

TARIFAS EN BARRA (Res. N° 067-2021-OS/CD y N° 143-2021-OS/CD)
FIJACION AL 04/MAYO/2021

TENSIÓN kV	PPMo S./kW-mes	PEMPo ctm. S./kW.h	PEMFo ctm. S./kW.h
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	TENSION	PMPO	PMPO	PMPO
	kV	S./kW-mes	cm	cm
Sistema Eléctrico Interconectado Nacional (SEIN) - Res. Barra (Cuadro 1)				
Zonitos	220	21,10	19,07	17,66
Talara	220	21,10	18,94	17,56
Piura Oeste	220	21,10	18,98	17,62
Chidayo Oeste	220	21,10	18,76	17,46
Carhuazquero	220	21,10	18,46	17,22
Carhuazquero	138	21,10	18,47	17,22
Culervo	138	21,10	18,65	17,33
Jaen	138	21,10	18,82	17,48
Guadalupe	220	21,10	18,75	17,46
Guadalupe	60	21,10	18,81	17,50
Cajamarca	220	21,10	18,44	17,20
Trujillo Norte	220	21,10	18,64	17,39
Chimbote 1	220	21,10	18,53	17,31
Chimbote 1	138	21,10	18,56	17,33
Paramonga Nueva	220	21,10	18,18	17,05
Paramonga Nueva	138	21,10	18,15	17,03
Paramonga Existente	220	21,10	18,07	16,99
Huayta	220	21,10	18,19	17,08
Zapallal	220	21,10	18,37	17,21
Ventanilla	220	21,10	18,40	17,25
Lima	220	21,10	18,39	17,24
Centura	220	21,10	18,19	17,12
Chica	220	21,10	18,09	17,00
Independencia	220	21,10	18,23	17,18
Ica	220	21,10	17,27	16,27
Marcona	220	21,10	18,40	17,24
Mantaro	220	21,10	17,75	16,68
Huaytucachi	220	21,10	17,80	16,80
Pachachaca	220	21,10	17,95	16,89
Pomacocha	220	21,10	17,99	16,91
Huancavelica	220	21,10	17,90	16,83
Callahuana	220	21,10	18,13	17,02
Cajamarquilla	220	21,10	18,33	17,20
Huailanca	138	21,10	18,03	16,85
Vicanca	220	21,10	17,89	16,71
Tingo Maria	220	21,10	17,59	16,36
Ayacucho	220	21,10	17,44	16,20
Ayacucho	138	21,10	17,48	16,23
Ayacucho	22,9	21,10	17,47	16,22
Pucallpa	138	21,10	17,98	16,58
Pucallpa	60	21,10	18,00	16,58
Ayacucho	138	21,10	17,86	16,50
Tocachi	138	21,10	18,14	16,86
Tingo Maria	138	21,10	17,54	16,30
Huánuco	138	21,10	17,80	16,54
Parashua II	220	21,10	17,75	16,58
Parashua	220	21,10	17,71	16,53
Yaupi	138	21,10	17,42	16,29
Yuncay	138	21,10	17,55	16,40
Oroya Nueva	220	21,10	17,50	16,40
Oroya Nueva	220	21,10	17,83	16,79
Oroya Nueva	138	21,10	17,72	16,64
Oroya Nueva	50	21,10	17,77	16,73
Carhuayacu	220	21,10	17,72	16,56
Carhuayacu Nueva	220	21,10	17,71	16,53
Caripa	138	21,10	17,63	16,52
Desierto	220	21,10	18,21	17,15
Condorocha	138	21,10	17,63	16,52
Condorocha	44	21,10	17,63	16,52
Machupicchu	138	21,10	18,04	16,85
Cusco	138	21,10	18,56	17,31
Cusco	138	21,10	18,66	17,37
Compañata	138	21,10	18,96	17,65
Tintaya	138	21,10	19,21	17,95
Ayaviri	138	21,10	18,94	17,64
Azángaro	138	21,10	18,77	17,45
San Gaban	138	21,10	17,85	16,67
Mazuco	138	21,10	18,44	17,01
Puerto Maldonado	138	21,10	19,98	17,38
Juliaca	138	21,10	18,94	17,59
Puno	220	21,10	18,94	17,59
Puno	220	21,10	18,91	17,57
Callalli	138	21,10	18,98	17,75
Santuario	138	21,10	18,76	17,55
Arequipa	138	21,10	18,84	17,59
Scotabaya	220	21,10	18,82	17,58
Cerro Verde	138	21,10	18,90	17,63
Repatrión	138	21,10	19,02	17,68
Molena	220	21,10	19,13	17,76
Moquegua	220	21,10	18,82	17,55

Adriñela	MT	29,35	37,67	37,67
Chavimodich	MT	29,35	33,78	33,78
Edénlor	MT	29,35	33,78	33,78
Elilhino	MT	29,35	33,78	33,78
Electro Oriente	MT	29,35	52,97	52,97
Electro Sur Este	MT	0,00	0,00	0,00
Electro Puno	MT	29,35	49,14	49,14
Electro Ucavali	MT	29,35	61,51	61,51
Electronorte	MT	0,00	0,00	0,00
Hidrandina	MT	29,35	33,78	33,78
Ses	MT	29,35	84,49	84,49

	MT	29.35	19.68	19.68
Adriñeta	MT	29.35	19.68	19.64
Chavimodich	MT	29.35	19.64	19.64
Edelnor	MT	29.35	19.64	19.64
Elkhola	MT	29.35	17.19	17.19
Electro Oriente	MT	29.35	25.24	25.24
Electro Sur Este	MT	0.00	0.00	0.00
Electro Puno	MT	29.35	14.96	14.96
Electro Ucayali	MT	29.35	24.76	24.76
Electronorte	MT	0.00	0.00	0.00
Hidrotriana	MT	29.35	19.64	19.64
SEAL	MT	29.35	22.01	22.01

KV	TENSIÓN	PPM S./A/W/m	PEMP cm. S./A/W/h	PEMF cm. S./A/W/h	PCSPST cm. S./A/W/m	CPSEE	(PPM+PCPST)		(PEMP+CPSEE)		Potencia cm. S./A/W/h	Energía		Promedio
							cm. S./A/W/m	cm. S./A/W/h	cm. S./A/W/h	cm. S./A/W/h				
Sistema Elctrico Interconectado Nacional (SIN)- Res. Barra (Cuadro 1)														
Zoritos	220	22.84	20.86	19.32	40.239		63.08	20.86	19.32	10.99	19.53	30.61		
Alajó	220	22.84	20.72	19.28	40.239		63.08	20.72	19.28	10.99	19.51	30.59		
Pura Oeste	220	22.84	20.77	19.28	40.239		63.08	20.77	19.28	10.99	19.58	30.56		
Chidayo Oeste	220	22.84	20.53	19.10	40.239		63.08	20.53	19.10	10.99	19.38	30.37		
Carhuayacu	220	22.84	20.20	18.84	40.239		63.08	20.20	18.84	10.99	19.11	30.10		
Carhuayacu	138	22.84	20.21	18.84	40.239		63.08	20.21	18.84	10.99	19.11	30.10		
Cutervo	138	22.84	20.40	18.96	40.239		63.08	20.40	18.96	10.99	19.25	30.23		
Jaen	138	22.84	20.59	19.12	40.239		63.08	20.59	19.12	10.99	19.41	30.30		
Guadalupe	220	22.84	20.51	19.10	40.239		63.08	20.51	19.10	10.99	19.38	30.37		
Guadalupe	60	22.84	20.58	19.15	40.239		63.08	20.58	19.15	10.99	19.43	30.40		
Cajamarca	220	22.84	20.18	18.82	40.239		63.08	20.18	18.82	10.99	19.09	30.08		
Trujillo Norte	220	22.84	20.39	19.03	40.239		63.08	20.39	19.03	10.99	19.30	30.23		
Chimbote 1	220	22.84	20.27	18.94	40.239		63.08	20.27	18.94	10.99	19.20	30.19		
Chimbote 1	220	22.84	20.31	18.96	40.239		63.08	20.31	18.96	10.99	19.25	30.21		
Paramonga Nueva	220	22.84	18.89	16.65	40.239		63.08	18.89	16.65	10.99	18.90	29.88		
Paramonga Nueva	138	22.84	18.86	16.63	40.239		63.08	18.86	16.63	10.99	18.87	29.86		
Paramonga Existente	138	22.84	19.77	18.59	40.239		63.08	19.77	18.59	10.99	18.82	29.81		
Chilca	220	22.84	19.80	18.69	40.239		63.08	19.80	18.69	10.99	19.33	30.59		
Zapallal	220	22.84	20.10	18.83	40.239		63.08	20.10	18.83	10.99	19.08	30.07		
Ventallina	220	22.84	20.13	18.87	40.239		63.08	20.13	18.87	10.99	19.12	30.11		
Lima	220	22.84	20.12	18.86	40.239		63.08	20.12	18.86	10.99	19.11	30.10		
Chilca	220	22.84	19.80	18.73	40.239		63.08	19.80	18.73	10.99	19.38	30.59		
Chilca	220	22.84	19.79	18.60	40.239		63.08	19.79	18.60	10.99	19.38	30.59		
Independencia	220	22.84	19.95	18.80	40.239		63.08	19.95	18.80	10.99	19.03	30.01		
Ica	220	22.84	19.99	18.84	40.239		63.08	19.99	18.84	10.99	19.07	30.05		
Marcona	220	22.84	20.13	18.86	40.239		63.08	20.13	18.86	10.99	19.16	30.13		
Mantaro	220	22.84	19.42	18.25	40.239		63.08	19.42	18.25	10.99	18.48	29.47		
Huayucachi	220	22.84	19.47	18.38	40.239		63.08	19.47	18.38	10.99	18.60	29.58		
Pachachaca	220	22.84	19.64	18.48	40.239		63.08	19.64	18.48	10.99	18.71	29.70		
Pachachaca	220	22.84	19.68	18.58	40.239		63.08	19.68	18.58	10.99	18.73	29.72		
Huancavelica	220	22.84	19.58	18.41	40.239		63.08	19.58	18.41	10.99	18.64	29.63		
Callahuana	220	22.84	19.84	18.62	40.239		63.08	19.84	18.62	10.99	18.86	29.85		
Cajamarquilla	220	22.84	20.05	18.82	40.239		63.08	20.05	18.82	10.99	19.06	30.05		
Huallanca	138	22.84	19.73	18.44	40.239		63.08	19.73	18.44	10.99	18.70	29.68		
Chilca	220	22.84	19.57	18.40	40.239		63.08	19.57	18.40	10.99	18.62	29.55		
Tingo Maria	220	22.84	19.25	17.90	40.239		63.08	19.25	17.90	10.99	18.17	29.15		
Agayayia	220	22.84	18.08	17.72	40.239		63.08	18.08	17.72	10.99	17.99	28.98		
Agayayia	138	22.84	18.12	17.76	40.239		63.08	18.12	17.76	10.99	18.03	29.02		
Agayayia	22.9	22.84	19.11	17.75	40.239		63.08	19.11	17.75	10.99	18.02	29.01		
Pucallpa	138	22.84	19.67	18.14	40.239		63.08	19.67	18.14	10.99	18.84	29.43		
Pucallpa	60	22.84	19.69	18.14	40.239	2.0053	63.08	19.69	18.14	20.15	10.99	20.46	31.44	
Acayayia	138	22.84	19.54	17.85	40.239		63.08	19.54	17.85	10.99	18.43	29.42		
Chilca	138	22.84	19.85	18.45	40.239		63.08	19.85	18.45	10.99	19.03	29.97		
Tingo Maria	138	22.84	19.19	18.16	40.239		63.08	19.19	18.16	10.99	18.10	29.09		
Huánuco	138	22.84	19.47	18.10	40.239		63.08	19.47	18.10	10.99	18.37	29.36		
Angargha II	138	22.84	19.42	18.14	40.239		63.08	19.42	18.14	10.99	18.39	29.38		
Paracacha	220	22.84	19.38	18.09	40.239		63.08	19.38	18.09	10.99	18.35	29.33		
Yaupi	138	22.84	19.06	17.82	40.239		63.08	19.06	17.82	10.99	18.07	29.05		
Yuncán	138	22.84	19.20	17.94	40.239		63.08	19.20	17.94	10.99	18.19	29.18		
Yuncán	138	22.84	19.26	17.99	40.239		63.08	19.26	17.99	10.99	18.24	29.23		
Oroya Nueva	220	22.84	19.51	18.37	40.239		63.08	19.51	18.37	10.99	18.61	29.49		
Oroya Nueva	138	22.84	19.39	18.19	40.239		63.08	19.39	18.19	10.99	18.43	29.41		
Oroya Nueva	50	22.84	19.44	18.30	40.239		63.08	19.44	18.30	10.99	18.53	29.51		
Carhuayayacu	138	22.84	19.39	18.12	40.239		63.08	19.39	18.12	10.99	18.37	29.38		
Carhuayayacu Nueva	220	22.84	19.38	18.09	40.239		63.08	19.38	18.09	10.99	18.35	29.33		
Caripa	138	22.84	19.29	18.07	40.239		63.08	19.29	18.07	10.99	18.31	29.30		
Desereto	220	22.84	19.92	18.76	40.239		63.08	19.92	18.76	10.99	18.99	29.98		
Condorocha	138	22.84	19.29	18.07	40.239		63.08	19.29	18.07	10.99	18.31	29.30		
Condorocha	44	22.84	19.29	18.07	40.239		63.08	19.29	18.07	10.99	18.31	29.30		
Madchupichu	138	22.84	19.74	18.44	40.239		63.08	19.74	18.44	10.99	18.70	29.68		
Cachaymo	138	22.84	20.33	18.94	40.239		63.08	20.33	18.94	10.99	19.22	30.20		
Cusco	138	22.84	20.42	19.00	40.239		63.08	20.42	19.00	10.99	19.28	30.27		
Combagata	138	22.84	20.74	19.31	40.239		63.08	20.74	19.31	10.99	19.51	30.58		
Tintaya	138	22.84	21.02	19.64	40.239		63.08	21.02	19.64	10.99	19.91	30.90		
Avayiri	138	22.84	20.72	19.30	40.239		63.08	20.72	19.30	10.99	19.58	30.57		
Adargano	138	22.84	20.54	19.10	40.239		63.08	20.54	19.10	10.99	19.39	30.37		
San Gabán	138	22.84	20.53	19.09	40.239		63.08	20.53	19.09	10.99	19.38	30.48		
Mazuco	138	22.84	20.18	18.61	40.239		63.08	20.18	18.61	10.99	19.02	29.91		
Puerto Maldonado	138	22.84	21.86	19.02	40.239		63.08	21.86	19.02	10.99	19.59	30.57		
Julica	138	22.84	20.72	19.25	40.239		63.08	20.72	19.25	10.99	19.54	30.53		
Puno	220	22.84	20.72	19.25	40.239		63.08	20.72	19.25	10.99	19.54	30.53		
Puno	220	22.84	20.69	19.25	40.239		63.08	20.69	19.22	10.99	19.51	30.50		
Callalli	138	22.84	20.77	19.42	40.239		63.08	20.77	19.42	10.99	19.69	30.67		
Santuario	138	22.84	20.53	19.20	40.239		63.08	20.53	19.20	10.99	19.46	30.45		
Chicaja	220	22.84	20.61	19.25	40.239		63.08	20.61	19.25	10.99	19.55	30.54		
Scotabaya	220	22.84	19.59	19.23	40.239		63.08	19.59	19.23	10.99	19.50	30.49		
Cerro Verde	138	22.84	20.68	19.29	40.239		63.08	20.68	19.29	10.99	19.57	30.55		
Repardito	138	22.84	20.81	19.34	40.239		63.08	20.81	19.34	10.99	19.63	30.62		
Beléndio	220	22.84	20.93	19.43	40.239		63.08	20.93	19.43	10.99	19.73	30.71		
Moquegua	220	22.84	20.59	19.20	40.239		63.08	20.59	19.20	10.99	19.48	30.46		
Moquegua	138	22.84	20.61	19.22	40.239		63.08	20.61	19.22	10.99	19.50	30.48		
El IES	138	22.84	20.80	19.37	40.239		63.08	20.80	19.37	10.99	19.65	30.64		
Conifera	138	22.84	20.73	19.34	40.239		63.08	20.73	19.34	10.99	19.64	30.62		
Toquepala	138	22.84	20.77	19.39	40.239		63.08	20.77	19.39	10.99	19.66	30.65		
Arica	138	22.84	20.62	19.35	40.239		63.08	20.62	19.35	10.99	19.60	30.59		
Arica	66	22.84	20.56	19.34	40.239	0.5912	63.08	20.56	19.35	10.99	19.60	30.59		
Tacna (Los Héroes)	220	22.84	20.68	19.25	40.239		63.08	20.68	19.25	10.99	19.55	30.54		
Tacna (Los Héroes)	66	22.84	20.76	19.28	40.239	0.5912	63.08	20.76	19.28	10.99	19.60	30.59		
La Nina	220	22.84	20.53	19.10	40.239		63.08	20.53	19.10	10.99	19.38	30.37		
Cotacuse	220	22.84	20.08	18.80	40.239		63.08	20.08	18.80	10.99	19.05	30.04		
Arabaya	220	22.84	20.08	18.81	40.239		63.08	20.08	18.81	10.99	19.06	30.05	</	

Sistemas Aislados - Res. Barra (Cuadro 1) - Precios en Barra										
Adnelina	MT	32.18	41.30	41.30	32.18	41.30	41.30	8.13	41.30	49.43
Chavimochic	MT	32.12	36.97	36.97	32.12	36.97	36.97	8.11	36.97	45.08
Edelton	MT	32.12	36.97	36.97	32.12	36.97	36.97	8.11	36.97	45.08
Ehlichia	MT	32.12	36.97	36.97	32.12	36.97	36.97	8.11	36.97	45.08
Electro Oriente	MT	34.91	63.00	63.00	34.91	63.00	63.00	8.82	63.00	71.82
Electro Sur Este	MT									
Electro Puno	MT	32.12	53.77	53.77	32.12	53.77	53.77	8.11	53.77	61.88
Electro Ucayali	MT	34.04	71.35	71.35	34.04	71.37	71.35	8.60	71.35	79.95
Electronora	MT									
Hedronidia	MT	32.12	36.97	36.97	32.12	36.97	36.97	8.11	36.97	45.08
Reel	MT	33.72	92.22	92.22	33.72	92.27	92.22	8.53	92.22	105.25

Sistemas Aislados - Res. Barra (Cuadro 10) - Precios Efectivos											
Adelma	MT	34.13	24.62	24.62		34.13	24.62	24.62	8.62	24.62	33.24
Alvaresmich	MT	34.17	24.20	24.20		34.17	24.20	24.20	8.63	24.20	32.83
Edelher	MT	34.17	24.20	24.20		34.17	24.20	24.20	8.63	24.20	32.83
Elchicha	MT	34.17	21.58	21.58		34.17	21.58	21.58	8.63	21.58	30.21
Elchicha Oriente	MT	34.91	35.27	35.27		34.91	35.27	35.27	8.82	35.27	46.09
Electro Sur Este	MT										
Electro Puno	MT	33.33	20.21	20.21		33.33	20.21	20.21	8.42	20.21	28.68
Electro Ucayali	MT	34.04	34.60	34.60		34.04	34.60	34.60	8.60	34.60	44.00
Electronorte	MT										
Eladranda	MT	34.17	24.20	24.20		34.17	24.20	24.20	8.63	24.20	32.83
Elisel	MT		34.74	34.74			34.74	34.74	8.53	34.74	43.27

PRECIO A NIVEL DE GENERACIÓN

VALORES BASE DEL PNG (Resolución N°225-2021-OS/CD)
FIJACIÓN AL 04/11/2021

ACTUALIZADO AL 04/Enero/2022 CON REDONDEO

	TENSIÓN kV	PWM S/A/W-mes	PMP c/m. S/A/W.h	PMP/F c/m. S/A/W.h
Sistema Eléctrico Interconectado Nacional (SEN) - Res. Barra (Cuadro 1)				
Zorritos	220	28,61	26,20	21,06
Talara	220	28,61	26,02	20,86
Plura Oeste	220	28,61	26,08	21,01
Chicharo Oeste	220	28,61	25,78	20,83
Carhuazero	220	28,61	25,36	20,54
Carhuazero	138	28,61	25,37	20,54
Culervo	138	28,61	25,63	20,67
Jen	138	28,61	25,85	20,85
Guadalupe	220	28,61	25,77	20,82
Guadalupe	60	28,61	25,84	20,87
Caiparna	220	28,61	25,34	20,52
Troño Norte	220	28,61	25,61	20,74
Chimote 1	220	28,61	25,78	20,65
Chimote 1	138	28,61	25,50	20,67
Paramonga Nueva	220	28,61	24,98	20,34
Paramonga Nueva	138	28,61	24,94	20,32
Paramonga Existente	138	28,61	24,83	20,26
Huacho	220	28,61	24,99	20,38
Zapalí	220	28,61	25,24	20,53
Ventania	220	28,61	25,29	20,57
Lima	220	28,61	25,27	20,56
Cantara	220	28,61	25,00	20,42
Chilca	220	28,61	24,85	20,28
Independencia	220	28,61	25,04	20,49
Ica	220	28,61	25,11	20,53
Marcona	220	28,61	25,28	20,56
Mantaro	220	28,61	24,39	19,90
Huayacachi	220	28,61	24,46	20,04
Pachachaca	220	28,61	24,67	20,15
Pomacocha	220	28,61	24,72	20,17
Huancavelica	220	28,61	24,59	20,08
Callahuana	220	28,61	24,91	20,31
Cajamarquilla	220	28,61	25,19	20,51
Huallanca	138	28,61	24,77	20,10
Vicma	220	28,61	24,59	19,94
Tingo María	220	28,61	24,17	19,52
Aguaylla	220	28,61	24,03	19,33
Aguaylla	138	28,61	24,03	19,37
Aguaylla	22,9	28,61	24,00	19,35
Pucallpa	138	28,61	24,71	19,78
Pucallpa	60	28,61	24,74	19,78
Acayacu	138	28,61	24,35	19,80
Tocachi	138	28,61	24,53	20,11
Tingo María	138	28,61	24,11	19,45
Huánuco	138	28,61	24,46	19,73
Parashita I	138	28,61	24,40	19,75
Parashita II	220	28,61	24,34	19,73
Yacui	138	28,61	23,94	19,44
Yuncán	138	28,61	24,11	19,56
Yuncán	220	28,61	24,20	19,62
Oroya Nueva	220	28,61	24,51	20,03
Oroya Nueva	138	28,61	24,36	19,84
Oroya Nueva	50	28,61	24,42	19,96
Carhuamayo	138	28,61	24,35	19,75
Carhuamayo Nueva	220	28,61	24,34	19,72
Carpa	138	28,61	24,23	19,71
Desierto	220	28,61	25,02	20,46
Condorcocha	138	28,61	24,23	19,71
Condorcocha	44	28,61	24,23	19,71
Machupichu	138	28,61	24,78	20,10
Cachimayo	138	28,61	25,53	20,65
Cusco	138	28,61	25,64	20,71
Comblagata	138	28,61	25,05	21,05
Tintaya	138	28,61	26,38	21,40
Ayaviri	138	28,61	26,01	21,03
Adisuyo	138	28,61	25,79	20,82
San Gabán	138	28,61	24,53	19,89
Mazuc	138	28,61	25,34	20,29
Puerto Maldonado	138	28,61	27,44	20,73
Julica	138	28,61	26,02	20,97
Puno	138	28,61	26,02	20,98
Puno	220	28,61	25,97	20,95
Callalí	138	28,61	26,08	21,17
Santuario	138	28,61	25,77	20,93
Arequipa	138	28,61	25,86	20,98
Socabaya	220	28,61	25,85	20,96
Cerro Verde	138	28,61	25,97	21,03
Respiración	138	28,61	26,13	21,08
Molendo	138	28,61	26,28	21,17
Moquegua	220	28,61	25,86	20,94
Moquegua	138	28,61	25,88	20,96
Ito ELS	138	28,61	26,12	21,10
Bofitaca	138	28,61	26,03	21,09
Toqueque	138	28,61	26,08	21,13
Arcoata	138	28,61	25,89	21,10
Arcoata	66	28,61	25,81	21,09
Tacna (Los Héroes)	220	28,61	25,86	20,98
Tacna (Los Héroes)	66	28,61	26,06	21,01
La Nina	220	28,61	25,77	20,83
Cotacachi	220	28,61	25,21	20,49
Carabayo	220	28,61	25,21	20,51
La Ramada	220	28,61	25,11	20,35
Lomera	220	28,61	25,16	20,48
Aia	220	28,61	24,90	20,33
Alto Piedras	220	28,61	25,06	20,42
La Plancia	220	28,61	25,17	20,48
Belandé	138	28,61	25,59	20,64
Cadiz	220	28,61	25,47	20,57
Medio Mundo	220	28,61	24,98	20,36
Tintaya Nueva	220	28,61	26,34	21,36

	TENSIÓN kV	PWM S/A/W-mes	PMP c/m. S/A/W.h	PMP c/m. S/A/W.h	PCSBT c/m. S/A/W.h	CPSEE c/m. S/A/W.h	(PMP+PCSBT) c/m. S/A/W.h	(PMP+CPSEE) c/m. S/A/W.h	(PMPF+CPSEE) c/m. S/A/W.h	Potencia c/m. S/A/W.h	Energía c/m. S/A/W.h	Promedio c/m. S/A/W.h
Sistema Eléctrico Interconectado Nacional (SEN) - Res. Barra (Cuadro 1)												
Coronel	220	28,61	26,20	21,06	40,239	68,849	68,849	26,20	21,06	11,89	22,08	34,07
Talara	220	28,61	26,02	20,86	40,239	68,849	68,849	26,02	20,86	11,89	21,86	33,95
Plura Oeste	220	28,61	26,08	21,01	40,239	68,849	68,849	26,08	21,01	11,89	22,02	34,01
Chicharo Oeste	220	28,61	25,78	20,83	40,239	68,849	68,849	25,78	20,83	11,89	21,82	33,81
Carhuazero	220	28,61	25,36	20,54	40,239	68,849	68,849	25,36	20,54	11,89	21,50	33,49
Carhuazero	138	28,61	25,37	20,54	40,239	68,849	68,849	25,37	20,54	11,89	21,50	33,49
Culervo	138	28,61	25,63	20,67	40,239	68,849	68,849	25,63	20,67	11,89	21,86	33,65
Jen	138	28,61	25,85	20,85	40,239	68,849	68,849	25,85	20,85	11,89	21,85	33,64
Guadalupe	220	28,61	25,77	20,82	40,239	68,849	68,849	25,77	20,82	11,89	21,81	33,80
Guadalupe	60	28,61	25,84	20,87	40,239	68,849	68,849	25,84	20,87	11,89	21,89	33,85
Caiparna	220	28,61	25,34	20,52	40,239	68,849	68,849	25,34	20,52	11,89	21,48	33,47
Troño Norte	220	28,61	25,61	20,74	40,239	68,849	68,849	25,61	20,74	11,89	21,71	33,70
Chimote 1	220	28,61	25,46	20,65	40,239	68,849	68,849	25,46	20,65	11,89	21,61	33,60
Chimote 1	138	28,61	25,50	20,67	40,239	68,849	68,849	25,50	20,67	11,89	21,63	33,62
Paramonga Nueva	220	28,61	24,98	20,34	40,239	68,849	68,849	24,98	20,34	11,89	21,26	33,25
Paramonga Nueva	138	28,61	24,94	20,32	40,239	68,849	68,849	24,94	20,32	11,89	21,24	33,23
Paramonga Existente	138	28,61	24,83	20,26	40,239	68,849	68,849	24,83	20,26	11,89	21,17	33,16
Huacho	220	28,61	24,99	20,38	40,239	68,849	68,849	24,99	20,38	11,89	21,20	33,29
Zapalí	220	28,61	25,24	20,53	40,239	68,849	68,849	25,24	20,53	11,89	21,47	33,46
Ventallita	220	28,61	25,29	20,57	40,239	68,849	68,849	25,29	20,57	11,89	21,51	33,50
Lima	220	28,61	25,27	20,56	40,239	68,849	68,849	25,27	20,56	11,89	21,50	33,49
Cantara	220	28,61	25,00	20,42	40,239	68,849	68,849	25,00	20,42	11,89	21,33	33,32
Chilca	220	28,61	24,85	20,28	40,239	68,849	68,849	24,85	20,28	11,89	21,19	33,18
Independencia	220	28,61	25,04	20,49	40,239	68,849	68,849	25,04	20,49	11,89	21,40	33,39
Ica	220	28,61	25,11	20,53	40,239	68,849	68,849	25,11	20,53	11,89	21,44	33,43
Marcona	220	28,61	25,28	20,56	40,239	68,849	68,849	25,28	20,56	11,89	21,50	33,49
Mantaro	220	28,61	24,39	19,90	40,239	68,849	68,849	24,39	19,90	11,89	20,79	32,78
Huayacachi	220	28,61	24,46	20,04	40,239	68,849	68,849	24,46	20,04	11,89	20,82	32,91
Pachachaca	220	28,61	24,67	20,15	40,239	68,849	68,849	24,67	20,15	11,89	20,75	33,04
Pomacocha	220	28,61	24,72	20,17	40,239	68,849	68,849	24,72	20,17	11,89	21,08	33,07
Huancavelica	220	28,61	24,59	20,08	40,239	68,849	68,849	24,59	20,08	11,89	21,06	33,05
Callahuana	220	28,61	24,91	20,31	40,239	68,849	68,849	24,91	20,31	11,89	21,23	33,22
Cajamarquilla	220	28,61	25,19	20,51	40,239	68,849	68,849	25,19	20,51	11,89	21,44	33,43
Huallanca	138	28,61	24,77	20,10	40,239	68,849	68,849	24,77	20,10	11,89	21,17	33,30
Vicma	220	28,61	24,59	19,94	40,239	68,849	68,849	24,59	19,94	11,89	20,87	32,86
Tingo María	220	28,61	24,17	19,52	40,239	68,849	68,849	24,17	19,52	11,89	20,45	32,44
Aguaylla	220	28,61	23,97	19,33	40,239	68,849	68,849	23,97	19,33	11,89	20,25	32,24
Aguaylla	138	28,61	24,03	19,37	40,239	68,849	68,849	24,03	19,37	11,89	20,30	32,30
Aguaylla	22,9	28,61	24,00	19,35	40,239	68,849	68,849	24,00	19,35	11,89	20,28	32,27
Pucallpa	138	28,61	24,71	19,78	2,053	68,849	68,849	24,71	19,78	11,89	20,76	32,75
Pucallpa	60	28,61	24,74	19,78	40,239	68,849	68,849	24,70	19,75	11,89	22,77	34,66
Acayacu	138	28,61	24,35	19,80	40,239	68,849	68,849	24,35	19,80	11,89	20,75	32,74
Tocachi	138	28,61	24,53	20,11	40,239	68,849	68,849	24,53	20,11	11,89	21,07	33,06
Tingo María	138	28,61	24,11	19,45	40,239	68,849	68,849	24,11	19,45	11,89	20,38	32,37
Huánuco	138	28,61	24,46	19,73	40,239	68,849	68,849	24,46	19,73	11,89	20,67	32,66
Parashita I	138	28,61	24,40	19,75	40,239	68,849	68,849	24,40	19,75	11,89	20,70	32,69
Parashita II	220	28,61	24,34	19,73	40,239	68,849	68,849	24,34	19,73	11,89	20,65	32,64
Yacui	138	28,61	23,94	19,44	40,239	68,849	68,849	23,94	19,44	11,89	20,44	32,53
Yuncán	138	28,61	24,11	19,56	40,239	68,849	68,849	24,11	19,56	11,89	20,69	32,66
Yuncán	220	28,61	24,20	19,62	40,239	68,849	68,849	24,20	19,62	11,89	20,53	32,52
Oroya Nueva	220	28,61	24,51	20,03	40,239	68,849	68,849	24,51	20,03	11,89	20,47	32,46
Oroya Nueva	60	28,61	24,52	20,06	40,239	68,849	68,849	24,42	19,96	11,89	20,84	32,84
Carhuazero	138	28,61	24,35	19,75	40,239	68,849	68,849	24,35	19,75	11,89	20,77	32,73
Carhuazero Nueva	220	28,61	24,34	19,72	40,239	68,849	68,849	24,34	19,72	11,89	20,64	32,63
Cajpa	138	28,61	24,23	19,71	40,239	68,849	68,849	24,23	19,71	11,89	20,61	32,60
Desierto	220	28,61	25,02	20,46	40,239	68,849	68,849	25,02	20,46	11,89	21,37	33,36
Condorchoca	138	28,61	24,23	19,71	40,239	68,849	68,849	24,23	19,71	11,89	20,61	32,60
Condorchoca	60	28,61	24,23	19,71	40,239	68,849	68,849	24,23	19,71	11,89	20,61	32,60
Machupucchi	138	28,61	24,78	20,10	40,239	68,849	68,849	24,78	20,10	11,89	21,03	33,02
Cachimayo	138	28,61	25,53	20,65	40,239	68,849	68,849	25,53	20,65	11,89	21,62	33,61
Chilcaso	138	28,61	25,64	20,71	40,239	68,849	68,849	25,64	20,71	11,89	21,68	33,68
Compañata	138	28,61	26,05	21,05	40,239	68,849	68,849	26,05	21,05	11,89	22,05	34,04
Tintaya	138	28,61	26,38	21,40	40,239	68,849	68,849	26,38	21,40	11,89	22,29	34,19
Yanavi	138	28,61	26,01	21,03	40,239	68,849	68,849	26,01	21,03	11,89	22,01	34,01
Azángaro	138	28,61	25,79	20,82	40,239	68,849	68,849	25,79	20,82	11,89	21,81	33,80
San Gabán	138	28,61	24,53	19,69	40,239	68,849	68,849	24,53	19,69	11,89	20,81	32,80
Mazuc	138	28,61	24,34	19,29	40,239	68,849	68,849	24,34	19,29	11,89	20,59	32,79
Puerto Maldonado	138	28,61	27,44	20,73	40,239	68,849	68,849	27,44	20,73	11,89	22,07	34,06
Julica	138	28,61	26,02	20,97	40,239	68,849	68,849	26,02	20,97	11,89	21,98	33,97
Puno	138	28,61	26,02	20,98	40,239	68,849	68,849	26,02	20,98	11,89	21,98	33,97
Puno	220	28,61	25,97	20,95	40,239	68,849	68,849	25,97	20,95	11,89	21,95	33,94
Islati	138	28,61	26,08	21,17	40,239	68,849	68,849	26,08	21,17	11,89	22,14	34,14
Saltituro	220	28,61	25,77	20,83	40,239	68,849	68,849	25,77	20,83	11,89	21,89	33,88
Arcuaca	138	28,61	25,89	20,98	40,239	68,849	68,849	25,89	20,98	11,89	21,96	33,95
Cerro Verde	220	28,61	25,85	20,96	40,239	68,849	68,849	25,85	20,96	11,89	21,95	33,92
Cerro Verde	138	28,61	25,97	21,03	40,239	68,849	68,849	25,97	21,03	11,89	22,01	34,00
Repartición	138	28,61	26,13	21,08	40,239	68,849	68,849	26,13	21,08	11,89	22,09	34,08
Repartición	220	28,61	26,28	21,17	40,239	68,849	68,849	26,28	21,17	11,89	22,19	34,18
Moquegua	220	28,61	25,86	20,94	40,239	68,849	68,849	25,86	20,94	11,89	21,92	33,91
Moquegua	138	28,61	25,88	20,96	40,239	68,849	68,849	25,88	20,96	11,89	21,94	33,93
EL S	138	28,61	26,12	21,10	40,239	68,849	68,849	26,12	21,10	11,89	22,19	34,09
Bofilaca	138	28,61	26,03	21,09	40,239	68,849	68,849	26,03	21,09	11,89	22,07	34,06
Toquepala	138	28,61	26,08	21,13	40,239	68,849	68,849	26,08	21,13	11,89	22,12	34,11
Arizota	138	28,61	25,89	21,10	40,239	68,849	68,849	25,89	21,10	11,89	22,04	34,04
Arizota	66	28,61	25,81	21,09	40,239	68,849	68,849	25,81	21,09	11,89	22,03	34,02
Tarma (Los Héroes)	220	28,61	25,96	20,98	40,239	68,849	68,849	25,96	20,98	11,89	21,97	33,98
Tarma (Los Héroes)	66	28,61	25,06	21,01	40,239	68,849	68,849	25,06	21,01	11,89	22,03	34,01
La Nina	220	28,61	25,77	20,83	40,239	68,849	68,849	25,77	20,83	11,89	21,81	33,80
Cotahuasi	220	28,61	25,21	20,49	40,239	68,849	68,849	25,21	20,49	11,89	21,43	33,42
Cotahuasi	138	28,61	25,21	20,51	40,239	68,849	68,849	25,21	20,51	11,89	21,43	33,44
La Ramada	220	28,61	25,11	20,35	40,239	68,849	68,849	25,11	20,35	11,89	21,30	33,29
Lomera	220	28,61	25,16	20,48	40,2							

PEAJES DE CONEXIÓN AL SISTEMA PRINCIPAL DE TRANSMISIÓN (PCSPT)
VALORES BASE DE LOS PEAJES (Res. N° 067-2021-OS/CD y N° 143-2021-OS/CD)

Actualizado al 04/Enero/2022 con redondeo

Sistema de Transmisión		PCSPT + PTSPT (S/./kW-mes)		
		Valor Base (Res. Barra)	FAPCSPT	Actualizado
SPT de REP		3,243	1,0873	3,526
SPT de Egemsa		0,003	1,0820	0,003
SPT de San Gabán		0,004	1,0743	0,004
SPT de Antamina		0,006	1,0861	0,007
SPT de Etsevela		0,134	1,1026	0,148
SPT de Redesur		0,722	1,0873	0,785
SPT de Redesur (Adenda 8)		0,000	1,0873	0,000
SPT de Transmanto (Contrato BOOT, Addendum N° 5 y Addendum N° 10)		2,026	1,0873	2,203
SPT de Transmanto (Addendum N° 8)		0,631	1,0873	0,686
SPT de Transmanto (Ampliación Adicional 1)		0,045	1,0873	0,049
SPT de ISA (contrato BOOT, ampliación 1 y 2)		0,541	1,0873	0,588
SGT Línea Chilca -Zapallal (Tramos 1 y 2)		0,528	1,0873	0,574
SGT Líneas Carhuamayo - Cajamarca 220 kV (Tramos 1, 2, 3 y 4) y SVC-Cajamarca	LT 220 kV Carhuamayo-Paragsha y subestaciones asociadas –	0,083	1,0873	0,090
	L.T. Paragsha-Conococha y subestaciones asociadas – Tramo 2	0,114	1,0873	0,124
	Ampliación de la Subestación Cajamarca 220 kV – SVC	0,094	1,0873	0,102
	LT 220 kV Conococha-Huallanca y subestaciones asociadas –	0,214	1,0873	0,233
	LT 220 kV Huallanca-Cajamarca y subestaciones asociadas -	0,391	1,0873	0,425
SGT Línea Talara Piura 220 kV (2do circuito)		0,116	1,0873	0,126
SGT Línea Zapallal – Trujillo 500 kV		1,321	1,0873	1,436
SGT Línea Pomacocha - Carhuamayo 220 kV		0,120	1,0873	0,130
SGT Línea Socabaya - Tintaya 220 kV		0,328	1,0873	0,357
SGT Línea Chilca – Marcona –Montalvo 500 kV		2,417	1,0873	2,628
SGT Línea Carhuauquero- Cajamarca Norte- Cáclic- Moyobamba 220 kV (1)		0,830	1,0873	0,902
SGT Línea Machupicchu-Quencoro-Onocora-Tintaya 220 kV (1)		0,733	0,0000	0,000
SGT Línea Trujillo - Chiclayo 500 KV		0,790	1,0873	0,859
SGT Línea Machupicchu - Abancay - Cotaruse 220 kV (1)		0,580	1,0873	0,631
SGT Línea 500 kV Mantaro- Marcona-Socabaya-Montalvo y Subestaciones Asociadas (1)		2,055	1,0873	2,234
Subestacion Carapongo y enlaces de conexión (1er etapa)		0,312	1,0873	0,339
Refuerzo de Línea Trujillo - Chiclayo		0,043	1,0873	0,047
Subestacion Carapongo (Monto Complementario)		0,004	1,0873	0,004
Línea Aguaytia - Pucallpa (2 circuito)		0,066	1,0873	0,072
Línea Nueva Yanango - Nueva Huanuco 500 kV		0,848	0,0000	0,000
Línea Mantaro - Nueva Yanango - Carapongo 500 kV		1,036	0,0000	0,000
Línea Azangaro-Julica-Puno 220 kV		0,277	1,0873	0,301
Cargo Unitario por Compensación por Seguridad de Suministro (3)	No RF	0,287	1,0823	0,311
	RF de Talara	0,903	1,2735	1,150
	RF de Ilo	1,928	1,2702	2,449
	RF de Pucallpa	0,214	1,2850	0,275
	RF de Puerto Maldonado	0,123	1,2846	0,158
	RF de Puerto Eten	1,023	1,2033	1,231
Cargo por Prima	Cogeneración Paramonga	0,205	1,0341	0,212
	C.H. Santa Cruz II	0,082	0,8659	0,071
	C.H. Santa Cruz I	0,075	0,8800	0,066
	C.H. Poechos 2	0,127	0,9528	0,121
	C.H. Roncador	0,041	0,3171	0,013
	C.H. Carhuauquero IV	0,232	0,8966	0,208
	C.H. Caña Brava	0,063	1,1270	0,071
	C.H. La Joya	0,145	0,9034	0,131
	C.T. Huaycoloro	0,149	1,1007	0,164
	C. H. Purnacana	0,000	0,0000	0,000
	C.H. Huasahuasi I	0,108	0,9907	0,107
	C.H. Huasahuasi II	0,105	0,9714	0,102
	C.H. Nuevo Imperial	0,054	0,8704	0,047
	CS Repartición Solar 20T	0,417	1,1487	0,479
	CS Majes Solar 20T	0,418	1,1483	0,480
	CS Tacna Solar 20T	0,529	1,1418	0,604
	CS Panamericana Solar 20T	0,543	1,1381	0,618
	C.H. Yanapampa	0,054	0,8519	0,046
	C.H. Las Pizarras	0,236	0,9364	0,221
	C.E. Marcona	0,370	0,8946	0,331
	C.E. Talara	0,433	1,0254	0,444
	C.E. Cupisnique	1,042	0,9501	0,990
	C.H. Runatullo III	0,234	0,7692	0,180
	C.H. Runatullo II	0,183	0,7432	0,136
	CSF Moquegua FV	0,242	1,0661	0,258
	C.H. Canchayillo	0,035	0,8000	0,028
	C.T. La Gringa V	0,066	1,0909	0,072
	C.H. Chancay	0,308	0,8312	0,256
	C.H. Rucuy	0,099	0,6768	0,067
	C.E. Tres Hermanas	1,020	0,9225	0,941
	C.H. Potrero	0,183	0,7104	0,130
	C.H. Yarucaya	0,221	0,6923	0,153
	C.S. Rubi	0,715	0,6517	0,466
	C.H. Renovandes H1	0,279	0,8925	0,249
	C.S. Intipampa	0,190	0,6316	0,120
	C.E. Wayra I	0,500	0,2240	0,112
	C.B. Huaycoloro II	0,039	0,7949	0,031
	C.H. Angel I	0,105	0,6857	0,072
	C.H. Angel II	0,153	0,7320	0,112
	C.H. Angel III	0,127	0,7874	0,100
	C.H. Her	0,008	0,0000	0,000
	C.H. Carhuac	0,150	0,6733	0,101
	C.H. El Carmen	0,097	0,7113	0,069
	C.H. Zaña I	0,000	0,0000	0,000
	C.H. Manta	0,121	0,5868	0,071
	C.T. Callao	0,074	1,0676	0,079
	C.H. 8 de Agosto	0,158	0,2278	0,036
Cargo Unitario por FISE (3)		0,482	1,3071	0,630
Cargo Unitario por Capacidad de Generación Eléctrica - CT Puerto Bravo (8)		2,3210	1,1952	2,774
Cargo Unitario por Capacidad de Generación Eléctrica - CT Planta N° 2 Ilo (8)		1,9290	1,1835	2,283
Cargo Unitario por Compensación de la Confiabilidad en la Cadena de Suministro de Energía (4)		0,0200	0,0000	0,000
PCSPT =				40,239

Factores de Expansión de Pérdidas Medias Media Tension (Potencia y Energía)

Factores de Pérdidas en los Sistemas Secundarios de Transmisión por Áreas de Demanda según nivel de Tensión

Factor de Expansión de Pérdidas
(Establecido en la Resolución de Peajes Secundarios)

FPMdP

FPMdE

Área de Demanda	MAT	MAT/AT	AT	AT/MT	MAT	MAT/AT	AT	AT/MT
1	1,0004	1,0032	1,0131	1,0035	1,0004	1,0040	1,0131	1,0040
2	1,0000	1,0031	1,0113	1,0051	1,0000	1,0032	1,0103	1,0055
3	1,0023	1,0020	1,0109	1,0042	1,0021	1,0020	1,0091	1,0050
4	1,0139	1,0023	1,0084	1,0053	1,0118	1,0027	1,0077	1,0064
5	1,0009	1,0034	1,0297	1,0049	1,0007	1,0032	1,0230	1,0060
6	1,0020	1,0040	1,0059	1,0057	1,0017	1,0041	1,0048	1,0061
7	1,0006	1,0072	1,0046	1,0054	1,0007	1,0079	1,0044	1,0059
8	1,0013	1,0030	1,0233	1,0040	1,0007	1,0033	1,0159	1,0041
9	1,0035	1,0021	1,0085	1,0026	1,0025	1,0024	1,0071	1,0033
10	1,0021	1,0025	1,0094	1,0032	1,0047	1,0031	1,0124	1,0040
11	1,0004	1,0031	1,0130	1,0040	1,0007	1,0037	1,0192	1,0050
12	1,0036	1,0000	1,0000	1,0051	1,0027	1,0000	1,0000	1,0061
13	1,0000	1,0000	1,0100	1,0102	1,0000	1,0000	1,0095	1,0072
14	1,0000	1,0000	1,0037	1,0037	1,0000	1,0000	1,0031	1,0041

Factor de expansión de Pérdidas aplicable para expandir hasta MT
(acumulados calculados) (1/)

FPMdP

FPMdE

Área de Demanda	Desde MAT	Desde AT (1/)	Desde MT
1	1,0203	1,0166	1,0000
2	1,0196	1,0165	1,0000
3	1,0195	1,0151	1,0000
4	1,0302	1,0137	1,0000
5	1,0392	1,0347	1,0000
6	1,0177	1,0116	1,0000
7	1,0179	1,0100	1,0000
8	1,0318	1,0274	1,0000
9	1,0168	1,0111	1,0000
10	1,0173	1,0126	1,0000
11	1,0206	1,0171	1,0000
12	1,0087	1,0051	1,0000
13	1,0203	1,0203	1,0000
14	1,0074	1,0074	1,0000

Desde MAT	Desde AT (1/)	Desde MT
1,0216	1,0172	1,0000
1,0191	1,0159	1,0000
1,0183	1,0141	1,0000
1,0289	1,0141	1,0000
1,0332	1,0291	1,0000
1,0168	1,0109	1,0000
1,0190	1,0103	1,0000
1,0241	1,0201	1,0000
1,0154	1,0104	1,0000
1,0244	1,0164	1,0000
1,0288	1,0243	1,0000
1,0088	1,0061	1,0000
1,0168	1,0168	1,0000
1,0072	1,0072	1,0000