIE (Bay#5) | A                      | 07-12-2016 | 10-12-2016 | 9:00 | 19:00 | Continuous         | For Overhauling of Pneumatic Drive of Circuit Breaker Q552 (Breaker of Bay#14 Tie of Ludhiana-2 failed on 01.11.2016 OEM ABB Recommended Urgent overhauling of Pneumatic drives of all Breakers)          |
| 5     | 400 KV                         | 400 KV Ludhiana-1 and Bus Reactor Tie (Bay#11)     | A                      | 11-12-2016 | 14-12-2016 | 9:00 | 19:00 | Continuous         | For Overhauling of Pneumatic Drive of Circuit Breaker Q1152 (Breaker of Bay#14 Tie of Ludhiana-2 failed on 01.11.2016 OEM ABB Recommended Urgent overhauling of Pneumatic drives of all Breakers)         |
| 5     | 400 KV                         | 400 KV Koldam Bus Reactor (Bay#10)                 | A                      | 15-12-2016 | 18-12-2016 | 9:00 | 19:00 | Continuous         | For Overhauling of Pneumatic Drive of Circuit Breaker Q1052 (Breaker of Bay#14 Tie of Ludhiana-2 failed on 01.11.2016 OEM ABB Recommended Urgent overhauling of Pneumatic drives of all Breakers)         |

**Note : Lines would be available during above S/D**