

Instructions:

1. Shunt capacitors installed at 132kV or below may be lumped at the nearest/appropriate 132kV node
2. In case 132kV node is not available then the shunt capacitor may be lumped at nearest/appropriate 220kV node
3. Load category-A :Urban/Commercial/Industrial
Load category-B: Rural/Agriculture load

Uttar Pradesh

Bus Number	Bus Name	Base kV	Shunt capacitor installed at 132kV or below (MVar)	Type of load (A/B) Refer instruction above
17158	AGRA1	132		
17106	AGRACANT	132		
17108	AGRAFN	132		
17105	AGRAN1	132		
17131	AGRATAJ	132		
17168	AKBARPUR	132		
17700	AKBCHIN	132		
17173	ALAHBAD1	132		
17188	ALIGARH2	132		
17301	ALIGARH3	132		
17306	AMRAPUR	132		
17302	AMROHA	132		
17303	ANANDNAG	132		
17237	ANPARA1	132		
17304	AONLA	132		
17103	ATRAULI1	132		
17718	AUGASSI	132		
17307	AURAI	132		
17308	AZADNGR	132		
17150	AZAMGAR1	132		
17309	AZAMGH13	132		
17310	B.BNGR	132		
17311	BABRALA	132		
17561	BABUGARH	132		
17312	BACHRANW	132		
17179	BADAUN1	132		
17323	BADHALGA	132		
17313	BAGPAT	132		
17167	BAH	132		
17325	BAHADOHI	132		
17314	BAHRALCH	132		
17728	BAJAJ02	132		
17729	BAJAJ03	132		
17730	BAJAJ04	132		
17732	BAJAJ06	132		
17733	BAJAJ07	132		
17734	BAJAJ08	132		
17735	BAJAJ09	132		
17736	BAJAJ10	132		
17315	BALIA_UP	132		
17316	BALRAMPU	132		
17701	BALRCHIN	132		
17109	BANDA1	132		
17317	BANDA132	132		
17318	BANGERMA	132		
17319	BANSI	132		
17320	BARABANK	132		
17104	BARAUT1	132		
17322	BARELY-1	132		
17321	BARELYII	132		
17326	BARTHANA	132		
17187	BASTI1	132		
17731	BDLAPUR	132		

17328	BHIMNAGR	132		
17329	BHOOR	132		
17330	BHOPAROA	132		
17754	BIDHUNA	132		
17755	BIGHAPU	132		
17331	BIJNOUR	132		
17332	BILARI	132		
17334	BILASPUR	132		
17333	BILHOUR	132		
17503	BINA	132		
17336	BISAU LI	132		
17603	BITHOOR	132		
17337	BODLA	132		
17338	BUDHANA	132		
17377	BULANDSA	132		
17186	CANT_AL	132		
17130	CBGANJ	132		
17745	CHADA	132		
17756	CHAKALV	132		
17757	CHAKIA	132		
17758	CHANDAK	132		
17341	CHAND AUS	132		
17340	CHANDOLI	132		
17342	CHANDPUR	132		
17343	CHHAPRAU	132		
17111	CHIBRMAU	132		
17113	CHINHAT	132		
17344	CHUNNAR	132		
17345	CHUTMALP	132		
17346	DADANGR	132		
17556	DADRI_13	132		
17759	DALA1	132		
17760	DALMAU	132		
17720	DALMI01	132		
17721	DALMI02	132		
17722	DALMI03	132		
17349	DARSHANN	132		
17350	DASNA	132		
17746	DAURAL	132		
17702	DCM01	132		
17737	DCM02	132		
17738	DCM03	132		
17753	DCM04	132		
17351	DEBAI	132		
17352	DEOBAND	132		
17353	DEORIA_1	132		
17161	DEORIA1	132		
17198	DHAMPR1	132		
17741	DHAMPU01	132		
17742	DHAMPU02	132		
17743	DHAMPU03	132		
17761	DHAURHRA	132		
17354	DIBIYAPU	132		
17355	DIGHAR	132		
17122	DOHANA1	132		
17356	DOHRIGHA	132		
17357	DUMERIAG	132		
17724	DWARIK01	132		
17725	DWARIK02	132		
17762	DYALBAGH	132		
17358	ETAH	132		
17359	ETAWAH	132		
17360	ETMADPUR	132		

17361	FARIDPUR	132		
17363	FATEHABA	132		
17362	FATEHGAR	132		
17176	FATEHPR1	132		
17371	FCI_GORA	132		
17165	FEROZBD1	132		
17367	GAJOKHAR	132		
17117	GAJRAULA	132		
17364	GANGO	132		
17763	GARWARA	132		
17365	GAURIGAN	132		
17174	GAZIPR2	132		
17366	GAZIPUR1	132		
17368	GHATAMPU	132		
17369	GIDA	132		
17102	GNOIDA1	132		
17101	GOKUL	132		
17372	GOLA	132		
17373	GOMTINAG	132		
17185	GONDA1	132		
17374	GOPIGANJ	132		
17181	GORAKPR1	132		
17661	GULABARI	132		
17710	GULARI01	132		
17751	GULARI02	132		
17375	GULAUTI	132		
17376	GYANPUR	132		
17703	HAIDER01	132		
17752	HAIDER02	132		
17381	HALDARPU	132		
17382	HANDIA	132		
17383	HAPUR	132		
17384	HAPURROA	132		
17163	HARDOI1	132		
17120	HARDROAD	132		
17385	HARDUG-A	132		
17156	HARDUGN1	132		
17386	HARRIAYA	132		
17110	HATHRAS1	132		
17764	HATHRS1	132		
17305	IFFCOAON	132		
17695	IFFCOPHU	132		
17378	IND_A_GZ	132		
17387	INDOGULF	132		
17569	INDRAVAL	132		
17388	JAGDISHP	132		
17390	JAHANABA	132		
17389	JAHANGIR	132		
17391	JAINPUR	132		
17765	JALAUN1	132		
17392	JALESAR	132		
17393	JANSETH	132		
17394	JASALA	132		
17395	JASRANA	132		
17766	JATTARI	132		
17184	JAUNPUR1	132		
17396	JAUNPUR1	132		
17397	JHANSI	132		
17300	JHANSI2	132		
17398	JHINGANA	132		
17399	JHUSI	132		
17600	JIGNA	132		
17711	JKSUGAR	132		

17767	JOLLYROD	132		
17768	JWAHRPUR	132		
17601	KADIPUR	132		
17614	KAJARHAA	132		
17604	KAMLAPUR	132		
17769	KANHUPWN	132		
17606	KANKANKH	132		
17605	KANNAUJ	132		
17607	KARCHANA	132		
17608	KARVI	132		
17609	KASGANJ	132		
17611	KASIA	132		
17612	KASIMABA	132		
17613	KAURIRAM	132		
17602	KAYAMGAN	132		
17615	KERAKAT	132		
17616	KHAGA	132		
17617	KHAIR	132		
17618	KHALILAB	132		
17610	KHAMBAKH	132		
17620	KHARAD	132		
17619	KHATOLI	132		
17770	KHEKRA	132		
17621	KHURAMNA	132		
17154	KHURJA1	132		
17771	KHURJAI	132		
17622	KIRATPUR	132		
17723	KMSAGA	132		
17623	KOLLSA	132		
17624	KOSIKALA	132		
17625	KRISHNAN	132		
17709	KUMBH	132		
17626	KUNDA	132		
17546	KUNDANRO	132		
17628	KUNDESHW	132		
17630	LAKHAOTI	132		
17629	LAKHIMPU	132		
17555	LALGANJ	132		
17631	LALGANJ	132		
17632	LALITPUR	132		
17633	LALUKHER	132		
17559	LEEDOPUR	132		
17704	LHSUGARO	132		
17750	LHSUGARO	132		
17634	LML	132		
17635	LONI	132		
17135	LUCKNOW1	132		
17637	MACHLISH	132		
17653	MAHARAJG	132		
17638	MAHOBA	132		
17162	MAINPUR	132		
17639	MALWA	132		
17643	MANAURI	132		
17705	MANCHIN	132		
17640	MANDUADI	132		
17641	MANJHANP	132		
17642	MANKAPUR	132		
17644	MARLAHU	132		
17645	MARTINPU	132		
17558	MATH_132	132		
17646	MATHURA	132		
17554	MATHURA2	132		
17647	MAU_NEW	132		

17648	MAU_OLD	132		
17649	MAU_RANI	132		
17132	MAU1	132		
17650	MAWANA	132		
17712	MAWANA01	132		
17713	MAWANA02	132		
17714	MAWANA03	132		
17651	MEDICALC	132		
17380	MEERUTRO	132		
17773	MEHDAWAL	132		
17774	MEHNAGAR	132		
17772	MEHRBANS	132		
17652	MEJAROAD	132		
17142	MERUT1	132		
17654	MILKIPUR	132		
17655	MINTOPAR	132		
17656	MIRZAPUR	132		
17657	MODISTEE	132		
17658	MOHADDIP	132		
17659	MOHAMMAD	132		
17660	MOHAMMAD	132		
17379	MOHANNAG	132		
17664	MOTH	132		
17138	MURABAD1	132		
17662	MURADABA	132		
17144	MURADNG1	132		
17665	MUZAFARN	132		
17667	NAGALIKI	132		
17669	NAINI	132		
17670	NAKUR	132		
17672	NANAPARA	132		
17671	NANOTA	132		
17151	NARA	132		
17674	NARAINPU	132		
17675	NASEERPU	132		
17166	NAUBSTA	132		
17775	NAUGARH	132		
17136	NAZIBABA	132		
17676	NEBODPAR	132		
17121	NEHTOR1	132		
17677	NEWARIRO	132		
17748	NEWIND	132		
17678	NIBKAROR	132		
17126	NIGHASAN	132		
17679	NIRPURA	132		
17680	NKN	132		
17681	NOIDA_II	132		
17682	NOIDA_IV	132		
17100	NOIDA_UP	132		
17684	NOIDA_VI	132		
17324	NOIDA129	132		
17685	NOIDA62	132		
17686	NOIDA62	132		
17169	OBRA1	132		
17688	ORAI_132	132		
17112	ORAI1	132		
17719	OUDH	132		
17689	PALLIA	132		
17164	PANKI1	132		
17691	PARICHHA	132		
17747	PARLE01	132		
17749	PARLE02	132		
17690	PARTAPGA	132		

17692	PARTAPPU	132		
17693	PATTI	132		
17694	PHOOLPUR	132		
17114	PHULPUR1	132		
18199	PILIBHI1	132		
17696	PINHAT	132		
17699	PURKAYAN	132		
17501	PURKAZI	132		
17698	PUVAYAN	132		
17504	RAEBAREL	132		
17557	RAEBRL_P	132		
17585	RAIBAR-N	132		
17506	RAJAKATA	132		
17505	RAJAPAKA	132		
17777	RAMPRMNI	132		
17508	RAMPUR	132		
17509	RAMSENGH	132		
17510	RASRA	132		
17511	RATH	132		
17706	RAUCHIN	132		
17502	RCGREEN	132		
17776	RHIMABAD	132		
17172	RICHA	132		
17190	ROBERTG1	132		
17513	SADABAD	132		
17778	SAHARACI	132		
17149	SAHARAN1	132		
17119	SAHIBAD	132		
17177	SAHUPR1	132		
17779	SAIDNGLI	132		
17514	SAIDPUR	132		
17780	SALAWA	132		
17515	SALEMPUR	132		
17118	SAMBHAL	132		
17553	SAMBHAL	132		
17516	SANDILA	132		
17517	SARAON	132		
17518	SARDHANA	132		
17178	SARNATH1	132		
17199	SARSAUL	132		
17781	SASNI1	132		
17519	SEFAI	132		
17520	SEMRIJAM	132		
17636	SGPGI	132		
17782	SHAHABAD	132		
17522	SHAHGANJ	132		
17673	SHAHJAHA	132		
17128	SHAJANP1	132		
17147	SHAMLI1	132		
17523	SHAMSABA	132		
17524	SHANKARG	132		
17115	SHATABD	132		
17525	SHATRUGH	132		
17526	SHIKARPU	132		
17527	SHIKOHAB	132		
17528	SIDHAULI	132		
17532	SIKANDAR	132		
17531	SIKANDRA	132		
17529	SIKNDARA	132		
17716	SIMBHO01	132		
17717	SIMBHO02	132		
17116	SIMBOLI	132		
17533	SINGHAVE	132		

17783	SINGHOLI	132		
17534	SIRATHU	132		
17133	SITAPUR1	132		
17535	SIYANA	132		
17335	SOHAWAL	132		
17536	SONEPUMP	132		
17547	SONIK	132		
17537	SREAMBAL	132		
17726	SUKHBI	132		
17183	SULTANP1	132		
17327	SUMERPUR	132		
17538	SURAJPUR	132		
17539	TAJPUR	132		
17540	TANDA	132		
17784	TANDARAM	132		
17541	TELCO	132		
17785	TELIARGA	132		
17542	THAKURWA	132		
17543	THANABHA	132		
17544	TRIGLASS	132		
17707	TRIVEN01	132		
17708	TRIVEN02	132		
17545	TRT	132		
17786	UJJHANI	132		
17107	UNNAO1	132		
17744	UPPERG	132		
17787	UPSIDCMA	132		
17548	USWAN	132		
17739	UTTAM01	132		
17740	UTTAM02	132		
17550	VAISHALI	132		
17549	VARANASI	132		
17551	VRINDAVA	132		
17560	YAMUNAPU	132		
17552	ZAMNIA	132		
17739	UTTAM01	132		
17740	UTTAM02	132		
17550	VAISHALI	132		
17549	VARANASI	132		
17551	VRINDAVA	132		
17560	YAMUNAPU	132		
17552	ZAMNIA	132		
17666	BARKHER	132		
17668	KUNDARK	132		
17663	MAQSUDPR	132		
17170	OBRAH1	132		
17189	RIHND1	132		
17715	SBECBIO	132		
17627	UTRAULA	132		
Total shunt capacitor (at 132kV or below) lumped at 132kV node (MVar)				

Bus Number	Bus Name	Base kV	Shunt capacitor to be lumped at this Node (MVar)	Type of load (A/B) Refer instruction above
17204	AGRAN	220		
17274	ALLAHBAD	220		
18274	ALLAHABAD (POWERGRID)	220		
17203	ATRAULI	220		
17281	AZAMGARH	220		
17282	BADAUN	220		
17232	BAIKUNTPUR	220		

17209	BANDA	220		
17904	BARAUT	220		
17287	BASTI	220		
17264	BHARTHNA	220		
17230	BITHOOR	220		
17289	ALLAHABAD CANT	220		
17280	CBGANJ	220		
17256	CHIBRMAU	220		
17213	CHINHAT	220		
17905	DADRIUP	220		
17269	DEORIA	220		
17270	DOHANA	220		
17214	ETAH	220		
18215	FATEHPUR-POWERGRID	220		
17277	FATEHPUR	220		
17261	FEROZABAD	220		
17295	GAJOKHAR	220		
17215	GAJRAULA	220		
17275	GHAZIPUR	220		
17202	GNOIDA	220		
17201	GOKUL	220		
17231	GOMTINAGAR	220		
17285	GONDA	220		
17268	GORAKHPUR	220		
18288	GORAKHPUR-(POWERGRID)	220		
17288	GORAKHPUR	220		
17228	HARDOI	220		
17235	HARDOI ROAD	220		
17257	HARDUA GANJ	220		
17212	HATHRAS	220		
17246	JAHANGIRABAD	220		
17283	JAUNPUR	220		
17297	JHANSI	220		
17294	JHUSI	220		
17220	KANPU SOUTH	220		
17247	KHARA	220		
17255	KHURJA	220		
17249	LONI	220		
18235	LUCKNOW	220		
17262	MAINPURI	220		
18262	MANPURI (POWERGRID)	220		
18205	MEERUT (POWERGRID)	220		
17296	MIRZAPUR	220		
17243	MODIPURAM	220		
17239	MURADBAD	220		
17245	MURADNAGAR	220		
17267	MURADNAGAR	220		
17244	MUZAAFARNAGAR	220		
17900	NANAUTA	220		
17252	NARA	220		
17266	NAUBASTA	220		
17222	NEHTOR	220		
17251	NOIDA SEC-19	220		
17200	NOIDA-0	220		
17206	NOIDA05	220		
17216	NOIDA-6	220		
17271	OBRA	220		
17258	ORAI	220		
17265	PANKI	220		
17263	PARICHA	220		
17800	PARTAPGARH	220		
17210	PHULPUR	220		
17801	RC GREEN CITY	220		

17227	ROSA-I	220		
17211	RPHKANPR	220		
17260	SAFAI	220		
17250	SAHARNPUR	220		
17219	SAHIBABAD	220		
17278	SAHUPURI	220		
17238	SAMBHAL	220		
17279	SARNATH	220		
17236	SAROJINI NAGAR	220		
17248	SHAMLI	220		
17218	SHAMSHABAD	220		
17240	SHATABDI	220		
17229	SHAHJAHANPUR	220		
17254	SIKANDARABAD	220		
17259	SIKANDRA	220		
17241	SIMBOLI	220		
17234	SITAPUR	220		
17223	SOHAWAL	220		
17284	SULTANPUR	220		
17286	TANDA	220		
17207	UNNAO	220		
Total shunt capacitor lumped at 220kV node (MVA_r)				

Instructions:

1. Shunt capacitors installed at 132kV or below may be lumped at the nearest/appropriate 132kV node
2. In case 132kV node is not available then the shunt capacitor may be lumped at nearest/appropriate 220kV node
3. Load category-A :Urban/Commercial/Industrial
Load category-B: Rural/Agriculture load

Uttarakhand

Bus Number	Bus Name	Base kV	Shunt capacitor installed at 132kV or below (MVar)	Type of load (A/B) Refer instruction above
17127	ALMORA	132		
17175	BAZPUR	132		
17141	BHAGWANN	132		
17125	BHOWALI	132		
17155	BHUPATWA	132		
17143	BINDAL	132		
17195	CHILLA-H	132		
12700	CPP	132		
17123	DHAKRANI	132		
17134	HALDWAN1	132		
17171	HARIDWA1	132		
12701	IGL	132		
17159	JASPUR	132		
17194	JWALAPUR	132		
17191	KALAGARH	132		
17192	KASHIPU1	132		
12706	KASHIUR-OLD	132		
12705	KATHGODAM	132		
17137	KHATIMAH	132		
17901	KHODRI	132		
17129	KICCHHA	132		
17139	KOTDWAR	132		
17197	KULHALHE	132		
12702	KVS	132		
17182	LAKSAR	132		
17140	MANGLORE	132		
17196	MAZRA	132		
17145	PANTNAG1	132		
17146	PITHORAG	132		
17148	PURKULGA	132		
17157	RAMNAGAR	132		
17160	RANIKHET	132		
17124	RISHIKE1	132		
17193	ROORKEE1	132		
17153	RUDRAPUR	132		
17180	SITARGAN	132		
12703	SITARGANJ	132		
17152	SRINAGAR	132		
12704	T-POINT	132		
Total shunt capacitor (at 132kV or below) lumped at 132kV node (MVar)				

Bus Number	Bus Name	Base kV	Shunt capacitor to be lumped at this Node (MVar)	Type of load (A/B) Refer instruction above
17253	BHILANGANA	220		
17226	CHAMBA	220		
17299	CHIBRO-H	220		

17290	GHANSAL	220		
17233	HALDWANI	220		
17272	HARIDWAR	220		
17221	KASHIPUR	220		
17902	KHODRIHEP	220		
17291	MAHUAKHERA	220		
12600	MANERIBHALI-1	220		
17298	MANERIBHALI-2	220		
17242	PANTH NAGAR	220		
17225	RISHIKESH	220		
17276	ROORKEE	220		
17292	SHRAVANTI	220		
17293	TATA	220		
Total shunt capacitor lumped at 220kV node (MVar)				

Instructions:

1. Shunt capacitors installed at 132kV or below may be lumped at the nearest/appropriate 132kV node
2. In case 132kV node is not available then the shunt capacitor may be lumped at nearest/appropriate 220kV node
3. Load category-A :Urban/Commercial/Industrial
Load category-B: Rural/Agriculture load

Rajasthan

Bus Number	Bus Name	Base kV	Shunt capacitor installed at 132kV or below (MVar)	Type of load (A/B) Refer instruction above
16000	AAU	132		
16001	ABUROAD	132		
16002	AJITGARH	132		
16003	AJOTILA	132		
16004	AKLERA	132		
16005	AMET	132		
16006	AMRAPURA	132		
16008	DAUSA1	132		
16009	ANDHI1	132		
16010	ANTA	132		
16011	ANTROLI1	132		
16012	ANUPGARH	132		
16013	ASIND	132		
16014	ASPUR-21	132		
16015	ATRU1	132		
16016	BABA1	132		
16017	BADAGAON	132		
16018	BADESAR1	132		
16019	BADISADAR	132		
16020	BADNU1	132		
16021	BADRA-21	132		
16022	BAGGER	132		
16023	BAGIDRA	132		
16024	BAGORA1	132		
16025	BAGOT1	132		
16026	BAGRA1	132		
16027	BAGRU1	132		
16028	BAJU	132		
16029	BAKANI1	132		
16030	BALAWALA	132		
16031	BALESAR	132		
16032	BANAR1	132		
16033	BANDIKUI	132		
16034	BANSUR	132		
16035	BAORI1	132		
16036	BAP1	132		
16037	BARLI-21	132		
16038	BARMER1	132		
16039	BAROLI	132		
16040	BASER11	132		
16041	BASSI-CH	132		
16042	BASSI1	132		
16043	BAYANA	132		
16044	BEGOD	132		
16045	BEGUN	132		
16046	BEHRORE	132		
16047	BHADLA	132		
16048	BHADOTI1	132		
16049	BHADRA	132		

16050	BHADWASI	132		
16051	BHANKROT	132		
16052	BHARATPUR1	132		
16053	BHATEWAR	132		
16054	BHAWAMAN	132		
16055	BHADROONA	132		
16056	BHERUNDA	132		
16057	BHERUNDA	132		
16058	BHINASAR	132		
16059	BHINDER1	132		
16060	BHIWADI1	132		
16061	BHOPALGARH	132		
16062	BHUSAWAR	132		
16063	BIDAS1R1	132		
16064	BIDIYAD1	132		
16065	BIJOLIA	132		
16066	BISSAU	132		
16067	BORUNDA1	132		
16068	BUHANA1	132		
16069	BUNDI	132		
16070	BUNDI-21	132		
16071	CHAKSU	132		
16072	CHAMBAL1	132		
16073	CHAMPAPUR	132		
16074	CHAMU	132		
16075	CHANDGOT	132		
16076	CHANDN1	132		
16077	CHIPABAD	132		
16078	CHIRAWA	132		
16079	CHITAWA	132		
16080	CHOPANKI	132		
16081	CHOPASAN	132		
16082	CHOTISADAR	132		
16083	CHURU	132		
16084	DAKANKOT	132		
16085	DALOT	132		
16086	DANTA	132		
16087	DANT-BHI	132		
16088	DARIBA	132		
16089	DASPAN	132		
16090	DEBARI1	132		
16091	DECHU-21	132		
16092	DECHU1	132		
16093	DEEDWANA	132		
16094	DEEG	132		
16095	DEOGARH1	132		
16096	DEOLI	132		
16097	DEOLIKOT	132		
16098	DESHNOK1	132		
16099	DHAULAKU	132		
16100	MERTA	132		
16101	BHIWADI-2	132		
16102	NAGAU1	132		
16103	BHINMAL1	132		
16104	DHURIYAWA	132		
16105	KUKAS1	132		
16106	DUDU	132		
16107	DUG	132		
16108	RATANGARH	132		
16109	ALWAR1	132		

16110	JAISALMER	132		
16111	JAIPUR1	132		
16112	REENGUS1	132		
16113	KHETRI1	132		
16114	AJMER1	132		
16115	PHULERA1	132		
16116	BHILWARA	132		
16117	RAMGARH21	132		
16118	BEAWAR1	132		
16119	BHARATPUR-21	132		
16120	KOTA-IA1	132		
16121	DHOLPUR1	132		
16122	RPS1	132		
16124	UDAIPUR1	132		
16125	BARME-21	132		
16126	KOTPUTLI	132		
16127	NIMBHER1	132		
16128	JHUNJHUN	132		
16129	CHITTORG	132		
16130	TINWARI1	132		
16131	SIROHI1	132		
16132	JODHP-21	132		
16133	BALOTRA1	132		
16134	SANGANER	132		
16135	MODAK1	132		
16136	NEEMRANA	132		
16137	PALI-21	132		
16138	AMARSAGA	132		
16139	PHALODI	132		
16140	BHOPA-21	132		
16141	KHINVSAR	132		
16142	KUCHAMAN	132		
16143	DHAURIMA	132		
16144	JALOR-21	132		
16145	PINDWARA	132		
16146	SUJNGA-2	132		
16147	MANDAWAR	132		
16148	UDYOGVIH	132		
16149	JHALAWAR	132		
16150	DAHRA1	132		
16151	DULCHASA	132		
16152	SAWAIMAD	132		
16153	HINDAUN1	132		
16154	BILARA1	132		
16155	SIKAR1	132		
16156	BIKANER1	132		
16157	SURATGAR	132		
16158	SRIDU-21	132		
16159	HANUMANG	132		
16160	MAHI-I	132		
16161	BANSWAR1	132		
16162	KISHA-21	132		
16163	CHOMU1	132		
16164	DULNIYA1	132		
16165	KANKR-21	132		
16166	BALI1	132		
16167	MAKRANA1	132		
16168	DUNGRPR	132		
16169	DUNI1	132		
16170	VKIA_21	132		

16171	BARA-21	132		
16172	ENGGCOLL	132		
16173	BARAN	132		
16174	DHOD	132		
16175	BORND	132		
16176	BAGRU-21	132		
16177	GULABPUR	132		
16178	FALNA	132		
16179	FATEHPUR	132		
16180	GADRAROA	132		
16181	GAJNER	132		
16182	GAJNER	132		
16183	GALIFA	132		
16184	GANGA-BH	132		
16185	GANGAC21	132		
16186	GANGCITY	132		
16187	GHARSANA	132		
16188	GOGUNDA1	132		
16189	GOPAL-MI	132		
16190	GOTAN	132		
16191	GOVINDGA	132		
16192	GSGR-MP	132		
16193	GUDAMALN	132		
16194	GUDHAGOR	132		
16195	GULUWALA	132		
16196	HAMIRGAR	132		
16199	HEMDA1	132		
16600	HESABA1	132		
16601	HINDOLI1	132		
16602	HINGONIA	132		
16604	ITAWA	132		
16605	JADOL1	132		
16606	JAGATPUR	132		
16607	JAHAJPUR	132		
16608	JAITARAN	132		
16609	JAKHARAN	132		
16610	JALAMAND	132		
16611	JALORE1	132		
16612	JAMWA-RA	132		
16613	JASRASAR	132		
16614	JAWAR-NA	132		
16615	JAYAL-1	132		
16616	JEEWANA	132		
16617	JHOKHASA	132		
16618	JHOTWARA	132		
16619	JJN1	132		
16620	JOBNER	132		
16621	JODHP-41	132		
16622	JOJAWAR1	132		
16623	JS1	132		
16624	JUNAMEET	132		
16625	KACHAWA1	132		
16626	KACHOLA1	132		
16627	KAILADEV	132		
16628	KALADERA	132		
16629	KALAU	132		
16630	KAMA1	132		
16631	KAMINPUR	132		
16632	KANDELA	132		
16633	KANKROL1	132		

16634	KANWARI	132		
16635	KAPASN	132		
16636	KARAULI1	132		
16637	KARERA-1	132		
16638	KARWAR-2	132		
16639	KEKRI	132		
16640	KELWARA	132		
16641	KESHWANA	132		
16642	KEWAI	132		
16643	KHACHRI	132		
16644	KHAJUWAL	132		
16645	KHANDAR	132		
16646	KHANPUR1	132		
16647	KHARCHI	132		
16648	KHARWA1	132		
16649	KHERLI	132		
16650	KHOOD1	132		
16651	KHUTUSHY	132		
16652	KISH-BAS	132		
16653	KISHANG1	132		
16654	KOLAYAT1	132		
16655	KOODAN	132		
16666	KOTKASIM	132		
16667	KUCHARA	132		
16668	KUCHERA	132		
16669	KUMAWAS	132		
16670	KUMHER	132		
16671	KUNDAKI	132		
16672	KURI	132		
16673	KUSHKHER	132		
16674	LADNU	132		
16675	LAKHERI	132		
16676	LALSOT1	132		
16677	LAMBAJAT	132		
16678	LAXMALWR	132		
16679	LAXMAN-S	132		
16680	LOHAWAT1	132		
16681	LOONKANS	132		
16682	LOSAL1	132		
16683	MADRI	132		
16684	MAHAVIR	132		
16685	MAHI-II	132		
16686	MAHUWA	132		
16687	MALAKHER	132		
16688	MALPURA1	132		
16689	MALSISAR	132		
16690	MANDALGA	132		
16691	MANDAN	132		
16692	MANDANA	132		
16693	MANDAWA	132		
16694	MANDAWAL	132		
16695	MANDERLA	132		
16696	MANDRAYW	132		
16697	MANGLWAR	132		
16698	MANGROL1	132		
16699	MANOHARP	132		
16700	MANSAROV	132		
16701	MAPLAWAS	132		
16702	MARKHI	132		
16703	MATHAN-1	132		

16704	MATHANIA	132		
16705	MATORA	132		
16706	MAVLI	132		
16707	MAYRAMG	132		
16708	MDSUIAJ	132		
16709	MEHLOO1	132		
16710	MERTACIT	132		
16711	MERTA_RO	132		
16712	MIALWAR	132		
16713	MNIT-JAI	132		
16714	MOKHMPUR	132		
16715	MOLASAR1	132		
16716	MOMASAR1	132		
16717	MUNDWA1	132		
16718	MUNDWAR	132		
16719	NADBAI	132		
16720	NAGAR1	132		
16721	NAINWA1	132		
16722	NANGALI	132		
16723	NANGLI	132		
16724	NAPASAR	132		
16725	NARWA	132		
16726	NASIRABA	132		
16727	NATHDWAR	132		
16728	NAWA	132		
16729	NAWAL-21	132		
16730	NAWALGAR	132		
16731	NEEMKATH	132		
16732	NEWAI	132		
16733	NOHAR	132		
16734	NOKHA	132		
16735	NPH-JODH	132		
16736	NPH1	132		
16737	OPH-JODH	132		
16738	OSIAN	132		
16739	PSNO8	132		
16740	PADAMPUR	132		
16741	PADROO1	132		
16742	PALADAR	132		
16743	PALI1	132		
16744	PALODA	132		
16745	PAOTA	132		
16746	PAREWARA	132		
16747	PARTAPUR	132		
16748	PATAN_S	132		
16749	PATLISAR	132		
16750	PHAGI	132		
16751	PILANI	132		
16752	PILIBANG	132		
16753	PINAN	132		
16754	PIPALIYA	132		
16755	PIPAR1	132		
16756	PIPRALI	132		
16757	POKRAN1	132		
16758	POONSA	132		
16759	PRATA-UD	132		
16760	PRATAPGA	132		
16761	PRATA-JO	132		
16762	PS-5	132		
16763	PS2-1	132		

16764	PS2-21	132		
16765	PS3-1	132		
16766	PSNO1	132		
16767	PUGALROA	132		
16768	PURANAGH	132		
16769	PUSHKARO	132		
16770	PUSKA-RO	132		
16771	PWD	132		
16772	RAISINGH	132		
16773	RAJAKHER	132		
16774	RAJGARH	132		
16775	RAJGARH1	132		
16776	RAJIASR	132		
16777	RAMGAR-A	132		
16778	RAMPURA	132		
16779	RAMSEEN	132		
16780	RANASAR1	132		
16781	RANI	132		
16782	RANIWARA	132		
16783	RANOLI	132		
16784	RAPP1	132		
16785	RASHMI	132		
16786	RAWATBHA	132		
16787	RAWATSAR	132		
16788	RAYLA	132		
16789	RENWAL1	132		
16790	REODAR	132		
16791	RICO_BHI	132		
16792	RIRI	132		
16793	RISHDEO	132		
16794	ROON1	132		
16795	ROOPWAS	132		
16796	RUPNGARH	132		
16797	SADULSHA	132		
16798	SAGWARA1	132		
16799	SAKATPUR	132		
16800	SALASAR	132		
16801	SALUMBR1	132		
16802	SAMDARI1	132		
16803	SANCHOR1	132		
16804	SANCHO21	132		
16805	SANGOD	132		
16806	SANGRIA	132		
16807	SANJOO	132		
16808	SANKAD1	132		
16809	SANWAD1	132		
16810	SANWREEJ	132		
16811	SAPOL	132		
16812	SARADHNA	132		
16813	SARDARSH	132		
16814	SARMATHU	132		
16815	SARNADUN	132		
16816	SATA	132		
16817	SAWA(B)1	132		
16818	SAWA-CH1	132		
16819	SAYLA1	132		
16820	SEDWA	132		
16821	SENTHI	132		
16822	SEZ-KAPA	132		
16823	SEZ_1	132		

16824	SEZ1_21	132		
16825	SHAHJANP	132		
16826	SHAH PURA	132		
16827	SHAH-PH	132		
16828	SHEO1	132		
16829	SHEOPUR1	132		
16830	SIKANDRA	132		
16831	SIKRAI	132		
16832	SILORA_1	132		
16833	SINDRA1	132		
16834	SIRSI1	132		
16835	SISARMA1	132		
16836	SITAPU-1	132		
16837	SITAP-21	132		
16838	SIWANA	132		
16839	SMS-STA1	132		
16840	SOJAT1	132		
16841	SOORSAGA	132		
16842	SOYLA1	132		
16843	SPOTRA-1	132		
16844	SRIDUNG1	132		
16845	SRIGANGA	132		
16846	SRIKARNP	132		
16847	SRIMADHO	132		
16848	SRIMAHAV	132		
16849	SRIVIJAY	132		
16850	SUJNGAR1	132		
16851	SUKHER1	132		
16852	SULTANA	132		
16853	SUMERPUR	132		
16854	SURAJGAR	132		
16855	SURPURA1	132		
16856	SUWANA	132		
16857	T_VKIA1	132		
16858	TAGOREN	132		
16859	TALERA	132		
16860	TARANAGA	132		
16861	TEHNEDSA	132		
16862	TELEWARA	132		
16863	TEMDRIA	132		
16864	THADOLI1	132		
16865	THANAGAZ	132		
16866	THOI_1	132		
16867	TIZARA	132		
16868	TODABHIM	132		
16869	TODARASI	132		
16870	TONK	132		
16871	TOONGA1	132		
16872	UDAIPURW	132		
16873	UMAIDPUR	132		
16874	UNDOO	132		
16875	UNIARA1	132		
16876	UPANI_1	132		
16877	VAISHALI	132		
16878	VIJAYMAN	132		
16879	VKIA1	132		
16880	WEIR1	132		
16881	Z_MINES	132		
Total shunt capacitor (at 132kV or below) lumped at 132kV node (MVar)				

Bus Number	Bus Name	Base kV	Shunt capacitor to be lumped at this Node (MVar)	Type of load (A/B) Refer instruction above
16214	AJMER	220		
16280	AKAL-2	220		
16209	ALWAR	220		
16237	AMARSAGA	220		
16281	ASPUR	220		
16276	BAGRU	220		
16279	BAITOO	220		
16266	BALI	220		
16231	BALOTRA	220		
16260	BANSWARA	220		
16282	BAP_2	220		
16267	BARAN2	220		
16284	BARLI_2	220		
16216	BARMER	220		
16242	BARSINGS	220		
16219	BEAWAR	220		
16285	BHADLA	220		
16286	BHADRA	220		
16287	BHADWASI	220		
16217	BHILWA-2	220		
16288	BHILWA-4	220		
18214	BHINM-PG	220		
16289	BHINM-RS	220		
16201	BHIWA-RS	220		
16240	BHOPALGA	220		
16210	BHTRATPU	220		
16283	BHU-ENER	220		
16256	BIKANE-2	220		
16253	BIKANE-4	220		
16264	BILARA	220		
16275	BORANADA	220		
16290	BUNDI	220		
16271	CHABRA-2	220		
16291	CHIRAWA	220		
16228	CHITTAUR	220		
16263	CHOMU	220		
16251	DAHRA	220		
16007	DAUSA	220		
16292	DEBARI	220		
16293	DECHU	220		
16243	DHAURIMA	220		
16274	DHOD	220		
16268	DHOLPU-2	220		
16220	DHOLPU-4	220		
16294	DUNI	220		
16295	GAJNER	220		
16296	GANGAPUR	220		
16218	GIRALTPS	220		
16277	GULABPUR	220		
16259	HANUMANG	220		
16273	HINDAU-2	220		
16207	HINDAU-4	220		
16211	HIRAPURA	220		
16297	INDIRAGN	220		

16298	JALAMAND	220		
16244	JALORE	220		
16249	JHALAWAR	220		
16223	JHUNJHUN	220		
16203	JK-LAXMI	220		
16233	JODHPU-2	220		
16299	JODHPU-4	220		
16300	KALISIND	220		
16206	KANKR-PG	220		
16265	KANKR-RS	220		
16301	KARWAR	220		
16272	KAWAI	220		
16302	KETUKALA	220		
16213	KHETRI	220		
16241	KHINVSAR	220		
16250	KISHANGA	220		
16303	KISH-BAS	220		
18219	KOTA	220		
16224	KOTPU-RS	220		
16261	KTPS	220		
16222	KUCHAMAN	220		
16304	KUCHERA	220		
16205	KUKAS	220		
16305	KUNDAKID	220		
18208	KUSHKHER	220		
16226	MADA-SUZ	220		
16225	MADRI	220		
16248	MAKRANA	220		
16247	MANDAWAR	220		
16306	MANOHARP	220		
16307	MANSAROV	220		
16200	MERTA-42	220		
16308	MIA-ALWA	220		
16232	MODAK	220		
16202	NAGPUR	220		
16309	NAWALGAR	220		
16236	NEEMR-RS	220		
16227	NIMBHERA	220		
16310	NOKHA	220		
16311	NPH	220		
16312	PADAMPUR	220		
16235	PALI	220		
16239	PHALODI	220		
16215	PHULERA	220		
16245	PINDWARA	220		
16313	PS_2	220		
16278	RAJWEST	220		
16314	RAMGARH	220		
16204	RAPS_A2	220		
16315	RAS_2	220		
16208	RATANGAR	220		
16316	RATANGAR	220		
16212	REENGUS	220		
16269	RENWAL	220		
16221	SAKATPUR	220		
16317	SANCHORE	220		
16234	SANGANER	220		
16318	SAWA	220		
16252	SAWAIMAD	220		
16322	SEZIAIP	220		

16255	SIKAR-RS	220		
16323	SIKRAI	220		
16230	SIROHI	220		
16319	SITAPURA	220		
16254	SRIDUNGA	220		
16246	SUJANGAR	220		
16320	SURATGAR	220		
16257	SURATH-2	220		
16238	TINWARI	220		
16258	UDYOGVIH	220		
16270	VKIA	220		
16321	VSLP	220		
Total shunt capacitor lumped at 220kV node (MVar)				

Instructions:

1. Shunt capacitors installed at 132kV or below may be lumped at the nearest/appropriate 132kV node
2. In case 132kV node is not available then the shunt capacitor may be lumped at nearest/appropriate 220kV node
3. Load category-A :Urban/Commercial/Industrial
Load category-B: Rural/Agriculture load

Punjab

Bus Number	Bus Name	Base kV	Shunt capacitor installed at 132kV or below (MVar)	Type of load (A/B) Refer instruction above
13146	ABOHAR	132		
13174	ALAWALPUR	132		
13130	AMRITSAR	132		
13197	ANANDGARH-1	132		
13149	ANANDGARH-2	132		
13198	ANANDPUR	132		
13106	ASRON	132		
13143	BADAL	132		
13164	BADNIKALAN	132		
13156	BAGHAPURANA	132		
13141	BALUANA	132		
13108	BANGA	132		
13600	BATALA	132		
13175	BEAS	132		
13147	220/132 BHATINDA	132		
13181	BHIKIWIND	132		
13117	BHOGPUR	132		
13128	BILASPUR	132		
13601	220/132 BUTARI	132		
13112	CHAMKAUR	132		
13602	CHILDERNPARK	132		
13116	CHOHAL	132		
13165	DHARAMKOT	132		
13102	DHARIWAL	132		
13603	DHILWAN	132		
13125	DORAHA	132		
13179	EKALGADA	132		
13159	FARIDKOT	132		
13111	220/132 FEROPUR	132		
13161	FEROZSHAH	132		
13115	GHOLIA	132		
13114	GHULAL	132		
13142	GIDDERBAHA	132		
13604	220/132 GOBINDGARH	132		
13134	220/132 GORAYA	132		
13186	GT ROAD AMRITSAR	132		
13101	GURDASPUR	132		
13183	HAKIMAGARH	132		
13176	HOSHIARPUR	132		
13605	IGCBHATI	132		
13107	JADLA	132		
13150	JALALABAD	132		
13129	220/132 JALANDHAR	132		
13144	220/132 JAMALPUR	132		
13178	JANDIALA	132		
13606	JAYANTI	132		
13192	JOGINDERNAGAR	132		

13199	KAHANPUR	132		
19101	KANGRA-PUNJAB	132		
13607	KAPURTHALA	132		
13608	220/132 KARTARPUR	132		
13610	KATHUNANGAL	132		
13122	KHARAR	132		
13173	KHERAMAN	132		
13154	KOTAKPURA	132		
13155	KOTAKPURA	132		
13609	220/132 KOTLISURATN	132		
13113	220/132 MAHILPUR	132		
13185	MALMANDI	132		
13145	MALOUT	132		
13191	MAMUN	132		
13160	MANASINGH	132		
13138	MAUR	132		
13123	MEHMUDAN	132		
13611	MOGA-1	132		
13126	220/132 MOGA	132		
13158	MOGA-II	132		
13612	MUKATSAR	132		
13139	220/132 MUKATSAR	132		
13189	MUKERIAN-1	132		
13190	MUKERIAN-2	132		
13118	MUKERIAN-3	132		
13110	MUKERIAN-4	132		
13168	NAKODAR	132		
13182	NARAINANGAL	132		
13148	NAWANSHAHAR	132		
13167	NURMEHAL	132		
13153	PANJGARY	132		
13119	PATHANKOT	132		
13127	220/132 PATTI	132		
13109	PHAGWARA	132		
13613	PHILLLOUR	132		
13105	PIMS	132		
13188	POWERCOLONY	132		
13172	RC FACTORY	132		
13615	ROPAR	132		
13133	220/132 ROPAR	132		
13151	SADIQ	132		
13184	SAKTRIBAD	132		
13157	SAMADHBHAI	132		
13152	SARAINANGAL	132		
13195	SARNA	132		
13120	220/132 SARNA	132		
13614	SCIENCE CITY	132		
13136	SEH	132		
13137	SHAMSPUR	132		
13103	SHRIHARGOBINDPUR	132		
13131	SIHORA	132		
13163	SOSAN	132		
13140	220/132 SULTANPUR	132		
13166	SWADIKALAN	132		
13162	TALWANDI	132		
13177	TANDA	132		
13196	TANGRA	132		
13180	TARANTARAN	132		

13100	UBDCPH-1	132		
13171	UBDCPH-2	132		
13170	UBDCPH-3	132		
13169	URBAN ESTATE	132		
13187	VERKA	132		
13124	220/132 VERPAL	132		
13121	220/132 WADALAGRA	132		
Total shunt capacitor (at 132kV or below) lumped at 132kV node (MVar)				

Bus Number	Bus Name	Base kV	Shunt capacitor to be lumped at this Node (MVar)	Type of load (A/B) Refer instruction above
13254	AJITWAL	220		
13266	ALGAON	220		
13244	AMLOH	220		
13258	AMLOHROAD	220		
18210	AMRITSAR-PG	220		
13248	BAGHAPURANA	220		
13206	BAHADURGARH	220		
13238	BAJAKHANA	220		
13246	BARNALA-PUNJAB	220		
13247	BATHINDA	220		
13223	BOTIANWALAN	220		
13200	BUTARI	220		
13271	CHOLASHAHIB	220		
13233	CIVILINE AMRITSAR	220		
13201	DANDHARKALAN-1	220		
13257	DANDHARKALAN-2	220		
13228	DASUYA	220		
13209	DERABASSI	220		
13217	DHURI	220		
13274	DORAHA	220		
13218	FATEHGARH	220		
13211	FEROZPUR	220		
13267	FEROZPUR ROAD	220		
13263	FOCAL POINT NABHA	220		
13235	GHUBAYA	220		
13203	GOBINDGARH-1	220		
13236	GOBINDGARH-2	220		
13270	GOINDWAL	220		
13231	GORAYA	220		
13234	HIMMATPURA	220		
13210	HUMBARAN	220		
13212	JAGRAON	220		
13230	JAMSHER	220		
13264	JHUNIR	220		
13268	KAPURTHALA	220		
13208	KARTARPUR	220		
13219	KHARAR	220		
13249	KHASSA	220		
13225	KOHARA	220		
13252	KOTLI SURATMALLI	220		
13265	LALRU	220		
13237	LALTONKALAN	220		
13204	LEHRAMOHABBAT	220		
18213	LUDHIANA (POWERGR	220		

13213	MAHILPUR	220		
13251	MAJITHA	220		
13243	MALERKOTLA-PUNJAB	220		
18211	MALERKOTLA-(POWER	220		
13261	MALOUT	220		
13215	MANSA	220		
13272	MASTEWAL	220		
13273	MEHALKALAN	220		
18212	MOGA-(POWERGRID)	220		
13226	MOGA-PS	220		
13250	MOHALI-1	220		
13256	MOHALI-2	220		
13239	MUKTSAR	220		
13207	NAKODAR	220		
13262	PAKHOWAL	220		
13242	PATIALA-PS	220		
18242	PATIALA-(POWERGRID)	220		
13241	PATRAN	220		
13227	PATTI	220		
13245	RAJLA	220		
13229	RAJPURA	220		
13260	RASHIANA	220		
13269	REHANAJATTAN	220		
13232	ROPAR	220		
13221	RSD	220		
13259	SADIQ	220		
13202	SAHNEWAL	220		
12227	SANGRUR	220		
13220	SARNA	220		
13240	SULTANPUR	220		
13216	SUNAM	220		
13253	TIBBER	220		
13224	VERPAL	220		
13222	WADALAGRANTH	220		
Total shunt capacitor lumped at 220kV node (MVar)				

Instructions:

1. Shunt capacitors installed at 132kV or below may be lumped at the nearest/appropriate 132kV node
2. In case 132kV node is not available then the shunt capacitor may be lumped at nearest/appropriate 220kV node
3. Load category-A :Urban/Commercial/Industrial
Load category-B: Rural/Agriculture load

Jammu & Kashmir

Bus Number	Bus Name	Base kV	Shunt capacitor installed at 132kV or below (MVar)	Type of load (A/B) Refer instruction above
11109	ARAMGARH	132		
11111	AULSTENG	132		
11121	AWANTIPURA	132		
11138	BADAMPUR	132		
11136	BARIBRAHMINA	132		
11123	BARN1	132		
11144	BATOT1	132		
11118	BEMINA1	132		
11107	CHAMASHEHI	132		
11143	CHANDAK1	132		
11142	DRABA1	132		
11137	GLADINI1	132		
11128	HABBAK	132		
11140	HERANAGAR1	132		
11133	JANIPUR1	132		
11132	JHAJJARKOTL1	132		
11114	JOURIAN1	132		
11131	KALAKOTE	132		
11006	KATHUA1	132		
11113	KATRA1	132		
11127	KHANMOH	132		
11116	KULGAM	132		
11122	LASSIPORA	132		
11104	LOWERJHELMUM1	132		
11146	MAGAM	132		
11110	MAHANPUR	132		
11112	MATTAN	132		
11135	MERANSAHIB	132		
11101	MIRBAZAR	132		
11134	NEWCANAL1	132		
11129	PAMPORE1	132		
11105	PATTAN1	132		
11141	RAJOURI1	132		
11102	RAMBAN	132		
11120	RAWALPURA1	132		
11139	SAMBA	132		
11126	SHOPIAN	132		
11103	SHREE	132		
11145	SIDHRA1	132		
11115	TETHAR	132		
11108	UDAMPUR1	132		
11119	UPPERSIND	132		
11117	WANGANPURA1	132		
11130	WANPOH1	132		
11106	ZAINAKOT	132		
Total shunt capacitor (at 132kV or below) lumped at 132kV node (MVar)				

Bus Number	Bus Name	Base kV	Shunt capacitor to be lumped at this Node (MVar)	Type of load (A/B) Refer instruction above
11205	AULSTENG	220		
11224	BARN	220		
11125	HIRANAGAR	220		
11228	JAMMU	220		
11124	KISHENPUR	220		
11204	MIRBAZAR	220		
11225	PAMPORE	220		
11203	RAMBAN	220		
11201	UDHAMPUR	220		
11223	WAGOORA	220		
11200	ZAINKOTE	220		
Total shunt capacitor lumped at 220kV node (MVar)				

Instructions:

1. Shunt capacitors installed at 132kV or below may be lumped at the nearest/appropriate 132kV node
2. In case 132kV node is not available then the shunt capacitor may be lumped at nearest/appropriate 220kV node
3. Load category-A :Urban/Commercial/Industrial
Load category-B: Rural/Agriculture load

Himachal Pradesh

Bus Number	Bus Name	Base kV	Shunt capacitor installed at 132kV or below (MVar)	Type of load (A/B) Refer instruction above
19125	ACC	132		
19117	AMB	132		
19102	BAJAURA	132		
19113	BAROTIWA	132		
19109	BASSI	132		
19129	BATHRI	132		
19131	BIJNI	132		
19106	CHHAUR	132		
19100	DARLAGHAT	132		
19123	DEHRA	132		
19112	GIRI	132		
19110	HAMIRPUR-1	132		
19108	HAMIRPUR-2	132		
19120	JASSOR	132		
19121	JUTOGH	132		
19114	KALAAMB	132		
19135	KANDRI	132		
19124	KANGO	132		
19105	KANGRA	132		
19107	KUNIHAR	132		
19119	LARJI	132		
19104	MALANA	132		
19115	PALAMPUR	132		
19116	PAONTA	132		
19122	SOLAN	132		
19118	UNA	132		
Total shunt capacitor (at 132kV or below) lumped at 132kV node (MVar)				

Bus Number	Bus Name	Base kV	Shunt capacitor to be lumped at this Node (MVar)	Type of load (A/B) Refer instruction above
19202	BADDI	220		
19226	BHABA	220		
19205	CHHAUR	220		
19210	HAMIRPUR	220		
19220	JASSOR2	220		
19201	KANGOO	220		
19207	KASHANG	220		
19200	KOTLA	220		
19208	KUNIHAR	220		
19212	MAJRI	220		
19206	RAURIAMB	220		
19203	UPARNANGAL	220		
Total shunt capacitor lumped at 220kV node (MVar)				

Instructions:

1. Shunt capacitors installed at 132kV or below may be lumped at the nearest/appropriate 132kV node
2. In case 132kV node is not available then the shunt capacitor may be lumped at nearest/appropriate 220kV node
3. Load category-A :Urban/Commercial/Industrial
Load category-B: Rural/Agriculture load

Haryana

Bus Number	Bus Name	Base kV	Shunt capacitor installed at 132kV or below (MVar)	Type of load (A/B) Refer instruction above
14107	ABDULLAPUR	132		
14665	ADAMPUR	132		
14133	ADHOUN	132		
14669	AHERWAN	132		
14601	ALEWA	132		
14158	AMIN	132		
14674	ARYA-NANGAL	132		
14653	ASSAKHERA	132		
14161	ASSANDH	132		
14642	ATELA-KA	132		
14633	ATELI-MA	132		
18117	BAHADURGH	132		
14644	BAHU	132		
14124	BAPORA	132		
14675	BARWALA	132		
14156	BASTARA	132		
14634	BATTA	132		
14625	BAWAL	132		
14664	BEER	132		
14648	BEGU	132		
14639	BEHAL	132		
14610	BEHOLI	132		
14617	BERI	132		
14690	BHADRA	132		
14167	BHADSON	132		
14177	BHAGAL	132		
14672	BHATTU	132		
14147	BHIWANI	132		
14153	BHORE	132		
14108	BHUNNA	132		
14132	BHUSTHAL	132		
14673	BHUTHAN	132		
14646	BIBIPUR	132		
14149	BODHNI	132		
14628	BUROLI	132		
14178	CHAKULAD	132		
14609	CHANDOLI	132		
14148	CHARKHDADRI	132		
14684	CHEEKA	132		
14142	220/132 CHEEKA	132		
14608	CHHAJPUR	132		
14620	CHORMAR	132		
14606	DABLAIN	132		
14652	DABWALI	132		
14661	DADHIBANA	132		
14641	DADR1-HS	132		
14688	DADR2-HS	132		

14629	DAHINA	132		
14190	DEEPALPUR	132		
14193	DHAMTAAN	132		
14150	DHAND	132		
14626	DHANONDA	132		
14195	DHANOURI	132		
14670	DHARSUL	132		
14637	DIGHAWA	132		
14120	DIWANA	132		
14635	DUDHIAN	132		
14198	DURALA	132		
14656	ELLENABAD	132		
14691	FATEHABAD	132		
14126	220/132 FATEHABAD	132		
14686	FAZILPUR	132		
14188	GANNUAR	132		
14194	GARHI	132		
14164	GHARAUND	132		
14197	GHOGHARI	132		
14619	GOHANA	132		
14624	GOTHRA-P	132		
14182	HABRI	132		
14117	HANSI	132		
14189	HARSANA	132		
14121	HISAR	132		
14184	HSIIDC-R	132		
14614	HSIIDC-ROHTA	132		
14122	IA-BHIWADI	132		
14134	IA-HISAR	132		
14157	INDRI	132		
14145	ISHERWAL	132		
14112	ISHRANA	132		
14151	ISMAILABAD	132		
14671	JAKHAL	132		
14162	JALMANA	132		
14622	JASSIA	132		
14654	JEEWANAGAR	132		
14616	JHAJJAR	132		
14645	JHOJHUKALAN	132		
14100	JIND	132		
14125	JINDALSTEEL	132		
14605	JIND-NEW	132		
14603	JIND-OLD	132		
14636	JUI	132		
14604	JULANA	132		
14160	JUNDLA	132		
14649	KABRI	132		
14181	KABULPUR	132		
14683	KAIT-CIT	132		
14143	KAITHAL	132		
14631	KANINA	132		
14655	KARIWALA	132		
14131	KARNAL	132		
14173	KAUL	132		
14647	KHANPUR_HR	132		
14191	KHARKHOD	132		
14677	KHEDAR	132		
14179	KHERI-GU	132		

14602	KHERI-TA	132		
14144	KIRMICH	132		
14111	KIRORI	132		
14627	KOSLI	132		
14186	KUNDLI	132		
14110	KURUKSHETRA	132		
14155	KURUNGWALI	132		
14640	LOHARU	132		
14140	LUKHI	132		
14657	MADHOSIN	132		
14165	MADHUBAN	132		
14607	MADLODA	132		
14623	MAHAM	132		
14152	MALIKPUR	132		
14146	MASUDPUR	132		
14643	MATANHAI	132		
14612	MDU-ROHTAK	132		
14618	MIE	132		
14659	MIRAN	132		
14183	MOHANA	132		
14118	MOHINDERGARH	132		
14621	MUDLANA	132		
14163	MUNAK	132		
14187	MURTHAL	132		
14168	NAGLAMEGHA	132		
14600	NAGURAN	132		
15031	NARELA_BB	132		
14114	NARNAUL	132		
14658	NARNAUND	132		
14115	NARWANA	132		
14192	NARWANA-NEW	132		
14154	NARWANA-OLD	132		
14611	NAULTHA	132		
14632	N-CHOUDHURY	132		
14166	NEWAL	132		
14693	NFL	132		
14169	NIDANA	132		
14106	NISSING	132		
14199	NUHIYANWALI	132		
14689	NUNAMAJR	132		
14651	ODHAN	132		
14174	PADLA	132		
14171	PAI	132		
14119	PANIPAT	132		
14141	PEHOWA	132		
13132	PINJORE	132		
14129	PTPS	132		
14175	PUNDRI	132		
14185	RAI	132		
14170	RAJOUND	132		
14128	RANIA	132		
14172	RASINA	132		
14668	RATIA	132		
14113	REWARI	132		
14130	ROHTAK	132		
14687	ROHTAK-C	132		
14102	SAFIDON	132		
14159	SAGGA	132		

14650	SAGWAN	132		
14103	SAMALKHA	132		
14176	220/132 SAMALKHA	132		
14615	SAMPLA	132		
14630	SATNALI	132		
14613	SE-3-ROHTAK	132		
14116	SEWAH	132		
14123	SIRSA	132		
14692	SIWAN	132		
14109	SONEPAT	132		
14638	STAUNDI	132		
14676	TELIWARA	132		
14180	THANA	132		
14666	TOHANA	132		
14660	TOSHAM	132		
14196	UCHANA	132		
14667	UKLANA	132		
14137	UNISPUR	132		
Total shunt capacitor (at 132kV or below) lumped at 132kV node (MVar)				

Bus Number	Bus Name	Base kV	Shunt capacitor to be lumped at this Node (MVar)	Type of load (A/B) Refer instruction above
14270	A-5 FARIDABAD	220		
18202	ABDULLAPUR	220		
14201	BADSHAHPUR	220		
18217	BAHDURGARH	220		
14247	BAPORA	220		
14250	BASTARA	220		
14264	BATTA	220		
14207	BHUNA	220		
14241	CHEEKA	220		
14256	CHHAJPUR	220		
14257	CHORMAR	220		
14261	DADHIBANA	220		
14238	DAULTABAD	220		
14258	DEEPALPUR	220		
14260	DHANONDA	220		
14299	DURALA	220		
12229	FATEHABAD (POWERGRID)	220		
14226	FATEHABAD	220		
14227	GURGAON SEC 52	220		
14244	GURGAON SEC 72	220		
14243	GURGAON SEC 56	220		
14234	IA-HISAR	220		
14245	ISHERWAL	220		
14249	JAGADHARI-RAILWAY	220		
14200	JIND	220		
14248	JINDALSTEEL	220		
14233	JORIAN	220		
14259	KABULPUR	220		
14216	KAITHAL	220		
18216	KAITHAL POWERGRID	220		
14231	KARNAL	220		
14251	KAUL	220		
14242	KIRORI	220		

14262	LULAAHIR	220		
14204	MADANPUR	220		
14218	MAHINDERGARH	220		
14239	MANESAR	220		
14246	MASUDPUR	220		
14255	MAU	220		
14252	MOHANA	220		
14214	NARNAUL	220		
14215	NARWANA	220		
14269	NAWADA	220		
14268	NEWRAMPUR	220		
14206	NISSING	220		
14263	NUHIYANWALI	220		
14232	NUNAMAJRA	220		
14225	PALI	220		
14220	PALLA	220		
14222	PALWAL	220		
14229	PANIPAT_NEW	220		
14211	PANIPAT_OLD	220		
14298	PEHOWA	220		
14228	RANIA	220		
14267	REWALI	220		
14213	REWARI	220		
14230	ROHTAK	220		
14202	SAFIDON	220		
14265	SAGWAN	220		
14236	SALEMPUR	220		
14266	SAMAIN	220		
14254	SAMALAKHA	220		
14253	SAMPLA	220		
14205	SHAHBAD	220		
14223	SIRSA	220		
14209	SONEPAT	220		
18243	SONEPAT (POWERGRID)	220		
14203	TEPLA	220		
14237	UNISPUR	220		
14235	YAMUNA NAGAR	220		
Total shunt capacitor lumped at 220kV node (MVar)				

Instructions:

1. Shunt capacitors installed at 132kV or below may be lumped at the nearest/appropriate 132kV node
2. In case 132kV node is not available then the shunt capacitor may be lumped at nearest/appropriate 220kV node
3. Load category-A :Urban/Commercial/Industrial
Load category-B: Rural/Agriculture load

Delhi

Bus Number	Bus Name	Base kV	Shunt capacitor to be lumped at 66kV or 33kV Node (MVar)	Type of load (A/B) Refer instruction above
15036	AIIMS	33		
15007	BAWANA	66		
15012	BURARI	33		
15018	BURARI	66		
15025	DIAL	66		
15001	DEL_GAS6	66		
15038	DSIDCBAWANA	66		
15037	ELECTRICLANE	33		
15030	GEETACOLONY	33		
15033	KANJHAWALA	66		
15032	KASHMIRIGATE	33		
15026	LODIROAD	33		
15035	MASJIDMOTH	33		
15009	MEHRAULI_B	66		
15028	MEHRAULI_S	66		
15055	MUNDKA	66		
15021	NARAINA	33		
15004	NARELA_D	66		
15010	NAZAFGARH_B	66		
15008	OKHLA	66		
15013	OKHLA	33		
15034	PAPANKALA-II	66		
15014	PAPANKALAN-1	66		
15019	PARKSTREET	66		
15024	PARKSTREET	33		
15005	PATPARGANJ	66		
15029	PATPARGANJ	33		
15002	RAJGHAT	66		
15006	RAJGHATG	33		
15000	RIDGEVALLEY	33		
15017	ROHINI	66		
15023	ROHTAK33	33		
15022	ROHTAKROAD	66		
15015	SABJIMANDI	33		
15020	SARITAVIHAR	66		
15016	SHAHBAGH	33		
15011	VASANTKUJ	66		
15027	WAZIRABAD	66		
Total shunt capacitor (at 66kV or 33kV or below) lumped at 66 kV node (MVar)				

Bus Number	Bus Name	Base kV	Shunt capacitor to be lumped at this Node (MVar)	Type of load (A/B) Refer instruction above
15236	AIIMS	220		
15202	BAMNOLI	220		

15213	BAWANA	220		
15218	BURARI	220		
15222	DELHI-RR	220		
15224	DIAL	220		
15238	DSIDC BAWANA	220		
15237	ELECTRICLANE	220		
15233	GAZIPUR_DL	220		
15230	GEETACOLONY	220		
15206	INDRA PRASTHA	220		
15239	KANJHAWALA	220		
15232	KASHMIRIGATE	220		
15226	LODIROAD	220		
15234	MAHARANIBAGH	220		
15212	MANDOLA	220		
15235	MASJIDMOTH	220		
15209	MEHRAULI	220		
15255	MUNDKA	220		
15221	NARAINA	220		
15200	NARELA	220		
15210	NAZAFGARH	220		
15208	OKHLA2	220		
15240	PAPANKALAN-2	220		
15214	PAPANKALAN-1	220		
15219	PARKSTREET	220		
15205	PATPARGANJ	220		
15207	PRAGATI	220		
15201	RAJGHAT	220		
15227	RIDGEVALLEY	220		
15217	ROHINI	220		
15215	SABJIMANDI	220		
15220	SARITAVIHAR	220		
15216	SHAHBAGH	220		
15211	VASANTKUJ	220		
15229	WAZIRABAD	220		
Total shunt capacitor lumped at 220kV node (MVar)				

Instructions:

1. Shunt capacitors installed at 66kV or below may be lumped at the nearest/appropriate 66kV node

3. Load category-A :Urban/Commercial/Industrial

Load category-B: Rural/Agriculture load

Chandigarh

Bus Number	Bus Name	Base kV	Shunt capacitor installed at 66kV or below (MVar)	Type of load (A/B) Refer instruction above
12050	CHANDIGARH SEC-39	66		
12051	CHANDIGARH SEC-12	66		
12052	CHANDIGARH SEC-1	66		
12053	MANIMAJRA	66		
12054	CHANDIGARH SEC-28	66		
12055	INDUSTRIAL AREA-PHASE_I	66		
12056	INDUSTRIAL AREA-PHASE_II	66		
12057	CHANDIGARH SEC-32	66		
12058	CHANDIGARH SEC-47	66		
12059	CHANDIGARH SEC-52	66		
12060	CHANDIGARH SEC-56	66		
12061	IT_PARK	66		
12063	CHANDIGARH SEC-18	66		
13055	KISHANGARH_CHA	66		
Total shunt capacitor (at 66 kV or below) lumped at 66 kV node (MVar)				