AVAILABLE TRANSMISSION/SUBSTATION CAPACITY AND LOCATION FROM 2024-2030

The data provides a reference on available transmission/ substation capacity and locations for generation capacity additions from 2024-2030 as provided by the National Grid Corporation of the Philippines.

2024-2030

Connection Point/Voltage Level	Available Transmission Capacity for GEA-3, Cumulative MW (as of November 2024)						
	2024	2025	2026	2027	2028	2029	2030
LUZON	**2,310**	**2,310**	**3,570**	**3,970**	**8,220**	**8,220**	**8,220**
I. Existing	**2,310**	**2,310**	**2,310**	**2,310**	**2,310**	**2,310**	**2,310**
Tap to Bauang-San Fabian 69 kV Line	40	40	40	40	40	40	40
Bacnotan 69 kV SS	60	60	60	60	60	60	60
Tap to La Trinidad-Sagada 69 kV Line	60	60	60	60	60	60	60
Tap to San Manuel-Calasiao 69 kV Line	80	80	80	80	80	80	80
Tap to Nagsaag-Umingan 69 kV Line	40	40	40	40	40	40	40
Tap to Labrador-San Carlos 69 kV Line	40	40	40	40	40	40	40
Tap to Labrador-Bani 69 kV Line	40	40	40	40	40	40	40
Balingueo 230 kV S/S	60	60	60	60	60	60	60
Balsik 230 kV S/S	300	300	300	300	300	300	300
Mariveles (Alas-asin) 500 kV S/S	600	600	600	600	600	600	600
Tap to Mexico-Calumpit 69 kV Line	40	40	40	40	40	40	40
Tap to Mexico-Apalit 69 kV Line	90	90	90	90	90	90	90
Tap to Cabanatuan-San Luis 69 kV Line	40	40	40	40	40	40	40
San Jose 230 kV S/S	400	400	400	400	400	400	400
Tap to Batangas-Rosario 69 kV Line	40	40	40	40	40	40	40
Tap to Batangas-Mabini-Cuenca 69 kV Line	40	40	40	40	40	40	40
Tap to Bay-Calamba 69 kV Line	40	40	40	40	40	40	40
Tap to Gumaca-Pitogo-Mulanay 69 kV Line	40	40	40	40	40	40	40
Labo 69 kV S/S	70	70	70	70	70	70	70
Tap to Tiwi C-Malinao 69 kV Line	30	30	30	30	30	30	30
Tap to Daraga-Irosin 69 kV Line	40	40	40	40	40	40	40
Tap to Daraga-Ligao 69 kV Line	40	40	40	40	40	40	40
Tap to Naga-Iriga 69 kV Line	40	40	40	40	40	40	40
Tap to Daraga-Sto. Domingo 69 kV Line	40	40	40	40	40	40	40
II. Proposed	**0**	**0**	**1,260**	**1,660**	**5,910**	**5,910**	**5,910**
Balaoan 500 kV SS	0	0	0	0	2,000	2,000	2,000
Laoag 500/230 kV SS	0	0	0	0	1,850	1,850	1,850
Castillejos 230 kV S/S	0	0	190	190	590	590	590
Porac 230 kV S/S	0	0	0	300	300	300	300
Tuy 230 kV S/S	0	0	1,070	1,070	1,070	1,070	1,070
Abuyog 69 kV S/S	0	0	0	100	100	100	100

Connection Point/Voltage Level	Available Transmission Capacity for GEA-3, Cumulative MW (as of November 2024)						
	2024	2025	2026	2027	2028	2029	2030
VISAYAS	**360**	**360**	**360**	**1,090**	**1,090**	**3,090**	**3,580**
I. Existing	**360**	**360**	**360**	**400**	**400**	**2,100**	**2,590**
Tap to Sta. Rita-Quinapondan 69 kV T/L	0	0	0	0	0	0	30
Tap to Calbayog-Bobolosan 69 kV T/L	0	0	0	0	0	0	30
Maasin 138 kV S/S	0	0	0	0	0	0	60
Tap to Maasin-Himayangan 69 kV T/L	0	0	0	0	0	0	30
Tap to Maasin-Baybay 69 kV T/L	0	0	0	0	0	0	30
Tap to Ormoc-Simangan 69 kV T/L	0	0	0	0	0	0	30
Tap to Babatngon-Abucay 69 kV T/L	0	0	0	0	0	0	30
Corella 230 kV S/S	0	0	0	0	0	600	600
Corella 138kV S/S	0	0	0	0	0	150	150
Corella 69 kV S/S	0	0	0	0	0	90	90
Ubay 138 kV S/S	0	0	0	0	0	0	250
Ubay 69 kV S/S	0	0	0	0	0	30	30
Tap to Corella-Tagbilaran 69 kV T/L	40	40	40	40	40	40	40
Tap to Corella-Maribojoc 69 kV T/L	40	40	40	40	40	40	40
Dumanjug 230 kV S/S	0	0	0	0	0	300	300
Dumanjug 69 kV S/S	0	0	0	0	0	90	90
Toledo 138 kV S/S	0	0	0	0	0	40	40
Naga 138 kV S/S	0	0	0	0	0	150	150
Samboan 138 kV S/S	0	0	0	0	0	100	100
Cadiz 230 kV S/S	0	0	0	0	0	150	150
Tap to Amlan-Siaton 69 kV T/L	40	40	40	40	40	40	40
Tap to Mabinay-Bayawan 69 kV T/L	30	30	30	30	30	30	30
Tap to Kabankalan-Sipalay 69 kV T/L	40	40	40	40	40	40	40
Tap connect to Sta. Barbara-San Jose 69 kV T/L	30	30	30	30	30	30	30
Tap to Concepcion-Estancia 69 kV T/L	20	20	20	20	20	20	20
Tap to Panitan-Roxas 69 kV T/L	40	40	40	40	40	40	40
Tap to Panitan-Nabas 69 kV T/L	40	40	40	40	40	40	40
Tap to Nabas-Culasi 69 kV T/L	40	40	40	40	40	40	40
Buenavista 69 kV S/S	0	0	0	40	40	40	40
II. Proposed	**0**	**0**	**0**	**690**	**690**	**990**	**990**
Talisay 230 kV SWS	0	0	0	0	0	300	300
Umapad 230 kV S/S	0	0	0	600	600	600	600
Umapad 69 kV S/S	0	0	0	90	90	90	90

Connection Point/Voltage Level	Available Transmission Capacity for GEA-3, Cumulative MW (as of November 2024)						
	2024	2025	2026	2027	2028	2029	2030
MINDANAO	**2,850**	**3,140**	**3,140**	**3,140**	**3,140**	**3,140**	**3,140**
I. Existing	**2,810**	**3,100**	**3,100**	**3,100**	**3,100**	**3,100**	**3,100**
Polanco–Roxas 69 kV Transmission Line	40	40	40	40	40	40	40
Tap to Aurora-Calamba 69 kV Line	40	40	40	40	40	40	40
Tap to Aurora-San Miguel 69 kV Line	40	40	40	40	40	40	40
Tap to Zamboanga-Tumaga 69 kV Line	40	40	40	40	40	40	40
Aurora 69 kV SS	20	20	20	20	20	20	20
Pitogo 69 kV SS	40	40	40	40	40	40	40
Zamboanga 69 kV SS	80	20	20	20	20	20	20
Tap to Agus 6-Kauswagan 69 kV Line	20	20	20	20	20	20	20
Lala 230 kV SS	300	300	300	300	300	300	300
Balo-i 230 kV SS	150	150	150	150	150	150	150
Balo-I 69 kV SS	40	40	40	40	40	40	40
Tap to Jasaan-Balingasag 69 kV Line	40	40	40	40	40	40	40
Maramag 230 kV SS	300	300	300	300	300	300	300
Villanueva 230 kV SS	150	150	150	150	150	150	150
Opol 138 kV SS	100	100	100	100	100	100	100
Jasaan 138 kV SS	150	150	150	150	150	150	150
Kibawe 138 kV SS	100	100	100	100	100	100	100
Manolo Fortich 69 kV SS	40	40	40	40	40	40	40
Opol 69 kV SS	40	40	40	40	40	40	40
Tagoloan 69 kV SS	40	40	40	40	40	40	40
Maramag 69 kV SS	40	40	40	40	40	40	40
Placer 138 kV SS	150	150	150	150	150	150	150
San Francisco 138 kV SS	150	150	150	150	150	150	150
San Francisco 69 kV SS	40	40	40	40	40	40	40
Tap to Nabunturan-Asuncion 69 kV Line	40	40	40	40	40	40	40
Tap to Nabunturan-Compostela 69 kV Line	40	40	40	40	40	40	40
Tap to Maco-Banaybanay 69 kV Line	40	40	40	40	40	40	40
Tap to Maco-Tagum 69 kV Line	40	40	40	40	40	40	40
Toril 230 kV SS	300	300	300	300	300	300	300
Maramag 69 kV SS	40	40	40	40	40	40	40
Davao 69 kV SS	40	40	40	40	40	40	40
Bunawan 69 kV SS	40	40	40	40	40	40	40
Tap to Sultan Kudarat-Datu Saudi Ampatuan 69 kV	40	40	40	40	40	40	40
Tap to Tacurong-Salbu 69 kV Line	40	40	40	40	40	40	40
Tap to Tacurong-Kalamansig 69 kkV SS Line	0	50	50	50	50	50	50
Culaman 230 kV SS	0	300	300	300	300	300	300

II. Proposed	**0**	**450**	**600**	**750**	**940**	**940**	**1,090**
Gango 138 kV SS	0	0	0	0	0	0	150
Laguindingan 230 kV SS	0	300	300	300	300	300	300
Kabacan 138 kV SS	0	150	150	150	150	150	150
Koronadal 138 kV SS	0	0	0	150	150	150	150
Tago 138 kV SS	0	0	150	150	150	150	150
Mati 69 kV SS	0	0	0	0	40	40	40
Mati 138 kV SS	0	0	0	0	150	150	150