

Status & Action Plan of Insulator replacement in POWERGRID NR-1 Lines
Status as on 15.06.2017

Sl. No.	Region	Name of Circuit	Length (km)	Total Towers locations (no.)	Total Insulator Strings (Nos.)	No. of Porcelain insulator strings to be replaced with Insulator Strings(Nos.)	Polymer Strings Required	Start Date	Present satus of insulator replacement	Further action plan for replacement of Insualtor
1	NR-I	400KV S/C Rishkekesh-Rooke(Lilo)	2.1	10	51	0	0	24.10.2016	Completed	
2	NR-I	400KV S/C Muzzfarnagr-Roorkee (LILO)	2.1	8	39	0	0	27.10.2016	Completed	
3	NR-I	220KV D/C RAPPB-CHITT-I	128.8	397	1431	0	0	07.10.2016	Completed	
4	NR-I	220KV D/C RAPPB-CHITT-II	128.8	397	1431	0	0	12.10.2016	Completed	
5	NR-I	220KV S/C RAPPB-UDAIPUR	230.3	698	2511	0	0	25.09.2016	Completed	
6	NR-I	220KV D/C ANTA-BHIL-I	186.7	560	1944	0	0	15.11.2016	Completed	
7	NR-I	220KV D/C ANTA-BHIL-II	186.7	560	1944	0	0	22.11.2016	Completed	
8	NR-I	220KV S/C ANTA-Lalshot	10.0	27	156	0	0	02.11.16	Completed	
9	NR-I	220KV ANTA-S.MDHPR	13.5	36	216	0	0	06.11.2017	Completed	
10	NR-I	220KV S/C S.MDHPR-DAUSA	13.5	36	114	0	0	09.11.2016	Completed	
			902.5	2729	9837	0	0			

Progress for cleaning of discs insulators as on 15.06.2017

DRPM-23

Sr. No.	Name Of Circuit	No. of Porcelain Insulator strings to be cleaned	Length (KM)	Whether to be done departmentally Or contract basis	If to be done Through contract status of awarding contracts	No. of days of Outage Required	Progress
1	220 kv Sarna – Wadala Granthian Ckt-I	24	2.8	Departmentally	NA	2days	100%
2	220 kv Verpal-Wadala Granthian Ckt-I	24	2.8	Departmentally	NA	2days	100%
3	220 kv Udoke–Wadala Granthian Ckt-II	24	2.8	Departmentally	NA	2days	100%
4	220 kv Wadala Granthian- Fatehgarh Churian	18	2.1	Departmentally	NA	2days	100%
5	220kv Udoke-Verpal ckt-2	24	2.8	Departmentally	NA	2days	100%
6	220 kv Wadala Granthian-Kotli Surat.Mali	18	2.1	Departmentally	NA	2days	100%
7	220 kv Wadala Granthian-Sarna –ckt -2	24	2.8	Departmentally	NA	2days	100%
8	220 kv Sarna-Tibber	18	2.1	Departmentally	NA	1day	100%
9	132kv Wadala Granthian-Batala ckt -1	6	0.65	Departmentally	NA	2days	100%
10	132kv Wadala Granthian-Batala ckt- 2	6	0.65	Departmentally	NA	1day	100%
11	220 kv Wadala Granthian-Sarna ckt-4	24	2.8	Departmentally	NA	2days	100%
12	220 kv Wadala Granthian-Sarna–ckt -3	24	2.8	Departmentally	NA	2days	100%
13	220 kv Wadala Granthian-Tibber	18	2.1	Departmentally	NA	1day	100%
14	132 kv Wadala Granthian-Batala -3	6	0.65	Departmentally	NA	2days	100%

15	132 kv Wadala Granthian-Shri Hargobindpur -ckt-1	6	0.65	Departmentally	NA	1day	100%
16	132kv Wadala Granthian-Shri Hargobindpur ckt-2	6	0.65	Departmentally	NA	1day	100%
17	220 KV VERPAL-PATTI	18	2.1	Departmentally	NA	1day	100%
18	220 KV CIVIL LINE- KHAUSA	18	2.1	Departmentally	NA	1day	100%
19	220 KV CIVIL LINE- CHOGAWAN	18	2.1	Departmentally	NA	1day	100%
20	220 KV PATTI-ALGON KOTHI	12	1.4	Departmentally	NA	1day	100%
21	220 KV CHOGAWAN- Khasa	18	2.1	Departmentally	NA	1day	100%
22	220 KV BALA CHAK- KHAUSA CKT-1	12	1.4	Departmentally	NA	1day	100%
23	220 KV BALA CHAK- KHAUSA CKT-2	12	1.4	Departmentally	NA	1day	100%
24	132 KV VERKA- KATHUNANGAL	45	5.2	Departmentally	NA	1day	100%
25	132 KV VERPAL - HAKIMA GATE Ckt-1	30	3.2	Departmentally	NA	1day	100%
26	132 KV VERPAL - HAKIMA GATE Ckt-2	30	3.2	Departmentally	NA	1day	100%
27	132 KV JANDIALA- TANGRA	36	4.2	Departmentally	NA	1day	100%
28	132 KV VERPAL - TARN TARN	39	4.3	Departmentally	NA	1day	100%
29	220 kv RSD-sarna Ckt no 1&2	90	5.2	Departmentally	NA	10	100%
30	220 kv RSD-sarna Ckt no 3	90	10.5	Departmentally	NA	10	100%
31	132 kv shanan- pathankot dc line	180	10.5	Departmentally	NA	20	100%
32	132 sarna-gsp ckt no 1&2	70	1.625	Departmentally	NA	8	100%

33	132 kv pathankot-sarna DC line	30	1.625	Departmentally	NA	4	100%
	BTH						
34	400 KV Talwandi Sabo-Moga	60	93.00	through contract basis	NA	0	0%
35	220 KV GNDTP Bathinda-GHTP Lehra Mohabbat	27	25.00	through contract basis	NA	27	100%
36	220 KV GHTP Lehra Mohabbat-Bajakhana Ckt-1	18	28.64	through contract basis	NA	21	117.00%
37	220 KV GHTP Lehra Mohabbat-Bajakhana Ckt-2	18	28.64	through contract basis	NA	18	100%
38	220 KV GHTP Lehra Mohabbat -Tawandi Sabo	18	58.70	through contract basis	NA	30	167%
39	220 KV GHTP Lehra Mohabbat -Dhanaula	18	53.13	through contract basis	NA	27	150%
40	220 KV GHTP Lehra Mohabbat-Himmatpura Ckt-1	24	40.58	through contract basis	NA	27	113%
41	220 KV GHTP Lehra Mohabbat-Himmatpura Ckt-2	24	40.58	through contract basis	NA	24	100%
42	220KV GHTP Lehra Mohabbat-Barnala	30	38.00	through contract basis	NA	32	107%
43	220 KV Barnala-Sandaurh	30	46.17	through contract basis	NA	30	100%
44	132 KV Bathinda-Balluana	69	14.15	through contract basis	NA	69	100%
45	132 KV GNDTP Bathinda-MES	45	11.23	through contract basis	NA	45	100%
46	132 KV GNDTP Bathinda- I.G.C. Bathinda	45	16.76	through contract basis	NA	45	100%
47	220 KV GNDTP	18	50.00	Through	NA	18	100%

	Bathinda-Muktsar			Departmentally			
48	220 KV GNDTP Bathinda-Katorewala	9	46.50	Through Departmentally	NA	9	100%
49	220 KV Katorewala - Ferozpur	12	1.20	Through Departmentally	NA	12	100%
50	220 KV Ferozpur - Botianwala	12	1.20	Through Departmentally	NA	12	100%
51	220 KV Muktsar - Ghubaya	9	0.30	Through Departmentally	NA	9	100%
52	220 KV Moga - Sadiq	9	0.60	Through Departmentally	NA	9	100%
53	220 KV Muktsar - Bajakhana	6	0.60	Through Departmentally	NA	6	100%
54	400 kV Muktsar - Makhu ckt-01	30	1.90	Through Departmentally	NA	30	100%
55	400 kV Muktsar - Makhu ckt-02	30	1.90	Through Departmentally	NA	30	100%
56	400 kV Muktsar - Talwandi ckt-01	30	1.80	Through Departmentally	NA	30	100%
57	400 kV Muktsar - Talwandi ckt-02	30	1.8	Through Departmentally	NA	30	100%
58	400 kV Makhu - Bala Chak (upto Babe ke village) ckt-01	24	1.4	Through Departmentally	NA	0	0%
59	400 kV Makhu - Bala Chak (upto Babe ke village) ckt-02	24	1.4	Through Departmentally	NA	0	0%
60	P.G.C.I.L.Kartarpur- Kanjli ckt-1	9	0.300	Departmentally	NA	0	0
61	P.G.C.I.L.Kartarpur- Kanjli ckt-2	9	0.300	Departmentally	NA	0	0
62	Nakodar- Nurmehal Ckt.1	12	0.600	Departmentally	NA	0	0
63	Nakodar- Nurmehal Ckt.2	12	0.600	Departmentally	NA	0	0
64	BBMB Jalandhar- Jamsher Ckt.1	21	0.900	Departmentally	NA	0	0

65	BBMB Jalandhar- Jamsher Ckt.2	21	0.900	Departmentally	NA	0	0
66	Jamsher-Kotla Janga ckt-1	15	1.200	Departmentally	NA	6	40%
67	Jamsher-Kotla Janga ckt-2	15	1.200	Departmentally	NA	6	40%
68	RTP- Jadla	6	0.300	Departmentally	NA	6	100%
69	Goraya- Jamsher	6	0.300	Departmentally	NA	6	100%
70	PGCIL Kartarpur- Kartarpur	27	1.500	Departmentally	NA	6	22.22%
71	PGCIL Kartarpur- Kotla Janga	27	1.500	Departmentally	NA	6	22.22%
72	Urban Estate Jalandhar- Kotla Janga	12	0.800	Departmentally	NA	0	0
73	Kotla Janga- Nakodar	3	0.300	Departmentally	NA	0	0
74	PIMS Jalandhar- Sc.City	30	0.800	Departmentally	NA	0	0
75	Bhakhra- Mahilpur Ckt.1	39	3.000	Departmentally	NA	39	100%
76	Bhakhra- Mahilpur Ckt.2	39	3.000	Departmentally	NA	15	38%
77	Mahilpur- Jamsher	9	0.600	Departmentally	NA	0	0
78	Rehana Jattan- Jamsher	9	0.600	Departmentally	NA	0	0
79	220KV RTP-G1 Gbg Ckt-I	18	1.800	Departmentally	NA	18	100%
80	220KV RTP-G1 Gbg Ckt-II	18	1.800	Departmentally	NA	18	100%
81	220KV RTP-G1 Gbg Ckt-III	6	1.200	Departmentally	NA	6	100%
82	220KV Bassi pathana-G1 Gbg	6	0.600	Departmentally	NA	6	100%
83	220KV G1 Gbg-Amloh	6	0.600	Departmentally	NA	6	100%
84	220KV G1 Gbg-Ikolaha	6	0.600	Departmentally	NA	6	100%
85	220KV Ganguwal-G2 Gbg Ckt-I	6	0.600	Departmentally	NA	6	100%
86	220KV Ganguwal-G2 Gbg Ckt-II	6	0.600	Departmentally	NA	6	100%
87	220KV RTP-Gounsgarh	9	1.000	Departmentally	NA	0	0%
88	220kv Kohara-Gounsgarh	9	1.000	Departmentally	NA	0	0%

89	220KV Ghulal- RTP (Ropar)	21	2.200	Departmentally	NA	21	100%
90	220KV PGCIL Lalton Kalan -Pakhowal	15	1.500	Departmentally	NA		0%
91	220KV Pakhowal-Sandor	12	1.200	Departmentally	NA		0%
92	220KV Sahnewal-Railway ckt.1	10	1.500	Departmentally	NA		0%
93	220KV Sahnewal-Railway ckt.2	10	1.500	Departmentally	NA		0%
94	220 KV Lalton Kalan-Sahnewal	30	3	Departmentally	NA	30	100%
95	220KV PGCIL Lalton Kalan --Sahnewal	30	3	Departmentally	NA	30	100%
96	220 KV Lalton Kalan-Humbran	36	4	Departmentally	NA	36	100%
97	220 KV Lalton Kalan--FZR. Road Ludhiana	24	2.5	Departmentally	NA	24	100%
98	220 KV Humbran - FZR. Road Ludhiana	12	1.2	Departmentally	NA	12	100%
99	220 KV Lalton Kalan -Jagraon	30	3	Departmentally	NA	30	100%
100	220 KV PGCIL Lalton Kalan --Jagraon	30	3	Departmentally	NA	30	100%
101	220KV Lalton Kalan PGCIL-- Lalton Kalan Ckt.3	9	1	Departmentally	NA		0%
102	220KV Jamalpur-Ganguwal Ckt-1	33	3.3	Departmentally	NA	33	100%
103	220KV Jamalpur-Ganguwal Ckt-2	33	3.3	Departmentally	NA	33	100%
104	220KV Pakhowal-Mehal Kalan ckt.1	30	3	Departmentally	NA	30	100%
105	220KV Pakhowal-Mehal Kalan ckt.2	30	3	Departmentally	NA	30	100%
106	400KV Rajpura-Dhuri Ckt-1	102	13.000	Departmentally	NA	102	100%
107	400KV Rajpura-Dhuri Ckt-2	102	13.000	Departmentally	NA	102	100%
108	220 KV Nalagarh Mohali Circuit -1 (D/C)	138	13.800	Departmentally	NA	138	100%
109	220 KV Nalagarh Mohali Circuit -2 (D/C)	138	13.800	Departmentally	NA	138	100%
110	220 KV Ganguwal Mohali Line	138	13.800	Departmentally	NA	138	100%
111	220 KV Ganguwal Majra Line	138	13.800	Departmentally	NA	138	100%
112	220 KV PhagganMajra Rajpura Line (S/C)	90	9.000	Departmentally	NA	90	100%

113	220 KV PhagganMajra Batheri Line (S/C)	90	9.000	Departmentally	NA	90	100%
114	220 KV Batheri Rajpura Line (S/C)	90	9.000	Departmentally	NA	90	100%
115	220 KV Batheri- Devigarh Line Ckt-1	48	4.800	Departmentally	NA	48	100%
116	220 KV Batheri- Devigarh Line Ckt-2	48	4.800	Departmentally	NA	48	100%
117	220 KV Mohali-lalru line (S/C)	120	120.00 0	Departmentally	NA	120	100%
118	220 KV Mohali 80C - Derabassi Line (S/C)	120	120.00 0	Departmentally	NA	120	100%
119	220 KV Derabassi Ghaggar Railway Line	24	3.600	Departmentally	NA	24	100%
120	132 KV Kotla Ropar Circuit -2	42	3.570	Departmentally	NA	42	100%
121	132 KV Asron Ranbaxy Line	48	4.400	Departmentally	NA	48	100%
122	132 KV Nakkian Ropar Line	90	8.250	Departmentally	NA	90	100%
123	132 KV Ropar Kharar Line	90	8.250	Departmentally	NA	90	100%
124	132 KV Anandpur Sahib Railway Line	60	5.500	Departmentally	NA	60	100%
125	132 KV RTP- Ropar Line	90	8.250	Departmentally	NA	90	100%
126	132 KV RTP- Asron Line	90	8.250	Departmentally	NA	90	100%

Status of replacement of Porcelain Insulators with Polymer Insulators													As on 11.05.2017		
S.NO.	Name of line/Voltage/ S/C or D/C	Voltage level (in kV)	Line details			Insulators to be replaced by Polymer (Target of this year)			Progress (Work already completed)			Schedule for completion of replacement		Remarks	
			Total length of line (in KM)	Total Tower locations (Nos.)	Total Insulator strings (Nos.)	Length (KM)	Total Tower locations (Nos.)	Total Insulator strings (Nos.)	Length (KM)	Total Tower locations (Nos.)	Total Insulator strings (Nos.)	Start date	End date		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
SE (T&C-City) RVPN Jaipur															
Nil															
SE (T&C-Rural) RVPN Jaipur															
Nil															
SE (T&C) RVPN Sawaimadhopur															
1	220 KV Dooni-Jaipur (South) PGCIL Line D/C	220 KV	103 Km	351	1158	72 Km.	245	831	-	-	-	Nil	Nil	72 Km. (from loc. No.262 to 506). Line is old more than 45 years.	
2	132 kv S/C MALPURA-ARAIN LINE	132 KV	44.284 Km	137	477	36.71 Km.	108	354	-	-	-	Nil	Nil.	36.71 Km. (Loc. No. 87 to Loc. No.194 Line is old more than 29 Year)	
3	220 KV LILLO D/C For 220 KV GSS SWM (From Anta-Dausa Circuit No. 1st.)	220	6.67	22	48(Tension) 114(Suspension)	6.67	22	48(Tension) 114(Suspension)	Nil	Nil	Nil	Nil	Nil	Nil	
4	132 KV I/C SWM unilara line	132 KV	32.801	107	4797	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	
5	132KV S/C UNILARA-RAINWA LINE	132KV	22.369	74	2214	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	
SE (T&C) RVPN Bhanuapur															
1	220 KV S/C AGRA-BTP LINE	220KV	48.116	143	576	26 KM	78	357	22 KM	65	219	to be started after receiving of material from ACOS/FIRM			
SE (T&C) RVPN Kota															
Nil															
SE (T&C) RVPN Alwar															
1	220 KV Bhiwadi – PGCIL CKT-I	220 KV	7.766KM	35	186	7.766KM	35	186		Nil		01.06.2017	31.12.2018	N/A	
2	220 KV Bhiwadi – PGCIL CKT-II	220 KV	7.766KM	35	186	7.766KM	35	186		Nil		01.06.2017	31.12.2018	N/A	
SE (T&C) RVPN Hindaun															
Nil															

Note: 1. Line constructed with polymer insulators may please also be indicated in the table.
 2. Similar separate table shall be formulated for Antifog Insulators line as well for line which would be cleaned.
 3. Line for whom there is no planning of cleaning or replacement may please also be given in the table but with ' ' in planning as well as progress columns.

Detail of cleaning of Porcelain insulators							As on	
S.NO.	Name of line/Circuit	Voltage level (in kV)	Total Line length (in KM)	No. of Porcelain Insulator strings cleaned (Nos.)	No. of Tower locations on which cleaning done (Nos.)	Status of work	Remarks	
1	2	3	4	5	6	7	8	
SE(T&C-City) RVPN Jaipur								
Nil								
SE(T&C-Rural) RVPN Jaipur								
Nil								
SE(T&C) RVPN Sawaimadhopur								
1	220 KV Dooni-Jaipur(South) PGCIL D/C Line	220 KV	103 Km	NIL	NIL		Cleaning to be done of 220 KV Dooni-Jaipur (South) PGCIL line.	
2	132 KV Swm-Tonk S/C Line	132 KV	58 Km	NIL	NIL		Cleaning to be done of 132 KV swm-tonk line.	
SE(T&C) RVPN Bikaner								
1	220KV/S/C AGRA-BTP LINE	220KV	48.116	NIL	NIL	NIL		
SE(T&C) RVPN Kota								
Nil								
SE(T&C) RVPN Alwar								
1	220 KV PGCIL (Bhiwadi)- KhushKhera Ckt.-I	220 KV	11.127	66	22	Completed on dated 08.01.17		
2	220 KV PGCIL (Bhiwadi)- KhushKhera Ckt.-II	220 KV	10.03	42	14	Completed on dated 08.01.17		
3	220 KV PGCIL (Neemrana)- KhushKhera line	220 KV	56.5	24	8	Completed on dated 08.01.17		
4	132 KV KhushKhera - Chopanki Line	132 KV	12.084	75	25	Completed on dated 08.01.17		
5	220 KV Bhiwadi – PGCIL CKT-I	220 KV	7.766KM	186	35	Complete and OK		
6	220 KV Bhiwadi – PGCIL CKT-II	220 KV	7.766KM	186	35	Complete and OK		
7	220 KV MIA-Badarpur Line	220	130.6	300	90	Completed	16/01/2017 to 20/01/2017 of mia-btps line	
SE(T&C) RVPN Hindaun								
Nil								

Progress for cleaning of discs insulators as on 16-03-2017

DRPM-23

Sr. No.	Name Of Circuit	No. of Porcelain Insulator strings to be cleaned	Length (KM)	Whether to be done departmentally Or contract basis	If to be done Through contract status of awarding contracts	No. of days of Outage Required	Progress
1	220 kv Sarna – Wadala Granthian Ckt-I	24	2.8	Departmentally	NA	2days	100%
2	220 kv Verpal-Wadala Granthian Ckt-I	24	2.8	Departmentally	NA	2days	100%
3	220 kvUdoke–Wadala GranthianCkt-II	24	2.8	Departmentally	NA	2days	100%
4	220 kv Wadala Granthian- Fatehgarh Churian	18	2.1	Departmentally	NA	2days	100%
5	220kvUdoke-Verpal ckt-2	24	2.8	Departmentally	NA	2days	100%
6	220 kv Wadala Granthian-Kotli Surat.Mali	18	2.1	Departmentally	NA	2days	100%
7	220 kv Wadala Granthian-Sarna –ckt -2	24	2.8	Departmentally	NA	2days	100%
8	220 kv Sarna-Tibber	18	2.1	Departmentally	NA	1day	100%
9	132kv Wadala Granthian-Batala ckt -1	6	0.65	Departmentally	NA	2days	100%
10	132kv Wadala Granthian-Batala ckt- 2	6	0.65	Departmentally	NA	1day	100%
11	220 kv Wadala Granthian-Sarna ckt-4	24	2.8	Departmentally	NA	2days	100%
12	220 kv Wadala Granthian-Sarna–ckt -3	24	2.8	Departmentally	NA	2days	100%
13	220 kv Wadala Granthian-Tibber	18	2.1	Departmentally	NA	1day	100%
14	132 kv Wadala Granthian-Batala -3	6	0.65	Departmentally	NA	2days	100%

15	132 kv Wadala Granthian-Shri Hargobindpur -ckt-1	6	0.65	Departmentally	NA	1day	100%
16	132kv Wadala Granthian-Shri Hargobindpur ckt-2	6	0.65	Departmentally	NA	1day	100%
17	220 KV VERPAL-PATTI	18	2.1	Departmentally	NA	1day	100%
18	220 KV CIVIL LINE- KHAUSA	18	2.1	Departmentally	NA	1day	100%
19	220 KV CIVIL LINE- CHOGAWAN	18	2.1	Departmentally	NA	1day	100%
20	220 KV PATTI-ALGON KOTHI	12	1.4	Departmentally	NA	1day	100%
21	220 KV CHOGAWAN- Khasa	18	2.1	Departmentally	NA	1day	100%
22	220 KV BALA CHAK- KHAUSA CKT-1	12	1.4	Departmentally	NA	1day	100%
23	220 KV BALA CHAK- KHAUSA CKT-2	12	1.4	Departmentally	NA	1day	100%
24	132 KV VERKA- KATHUNANGAL	45	5.2	Departmentally	NA	1day	100%
25	132 KV VERPAL - HAKIMA GATE Ckt-1	30	3.2	Departmentally	NA	1day	100%
26	132 KV VERPAL - HAKIMA GATE Ckt-2	30	3.2	Departmentally	NA	1day	100%
27	132 KV JANDIALA- TANGRA	36	4.2	Departmentally	NA	1day	100%
28	132 KV VERPAL - TARN TARN	39	4.3	Departmentally	NA	1day	100%
29	220 kv RSD-sarna Ckt no 1&2	90	5.2	Departmentally	NA	10	100%
30	220 kv RSD-sarna Ckt no 3	90	10.5	Departmentally	NA	10	100%
31	132 kv shanan- pathankot dc line	180	10.5	Departmentally	NA	20	100%
32	132 sarna-gsp ckt no 1&2	70	1.625	Departmentally	NA	8	100%

33	132 kv pathankot-sarna DC line	30	1.625	Departmentally	NA	4	100%
34	400 KV Talwandi Sabo-Moga	60	93.00	through contract basis	NA		0%
35	220 KV GNDTP Bathinda-GHTP Lehra Mohabbat	27	25.00	through contract basis	NA	27	100%
36	220 KV GHTP Lehra Mohabbat-Bajakhana Ckt-1	18	28.64	through contract basis	NA	21	117.00%
37	220 KV GHTP Lehra Mohabbat-Bajakhana Ckt-2	18	28.64	through contract basis	NA	18	100%
38	220 KV GHTP Lehra Mohabbat -Tawandi Sabo	18	58.70	through contract basis	NA	30	167%
39	220 KV GHTP Lehra Mohabbat -Dhanaula	18	53.13	through contract basis	NA	27	150%
40	220 KV GHTP Lehra Mohabbat-Himmatpura Ckt-1	24	40.58	through contract basis	NA	27	113%
41	220 KV GHTP Lehra Mohabbat-Himmatpura Ckt-2	24	40.58	through contract basis	NA	24	100%
42	220KV GHTP Lehra Mohabbat-Barnala	30	38.00	through contract basis	NA	32	107%
43	220 KV Barnala-Sandaurh	30	46.17	through contract basis	NA	30	100%
44	132 KV Bathinda-Balluana	69	14.15	through contract basis	NA	51	74.00%
45	132 KV GNDTP Bathinda-MES	45	11.23	through contract basis	NA	18	40%
46	132 KV GNDTP Bathinda- I.G.C. Bathinda	45	16.76	through contract basis	NA	36	80%
47	220 KV GNDTP Bathinda-Muktsar	18	50.00	Through Departmentally	NA		0

48	220 KV GNDTP Bathinda-Katorewala	9	46.50	Through Departmentally	NA		0
49	220 KV Katorewala - Ferozpur	12	1.20	Through Departmentally	NA		0
50	220 KV Ferozpur - Botianwala	12	1.20	Through Departmentally	NA		0
51	220 KV Muktsar - Ghubaya	9	0.30	Through Departmentally	NA	9	100%
52	220 KV Moga - Sadiq	9	0.60	Through Departmentally	NA	9	100%
53	220 KV Muktsar - Bajakhana	6	0.60	Through Departmentally	NA	0	0%
54	400 kV Muktsar - Makhu ckt-01	30	1.90	Through Departmentally	NA	30	100%
55	400 kV Muktsar - Makhu ckt-02	30	1.90	Through Departmentally	NA	30	100%
56	400 kV Muktsar - Talwandi ckt-01	30	1.80	Through Departmentally	NA	30	100%
57	400 kV Muktsar - Talwandi ckt-02	30	1.8	Through Departmentally	NA	30	100%
58	400 kV Makhu - Bala Chak (upto Babe ke village) ckt-01	24	1.4	Through Departmentally	NA	0	0%
59	400 kV Makhu - Bala Chak (upto Babe ke village) ckt-02	24	1.4	Through Departmentally	NA	0	0%
60	P.G.C.I.L.Kartarpur- Kanjli ckt-1	9	0.300	Departmentally	NA		0
61	P.G.C.I.L.Kartarpur- Kanjli ckt-2	9	0.300	Departmentally	NA		0
62	Nakodar- Nurmehal Ckt.1	12	0.600	Departmentally	NA		0
63	Nakodar- Nurmehal Ckt.2	12	0.600	Departmentally	NA		0
64	BBMB Jalandhar- Jamsher Ckt.1	21	0.900	Departmentally	NA		0

65	BBMB Jalandhar- Jamsher Ckt.2	21	0.900	Departmentally	NA		0
66	Jamsher-Kotla Janga ckt-1	15	1.200	Departmentally	NA	6	40%
67	Jamsher-Kotla Janga ckt-2	15	1.200	Departmentally	NA	6	40%
68	RTP- Jadla	6	0.300	Departmentally	NA	6	100%
69	Goraya- Jamsher	6	0.300	Departmentally	NA	6	100%
70	PGCIL Kartarpur- Kartarpur	27	1.500	Departmentally	NA	6	22.22%
71	PGCIL Kartarpur- Kotla Janga	27	1.500	Departmentally	NA	6	22.22%
72	Urban Estate Jalandhar- Kotla Janga	12	0.800	Departmentally	NA	0	0
73	Kotla Janga- Nakodar	3	0.300	Departmentally	NA	0	0
74	PIMS Jalandhar- Sc.City	30	0.800	Departmentally	NA	0	0
75	Bhakhra- Mahilpur Ckt.1	39	3.000	Departmentally	NA	39	100%
76	Bhakhra- Mahilpur Ckt.2	39	3.000	Departmentally	NA	15	38%
77	Mahilpur- Jamsher	9	0.600	Departmentally	NA	0	0
78	Rehana Jattan- Jamsher	9	0.600	Departmentally	NA	0	0
79	220KV RTP-G1 Gbg Ckt-I	18	1.800	Departmentally	NA	6	100%
80	220KV RTP-G1 Gbg Ckt-II	18	1.800	Departmentally	NA	6	100%
81	220KV RTP-G1 Gbg Ckt-III	6	1.200	Departmentally	NA	2	100%
82	220KV Bassi pathana-G1 Gbg	6	0.600	Departmentally	NA	2	100%
83	220KV G1 Gbg-Amlah	6	0.600	Departmentally	NA	2	100%
84	220KV G1 Gbg-Ikolaha	6	0.600	Departmentally	NA	2	100%
85	220KV Ganguwal-G2 Gbg Ckt-I	6	0.600	Departmentally	NA	2	100%
86	220KV Ganguwal-G2 Gbg Ckt-II	6	0.600	Departmentally	NA	2	100%
87	220KV RTP-Gounsgarh	9	1.000	Departmentally	NA	0	0%
88	220kv Kohara-Gounsgarh	9	1.000	Departmentally	NA	0	0%
89	220KV Ghulal- RTP (Ropar)	21	2.200	Departmentally	NA	7	100%

90	220KV PGCIL Lalton Kalan -Pakhawal	15	1.500	Departmentally	NA		0%
91	220KV Pakhowal-Sandor	12	1.200	Departmentally	NA		0%
92	220KV Sahnewal-Railway ckt.1	10	1.500	Departmentally	NA		0%
93	220KV Sahnewal-Railway ckt.2	10	1.500	Departmentally	NA		0%
94	220 KV Lalton Kalan-Sahnewal	30	3	Departmentally	NA	10	100%
95	220KV PGCIL Lalton Kalan --Sahnewal	30	3	Departmentally	NA	10	100%
96	220 KV Lalton Kalan-Humbran	36	4	Departmentally	NA	12	100%
97	220 KV Lalton Kalan--FZR. Road Ludhiana	24	2.5	Departmentally	NA	8	100%
98	220 KV Humbran - FZR. Road Ludhiana	12	1.2	Departmentally	NA	4	100%
99	220 KV Lalton Kalan -Jagraon	30	3	Departmentally	NA	10	100%
100	220 KV PGCIL Lalton Kalan --Jagraon	30	3	Departmentally	NA	10	100%
101	220KV Lalton Kalan PGCIL-- Lalton Kalan Ckt.3	9	1	Departmentally	NA		0%
102	220KV Jamalpur-Ganguwal Ckt-1	33	3.3	Departmentally	NA	11	100%
103	220KV Jamalpur-Ganguwal Ckt-2	33	3.3	Departmentally	NA	11	100%
104	220KV Pakhowal-Mehal Kalan ckt.1	30	3	Departmentally	NA	10	100%
105	220KV Pakhowal-Mehal Kalan ckt.2	30	3	Departmentally	NA	10	100%
106	400KV Rajpura-Dhuri Ckt-1	102	13.000	Departmentally	NA	102	100%
107	400KV Rajpura-Dhuri Ckt-2	102	13.000	Departmentally	NA	102	100%
108	220 KV Nalagarh Mohali Circuit -1 (D/C)	138	13.800	Departmentally	NA	138	100%
109	220 KV Nalagarh Mohali Circuit -2 (D/C)	138	13.800	Departmentally	NA	138	100%
110	220 KV Ganguwal Mohali Line	138	13.800	Departmentally	NA	138	100%
111	220 KV Ganguwal Majra Line	138	13.800	Departmentally	NA	138	100%
112	220 KV PhagganMajra Rajpura Line (S/C)	90	9.000	Departmentally	NA	21	23%

113	220 KV PhagganMajra Batheri Line (S/C)	90	9.000	Departmentally	NA	90	100%
114	220 KV Batheri Rajpura Line (S/C)	90	9.000	Departmentally	NA	90	100%
115	220 KV Batheri- Devigarh Line Ckt-1	48	4.800	Departmentally	NA	48	100%
116	220 KV Batheri- Devigarh Line Ckt-2	48	4.800	Departmentally	NA	48	100%
117	220 KV Mohali-lalru line (S/C)	120	120.00 0	Departmentally	NA	120	100%
118	220 KV Mohali 80C - Derabassi Line (S/C)	120	120.00 0	Departmentally	NA	120	100%
119	220 KV Derabassi Ghaggar Railway Line	24	3.600	Departmentally	NA	24	100%
120	132 KV Kotla Ropar Circuit -2	42	3.570	Departmentally	NA	42	100%
121	132 KV Asron Ranbaxy Line	48	4.400	Departmentally	NA	48	100%
122	132 KV Nakkian Ropar Line	90	8.250	Departmentally	NA	90	100%
123	132 KV Ropar Kharar Line	90	8.250	Departmentally	NA	90	100%
124	132 KV Anandpur Sahib Railway Line	60	5.500	Departmentally	NA	60	100%
125	132 KV RTP- Ropar Line	90	8.250	Departmentally	NA	90	100%
126	132 KV RTP- Asron Line	90	8.250	Departmentally	NA	90	100%

Progress for cleaning of discs insulators as on 15-02-2017

PSTCL

Sr. No.	Name Of Circuit	No. of Porcelain Insulator strings to be cleaned before Ensuing Winter (i.e. Before 15-12-2016)	Length (KM)	Whether to be done departmentally Or contract basis	If to be done Through contract status of awarding contracts	No. of days of Outage Required	Progress
1	220 kv Sarna – Wadala Granthian Ckt-I	24	2.8	Departmentally	NA	2days	100%
2	220 kv Verpal- Wadala Granthian Ckt-I	24	2.8	Departmentally	NA	2days	100%
3	220 kvUdoke– Wadala GranthianCkt-II	24	2.8	Departmentally	NA	2days	100%
4	220 kv Wadala Granthian- Fatehgarh Churian	18	2.1	Departmentally	NA	2days	100%
5	220kvUdoke-Verpal ckt-2	24	2.8	Departmentally	NA	2days	100%
6	220 kv Wadala Granthian-Kotli Surat.Mali	18	2.1	Departmentally	NA	2days	100%
7	220 kv Wadala Granthian-Sarna – ckt -2	24	2.8	Departmentally	NA	2days	100%
8	220 kv Sarna-Tibber	18	2.1	Departmentally	NA	1day	100%
9	132kv Wadala Granthian-Batala ckt -1	6	0.65	Departmentally	NA	2days	100%
10	132kv Wadala Granthian-Batala II	6	0.65	Departmentally	NA	1day	100%

11	220 kv Wadala Granthian-Sarna ckt-4	24	2.8	Departmentally	NA	2days	100%
12	220 kv Wadala Granthian-Sarna-ckt -3	24	2.8	Departmentally	NA	2days	100%
13	220 kv Wadala Granthian-Tibber	18	2.1	Departmentally	NA	1day	100%
14	132 kv Wadala Granthian-Batala -3	6	0.65	Departmentally	NA	2days	100%
15	132 kv Wadala Granthian-Shri Hargobindpur -ckt-1	6	0.65	Departmentally	NA	1day	100%
16	132kv Wadala Granthian-Shri Hargobindpur ckt-2	6	0.65	Departmentally	NA	1day	100%
17	220 KV VERPAL- PATTI	18	2.1	Departmentally	NA	1day	100%
18	220 KV CIVIL LINE- KHAASA	18	2.1	Departmentally	NA	1day	100%
19	220 KV CIVIL LINE- CHOGAWAN	18	2.1	Departmentally	NA	1day	100%
20	220 KV PATTI- ALGON KOTHI	12	1.4	Departmentally	NA	1day	100%
21	220 KV CHOGAWAN-Khassa	18	2.1	Departmentally	NA	1day	100%
22	220 KV BALA CHAK-KHAASA CKT-1	12	1.4	Departmentally	NA	1day	100%
23	220 KV BALA CHAK-KHAASA II	12	1.4	Departmentally	NA	1day	100%
24	132 KV VERKA- KATHUNANGAL	45	5.2	Departmentally	NA	1day	100%
25	132 KV VERPAL - HAKIMA GATE Ckt-1	30	3.2	Departmentally	NA	1day	100%

26	132 KV VERPAL - HAKIMA GATE Ckt-2	30	3.2	Departmentally	NA	1day	100%
27	132 KV JANDIALA- TANGRA	36	4.2	Departmentally	NA	1day	100%
28	132 KV VERPAL - TARN TARN	39	4.3	Departmentally	NA	1day	100%
29	220 kv RSD-sarna Ckt no 1&2	90	5.2	Departmentally	NA	10	100%
30	220 kv RSD-sarna Ckt no 3	90	10.5	Departmentally	NA	10	100%
31	132 kv shanan- pathankot dc line	180	10.5	Departmentally	NA	20	100%
32	132 sarna-gsp ckt no 1&2	70	1.625	Departmentally	NA	8	100%
33	132 kv pathankot- sarna DC line	30	1.625	Departmentally	NA	4	100%
34	400 KV Talwandi Sabo-Moga	60	93.00	through contract basis	NA		0%
35	220 KV GNDTP Bathinda-GHTP Lehra Mohabbat	27	25.00	through contract basis	NA	27	100%
36	220 KV GHTP Lehra Mohabbat-Bajakhana Ckt-1	18	28.64	through contract basis	NA	21	117.00%
37	220 KV GHTP Lehra Mohabbat-Bajakhana Ckt-2	18	28.64	through contract basis	NA	18	100%
38	220 KV GHTP Lehra Mohabbat -Tawandi Sabo	18	58.70	through contract basis	NA	30	167%
39	220 KV GHTP Lehra Mohabbat -Dhanaula	18	53.13	through contract basis	NA	27	150%
40	220 KV GHTP Lehra Mohabbat- Himmatpura Ckt-1	24	40.58	through contract basis	NA	27	113%

41	220 KV GHTP Lehra Mohabbat-Himmatpura Ckt-2	24	40.58	through contract basis	NA	24	100%
42	220KV GHTP Lehra Mohabbat-Barnala	30	38.00	through contract basis	NA	32	107%
43	220 KV Barnala-Sandaurh	30	46.17	through contract basis	NA	30	100%
44	132 KV Bathinda-Balluana	69	14.15	through contract basis	NA	51	74.00%
45	132 KV GNDTP Bathinda-MES	45	11.23	through contract basis	NA	18	40%
46	132 KV GNDTP Bathinda- I.G.C. Bathinda	45	16.76	through contract basis	NA	36	80%
47	220 KV GNDTP Bathinda-Muktsar	18	50.00	Through Departmentally	NA		0
48	220 KV GNDTP Bathinda-Katorewala	9	46.50	Through Departmentally	NA		0
49	220 KV Katorewala - Ferozpur	12	1.20	Through Departmentally	NA		0
50	220 KV Ferozpur - Botianwala	12	1.20	Through Departmentally	NA		0
51	220 KV Muktsar - Ghubaya	9	0.30	Through Departmentally	NA	9	100%
52	220 KV Moga - Sadiq	9	0.60	Through Departmentally	NA	9	100%
53	220 KV Muktsar - Bajakhana	6	0.60	Through Departmentally	NA	0	0%
54	400 kV Muktsar - Makhu ckt-01	30	1.90	Through Departmentally	NA	30	100%
55	400 kV Muktsar - Makhu ckt-02	30	1.90	Through Departmentally	NA	30	100%
56	400 kV Muktsar - Talwandi ckt-01	30	1.80	Through Departmentally	NA	30	100%

57	400 kV Muktsar - Talwandi ckt-02	30	1.8	Through Departmentally	NA	30	100%
58	400 kV Makhu - Bala Chak (upto Babe ke village) ckt-01	24	1.4	Through Departmentally	NA	0	0%
59	400 kV Makhu - Bala Chak (upto Babe ke village) ckt-02	24	1.4	Through Departmentally	NA	0	0%
60	P.G.C.I.L.Kartarpur-Kanjli ckt-1	9	0.300	Departmentally	NA		0
61	P.G.C.I.L.Kartarpur-Kanjli ckt-2	9	0.300	Departmentally	NA		0
62	Nakodar- Nurmehal Ckt.1	12	0.600	Departmentally	NA		0
63	Nakodar- Nurmehal Ckt.2	12	0.600	Departmentally	NA		0
64	BBMB Jalandhar-Jamsher Ckt.1	21	0.900	Departmentally	NA		0
65	BBMB Jalandhar-Jamsher Ckt.2	21	0.900	Departmentally	NA		0
66	Jamsher-Kotla Janga ckt-1	15	1.200	Departmentally	NA	6	40%
67	Jamsher-Kotla Janga ckt-2	15	1.200	Departmentally	NA	6	40%
68	RTP- Jadla	6	0.300	Departmentally	NA	6	100%
69	Goraya- Jamsher	6	0.300	Departmentally	NA	6	100%
70	PGCIL Kartarpur-Kartarpur	27	1.500	Departmentally	NA	6	22.22%
71	PGCIL Kartarpur-Kotla Janga	27	1.500	Departmentally	NA	6	22.22%
72	Urban Estate Jalandhar- Kotla Janga	12	0.800	Departmentally	NA	0	0
73	Kotla Janga-	3	0.300	Departmentally	NA	0	0

	Nakodar						
74	PIMS Jalandhar- Sc.City	30	0.800	Departmentally	NA	0	0
75	Bhakhra- Mahilpur Ckt.1	39	3.000	Departmentally	NA	24	62%
76	Bhakhra- Mahilpur Ckt.2	39	3.000	Departmentally	NA	15	38%
77	Mahilpur- Jamsher	9	0.600	Departmentally	NA	0	0
78	Rehana Jattan- Jamsher	9	0.600	Departmentally	NA	0	0
79	220KV RTP-G1 Gbg Ckt-I	18	1.800	Departmentally	NA	6	100%
80	220KV RTP-G1 Gbg Ckt-II	18	1.800	Departmentally	NA	6	100%
81	220KV RTP-G1 Gbg Ckt-III	6	1.200	Departmentally	NA	2	100%
82	220KV Bassi pathana-G1 Gbg	6	0.600	Departmentally	NA	2	100%
83	220KV G1 Gbg-Amloh	6	0.600	Departmentally	NA	2	100%
84	220KV G1 Gbg-Ikolaha	6	0.600	Departmentally	NA	2	100%
85	220KV Ganguwal-G2 Gbg Ckt-I	6	0.600	Departmentally	NA	2	100%
86	220KV Ganguwal-G2 Gbg Ckt-II	6	0.600	Departmentally	NA	2	100%
87	220KV RTP-Gounsgarh	9	1.000	Departmentally	NA	0	0%
88	220kv Kohara-Gounsgarh	9	1.000	Departmentally	NA	0	0%
89	220KV Ghulal- RTP (Ropar)	21	2.200	Departmentally	NA	7	100%
90	220KV PGCIL Lalton Kalan -Pakhowal	15	1.500	Departmentally	NA		0%
91	220KV Pakhowal-Sandor	12	1.200	Departmentally	NA		0%
92	220KV Sahnewal-Railway ckt.1	10	1.500	Departmentally	NA		0%
93	220KV Sahnewal-Railway ckt.2	10	1.500	Departmentally	NA		0%
94	220 KV Lalton Kalan- Sahnewal	30	3	Departmentally	NA	10	100%
95	220KV PGCIL Lalton Kalan --Sahnewal	30	3	Departmentally	NA	10	100%
96	220 KV Lalton Kalan- Humbran	36	4	Departmentally	NA	12	100%
97	220 KV Lalton Kalan--FZR. Road Ludhiana	24	2.5	Departmentally	NA	8	100%

98	220 KV Humbran - FZR. Road Ludhiana	12	1.2	Departmentally	NA	4	100%
99	220 KV Lalton Kalan - Jagraon	30	3	Departmentally	NA	10	100%
100	220 KV PGCIL Lalton Kalan --Jagraon	30	3	Departmentally	NA	10	100%
101	220KV Lalton Kalan PGCIL-- Lalton Kalan Ckt.3	9	1	Departmentally	NA		0%
102	220KV Jamalpur-Ganguwal Ckt-1	33	3.3	Departmentally	NA	11	100%
103	220KV Jamalpur-Ganguwal Ckt-2	33	3.3	Departmentally	NA	11	100%
104	220KV Pakhowal-Mehal Kalan ckt.1	30	3	Departmentally	NA	10	100%
105	220KV Pakhowal-Mehal Kalan ckt.2	30	3	Departmentally	NA	10	100%
106	400KV Rajpura- Dhuri Ckt-1	102	13.000	Departmentally	NA	102	100%
107	400KV Rajpura- Dhuri Ckt-2	102	13.000	Departmentally	NA	102	100%
108	220 KV Nalagarh Mohali Circuit -1 (D/C)	138	13.800	Departmentally	NA	138	100%
109	220 KV Nalagarh Mohali Circuit -2 (D/C)	138	13.800	Departmentally	NA	138	100%
110	220 KV Ganguwal Mohali Line	138	13.800	Departmentally	NA	138	100%
111	220 KV Ganguwal Majra Line	138	13.800	Departmentally	NA	138	100%
112	220 KV PhagganMajra Rajpura Line (S/C)	90	9.000	Departmentally	NA	21	23%
113	220 KV PhagganMajra Batheri Line (S/C)	90	9.000	Departmentally	NA	21	23%
114	220 KV Batheri Rajpura Line (S/C)	90	9.000	Departmentally	NA	90	100%

11 5	220 KV Batheri- Devigarh Line Ckt-1	48	4.800	Departmentally	NA	0	0
11 6	221 KV Batheri- Devigarh Line Ckt-2	48	4.800	Departmentally	NA	0	0
11 7	220 KV Mohali-Jalru line (S/C)	120	120.00 0	Departmentally	NA	120	100%
11 8	220 KV Mohali 80C - Derabassi Line (S/C)	120	120.00 0	Departmentally	NA	120	100%
11 9	220 KV Derabassi Ghaggar Railway Line	24	3.600	Departmentally	NA	24	100%
12 0	132 KV Kotla Ropar Circuit -2	42	3.570	Departmentally	NA	42	100%
12 1	132 KV Asron Ranbaxy Line	48	4.400	Departmentally	NA	48	100%
12 2	132 KV Nakkian Ropar Line	90	8.250	Departmentally	NA	90	100%
12 3	132 KV Ropar Kharar Line	90	8.250	Departmentally	NA	90	100%
12 4	132 KV Anandpur Sahib Railway Line	60	5.500	Departmentally	NA	60	100%
12 5	132 KV RTP- Ropar Line	90	8.250	Departmentally	NA	90	100%
12 6	132 KV RTP- Asron Line	90	8.250	Departmentally	NA	90	100%

						ANEXURE-II
Action Plan for Completion of Remaining work before ensuing winter season						
Sl. No.	Name of Circuit	Length (km)	No. of Porcelain insulator strings to be replaced with Insulator	Polymer Strings Required	Nos of days Outage required	Present status/Action Plan
1	400KV D/C JAIPUR(S)- Bassi I	37.2	0			Completed
2	400KV D/C JAIPUR(S)- Bassi II	37.2	0			Completed
3	400KV S/C Risheekesh-Roorkee(Lilo)	2.1	51	93	2	31/03/2017
4	400KV S/C Muzzfarnagr-Roorkee (LILO)	2.1	39	69	2	31/03/2017
5	220KV D/C RAPPB-CHITT-I	128.8	0			Completed
6	220KV D/C RAPPB-CHITT-II	128.8	0			Completed
7	220KV S/C RAPPB-UDAIPUR	230.3	0			Completed
8	220KV D/C ANTA-BHIL-I	186.7	1944	1944	7	30/04/2017
9	220KV D/C ANTA-BHIL-II	186.7	1944	1944	7	30/04/2017
10	220KV S/C ANTA-Lalshot	10.0	81	81	3	30/04/2017
11	220KV ANTA-S.MDHPR	13.5	108	108	3	30/04/2017
12	220KV S/C S.MDHPR-DAUSA	13.5	108	108	2	30/04/2017
		976.8	4275	4347		

Action plan for cleaning of conventional Insulators in polluted stretches

Date : 12.01.2017

Sr No.	Name of the Line	Nos. of Locations proposed for cleaning	Nos. of Porcelain Insulator strings to be cleaned before ensuing winter i.e. before 15.12.2016	Length to be Cleaned (kM)	weather to be done Departmently or contract basis.	No. of Days of Outage Required	Likely Date of completion of work	Present Status
1	765 kV Moga-Bhiwani	29	87	10	Depatmantly	1	12-02-2016	Completed
2	765 kV Phagi-Bhiwani I	45	135	16	Contract	1	12-10-2016	Completed
3	765 kV Gwalior-Phagi I	20	60	7	Contract	1	23/11/2016	Completed
4	765 kV Gwalior-Phagi II	20	60	7	Contract	1	24/11/2016	Completed
5	400 kV Agra-Jaipur (S) I	18	54	6	Contract	1	12-06-2016	Completed
6	400 kV Agra-Jaipur (S) II	18	54	6	Contract	1	12-09-2016	Completed
7	400 kV Agra-Bassi	181	543	63	Contract	2	13/11/2016	Completed
8	400KV BASSI-PHAGI-I	38	114	13	Contract	2	12-12-2016	Completed
9	400KV BASSI-PHAGI-II	38	114	13	Contract	2	17/11/2016	Completed
10	400 kV Agra-Sikar I	46	138	16	Depatmantly	2	15/11/2016	Completed
11	400 kV Agra-Sikar II	46	138	16	Depatmantly	2	17/11/2016	Completed
12	400 kV Sikar-Ratangarh I	12	36	4	Depatmantly	1	11-07-2016	Completed
13	400 kV Sikar-Ratangarh II	12	36	4	Depatmantly	1	11-08-2016	Completed
14	400KV NMRN- SKR-I	65	195	23	Depatmantly	2	17/11/2016	Completed
15	400KV NMRN- SKR-II	65	195	23	Depatmantly	2	21/12/2016	Completed
16	220 kV IG Nagar-Hirapura	29	87	10	Contract	1	11-07-2016	Completed
17	220 kV HRAPRA-MANSAROVER	2	6	1	Contract	1	11-08-2016	Completed
18	220 kV MNSROVR-SNGANR	19	57	7	Contract	1	11-09-2016	Completed
19	220 kV BASSI-DAUSA I	54	162	19	Contract	1	11-10-2016	Completed
20	220 kV BASSI-DAUSA II	54	162	19	Contract	1	11-11-2016	Completed
21	220 kV Sikar-Sikar I	10	30	4	Depatmantly	1	11-09-2016	Completed
22	220 kV Sikar-Sikar II	10	30	4	Depatmantly	1	11-10-2016	Completed

1 **Action plan for cleaning of conventional Insulators in polluted stretches**

Annex-IV

Sr No.	Name of the Line	Nos. of Locations proposed for cleaning	Nos. of Porcelain Insulator strings to be cleaned before ensuing winter i.e. before 15.12.2016	Length to be Cleaned (kM)	weather to be done Departmently or contract basis.	If to be done through contract, status of awarding of contract	No. of Days of Outage Required	Likely Date of completion of work	Remark
1	765 kV Moga-Bhiwani	29	87	10	Depatmantly		1	26/11/2016	
2	765 kV Phagi-Bhiwani I	45	135	16	Contract	Awarded	1	28/11/2016	
3	765 kV Gwalior-Phagi I	20	60	7	Contract		1	23/11/2016	
4	765 kV Gwalior-Phagi II	20	60	7	Contract		1	24/11/2016	
5	400 kV Agra-Jaipur (S) I	18	54	6	Contract		1	21/11/2016	
6	400 kV Agra-Jaipur (S) II	18	54	6	Contract		1	22/11/2016	
7	400 kV Agra-Bassi	181	543	63	Contract		2	25/11/2016	
8	400KV BASSI-PHAGI-I	38	114	13	Contract		2	27/11/2016	
9	400KV BASSI-PHAGI-II	38	114	13	Contract		2	29/11/2016	
10	400 kV Agra-Sikar I	46	138	16	Contract	Awarded	2	24/11/2016	
11	400 kV Agra-Sikar II	46	138	16	Contract		2	25/11/2016	
12	400 kV Sikar-Ratangarh I	12	36	4	Contract		1	27/11/2016	
13	400 kV Sikar-Ratangarh II	12	36	4	Contract		1	28/11/2016	
14	400KV NMRN- SKR-I	65	195	23	Contract		2	20/11/2016	
15	400KV NMRN- SKR-II	65	195	23	Contract		2	21/11/2016	
16	220 kV IG Nagar-Hirapura	29	87	10	Contract	Awarded	1	17/11/2016	
17	220 kV HRAPRA-MANSAROVER	2	6	1	Contract		1	18/11/2016	
18	220 kV MNSROVR-SNGANR	19	57	7	Contract		1	19/11/2016	
19	220 kV BASSI-DAUSA I	54	162	19	Contract		1	20/11/2016	
20	220 kV BASSI-DAUSA II	54	162	19	Contract		1	21/11/2016	
21	220 kV Sikar-Sikar I	10	30	4	Contract	Awarded	1	12-01-2016	
22	220 kV Sikar-Sikar II	10	30	4	Contract		1	212/2016	

UPDATE STATUS OF CLEANING OF INSULATORS AS ON 31.12.2016 AND ACTION PLAN FOR CLEANING OF LEFT OUT INSULATORS

Name of the organization: BBMB								
Sr. No.	Name of Circuit	Total No. of Towers	No. of porcelain insulator strings (towers) cleaned till 31.12.2016		No. of porcelain insulator strings (towers) left out for cleaning.		Likely date of completion of cleaning of insulator strings	Remarks
			No. of Tower	No. of Strings	No. of Tower	No. of Strings		
1	400 kV Dehar - Panchkula line	344	168	504	0	0		100% work completed on critical/polluted towers.
2	400 kV Panchkula- Panipat line	430	106	318	0	0		do
3	400 kV Dehar - Rajpura line	342	192	576	0	0		do
4	400 kV Rajpura - Bhiwani line	603	100	300	0	0		do
5	220 kV R/Road-Narela ckt-I	81	61	183	0	0		do
6	220 kV R/Road-Narela ckt-II	81	61	183	0	0		do
7	220 kV Panipat-Narela ckt-I	197	54	162	0	0		do
8	220 kV Panipat-Narela ckt-II	197	36	108	13	39	17.02.2017	74% work compl ed on critical towers. Balance work will be completed on 17.02.2017.
9	220 kV Panipat-Narela ckt-III	171	77	231	0	0		do
10	220 KV Dhulkote-Panipat ckt-I	433	38	114	0	0		do
11	220 KV Dhulkote-Panipat ckt-II	433	38	114	0	0		do
12	220 K.V. KKTRA - Panipat S/C Line	233	54	162	0	0		do
13	220 kV Panipat -Ch. Dadri S/C line	344	60	180	0	0		do
14	220KV B/Garh-BTPS Ckt-I	90	0	0	0	0		Polymer insulator provided.
15	220KV B/Garh-BTPS Ckt-II	90	0	0	0	0		do
16	220KV B/Garh-Dadri Ckt	411	81	292	0	0		Work completed on critical/polluted towers.
17	220KV S/Pur-Dadri Ckt	404	81	292	0	0		do
18	220KV B/Garh-S/Pur Ckt -I	20	0	0	0	0		Polymer insulator provided.
19	220KV B/Garh-S/Pur Ckt -II	20	0	0	0	0		do

20	220KV B/Garh-S/Pur Ckt -III	23	1	6	0	0		Work completed on critical/polluted towers.
21	220 kV Hisar-Sangrur Ckt. I	478	117	351	0	0		do
22	220 kV Hisar-Sangrur Ckt. II	478	159	479	0	0		do
23	220KV BWN-Dadri ckt-1	124	21	66	0	0		do
24	220KV BWN-Dadri ckt-2	124	21	66	0	0		do
25	220KV BWN-Dadri ckt-3	127	21	69	0	0		do
26	220KV Bwn-Dadri ckt-4	127	21	66	0	0		do
27	220KV Hisar-Bwn ckt-I	199	33	105	0	0		do
28	220KV Hisar-Bwn ckt-II	199	33	105	0	0		do
29	220kV Bhakra - Jamalpur ckt-I	277	277	1034	0	0		do
30	220kV Bhakra - Jamalpur ckt-II	277	277	1034	0	0		do
31	220kV Jamalpur – Sangrur ckt-I	268	268	965	0	0		do
32	220kV Jamalpur – Sangrur ckt-II	268	268	965	0	0		do
33	220 kV Sangrur – Barnala S/C	110	110	372	0	0		do
34	220 kV Barnala – Lehra Mohabbat S/C	116	116	435	0	0		do
35	220 kV Lehra Mohabbat-Bhatinda S/C	85	85	339	0	0		do
36	220 kV Jalandhar – Jamalpur ckt-I	218	29	99	0	0		do
37	220 kV Jalandhar – Jamalpur ckt-II	218	29	99	0	0		do
38	220 kV Pong-Jalandhar ckt-I	331	28	93	0	0		do
39	220 kV Pong - Jalandhar ckt-II	331	34	119	0	0		do
40	220 kV Pong – Dasuya ckt-IV	169	34	111	0	0		do
41	220 kV Dasuya –Jalandhar Ckt-IV	120	0	0	0	0		do
42	220 kV Ganguwal-Dhulkote ckt-I	376	376	1590	0	0		do
43	220 kV Ganguwal – Dhulkote ckt-II	376	376	1590	0	0		do
44	132 kV Ganguwal – Kotla ckt-I	45	45	390	0	0		do
45	132 kV Ganguwal – Kotla ckt-II	45	45	390	0	0		do
46	220 kV Ganguwal – Jagadhri S/C	489	489	1824	0	0		do
47	220 kV Jagadhri – Kurukshetra S/C	149	149	525	0	0		do

Detail of Insulator Cleaning in Jaipur Zone		
1	220 KV PGCIL (Bhiwadi)- KhushKhera Ckt.-I	66 strings cleaned on dated 01.01.17 vide W.O. No. 428 dated 30.12.2016
2	220 KV PGCIL (Bhiwadi)- KhushKhera Ckt.-II	42 strings cleaned on dated 02.01.17 vide W.O. No. 428 dated 30.12.2016
3	220 KV PGCIL (Neemrana)- KhushKhera	24 strings cleaned on dated 03.01.17 vide W.O. No. 428 dated 30.12.2016
4	220 KV BHIWADI-PGCIL LINE	Disc Insulator Cleaning Work carried out of the lines on contract basis vide W. O. No. RVPN/XEN/220 KV GSS/ Bhiwadi/ Works / D. 769 dt. 30/12/2016
5	220 KV Neemrana- PGCIL Neemrana	No tripping observed due to fog in this after 07/01/2016
6	220 KV Neemrana- PGCIL Bhiwadi	No tripping observed due to fog in this after 15/01/2016
7	220 KV Neemrana - Kotputli Line	No tripping observed due to fog in this after 15/01/2016

PUNJAB STATE TRANSMISSION CORPORATION LIMITED

Pollution smog related issued for EHV Lines

Sr No.	Name of Line	Length of line in K.M.	SC / DC	Size of conductor	Category of Line			
					No action required as line passes through non-polluted/ Non fog areas	Insulators have been replaced and no further action is required	Insulators have been partly replaced and Insulators are being further replaced/ cleaned	Insulators have not been replaced and cleaning is being done.
1	400KV Balachak-Makhu	63.708	DC	0.5x2	-	-	-	Yes
2	400KV Talwandi Sabo-Muktsar	100.300	DC	0.5x2	-	-	-	Yes
3	400KV Talwandi Sabo-Dhuri	87.600	DC	0.5x2	-	-	-	Yes
4	400KV Talwandi Sabo-Moga	93.000	SC	0.5	-	-	-	Yes
5	400KV Talwandi Sabo-Nakodar	163.000	SC	0.5	-	-	-	Yes
6	400KV Muktsar-Makhu	95.247	DC	0.5x2	-	-	-	Yes
7	400KV Makhu-Nakodar	52.722	DC	0.5x2	-	-	-	Yes
8	400KV Moga-Makodar	73.000	SC	0.5	-	-	Yes (Replaced with Antifog)	-
9	400KV Rajpura-Nakodar	139.527	DC	0.5x2	-	-	Yes (Replaced with Antifog in portion of Nakodar to Satluj river)	Yes (in portion of Rajpura to Satluj river)
10	400KV Rajpura-Dhuri	84.873	DC	0.5x2	-	-	-	Yes
11	400KV Rajpura-Rajpura	11.400	DC	0.5x2	-	-	-	Yes

Insulator Cleaning Status as on 15.12.16

Sl.No	Name of the Line	No. of Towers	Cleaning Status	Remarks
1	±500 KV HVDC Ballia-Bhiwadi Pole-I	150	Done (Balance Loc S/D not given)	
2	±500 KV HVDC Ballia-Bhiwadi Pole-II	150	Done (Balance Loc S/D not given)	
3	±500 KV HVDC Rihand-Dadri Pole-I	131	Critical Location Done	Balance 63 Nos tension and 17 Nos suspension towers (Total 80 nos) will be cleaned in next S/D.
4	±500 KV HVDC Rihand-Dadri Pole-II	285	Critical Location Done	Balance 40 Nos tension and 53 Nos suspension towers (total 93 nos) will be cleaned in next S/D.
5	765 KV Lucknow-Ballia	123	Done (30.11.16 to 02.12.16)	
6	765 KV Agra-Fatehpur-II	34	Done on 22.11.16	
7	400 KV Lucknow-Rosa	11	Done on 23.11.16	
8	400 KV Lucknow-Shahjehanpur	11	Done on 22.11.16	
9	400 KV Kanpur-Panki-I		Polymer Installed	
10	400 KV Kanpur-Panki-II		Polymer Installed	
11	400 KV Fatehpur-Mainpuri-I	77	Done (23.11.16 to 24.11.16)	
12	400 KV Fatehpur-Mainpuri-II	100	Done (25.11.16 to 26.11.16)	
13	400 KV Kanpur-Agra	150	Done (01.12.16 to 03.12.16)	
14	400 KV Agra-Auraiya-I	50		S/D not given
15	400 KV Agra-Auraiya-II	50		S/D not given
16	400 KV Bareilly-Muradabad-I	50	Done (04.12.16 to 05.12.16)	
17	400 KV Bareilly-Muradabad-II	21	Done (06.12.16)	
18	400 KV Lucknow(UP)-Bareilly	50	Done (08.12.16 to 09.12.16)	
19	400 KV Singrauli-Allahabad-I	50		S/D not given
20	765 KV Agra-Gwalior-I	60	Replacement done 36 towers balance for which S/D required	
21	765 KV Agra-Gwalior-II	60		S/D not given
22	400 KV Agra-Bassi	100	Done	
23	400 KV Agra-Jaipur South-I	90	Done	
24	400 KV Agra-Jaipur South-II	115	Done	
25	400 KV Rihand-Allahabad-I	210	16.12.16 to 17.12.16	S/D not given
26	400 KV Rihand-Allahabad-II	210	18.12.16 to 19.12.16	S/D not given
27	400 KV Allahabad-Fatehpur-I	72	19.12.16	S/D not given
28	400 KV Allahabad-Fatehpur-II	72	20.12.16	S/D not given
29	400KV Singrauli-Fatehpur	145	14.12.16 to 15.12.16	S/D not given
30	400KV Singrauli-Allahabad-I	188	09.12.16 to 10.12.16	S/D not given
31	400KV Singrauli-Allahabad-II	171	11.12.16 to 12.12.16	S/D not given
32	400KV Singrauli-Lucknow	144	13.12.16 to 14.12.16	S/D not given

Status of Polymer Insulator Replacement in various transmission lines in NR-III as on 15.12.2016

Sl. No.	Name of Line	Group	Line Length (km)	From	To	Total Susp. Towers	Total Ten. Tower	Comp. Susp. Towers	Comp. Ten. Tower	Bal. Susp. Towers	Bal. Ten. Tower	Status/Action Plan
1	400KV SC Kanpur-Ballabgarh-I	MNP	169.136	287	734	376	72	361	71	15	1	Work is under progress
		KNP	107.193	1	286	237	49	149	0	88	49	Work is under progress
		Total				613	121	510	71	103	50	
2	500KV HVDC Rihand-Dadri Pole-I	MNP	154.8	1437	1840	348	59	348	23	0	36	1-New proposal for balance work is approved. 2-Balance work shall be carried out next S/D.
		KNP	215.25	876	1436	464	97	464	97	0	0	Insulator Replacement Completed.
		ALD	142.2	485	875	330	61	328	55	2	6	1-Work have awarded to M/s Ramraj & Sons Ltd. 2-Balance work shall be carried out next S/D.
		MZP	52.0	372	484	86	27	68	26	18	1	1-Work awarded to M/s Ramraj & Sons Ltd. 2-Balance work shall be got done in next S/D.
		SKT	132.1	1	371	188	183	153	41	35	142	Balance work shall be carried out next S/D.
		Total				1416	427	1361	242	55	185	
3	500KV HVDC Rihand-Dadri Pole-II	MNP	154.8	1437	1840	348	59	348	33	0	0	Insulator Replacement Completed.
		KNP	215.252	876	1436	464	97	456	96	8	1	1-Balance work shall be carried out next S/D.
		ALD	142.2	485	875	330	61	200	56	130	5	1-Work awarded to M/s Ramraj & Sons Ltd. 2-Balance work shall be got done in next S/D.
		MZP	52.0	372	484	86	27	85	26	1	1	1-Work awarded to M/s Ramraj & Sons Ltd. 2-Balance work shall be got done in next S/D.
		SKT	132.1	1	371	188	183	86	28	102	155	Balance work shall be carried out next S/D.
		Total				1416	427	1175	239	241	162	
4	400KV SC Allahabad - Kanpur	KNP	182.305	782	1128	291	56	276	56	15	0	Balance work shall be carried out next S/D.
5	220KV DC Unchahar-Kanpur- I	KNP	132.004	38	445	312	96	76	27	236	69	Balance work shall be carried out next S/D.
		LKO	11.55	1	37	21	16	0	0	21	16	
		Total				333	112	76	27	257	85	
6	220KV DC Unchahar-Kanpur- II	KNP	132.004	38	445	312	96	178	18	134	78	Balance work shall be carried out next S/D.
		LKO	11.55	1	37	21	16	17	0	4	16	
		Total				333	112	195	18	138	94	
7	220KV DC Unchahar-Kanpur- III	KNP	133.14	38	449	322	90	69	7	253	83	Work is under progress
		LKO	11.398	1	37	23	14	0	0	23	14	
		Total				345	104	69	7	276	97	
8	220KV DC Unchahar-Kanpur- IV	KNP	133.14	38	449	322	90	191	25	131	65	Work is under progress
		LKO	11.398	1	37	23	14	15	0	8	14	
		Total				345	104	206	25	139	79	
9	220KV DC Unchahar-Chinahat-Lucknow LILO (IN & OUT) Line	LKO	2.11	1	6	2	4	1	0	1	4	1-Insulators replacement work will be taken up after the availability of suitable polymer insulators.
10	400KV DC Agra-Auraiya-I	AGRA	165.8	1	449	352	84	297	45	55	39	1-Polymer Insulators are not available.
11	400KV DC Agra-Auraiya-II	AGRA	165.8	1	449	352	84	297	45	55	39	2-Work will be carried in next S/D subject to availability insulators.
Total						704	168	594	90	110	78	
12	400KV DC Agra-Bassi-I	AGRA	122	1	321	245	42	34	0	211	42	1-Polymer Insulators are not available. 2-Insulators replacement work NIT is under process as open tender at RHQ C&M. 3-Work will be completed by 30.04.16 subject to availability of insulators.
13	400KV SC Singrauli-Anpara	SKT	25.1	1	81	25	56	0	0	25	56	1-Work will start after proposed S/D will be approved by NRLDC.
14	400KV DC Gorakhpur-Gorakhpur-I	AZM	Partial			29	12	0	0	29	12	1-Polymer Insulators are not available. 2-Work will be start after the availability of insulators.
15	400KV DC Gorakhpur-Gorakhpur-II	AZM	Partial			29	12	0	0	29	12	
Total						58	24	0	0	58	24	
16	220KV SC Allahabad-Jhushi	ALD	Partial			12	11	0	0	12	11	1-Work will be carried out after the getting S/D from NRLDC.
17	400KV DC Bareilly-Kashipur-I	BLY	Partial							2		1-02 Nos Suspension towers and 14 Nos Pilot strings are to be replaced by 96 Nos polymer insulators after resolving severe ROW in transmission line.
18	400KV DC Bareilly-Kashipur-II	BLY	Partial							2		
Total										4		

Status of Polymer Insulator Replacement in various transmission lines in NR-III as on 15.12.2016

Sl. No.	Name of Line	Group	Line Length (km)	From	To	Total Susp. Towers	Total Ten. Tower	Comp. Susp. Towers	Comp. Ten. Tower	Bal. Susp. Towers	Bal. Ten. Tower	Status/Action Plan
1	500KV HVDC Rihand-Dadri Pole-I	MNP	154.8	1437	1840	348	59	348	23	0	36	1-New proposal for balance work is approved. 2-Balance work shall be carried out next S/D.
		KNP	215.25	876	1436	464	97	464	97	0	0	Insulator Replacement Completed.
		ALD	142.2	485	875	330	61	328	55	2	6	1-Work have awarded to M/s Ramraj & Sons Ltd. 2-Balance work shall be carried out next S/D.
		MZP	52.0	372	484	86	27	68	26	18	1	1-Work awarded to M/s Ramraj & Sons Ltd. 2-Balance work shall be got done in next S/D.
		SKT	132.1	1	371	188	183	153	41	35	142	Balance work shall be carried out next S/D.
Total						1416	427	1361	242	55	185	
2	500KV HVDC Rihand-Dadri Pole-II	MNP	154.8	1437	1840	348	59	348	33	0	0	Insulator Replacement Completed.
		KNP	215.252	876	1436	464	97	456	96	8	1	1-Balance work shall be carried out next S/D.
		ALD	142.2	485	875	330	61	200	56	130	5	1-Work awarded to M/s Ramraj & Sons Ltd. 2-Balance work shall be got done in next S/D.
		MZP	52.0	372	484	86	27	85	26	1	1	1-Work awarded to M/s Ramraj & Sons Ltd. 2-Balance work shall be got done in next S/D.
		SKT	132.1	1	371	188	183	86	28	102	155	Balance work shall be carried out next S/D.
Total						1416	427	1175	239	241	162	

UPDATE STATUS OF CLEANING OF INSULATORS AS ON 06.12.2016 AND ACTION PLAN FOR CLEANING OF LEFT OUT INSULATORS							
Name of the organization: BBMB							
Sr. No.	Name of Circuit	Total No. of Towers	No. of porcelain insulator strings (towers) cleaned till 06.12.2016		No. of porcelain insulator strings (towers) left out for cleaning.		Likely date of completion of cleaning of insulator strings
			No. of Tower	No. of Strings	No. of Tower	No. of Strings	
1	400 kV Dehar - Panchkula line	344	168	504	0	0	
2	400 kV Panchkula- Panipat line	430	106	318	0	0	
3	400 kV Dehar - Rajpura line	342	192	576	0	0	
4	400 kV Rajpura - Bhiwani line	603	100	300	0	0	
5	220 kV R/Road-Narela ckt-I	81	29	87	32	96	04.01.2017
6	220 kV R/Road-Narela ckt-II	81	39	117	22	66	14.12.2016
7	220 kV Panipat-Narela ckt-I	197	21	63	33	99	15.12.2016
8	220 kV Panipat-Narela ckt-II	197	0	0	49	147	16.12.2016
9	220 kV Panipat-Narela ckt-III	171	58	174	19	57	17.12.2016
10	220 KV Dhulkote-Panipat ckt-I	433	38	114	0	0	
11	220 KV Dhulkote-Panipat ckt-II	433	38	114	0	0	
12	220 K.V. KKTRA - Panipat S/C Line	233	54	162	0	0	
13	220 kV Panipat -Ch. Dadri S/C line	344	47	141	13	39	12.12.2016
14	220KV B/Garh-BTPS Ckt-I	90	0	0	0	0	
15	220KV B/Garh-BTPS Ckt-II	90	0	0	0	0	
16	220KV B/Garh-Dadri Ckt	411	31	102	50	190	31.12.2016
17	220KV S/Pur-Dadri Ckt	404	59	223	22	69	31.12.2016
18	220KV B/Garh-S/Pur Ckt -I	20	0	0	0	0	
19	220KV B/Garh-S/Pur Ckt -II	20	0	0	0	0	
20	220KV B/Garh-S/Pur Ckt -III	23	1	6	0	0	
21	220 kV Hisar-Sangrur Ckt. I	478	117	351	0	0	
22	220 kV Hisar-Sangrur Ckt. II	478	42	128	117	351	31.12.2016
23	220KV BWN-Dadri ckt-1	124	21	66	0	0	31.12.2016

24	220KV BWN-Dadri ckt-2	124	18	57	3	9	31.12.2016	85% work completed on critical/polluted towers. Balance will be completed upto 31.12.2016
25	220KV BWN-Dadri ckt-3	127	0	0	21	69	31.12.2016	Work will be completed on critical/polluted towers upto 31.12.2016
26	220KV Bwn-Dadri ckt-4	127	18	57	3	9	31.12.2016	85% work completed on critical/polluted towers. Balance will be completed upto 31.12.2016
27	220KV Hisar-Bwn ckt-I	199	21	69	12	36	31.12.2016	64% work completed on critical/polluted towers balance will be completed upto 31.12.2016
28	220KV Hisar-Bwn ckt-II	199	25	81	8	24	31.12.2016	76% work completed on critical/polluted towers balance will be completed upto 31.12.2016
29	220kV Bhakra - Jamalpur ckt-I	277	277	1034	0	0		Work completed. Disc cleaning of polluted towers to be done again.
30	220kV Bhakra - Jamalpur ckt-II	277	277	1034	0	0		do
31	220kV Jamalpur – Sangrur ckt-I	268	268	965	0	0		Work completed on critical/polluted towers.
32	220kV Jamalpur – Sangrur ckt-II	268	268	965	0	0		do
33	220 kV Sangrur – Barnala S/C	110	110	372	0	0		do
34	220 kV Barnala – Lehra Mohabbat S/C	116	116	435	0	0		do
35	220 kV Lehra Mohabbat-Bhatinda S/C	85	85	339	0	0		do
36	220 kV Jalandhar – Jamalpur ckt-I	218	29	99	0	0		do
37	220 kV Jalandhar – Jamalpur ckt-II	218	29	99	0	0		do
38	220 kV Pong-Jalandhar ckt-I	331	28	93	0	0		do
39	220 kV Pong - Jalandhar ckt-II	331	34	119	0	0		do
40	220 kV Pong – Dasuya ckt-IV	169	34	111	0	0		do
41	220 kV Dasuya –Jalandhar Ckt-IV	120	0	0	0	0		do
42	220 kV Ganguwal-Dhulkote ckt-I	376	376	1590	0	0		do
43	220 kV Ganguwal – Dhulkote ckt-II	376	376	1590	0	0		do
44	132 kV Ganguwal – Kotla ckt-I	45	45	390	0	0		do
45	132 kV Ganguwal – Kotla ckt-II	45	45	390	0	0		do
46	220 kV Ganguwal – Jagadhri S/C	489	489	1824	0	0		do
47	220 kV Jagadhri – Kurukshetra S/C	149	124	435	25	90	15.12.2016	

Status of replacement of Porcelain insulators with Polymer insulators												
As on- 01.12.16												
Sl.No.	Name of Line/voltage	Line details			Insulators to be replaced by			Progress		Schedule for completion of		Remarks
		Length (Kms)	Total Towers location (Nos)	Total Insulator Strings (Nos)	Length (Kms)	Total Towers Locations (Nos)	Total Insulators Strings (Nos)	Tower Loc. No.	%age of Tower Locations	Start/date	End/Date	
1	2	3	4	5	6	7	8	9	10	11	12	13
1	400KV Azamgarh-Gorakhpur (V String)	89.832	245	1470	28	70	420	70	100%	12.06.12	31.08.12	Completed
2	400KV Anpara-Mau L-6 line	262.267	730	4380	40	87	522	87	100%	18.12.11 23.10.13	09.06.12 25.10.13	Completed
3	400KV Mau-Azamgarh line	48.351	133	1002	5	15	90	15	100%	06.05.13	09.05.13	Completed
4	400KV Muradnagar-Muzaffarnagar	90.00	239	717	52.57	184	552	184	100%	08.03.11	16.05.11	Completed
5	400KV Unnao-Bareilly (D.C)	271	745	4470	40	238	1428	238	100%	14.03.12	30.04.13	Completed
6	400KV Unnao-Panki (V-string)	48.73	131	786	8.4	22	132	10	100%	26.11.09	27.11.09	Completed
								1		11.11.11	11.11.11	Completed
								7		19.11.12	23.11.12	Completed
								4		28.11.12	30.11.12	Completed
7	400KV Agra- Muradnagar (V-string)	194.6	519	3804	37.5	100	600	33	100%	01.01.11	08.11.11	Completed
								6		26.03.12	26.03.12	Completed
								37		07.05.12	12.05.12	Completed
								6		14.05.12	14.05.12	Completed
								18		15.05.12	16.05.12	Completed
8	400 KV Unnao-Agra (V- string)	274.7	710	4266	87.3	220	1320	31	100%	18.08.09	27.08.09	Completed
								12		18.04.11	23.04.11	Completed
								9		20.05.11	22.05.11	Completed
								71		18.09.11	30.09.11	Completed
								43		21.11.11	28.11.11	Completed
								21		29.02.12	03.03.12	Completed
								7		25.01.14	31.01.14	Completed
								26		01.02.14	09.02.14	Completed
9	400KV Panki-Muradnagar (Upto Narrora)	278.8	710	2190	19.6	50	150	25	100%	24.02.11	28.02.11	Completed
								25		28.04.11	01.05.11	Completed
10	220KV DC Obra -Allahabad Line	210	573	3438	10	33 23	90S+32T 60S+18T	I Ckt 33 II Ckt 23	100%	30.11.11	04.12.11	Completed
11	220KV Gorakhpur - Tanda line	80.4	257	906	20	50	150	50	100%	-	30.12.11	
12	220KV Parichha-Safai-Mainpuri	212	667	2180	30.7	18	108	18	100%	19.11.11	22.11.11	Completed
								6		04.12.11	05.12.11	

Sl.No.	Name of Line/voltage	Line details			Insulators to be replaced by			Progress		Schedule for completion of		Remarks
		Length (Kms)	Total Towers location (Nos)	Total InsulatorSt rings (Nos)	Length (Kms)	Total Towers Locations (Nos)	Total Insulators Strings (Nos)	Tower Loc. No.	%age of Tower Locations	Start/date	End/Date	
13	220KV Panki-Fatepur-Naubasta	89.65	303	2428	26.7	90	270	10	100%	13.12.11	14.12.11	Completed
								35		20.12.11	28.12.11	
								11		31.03.12	03.04.12	Completed
								19		24.11.12	29.11.12	
14	220KV Shatabdiangar-Simbhaoli	40.25	124	372	16.8	56	168	56	100%	01.04.11	16.04.11	Completed
15	220KV Modipuram-Matore Ist Circuit	8.84	22	66	1.14	4	12	4	100%	14.04.11	14.01.11	
16	220KV Khurja-NAPP D/C Line	60.47	178	1068	6.50	21	126	21	100%	06.04.11	14.04.11	Completed
17	220KV Khurja-Jahangirabad	24.53	75	225	7.20	24	72	24	100%	17.04.11	19.04.11	
18	220KV Shikandrabad LILO	18.70	66	396	6.00	20	60	20	100%	11.04.11	12.04.11	Completed
19	220KV D/C Greater Noida-Noida Sector-20	36.00	125	750	14.86	52	156	52	100%	06.03.11	03.04.11	
20	220KV Sahibabad-Muradnagar Ckt. I & II	27.00	90	552	18.86	66	198	66	100%	08.03.11	17.03.11	Completed
21	132KV Noida Sector-20-Bhangel D/C Line	16.50	62	372	7.00	20	120	20	100%	12.11.11	20.11.11	
22	132KV Noida Sec-20-Surajpur LILO at Sec-66	24.50	106	318	9.50	37	111	37	100%	22.01.11	26.01.11	Completed
23	132KV D/C Greater Noida-Surajpur	7.00	33	198	8.00	22	132	22	100%	22.11.11	25.11.11	
24	132KV Banda-Karvi	73.7	221	750	20.0	40	240	40	67%	24.07.11	01.08.11	Completed
25	132 KV Banda-Mahoba	64	187	840	20.5	34	204	34	57%	03.12.11	13.12.11	
26	132 KV Karvi-Sirathu	63.6	197	654	19.5	40	240	40	67%	06.07.11	15.07.11	Completed
27	132 KV Panki-Noubasta D.C.	13.5	42	318	3.5	6	18	6	60%	08.11.11	08.11.11	
28	132KVNaubasta-Ghatampur	27.7	98	414	5.0	9	27	4	100%	05.11.11	05.11.11	Completed
								5		10.12.12	11.12.12	
							7626	7626				
						Progress=100%						

UPPTCL

Status of replacement of Porcelain insulators with Polymer insulators

As on- 01.12.16

Sl. No.	Name of Line/voltage	Line details			Insulators to be replaced by			Progress		Schedule for		Remarks
		Length (Kms)	Total Towers location (Nos)	Total InsulatorStrings (Nos)	Length (Kms)	Total Towers Locations (Nos)	Total Insulators Strings (Nos)	Tower Loc. No.	%age of Tower Locations	Start/date	End/Date	
1	2	3	4	5	6	7	8	9	10	11	12	13
1	400 KV Anpra-Sarnath L-5	158.341	445	3930	65	218	1308	135	63	17.02.15	25.08.15 17.12.15	
2	400 KV Anpra-Sarnath L-6	262.267	730	6282	65	216	1296	216	100	07.02.15	30.08.15 04.11.15	Completed
3	400 KV Gorakhpur-Azamgarh Line	89.832	245	2178	20.32	59	445	46	78	01.04.15 03.11.15	20.04.15 21.01.16	
4	400 KV Azamgarh-Mau Line	48.351	133	1002	24	50	329	40	80	20.03.15 11.04.15	10.04.15 24.05.15	-
5	220 KV Rewa Road-Cantt-Fatehpur line	125	426	2868	6	18	54	18	100	24.02.15 10.03.15	02.03.15 25.03.15	Completed
6	400KV Sultanpur-PGCIL Lucknow	163.64	329	987	6.5	52	52	52	100%	22.05.15	10.07.15	
7	220 KV Obra-Allahabad ckt-1	185	573	1938	31	90	356	90	100	23.01.15	06.02.15	Completed
8	220 KV Obra-Allahabad ckt-II	185	573	1938	25	81	326	81	100	10.01.15	22.01.15	Completed
9	220 KV Obra-Allahabad ckt-III	171	507	1752	39	106	377	106	100	08.02.15	23.02.2015	Completed
10	220 KV Obra-Sahupuri ckt-I	98.5	321	1056	21	68	237	43	63	21.02.15	08.03.15	
11	220 KV Obra-Sahupuri ckt-II	98.5	321	1056	21	68	237	43	63	21.02.15	01.03.2015	
12	400 KV Anpra-Sarnath L-3	157.653	431	2943	10	13	78	13	100	01.12.14	31.03.15	Completed
13	400 KV Obra-Sultanpur	123.3	330	990	6	45	135	45	100	20.04.15	24.04.15	Completed
14	220 KV S/C BTPS-Noida	16.945	58	174	8.386	17	51	17	100	19.02.15	23.02.15	Completed
15	220 KV D/C Gr.Noida-Noida Sec-129 (CKt-I)	22.64	93	279	8.678	23	69	23	100	10.02.15	11.02.15	Completed
16(b)	220 KV D/C Gr.Noida-Noida Sec-129 (CKt-II)	22.64	93	279	8.678	23	69	23	100	06.02.15	09.02.15	Completed
17	400 KV Panki- Muradnagar	278.8	1038	3160	230	556	2600	556	100	15.03.15 03.04.15	23.03.15 15.04.15	Completed
18	220 KV Muradnagar-Khurja Ckt-I	62.494	201	603	37	183	549	183	100	16.01.15	02.02.15	Completed
19	220 KV Muradnagar-Khurja Ckt-II	62	133	399	62	119	357	119	100	16.01.15	02.02.15	Completed

20	220 KV Muradnagar-Niwari Road	9.885	33	99	9	24	78	24	100	-	-	Completed
21(a)	220 KV Khurja-NAPP Ckt-I	60.047	180	754	50	148	444	148	100	16.01.15	16.01.15	Completed
21(b)	220 KV Khurja-NAPP Ckt-II	60.047	180	754	50	148	444	148	100	09.01.15	16.01.15	Completed
22	220 KV Nara-Matore Line	32	81	276	32	73	225	73	100	16.03.15	20.03.15	Completed
23	220 KV Nara-Muzaffarnagar Line	10.795	36	168	10.8	16	108	16	100	13.03.15	15.03.15	Completed
24	220 KV Nara-Roorkee Line	58	164	549	58	145	435	145	100	07.05.15 07.08.15	18.05.15 12.08.15	Completed
25	220 KV Modipuram -MuzaffarNagar line	44.8	135	567	29.9	91	303	91	100	03.02.15	06.02.15	Completed
26	220 KV Charla-Muzaffarnagar Line	43.96	99	405	22.63	68	204	68	100	04.05.15	08.05.15	Completed
27	132 KV Noida Sec20-Bhangel	2.913	15	90	0.684	2	12	2	100	10.05.15	11.05.15	Completed
28	132 KV Partapur- Niwari Road	14.41	45	135	14.41	26	78	26	100	17.04.15	20.04.15	Completed
29	132KV Modipuram-Medical	18.87	60	228	13.95	44	132	44	100	23.04.15	26.04.15	Completed
30	132KV Shatabdinagar- Medical	12.15	44	201	13.95	21	63.0	21	100	06.03.15 08.04.15	07.03.15 09.04.15	Completed
31	400 KV Bareilly-Unnao (DC Line)	271	745	4470	107	272	2256	272	36	21.02.16 12.01.16	29.02.16 14.04.16	
32	220 KV Gonda- Sohawal (S.C)	47.3	124	372	64	22	66					
33	220 KV Sultanpur-Tanda Tharmal-II (S.C)	69.7	191	573	40	110	330	110	100%	10.06.15	19.06.15	Completed
34	220 KV Sohawal-Gonda(S.C from Sarada to Katra	47.3	124	372	6.4	52	66	52	100%	02.02.16	06.02.16	
35	220 KV Sohawal-Sultanpur (26 Km DC), 50 KM S.C	69.87	180	540	13.3	33	100					
36	220 KV C.B. Ganj- Bareilly- Interconnector-I (LILO at Dohna S.C)	9	28	84	6.6	16	50					
37	220 KV C.B. Ganj- Bareilly- Interconnector-II(S.C)	10	32	96	6.6	16	50					
38	220 KV Bareilly- Shahjahanpur (Upto location No.170SC)	31	77	231	10.6	26	80					
39	220 KV Bareilly- Shahjahanpur (from location No.1 to 170 S.C)	58.74	152	456	16	40	120					
40	220 KV Badaun-C.B. Ganj(S.C)	52.4	150	450	13.3	33	100	30	90%	29.04.16	08.05.16	

41	220 KV Chinhhat - Raebareli (PGCIL) Ckt.	95.42	264	984	52	105	315	105	100%	26.09.15	28.09.15	Suspension Strings = 630 No.
42	220 KV Sarojini Nagar - Raebareli (PGCIL) Ckt.	70.42	199	693	26.5	62	186	62	100%	29.09.15	30.09.15	Suspension Strings = 501 No.
43	220 KV Sarojini Nagar - Gomti Nagar Ckt.	45.25	135	534	40	85	255	85	100%	03.10.15	04.10.15	Suspension Strings =
44	220 KV Gomti Nagar - Chinhhat Ckt.	14.03	48	219	8.85	14	42	14	100%	01.10.15	01.10.15	Suspension Strings = 69
45	132 KV DC Sarogninagar-SGPGI(D.C)	27.91	108	654	10	50	150					
46	132 KV DC Sarogninagar-TRT (S.C)	17.2	57	342	16	40	120					
47	132 KV Sohawal-Milkipur (S.C)	33.11	103	309	13.3	33	100	100	100%	10.05.15	11.05.15	Completed
48	132 KV Sultanpur- Akbarpur Line	60.02	200	600	13	30	50	45	100%	21.03.15	22.03.15	Completed
49	132KV Akbarpur- Tanda Line	16.02	46	138	0.3	5	5	5	100%	21.03.15	22.03.15	Completed
50	132 KV Sultanpur-Darshan Nagar(S.C)	59.38	191	573	13.3	33	100	100	100	12.05.15	13.05.15	Completed
51	132 KV Gonda-Beharaich (S.C)	65.77	205	615	22.7	56	220	73	35%	16.04.16	20.04.16	
52	132 KV Gauriganj-Amava (S.C)	51	154	462	8	20	60	60	100%	25.05.15	26.05.15	Completed
53	400 KV Agra-MuradNagar Line	194.6	519	3804	112.5	300	1800	300	100	01.01.15 16.04.15	01.01.15 28.04.15	Completed
54	220 KV Agra-I/II	10	33	324		10	100	10	100	26.02.15	26.02.15	Completed
55	132 KV Agra-Kriawali Line	27.5	88	576		27	84	27	100	21.03.15	21.03.15	Completed
56	132 KV Agra-Foundry Nagar	15	49	349		31	100	31	100	27.02.15	27.02.15	Completed
57	132 KV Agra-Taj Line	32	118	1404		33	130	33	100	03.04.15	04.04.15	Completed
58	220 KV Agra-Gokul Line	39	113	429	-	90	395	81	90	28.02.16	01.03.16	
59	132 KV Harduaganj-Sarsol	14.9	46	360		46	360	17	37	10.08.15	12.08.15	
60	132 KV Atrauli-Sarsol	31.3	108	723		25	150	16	64	01.08.15	02.08.15	
61	132 KV Atrauli-Boner	29.2	104	624		25	150					
62	220KV Harduaganj-Mainpuri	128	410	1768	30	126	900	106	84	01.02.15	30.05.15	
63	220KV Harduaganj-Khurja	43	145	996	10	33	240	27	82	01.02.15	30.05.15	
64	132 KV Mainpuri-Chhibramau	51.1	160	480		55	200	50	90	26.08.15	28.08.15	
65	400 KV Unnao-Panki S/C	48.73	131	786		100	500	96	96	23.04.16	30.04.16	
66	400 KV Unnao-Agra S/C	274.7	710	4266	454	699	2900	454	100	12.10.15	24.10.15	
										11.02.16	18.02.16	

67	220 KV Unnao-Panki D/C	40.5	126	774		90	200	90	100	23.05.16	31.05.16	Completed
68	220 KV Panki-Fatehpur	89.65	303	1992	89.65	302	1505	185	61	01.04.15	02.04.15	
69	132 KV Naubasra-Ghatampur	27.7	98	414	29.7	40	270	40	100	26.02.15	26.02.15	Completed
70	132 KV Naubasta-LML	9	35	210	9	31	150	31	100	29.03.15	29.03.15	Completed
71	132 KV Chhibramau-Kannauj	52	164	588	25	65	216					
72	132 KV Chhibramau-Neebkarori	33	95	333	24	70	219					
73	132 KV Chhibramau-Fatehgarh	28.2	96	360	21	60	186					
74	220 KV Parichha-BhartanaMainpuri line (a) Parichha-Orai I-ckt (b) Orai-Mainpurickt	57+86+62	173+260+187	2130	--	521	1600	551	100	03.04.15	03.04.15	Completed
75	220 KV Orai-Parichha II/III	55	151	1062	--	125	750					
76	220 KV Orai-Bhauti	89.59	249	930	--	180	600	180	100	18.04.15 01.09.15	19.04.15 16.09.15	Completed
77	132 KV Orai-Pukhrayan Line	49	150	513	--	117	375	117	100	10.03.15	13.03.15	Completed
78	132 KV Orai-Moth	59.9	198	675	--	170	520	170	100	14.03.15	20.03.15	Completed
79	132 KV Orai-Orai-I	5	18	69	--	15	40	15	100	19.03.15	19.03.15	Completed
80	132 KV Orai-Orai-II	4	12	54	--	11	20	11	100	19.03.15	21.03.15	Completed
81	132 KV Banda-Augasi	56.43	165	621	44	80	240	80	100	13.03.15	16.03.15	Completed
82	132 KV Banda-Bharua-I	56	161	624	--	41	250	82	100	21.03.15	23.03.15	Completed
83	132 KV Banda-Bharua-II	56	161	624	--	41	250			21.03.15	23.03.15	Completed
84	132 KV Banda-Karvi	73.736	222	729	64	84	220	84	100	24.03.15	24.03.15	Completed
85	132 KV Karvi-Sirathu	63.6	197	591	58	83	220	83	100	09.03.15	12.03.15	Completed
86	132 KV Banda-Mahoba	64	187	726	22	73	219	73	100	25.03.15	29.03.15	Completed
87	132 KV Mahoba-Rath	53	152	376	38	77	240	77	100	17.03.15	20.03.15	Completed
88	132 KV Bharua-Jhanabad	54	123	429	25	33	100	33	100	20.03.15	20.03.15	Completed
						7873	33571	6918				
				Progress=			88%					

PROGRESS OF REPLACEMENT OF NORMAL DISC INSULATOR BY POLYMER INSULATOR IN FY 2009-10

S.NO.	NAME OF LINE	TOTAL REQUIREMENT	NO. OF STRINGS CHANGED (NOS)
1	400 KV Unnao-Panki Line	60	60
2	400 KV Muradnagar-Muzffarnagar	126	126
3	400 KV Muradnagar-Panki Line	558	558
4	400 KV Unnao-Agra	186	186
5	220 KV Muradnagar-Shamli	234	234
6	220 KV Interconnector No-II (MUR)	24	24
7	220 KV Modipuram-Mataur Ist Ckt	33	33
8	220 KV NAPP-khurja	69	69
9	220 KV Muradnagar-Khurja	120	120
10	220 KV Muradnagar-Secandrabad	102	102
11	220 KV Sahibabad-Muradnagar	215	215
12	220 KV Gr. Noida-Noida 2 Ckt	201	201
13	220 KV Muradnagar-Modipuram	309	309
14	220 KV Modipuram-Mataur 2nd Ckt	9	9
15	220 KV Baraut-Muradnagar	135	135
16	220 KV DC Shatabdinagar-Mataur	174	174
17	220 KV Shatabdinagar-Modipuram	162	162
	TOTAL	2717	2717

Work progress for stage-I (%)=

100.00

Status of replacement of Porcelain insulators with Polymer insulators

As on- 01.12.16

Sl.No.	Name of Line/voltage	Line details			Insulators to be replaced by			Progress		Schedule for		Remarks
		Length (Kms)	Total Towers location (Nos)	Total Insulators strings (Nos)	Length (Kms)	Total Towers Locations (Nos)	Total Insulators Strings (Nos)	Tower Loc. No.	%age of Tower Locations	Start date	End Date	
1	2	3	4	5	6	7	8	9	10	11	12	13
1	400 KV Mau-Azamgarh	48.351	133	1002	13.2	50	210 S.+ 60 T.	50	100%	10.5.13 03.11.13 14.7.13 05.12.13 07.1.14	17.5.13 05.11.13 16.7.13 07.12.13 17.1.14	Completed
2	400 KV Gorakhpur-Azamgarh	89.832	245	1470	31	59	480	59	100%	20.10.13 30.10.13	10.11.13 16.11.13	Completed
3	400 KV Sarojininagar-Unnao	39.08	107	642	7.3	20	120	20	100%	19.10.13	28.10.13	Completed
									100%	19.11.13	21.11.13	Completed
8	400 KV Muzaffarnagar LILO	18.73	55	330	6	17	102	17	100%	08.03.13	11.03.13	Completed
9	220 KV Rewa Road-Cantt	9.5	31	160	2.5	8	24	8	100%	20.04.13	22.04.13	Completed
10	220 KV Obra-Allahabad-III	171	507	3042	18	50	150	50	100%	17.07.13	28.07.13	Completed
11	220 KV Sarojininagar-Unnao	40.2	136	816	14.77	50	300	50	100%	22.11.13	29.11.13	Completed
12	220 KV Sitapur-Shahjahanpur	93.85	269	954	23.2	67	200	67	100%	10.12.12	16.12.12	Completed
13	220 KV Sultanpur-Tanda	71.3	195	645	12	34	100	34	100%	14.06.13	20.06.13	Completed
16	220 KV Dadri LILO	12	44	264		24	144	24	100%	21.01.13	26.01.13	Completed
17	220 KV Muradnagar-Shamli Line	85.652	232	696	42	126	378	126	100%	06.02.13	12.02.13	Completed
18	220 KV Muradnagar-Khurja DC (for one ckt)	62.494	201	603	37	116	348	116	100%	27.01.13	01.02.13	Completed
19	220 KV NAPP-Khurja DC	60.047	180	540	40	116	348	116	100%	01.03.13	08.03.13	Completed
20	220 KV Khurja-Jahangirabad	24.53	73	219	9.5	28	84	28	100%	20.02.13	26.02.13	Completed
21	220 KV Shatabdinagar-Simbhaoli	40.153	124	372	10	33	99	33	100%	14.01.13	16.01.13	Completed
22	220 KV Sikandrabad LILO	18.789 (DC)	34	204	12	24	339	89	100%	28.02.13	01.03.13	Completed
		24.631 (SC)	65	195	24.631	65				13.02.13	15.02.13	Completed

Sl.No.	Name of Line/voltage	Line details			Insulators to be replaced by			Progress		Schedule for		Remarks
		Length (Kms)	Total Towers location (Nos)	Total InsulatorS trings (Nos)	Length (Kms)	Total Towers Locations (Nos)	Total Insulators Strings (Nos)	Tower Loc. No.	%age of Tower Locations	Start date	End Date	
23	220 KV Simbhawali-Matore	42.8	115	345		42	126	42	100%	23.01.13	24.01.13	Completed
24	132 KV SC Sarojininagar - SGPGI	15.021	47	141	4.47	14	42	14	100%	06.10.13	06.10.13	Completed
25	132 KV DC Sarojininagar - SGPGI	27.912	97	582	3.74	13	78	13	100%	07.10.13	07.10.13	Completed
										08.10.13	08.10.13	Completed
27	132 KV Lakhimpur-Palia	90	277	981	7.8	20	60	20	100%	03.12.12	05.12.12	Completed
28	132 KV Gola-Shahjahanpur	67	185	645	2.1	13	39	13	100%	02.12.13	02.12.13	Completed
29	132 KV Sitapur-Sidhauli	36	110	450	7.1	17	50	17	100%	17.12.12	18.12.12	Completed
33	132 KV Sultanpur- Milkipur	49.0	158	486	5.3	17	50	17	100%	16.04.13	20.04.13	Completed
34	132 KV Sultanpur -Darshan Nagar	59.0	191	585	5.5	17	50	17	100%	22.04.13	24.04.13	Completed
39	132 KV Noida Sec-20-Surajpur LILO at Sec-66	24.5	106	318	10	31	93	31	100%	25.09.12	30.09.12	Completed
										10.10.12	10.10.12	Completed
										30.10.12	30.10.12	Completed
40	132 KV Simbhaoli-Hapur line	23.916	91	273	24	73	219	73	100%	21.02.13	24.02.13	Completed
41	132 KV Muradnagar-Dasna Line	18.56	61	183	16	47	141	47	100%	26.02.13 02.03.14	28.02.13 03.03.14	Completed
42	132 KV Modipuram-Mawana	20.931	65	195	17.7	55	165	55	100%	23.01.13	25.01.13	Completed
43	132 KV Modi steel-Partapur	17.597	44	132	12	35	105	35	100%	17.01.13	19.01.13	Completed
44	132 KV Niwari Road-Muradnagar line	9.885	33	99	9	27	81	27	100%	20.01.13	20.01.13	Completed
45	132 KV Niwari Road-Pratapur	14.415	45	135	12	37	111	37	100%	20.09.12	25.09.12	Completed
46	132 KV Sector-20-Sector-66 Noida	60	180	540	40	116	348	116	100%	22.09.12	24.09.12	Completed
										24.10.12	24.10.12	Completed
										01.03.13	08.3.13	Completed
47	132 KV Sector-66-Surajpur	18.73	55	330	6	20	60	20	100%	25.09.12	30.09.12	Completed
48	132 KV Simbhaoli-Nagli Kithore	14.449	45	135	10.3	32	96	32	100%	11.01.13	12.01.13	Completed
49	132 KV Sardhana-Modipuram	12.264	40	120	9	30	90	30	100%	18.09.12	20.09.12	Completed

Sl.No.	Name of Line/voltage	Line details			Insulators to be replaced by			Progress		Schedule for		Remarks
		Length (Kms)	Total Towers location (Nos)	Total InsulatorS trings (Nos)	Length (Kms)	Total Towers Locations (Nos)	Total Insulators Strings (Nos)	Tower Loc. No.	%age of Tower Locations	Start date	End Date	
50	132 KV Modipuram-Kankarkhera	8.54	22	66	6.6	17	141	17	100%	15.09.12	16.09.12	Completed
51	132 KV Kankarkhera-Pratapur	13.186	44	132	9	30		30	100%	11.09.12	13.09.12	Completed
52	132 KV DC TRT-Sarojininagar	17.251	57	342	4.23	14	80	14	100%	09.10.13	09.10.13	Completed
										30.11.13	30.11.13	Completed
53	132 KV Amawan - Gauriganj line	45.93	154	504	10	35	50	18	100%	09.11.13	10.11.13	Completed
							50	17				Completed
54	132 KV Amawan - Jagdishpur line	36.63	116	396	5	17	50	17	100%	22.10.13	31.10.13	Completed
							5861	5861				
				Progress =				100%				

Uttar Pradesh Power Transmission Corporation Limited
Status of Cleaning of Porcelain Insulators (Manual Washing)

Name Of Transmission Utility: UPPTCL

As on- 01.12.2016

S.N.	Name of Line, Voltage	Line Details			Insulator to be cleaned			Progress		Schedule for/Completed	
		Length (Km)	Total Tower Locations (No)	Total Insulator Strings (No)	Length (Km)	Tower Locations (No)	Insulator Strings (No)	Tower Locations (No)	% of Tower Location (%)	Start Date	End Date
1	220KV Gorakhpur-Tanda Line	78.00	153	459	78.00	153	459	-	-	01.12.16	04.12.16
2	220KV Barahuwa -Motiram Adda - I	25.00	48	144	25.00	48	144	-	-	05.12.16	06.12.16
3	220KV Barahuwa -Motiram Adda - II	25.00	48	144	25.00	48	144	-	-	07.12.16	08.12.16
4	220KV Barahuwa -PGCL	9.78	35	105	9.78	35	105	-	-	09.12.16	09.12.16
5	220KV.Tanda - Basti	51.8	141	507	-	96	288	-	-	Jan.17	Jan. 17
6	220KV Basti - PGCIL	47.3	138	471	-	67	201	-	-	Jan.17	Jan.17
7	765 KV Anpara- Unnao line	406	984	3775	19877	40	240 Nos.	-	-	22.01.16	25.11.16
8	400 KV Rewa Road- Panki	179.125	568	1704	52	120	360 Nos.	-	-	01.12.16	03.12.16
9	220 KV Sultanpur- Pratapgarh	78.1	232	696	43.33	82	246 Nos.	-	-	05.12.16	12.12.16
10	400KV Anpara-Sarnath (L5)	158	445	1335	35.6	100	300	-	-	27.11.16	02.12.16
11	400KV Sarnath-Mau (L6)	103	285	855	35	100	300	-	-	27.11.16	02.12.16
12	132 KV S/C Amawan-Gauriganj Line	46.500	156	519	46.500	102	306	102	65%	13.11.16	15.11.16
13	132 KV S/C Korwa-Gauriganj Line	10.375	30	90	10.375	26	78	26	87%	16.11.16	16.11.16
14	132 KV S/C Sultanpur-Korwa Line	26.285	87	261	26.285	80	240	80	92%	17.11.16	18.11.16
15	132 KV S/C Sultanpur-Kadipur Line	33.710	100	300	33.710	255	255	85	85%	07.11.16	09.11.16
16	132 KV S/C Kadipur-Sahganj	37.370	114	342	37.370	98	294	98	86%	10.11.16	12.11.16
17	132 KV S/C Sultanpur-Jagdishpur	62.205	196	588	50.000	167	501	167	85%	09.08.16	11.08.16
18	132 KV S/C Jagdishpur-Amawan	36.630	120	360	22.800	76	228	76	63%	12.08.16	13.08.16
19	132 KV Gonda-Balrampur(S.C)	42.000	125	375	4.000	14	41	-	10%	April-2016	April-2016

20	132KV Balrampur-Utraula(S.C)	18.000	56	168	3.000	10	30	-	10%	April-2016	April-2016
21	132 KV Nagli Kithore - Mundali	22.108	76+12	411	22.108	39	117	...	...	02.12.2016	10.12.2016
22	220 KV Baghpat - Baghpat(400 PGCIL)	18.089	50	150	18.089	24	72	...	...	20.12.2016	30.12.2016
23	132 KV Baraut - Kirthal	23.029	75	225	23.029	36	108	...	...	20.12.2016	30.12.2016
24	220KV Gr. Noida-Noida Ckt. I	29.916	125	375	29.916	2	6	...	...	04.12.2016	04.12.2016
25	220KV Gr. Noida-Noida Ckt-II	29.916	125	375	29.916	3	9	...	...	05.12.2016	05.12.2016
26	220KV Gr. Noida-Noida-Sector-62 Type S/C	7.543	31	93	7.543	2	5	...	...	05.12.2016	05.12.2016
27	Sector-115 LILO line Ckt-I	3.27	14	42	3.27	7	21	...	...	06.12.2016	06.12.2016
28	Sector-115 LILO line Ckt-II	3.27	14	42	3.27	7	21	...	...	06.12.2016	06.12.2016
29	220KV Gr. Noida-Sector-129 Ckt-I	22.64	23	69	22.64	2	12	...	...	13.12.2016	13.12.2016
30	220KV Gr. Noida-Sector-129 Ckt-II	22.64	23	69	22.64	2	12	...	...	14.12.2016	14.12.2016
31	132KV Sector-129-Sector-45 (LILO)	8	2	6	8	2	6	...	...	13.12.2016	13.12.2016
32	132KV Sector-129-Bhangel (LILO)	8	2	6	8	2	6	...	...	14.12.2016	14.12.2016
33	132KV Sector-129-Bhangel (upto LILO point)	5	14	84	5	1	6	...	...	15.12.2016	15.12.2016

DELHI TRANSCO LTD

Sub:- Date wise progress of cleaning of porcelein disc insulator strings of 220 KV Lines of DTL

SL. No.	Date	Name of 220 kv Ckt	Qty. Per Ckt / Per Tower cleaned	Total Nos of strings cleaned	Remarks
1	29.11.2016	Bamnauli- Najafgarh Ckt-I	24	72	100 % Completed
2	29.11.2016	Patparganj- Geeta Colony Ckt-I	6	18	100 % Completed , Ckt-II not completed due to Shut-down not provided by S/O timely
3	30.11.2016	Bamnauli- Najafgarh Ckt-II	24	72	100 % Completed
4	01.12.2016	Bamnauli- DIAL Ckt-I	20	60	100 % Completed
5	02.12.2016	Bamnauli- DIAL Ckt-II	20	60	100 % Completed
6	02.12.2016	BTPS- Okhla Ckt-II	7	21	100 % Completed
7	03.12.2016	Bawana- Knjhawala Ckt- I	27	81	08 nos qty. balanced
8	04.12.2016	Bawana- Knjhawala Ckt- II	35	105	100 % Completed
9	04.12.2016	T-Off of BTPS- Mehrauli Ckt-II at Okhla S/stn	12	36	100 % Completed
10	05.12.2016	Bamnauli- PPK-I Ckt-I	12	36	100 % Completed
11	05.12.2016	Mandola - Wazirabad Ckt-I	40	120	100 % Completed
12	06.12.2016	Bamnauli- PPK-I Ckt-II	12	36	100 % Completed
13	07.12.2016	Mandola - Wazirabad Ckt-III	40	120	100 % Completed
14	07.12.2016	Bamnauli- PPK-II Ckt-I	20	60	100 % Completed. 02 nos not completed due to not approachable (T. No-26 around the water one in forest area)
15	08.12 & 11.12.2016	DSIIDC Bawana- Narela Ckt I &II	70	210	100 % Completed
16	08.12.2016	Bamnauli- PPK-II Ckt-II	20	60	100 % Completed. 02 nos not completed due to not approachable (T. No-26 around the water one in forest area) as per information of site incharge
17	09.12.2016	Mehrauli- DIAL Ckt-I	16	48	100 % Completed , Tower No.- 91 not approachable as per information of site incharge
18	09.12. &10.12.2016	Najafgarh- Kanjhawala	44	132	100 % Completed
19	10.12.2016	Mehrauli- DIAL Ckt-II	17	51	100 % Completed
20	09.12&10.12. 2016	Mundka - Kanjhawala	40	120	100 % Completed
21	11.12.2016	Gopalpur- SOW Ckt I&II	18	54	100 % Completed
22	11.12.2016	Najafgarh- Mundka	7	21	100 % Completed
23	12.12.16	Shalimarbagh- Rohni ckt I & II	14+18	96	100 % Completed Including I-String
24	13.12 &14.12.2016	Mandola- Gopalpur Ckt-I	64		100 % Completed
25	15.12.16	BTPS - Mehrauli Ckt-I	39		In progres
26	15.12.16	Bawana- DSIIDC Bawana Ckt-I	15		in progress

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DELHI TRANSCO LIMITED**ANNEXURE -I****STATUS OF REPLACEMENT OF PORCELAIN INSULATORS WITH POLYMER INSULATORS****AS ON 30.09.2016**

S.No.	NAME OF LINE	VOLATGE LEVEL	SINGLE / DOUBLE CIRCUIT	LINE DETAILS			INSULATORS TO BE REPLACED WITH POLYMER (TARGET FOR THIS YEAR)			PROGRESS WORK ALREADY COMPLETED			SCHEDULE FOR COMPLETION OF REPLACEMENT		REMARKS
				TOTAL LENGTH OF LINE (IN KM)	TOTAL TOWER LOCATIONS (Nos.)	TOTAL INSULAT OR STRINGS (Nos.)	TOTAL LENGTH OF LINE (IN KM)	TOTAL TOWER LOCATIONS (Nos.)	TOTAL INSULAT OR STRINGS (Nos.)	TOTAL LENGTH OF LINE (IN KM)	TOTAL TOWER LOCATIONS (Nos.)	TOTAL INSULAT OR STRINGS (Nos.)	START DATE	END DATE	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Bamnauli-NJF. CKT- I&II	220 KV	DOUBLE	8.118	29	262	NIL	NIL	NIL	NIL	NIL	NIL	March 2017	November 2017	ICB TENDER IN TENDERING STAGE
2	BML-PPK-I CKT-I&II	220 KV	DOUBLE	8.3	51	648									
3	BML-PPK-II CKT-I&II	220 KV	DOUBLE	10.346	62	786									
4	NJF-Kanjhawala CKT I&II	220 KV	SINGLE	15.391	59	462									
5A	Kanjhawala-Mundka	220 KV	SINGLE	15.391	59	384									
5B	Mundka-Najafgarh			15.391	59										
6	Mandola Wazirabad CKT- I&II	220 KV	DOUBLE	14.53	56	531									
7	Mandola Wazirabad CKT- III&IV	220 KV	DOUBLE	14.53	56	522									
8	Mandola Gopalpur ckt-I&II	220 KV	DOUBLE	22.621	82	726									
9	BTPS-Okhla Ckt-I&II	220 KV	DOUBLE	5.85	36	567									
10	BTPS-Sarita Vihar ckt-I&I	220 KV	DOUBLE	2.8	15	210									
11	Maharani Bagh Lodhi Road ckt-I&II	220 KV	DOUBLE	4.25	30	572									
12	Mandola Narela CKT-I&II	220 KV	DOUBLE	20.601	73	612									
13	Bawana-DSIDC ckt-I&II	220 KV	DOUBLE	5.6	34	489									
14	Bawan Shalimar Bagh ckt I&II	220 KV	DOUBLE	10.752	55	549									
15	Bawana Rohini CKT-I&II	220 KV	DOUBLE	10.05	54	525									
16	Bawana Kanjhawala ckt- I&II (Add request by (O&M Deptt.)	220 KV	DOUBLE	11.737	48	354									
17	Bawana-Rohini-II (project requirement)	220 KV	DOUBLE	4.6	54	384									
18	Bamnaulli-Naraina Ckt I & II	220 KV	DOUBLE	16.8	98	1344	16.8	98	1344						

DELHI TRANSCO LIMITED**ANNEXURE -I****STATUS OF ALREADY REPLACED PORCELAIN INSULATORS WITH POLYMER INSULATORS IN DTL NETWORK****AS ON__ 30.09.2016**

S.No.	NAME OF LINE	VOLATGE LEVEL	SINGLE / DOUBLE CIRCUIT	LINE DETAILS			INSULATORS TO BE REPLACED WITH POLYMER (TARGET FOR THIS YEAR)			PROGRESS WORK ALREADY COMPLETED			SCHEDULE FOR COMPLETION OF REPLACEMENT		REMARKS
				TOTAL LENGTH OF LINE (IN KM)	TOTAL TOWER LOCATIONS (Nos.)	TOTAL INSULATORS OR STRINGS (Nos.)	TOTAL LENGTH OF LINE (IN KM)	TOTAL TOWER LOCATIONS (Nos.)	TOTAL INSULATORS OR STRINGS (Nos.)	TOTAL LENGTH OF LINE (IN KM)	TOTAL TOWER LOCATIONS (Nos.)	TOTAL INSULATORS OR STRINGS (Nos.)	START DATE	END DATE	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	South of Wazirabad - Geeta Colony Circuit 1 & 2	220kv	Double	6.278	20	255	---	---	---	6.278	20	255			Line Augmented from ACSR Zebra to HTLS and Insulators replaced with Polymer Insulators
2	Pragati - Sarita Vihar circuit 1 &2	220kv	Double	12.12	45	553	---	---	---	12.12	45	553			

DELHI TRANSCO LIMITED

ANNEXURE - II

**SUMMARY OF REPLACEMENT OF PORCELAIN INSULATORS BY POLYMER / ANTIFOG INSULATORS UPDATED TILL
DATE AS AVAILABLE**

	SATGE -I (LINES IDENTIFIED AFTER GRID INCEDENCE ON 8th MARCH 2008)		SATGE -II (LINES IDENTIFIED AFTER GRID INCEDENCE ON 2nd JANUARY 2010)		SATGE -III (IDENTIFIED CRITICAL LINES ON THEIR OWN)		SATGE -IV (IDENTIFIED CRITICAL LINES ON THEIR OWN)		OVERALL PROGRESS
UTILITY	LINES IDENTIFIED (NOS.)	PROGRESS OF REPLACEMENT OF INSULATOR STRING (%)	LINES IDENTIFIED (NOS.)	PROGRESS OF REPLACEMEN T OF INSULATOR STRING (%)	LINES IDENTIFIE D (NOS.)	PROGRESS OF REPLACEMENT OF INSULATOR STRING (%)	LINES IDENTIFIE D (NOS.)	PROGRESS OF REPLACEMENT OF INSULATOR STRING (%)	
DTL	6	100	18	5.56					

DELHI TRANSCO LIMITED

ANNEXURE - III

ACTION PLAN FOR COMPLETION OF REMAINING WORK BEFORE ENSUING WINTER SEASON (15.12.2016)

SR. NO.	NAME OF CIRCUIT	NO. OF PORCELAIN INSULATOR STRINGS TO BE REPLACED WITH POLYMER INSULATORS BEFORE ENSUING WINTER (i.e. BEFORE 15.12.2016)	LENGTH (KMs)	POLYMER STRINGS REQUIRED	NO. OF DAYS OF OUTGAE REQUIRED	LIKELY DATE OF COMPLETION OF WORK
1	NIL	NIL	N/A	N/A	N/A	N/A

MATERIAL AVAILABILITY

1	Number of polymer insulator strings in stock	NIL
2	Number of insulator strings ordered and likely to be available before onset of winter.	NIL

DELHI TRANSCO LIMITED**ANNEXURE - IV****ACTION PLAN FOR INSULATOR CLEANING BEFORE ENSUING WINTER SEASON (i.e. BEFORE 15.12.2016)**

S.No.	Name of Circuit	NO. Of Porcelain Insulators strings to be cleaned before ensuing winter (i.e. Before 15.12.2016)	Length to be cleaned	Weather to be done departmentally or contract basis	If to be done through Contract, Status of Awarding Contract	No. Of days of Outgae required	Likely date of completion of work
1	220 kv Najafgarh-Kanjhawala	117	NA	ON CONTRACT BASIS	Contract Awarded Work Started w.e.f. 29.11.2016	30DAYS	28 Dec. 2016
2	220kV Kanjhawala - BWN II)	96	NA				
3	220kV Bamnauli - Najafgarh-I	66	NA				
4	220kV Bamnauli -DIAL-I	63	NA				
5	220 kv Bamnauli -DIAL-II	69	NA				
6	220kV Mandaula - S.O.Wazirabad-I	120	NA				
7	220kV Mandaula - S.O.Wazirabad-III	120	NA				
8	220kV Mandaula - S.O.Wazirabad -IV	120	NA				
9	220kV BTPS - Mehrauli-I	117	NA				
10	220kV BTPS - Mehrauli-II	117	NA				
11	220Kv PRAGATI-SARITA VIHAR	54	NA				
12	220 Kv Mehrauli -DIAL-I	51	NA				
13	220kV Mehrauli -DIAL-II	51	NA				
14	220kV Geeta Colony –PPG Ckt -I	21	NA				
15	220kV Geeta Colony –PPG Ckt-II	57	NA				
16	220kV Sarita vihar - M.bagh	57	NA				
17	220kV M.bagh -Pragati Ckt		NA				

18	220kV S.O.W –Geeta Colony Ckt-I	30	NA	ON CONTRACT BASIS	Contract Awarded Work Started w.e.f. 29.11.2016	30 DAYS	28 Dec. 2016
19	220kV S.O.W –Geeta Colony Ckt-II	30	NA				
20	220kV PPG –IP Station Ckt- I	15	NA				
21	220kV PPG –IP Station Ckt-II	15	NA				
22	220kV S.O.W K-Gate Ckt I	60	NA				
23	220kV S.O.W K-Gate Ckt II	60	NA				
24	220kV Bawana –Rohni Ckt –I	102	NA				
25	220kV Bawana –Shalimarbagh Ckt –II	84	NA				
26	220kV Bawana- DSIIDC Ckt-I	24	NA				
27	220kV Bawana- DSIIDC Ckt-II	24	NA				
28	220kV Bawana –Rohni Ckt –II	102	NA				
29	220kV BTPS-Okhla Ckt –I	60	NA				
30	220kV BTPS-Okhla Ckt –II	60	NA				
31	220kV Bawana –Shalimarbagh Ckt –I	84	NA				
32	220kv Bawana- Najafgarh	192	NA				
33	220kV Bamnauli -Najafgarh Ckt-II	69	NA				
34	220kV Shalimarbagh - Rohini Ckt-I	72	NA				
35	220kV Okhla S/S to Mehrauli Rd (Idle) Ckt-I	27	NA				
36	220kV Okhla S/S to Mehrauli Road (Idle) ckt-II	27	NA				
37	220Kv Bamnauli - Papankalan -I Ckt-I	75	NA				
38	220kV Bamnauli-Papankalan-II Ckt-I	60	NA				

39	220 kV Bamnauli-Papankalan-II Ckt-II	60	NA	ON CONTRACT BASIS	Contract Awarded Work Started w.e.f. 29.11.2016	30 DAYS	28 Dec. 2016
40	220kV Bamnauli - Naraina Ckt-I	57	NA				
41	220kV Bamnauli - Naraina Ckt-II	57	NA				
42	220 kV Mehrauli - V. Kunj Ckt-I	45	NA				
43	220 kV Mehrauli - V. Kunj Ckt-II	45	NA				
44	220 kV M.Bagh- Lodhi Road Ckt-I	60	NA				
45	220kV M. Bagh- Lodhi Road Ckt-II	60	NA				
46	220 KVGopalpur - Sabzi Mandi Ckt-I	102	NA				
47	220 KvMandaula-Gopalpur Ckt-II	174	NA				
48	220 KV Mandola - Narela Ckt-I	165	NA				
49	220kV Shalimarbagh - Rohini Ckt-II	24	NA				
50	220 kV SOW-Mandola ckt-II	120	NA				
51	220 kV IP Stn. - RPH Ckt-I	30	NA				
52	220kV BTPS-Sarita Vihar Ckt-I	3	NA				
53	220kV BTPS-Sarita Vihar Ckt-I	3	NA				
54	220KV DSIDC Bawana-Narela Ckt-I	81	NA				
55	220 kV DSIDC Bawana-Narela Ckt-II	81	NA				
56	220 KV Mandola - Narela Ckt-II	165	NA				
57	220kV IP Stn. - RPH Ckt-II	30	NA				
58	220 kV IP Stn. - Pragati Ckt-I	27	NA				
59	220 kV IP Stn. - Pragati Ckt-II	27	NA				

60	220 kV S.O.Wazirabad - Gopalpur Ckt-I	21	NA	ON CONTRACT BASIS	Contract Awarded Work Started w.e.f. 29.11.2016	30 DAYS	28 Dec. 2016
61	220kV S.O.Wazirabad - Gopalpur ckt-II	21	NA				
62	220kV Gopalpur - Sabzi Mandi Ckt-II	102	NA				
63	220kV Mandaula-Gopalpur Ckt-I	174	NA				
64	220 KV Bamnauli - Papankalan -I Ckt-II	75	NA				

Status of Cleaning of Disc Insulator under TS Zone HVPNL, Panchkula

Superintending Engineer/TS HVPNL, Karnal

Sr. No.	Name of line, Voltage, S/C or D/C	Voltage level in KV	Line detail (suspension type)			Insulator to be cleaned			Progress (work already completed)			Schedule for completion of cleaning		Remarks
			Total Length of line in KM	Total Tower location (Nos.)	Total insulator strings (Nos.)	Length to be cleaned (KM)	Total tower location	Total Insulator strings requiring cleaning. (Nos.)	Total Length of line in KM	Total Tower location (Nos.)	Total insulator strings (Nos.)	Start Date	End Date	
1	2		3	4	5	6	7	8		9		11	12	13
1	220KV Pehowa - Dhurala Ckt No-II.	220	25.6	68	204	20	54	162	20	54	162	9.11.2016	26.11.2016	Work of disc cleaning completed
2	220KV Dhurala- cheeka Ckt-I.	220	49.88	125	375	30	80	240	30	80	240	08.10.2016	15.10.2016	Work of disc cleaning completed
3	220KV Dhurala - cheeka Ckt-II.	220	49.88	125	375	30	80	240	30	80	240	14.10.2016	26.10.2016	Work of disc cleaning completed
4	220KV Pehowa - Dhurala Ckt No-I.	220	25.6	68	204	20	54	162	13	33	99	12.11.2016	15.11.2016	Work under progress
5	220KV Pehowa - Dhurala Ckt No-11.	220	25.6	68	204	20	54	162	13	33	99	9.11.2016	15.11.2016	Work under progress
6	220KV Pehowa - kaul Ckt No-1.	220	13.6	32	96	8	16	48	8	16	48	28.10.2016	17.11.2016	Work of disc cleaning completed
7	132KV BBMB-KKR-Bhore line at 132KV S/Stn. Pipli.	132	20	50	150	15	33	99	12	33	99	05.11.2016	21.11.2016	Work of disc cleaning completed
8	66KV Shahabad-Pipli line.	66	20	110	330	15	75	225	15	75	225	05.11.2016	26.11.2016	Work of disc cleaning completed
9	220 kv Nissing-Salempur D/C line	220	42.17	106	636	14	41	246	2	4	24	26.10.16	15.12.16	Work in progress
10	220 KV S/C Karnal-Unispur line	220	13	42	126	13	42	126	13	42	126	02.11.16	6.11.16	Work of disc cleaning completed
11	132 KV S/C Unispur-Nilokheri Line	132	6.753	22	66	4.6	12	36	4.6	12	36	3.11.16	24.11.16	Work of disc cleaning completed
12	132 KV S/C Unispur-Amin Line	132	7.215	27	81	5.6	17	51	5.6	17	51	22.10.16	24.11.16	Work of disc cleaning completed
13	132 KV S/C Unispur-Indri Line	132	12.52	73	21	10.3	51	153	1.6	3	9	9.11.16	20.12.16	Work could not be completed due to non
14	132KV KNL-NLK line	132	16.2	44	132	2	6	18	2	6	18	25.11.16	25.11.16	Work completed
15	132KV Safidon-Assandh line	132	15	52	156	4.8	16	48	3.6	12	36	19.11.16	29.11.16	Work under progress
16	132KV Nissing-Jalmana line	132	13.65	50	150	3.3	12	36	3.3	12	36	23.11.16	25.11.16	Work completed
17	132KV Nissing-Jundla line	132	11	28	84	4	11	33	3	8	24	19.11.16	3.12.16	Work under progress
18	220 kv PGCIL –Cheeka D/C line	220	23.88	60	360	23.88	60	360	10	28	168	15.11.16	26.11.16	Work under progress

Sr. No.	Name of line, Voltage, S/C or D/C	Voltage level in KV	Line detail (suspension type)			Insulator to be cleaned			Progress (work already completed)			Schedule for completion of cleaning		Remarks
			Total Length of line in KM	Total Tower location (Nos.)	Total insulator strings (Nos.)	Length to be cleaned (KM)	Total tower location	Total Insulator strings requiring cleaning. (Nos.)	Total Length of line in KM	Total Tower location (Nos.)	Total insulator strings (Nos.)	Start Date	End Date	
1	2		3	4	5	6	7	8		9		11	12	13
19	220 kV PGCIL –Kaithal Ckt-1	220	16	38	114	16	38	114	16	38	114	25.11.16	27.11.16	Work of disc cleaning completed
20	220 KV PGCIL Kaithal Ckt-2	220	16	38	114	16	38	114	16	38	114	22.11.16	24.11.16	Work of disc cleaning completed
21	220 kV D/C Narwana-Batta Ckt-II	220	24	67	201	4	12	36	24	4	12	16.11.16	16.11.16	work under progress
22	132KV Rasina-Habri S/C line	132	9.8	39	165	1.66	5	15	1.66	5	15	21-11-16	21-11-16	Work of disc cleaning completed
23	132KV Pundri-Pai S/C line	132	10.36	39	156	5	15	45	5	15	45	22-11-16	25-11-16	Work of disc cleaning completed

Superintending Engineer/TS HVPNL, Panchkula

1	220 kV DCRTTPP-Salempur line D/C	220	39.8	137	1167	39.8	91	546	33.3	85	510	05.10.16	31.12.16	Balance work will be completed subject to availability of shutdown
2	220 KV D/C Tepla-Abdullapur line	220	29.87	99	399	12	26	180	8	8	48	01.11.16	31.12.16	Cleaning not completed due to shut down not allowed by SLDC Panipat
3	220 KV D/C Tepla-Shahabad Line	220	26.4	89	678	26.4	22	270	26.4	22	270	15.10.16	30.11.16	cleaning completed
4	220 KV Jorian Shahabad Ckt-1 Line	220	37	120	447	37	60	180	17	46	138	21.10.16	31.12.16	Cleaning not completed due to shut down not allowed by SLDC Panipat
5	220 KV Jorian Shahabad Ckt-2 Line	220	37	120	447	37	60	180	21	56	168	25.10.16	31.12.16	Cleaning not completed due to shut down not allowed by SLDC Panipat
6	220kV D/C DCRTTPP-Jorian Line	220	10.9	16	96	10.9	16	96	10.9	16	96	03.10.16	30.11.16	cleaning completed

Sr. No.	Name of line, Voltage, S/C or D/C	Voltage level in KV	Line detail (suspension type)			Insulator to be cleaned			Progress (work already completed)			Schedule for completion of cleaning		Remarks
			Total Length of line in KM	Total Tower location (Nos.)	Total insulator strings (Nos.)	Length to be cleaned (KM)	Total tower location	Total Insulator strings requiring cleaning. (Nos.)	Total Length of line in KM	Total Tower location (Nos.)	Total insulator strings (Nos.)	Start Date	End Date	
1	2		3	4	5	6	7	8		9		11	12	13
Superintending Engineer/TS HVPNL, Rohtak														
1	132 KV -Nuna Majra-Badhana S/C	132 KV	24.3	63	189	24.3	63	189	24.3	63	189	10.11.16	30.11.16	
2	132 KV Rohtak-IMT line	132 KV	14.14	61	183	14.14	61	183	14.14	61	183	09.11.16	22.11.16	
3	220 KV Kabulpur-Sampla Line S/C	220 KV	56	202	780	33	108	417	33	108	417	03.11.16	11.11.16	
4	220 KV PTPS-ROHTAK CKT-1	220 KV	63.107	215	756	63.107	180	540	15	40	120	17.11.16	30.12.2016	
5	220 KV PTPS-ROHTAK CKT-2	220 KV	63.107	215	756	63.107	180	540	15	40	120	17.11.16	30.12.2016	
6	132 KV Narela -Ausodha ckt.	132KV	33.5	96	288	33.5	96	288	-	-	-	10.12.16	30.12.2016	
7	132 KV Bahadurgarh-Ausodha S/C	132 KV	11.2	13	39	11.2	13	39	-	-	-	10.12.16	30.12.2016	
8	132 KV Badhana-Jhajjar S/C	132 KV	6.8	14	42	6.8	14	42	-	-	-	10.12.16	30.12.2016	
9	132 KV Rohtak-Rohtak ckt-1 Line	132 KV	2.725	13	51	2.725	9	27	-	-	-	10.12.16	30.12.2016	
10	132 KV Rohtak-Rohtak ckt-2 Line	132 KV	2.725	13	51	2.725	9	27	-	-	-	10.12.16	30.12.2016	
11	132 KVRohtak-HSIIDC Rohtak Line	132 KV	5.628	28	117	5.628	17	51	5.628	17	51	25.11.2016	31.11.2016	
12	132 KV IMT- MDU Line	132 KV	6.694	27	120	6.694	14	42	-	-	-	10.12.16	30.12.2016	
13	132 KV Sec.3-Kharkhoda S/C Line	132 KV	27	101	360	27	82	246	-	-	-	10.12.16	30.12.2016	
14	132 KV RTK-Sec.3 Line	132 KV	7	25	108	7	14	42	-	-	-	10.12.16	30.12.2016	
15	132 KV MDU-Sampla Ckt-1 Line	132 KV	19.01	64	255	19.01	43	129	-	-	-	10.12.16	30.12.2016	
16	132 KV MDU-Sampla Ckt-2 Line	132 KV	19.01	64	255	19.01	43	129	-	-	-	10.12.16	30.12.2016	
17	132 KV Jassia-Gohana line	132 KV	13.05	54	189	13.05	45	135	-	-	-	10.12.16	30.12.2016	
18	132 KV Rohtak-Meham line	132 KV	29.09	104	330	29.09	82	246	-	-	-	10.12.16	30.12.2016	
19	132 KV Rohtak-Jassia line	132 KV	14.5	68	189	14.5	43	129	-	-	-	10.12.16	30.12.2016	
20	220KV Nuna-Majra-PGCIL Ckt.I	220 KV	2.9	6	18	2.9	6	18	2.9	6	18	06.12.2016	06.12.2016	

Sr. No.	Name of line, Voltage, S/C or D/C	Voltage level in KV	Line detail (suspension type)			Insulator to be cleaned			Progress (work already completed)			Schedule for completion of cleaning		Remarks
			Total Length of line in KM	Total Tower location (Nos.)	Total insulator strings (Nos.)	Length to be cleaned (KM)	Total tower location	Total Insulator strings requiring cleaning. (Nos.)	Total Length of line in KM	Total Tower location (Nos.)	Total insulator strings (Nos.)	Start Date	End Date	
1	2		3	4	5	6	7	8		9		11	12	13
21	220KV Nuna-Majra-PGCIL Ckt.II	220 KV	2.9	6	18	2.9	6	18	-	-	-	10.12.16	30.12.2016	
22	132 KV Nuna Majra-Bahadurgarh S/C	132 KV	4.5	8	24	4.5	8	24	-	-	-	10.12.16	30.12.2016	
23	132KV S/C Sewah-PNP Ckt-I	132	8	42	183	6.5	23	69	6.5	2,6,7,12,14,16-22,26-29,33-38,40=23 no.	69	22.11.16	23.11.16	100% complete
24	132KV S/C PTPS-PNP line	132	17	80	366	11	38	114	11	2,4-7,9-13,17-20,24-28,31-40, 45, 46,50,53,54,56,65-67= 38no.	114	14.10.16	14.11.16	100% complete
25	132Kv S/C Sewah-Chandoli	132	13	51	207	9.6	33	99	0	-	-	S/Down not allowed		6-15,18-20,22-27,29-32,35-38,42-47= 33no.
26	220KV D/C Jajji-Moh. Ckt-I	220	1.79	10	51	1	3	9	0	-	-	-	15.12.16	4,6,7 = 3 no.
27	220KV D/C Jajji-Moh. Ckt-II	220	1.79	10	51	1	3	9	0	4,6,7 = 3 no.	9	05.12.16	05.12.16	100% complete
28	132KV D/C PNP-NFL-I	132	2.6	17	84	1.5	6	18	1.5	3,6,7,12,13,16 = 6 no.	18	14.10.16	14.10.16	100% complete
29	132KV D/C PNP-NFL-II	132	2.6	17	84	1.5	6	18	1.5	3,6,7,12,13,16 = 6 no.	18	24.11.16	24.11.16	100% complete
30	132KV S/C Sewah-Naultha line	132	11	49	240	5	18	54	5	7,9,10,24-29,31-38,40 = 18 no.	54	18.10.16	19.10.16	100% complete
31	132KV S/C Naultha-Israna	132	7.5	28	111	5.5	19	57	5.5	1-6,8-13,16-20,27,28 = 19 no.	57	14.10.16	14.11.16	100% complete
32	132KV D/C PTPS-Chandoli Ckt.-I	132	15	64	288	15.5	32	96	15.5	9,12,14,16,18,23-26,30,32-36,38,42-44,50,51,53-56,58-63,67=32 no.	96	14.10.16	14.11.16	100% complete
33	132KV D/C PTPS-Kabri	132	8	50	222	6	26	78	6	9-12,14,16-18,23-26,30,32-36, 39, 40=20 no.	60	14.10.16	14.11.16	100% complete
34	132 KV D/C Chandoli-Kabri	132	9	39	186	7	16	48	0	-	-	S/Down not allowed		3,7-12,15,17,19,20, 26-28,30,31=16 no.
35	132KV S/C Chandoli-Chajipur	132	8	37	159	6	21	63	0	-	-	S/Down not allowed		3,5,6,7-9,11-16,18-23, 30-32 = 21 no.
36	132KV S/C Gharunda-Chandoli	132	13	48	228	6	20	60	6	8-13,18-22,30-35,42-44 = 20 no.	60	15.11.16	07.12.16	100% complete
37	132KV S/C PTPS-MLD	132	11	68	336	7	24	72	7	14-16,25,27-30,33,39,42-46,48-50, 54,57,59,60,62,63=24 no.	72	14.10.16	05.12.16	100% complete
38	132KV S/C MLD-SFD line	132	16	65	255	12.5	45	135	12.5	4-15,17-30,35-42,44-48, 51, 54, 56, 57,59,60=45 no.	135	21.10.16	7.12.16	100% complete
39	132KV S/C Sewah-Sect-29 line	132	4.5	11	60	0.5	2	6	0.5	8,25 = 2 no.	6	14.10.16	14.11.16	100% complete

Sr. No.	Name of line, Voltage, S/C or D/C	Voltage level in KV	Line detail (suspension type)			Insulator to be cleaned			Progress (work already completed)			Schedule for completion of cleaning		Remarks
			Total Length of line in KM	Total Tower location (Nos.)	Total insulator strings (Nos.)	Length to be cleaned (KM)	Total tower location	Total Insulator strings requiring cleaning. (Nos.)	Total Length of line in KM	Total Tower location (Nos.)	Total insulator strings (Nos.)	Start Date	End Date	
1	2		3	4	5	6	7	8		9		11	12	13
40	132KV S/C SMK-Sect-29 line	132	15.5	72	303	8	43	129	8	4,7,9,10,14,15,16,17,18,19,20,21, 23,24,25,26,27,28,29,30,32,33,34, 36,37,38,39,40,41,42,43,45,46,47, 48,49,50,51,52,53,55,57,71=43no.	129	14.10.16	14.11.16	100% complete
41	132KV S/C Sewah-GNR	132	30	107	375	24	89	267	9	11,12,13,26,27,28,29,30,31,35,36,37 ,48,49,50,58,59,60,61,71,72,73,74,7 7,78,79,101,102,103= 29 no.	87	15.11.16	07.12.16	
42	132 KV S/C Gannaur-Murthal line	132	17	51	165	15	47	141	5	127,128,129,135-137,140, 147, 148, 150-152,154-156= 15 no.	45	15.11.16	07.12.16	
43	132 KV S/C Murthal-Sonepat line	132	8	29	114	6	20	60	3.5	163,166,167,170-172,176-178, 180-182= 12 no.	36	15.11.16	07.12.16	
44	132KV S/C Snp-Harsana	132	8	26	99	6	19	57	3	5, 6, 7, 14, 15, 16, 19, 20, 21, 22, 23 =11no.	33	15.11.16	07.12.16	
45	132KV S/C Harsana-Kkd	132	9	34	123	7	27	81	4.5	28,29,30,32,33,34,36,37,38,41,42, 43,50-53= 16 no.	48	15.11.16	07.12.16	
46	132KV S/C Sonipay-Rai-Narela	132	12	104	459	7	55	165	5.5	5-8,10-14,18-26,31,41-48,54-58= 32 no.	96	14.10.16	07.12.16	
47	132kv S/C Sonipat-Fazilpur ckt 1&2	132	0.5	3	36	0.5	6 (dead end)	36	0.5	1,2,3 = 3 no.	36	14.10.16	14.11.16	

Detail of line having Conventional insulators														
S.No.	Name of Line/voltage/ S/C or D/C	Voltage Level (in kV)	Line details			Insulators to be replaced by Polymer/antifog or to be cleaned (Target for this year)			Progress (Work already completed)			Schedule for completion of Replacement		Remarks (If only partial location of the line has planned then may please indicate the location numbers or part kMs of line which have been planned)
			Total Length of line (in kM)	Total Towers location (Nos)	Total Insulators Strings (Nos)	Length (kM)	Total Towers Locations (Nos)	Total Insulators Strings (Nos)	Length (in kM)	Total Towers Locations (Nos)	Total Insulators Strings (Nos)	Start Date	End Date	
1	2		3	4	5	6	7	8		9		11	12	13
Gurgaon Circle														
1	220 KV Rewari- PGCIL Bhiwadi D/C line	220 kV	23.76	42	270									
2	220kV Mau - PGCIL Bhiwadi line	220 kV	14.07	56	211									
3	220 KV Mau-PGCIL Panchgoan D/C line	220 kV	17.00	69	552									
4	220 KV Mau-HSIIDC Bawal line	220 kV	24.70	83	93									
5	220kV HSIIDC Bawal-PGCIL Bhiwadi Line	220 kV	25.69	99	144									
Hisar Circle														
1	220KV PGCIL Matana-Sirsa S/C line	220KV	50KM	143	6969	—	—	—	—	—	—	—	—	
2	220KV Fatehabad -Rania S/C line	220KV	61KM	187	9486	—	—	—	—	—	—	—	—	
3	220 KV D/C Prem Nagar-Bapora line	220 KV	6.8	25	198	—	—	—	—	—	—	0.11.201	03.12.2016	Work completed
4	220 KV D/C Mayyar-Sagwan line	220 KV	31	101	774	6	20	120	—	—	—	—	27 to 30.12.2016	
5	220 KV D/C Sagwan- Isharwal line	220 KV	47	156	1146	3	11	66	—	—	—	—	23 to 26.12.2016	
6	220 kV D/C Narwana-Mund Line	220 kV	39.66	145	870									LILO portion of line is having Polymer insulators from T/L No. 1 to 9 i.e. on 9 towers
7	220 kV D/C Mund-Safidon Line	220 kV	22.75	82	492									LILO portion of line is having Polymer insulators from T/L No. 71 to 82 i.e. on 12 towers
8	220 kV D/C Jind-Kirori line	220 kV	61	201	1554									LILO portion of line is having Polymer insulators from T/L No. 110 to 201 i.e. on 92 towers
9	220KV IA Hisar - BBMB Hisar ckt -I	220	3.70	15	63	1.7	7	42	Nil	Nil	Nil	Nil	31.12.2016	Planned for TL no. 1,2,3,4,5,6,15
10	220KV IA Hisar - BBMB Hisar ckt -II	220	3.20	14	51	1.5	7	36	Nil	Nil	Nil	Nil	31.12.2016	Planned for TL no. 1,2,3,4,5,6,15
11	220KV IA Hisar - Narwana ckt	220	59.00	174	594	2.7	9	36	Nil	Nil	Nil	Nil	31.12.2016	Planned for TL no. 1,2,3,4,61,171,172,173 & 174
12	220KV Bhuna - Matana line	220	24.00	91	321	2.9	11	33	2.9	11	33	7.10.201	18.10.2016	6,7,10,25,29,34,45,50,55,60& 61 Total=11no. (Completed)
13	220KV Bhuna - Narwana line	220	43.00	145	558	2.5	8	24	2.5	8	24	4.11.201	05.11.2016	10,24,34 , 47,55,67,87 & 122. Total =8 no.COMPLETED
Faridabad Circle														

NIL

INSULATOR WASHING STATUS(NR-II)

S. No.	Name of Line	Locations Identified	Planned Schedule	Remarks
1	765KV S/C Moga-Bhiwani Line	48 No. Locations having Glass Insulators(V String) from 380 to 427.	01.12.2016- 02.12.2016	Work Completed.
2	800KV Kishenpur-Moga-1 & 2	07 no. locations(5 T & 2 Suspension) having Porcelian Insulators	09.12.2016- 10.12.2016	Work Completed.