

PRECIOS EN BARRA DEL SEIN, PRECIOS EN BARRA Y PRECIOS EFECTIVOS DE SISTEMAS AISLADOS

TARIFAS EN BARRA (Res. N° 068-2020-OS/CD y 124-2020-OS/CD)

FIJACION AL 04/julio/2020

ACTUALIZADO AL 04/Febrero/2021 CON REDONDEO

	TENSIÓN kV	PMo S/AW-mes	PEMPo ctm. S/AW.h	PEMPo ctm. S/AW.h
Sistema Eléctrico Interconectado Nacional (SEIN) - Res. Barra (Cuadro 1)				
Zorritos	220	20.68	16.39	15.97
Talara	220	20.68	16.29	15.89
Piura Oeste	220	20.68	16.34	15.96
Chiclayo Oeste	220	20.68	16.20	15.82
Carhuazquero	220	20.68	15.94	15.63
Carhuazquero	138	20.68	15.95	15.64
Cutervo	138	20.68	16.11	15.74
Jeney	138	20.68	16.24	15.87
Guadalupe	220	20.68	16.20	15.85
Guadalupe	60	20.68	16.24	15.88
Cajamarca	220	20.68	15.92	15.62
Trujillo Norte	220	20.68	16.12	15.80
Chimbote 1	220	20.68	16.04	15.75
Chimbote 1	138	20.68	16.05	15.76
Paramonga Nueva	220	20.68	15.74	15.51
Paramonga Nueva	138	20.68	15.71	15.50
Paramonga Existente	138	20.68	15.64	15.45
Huachito	220	20.68	15.78	15.56
Zapallal	220	20.68	15.98	15.72
Ventanilla	220	20.68	16.02	15.76
Lima	220	20.68	16.03	15.76
Cantera	220	20.68	15.89	15.68
Chilca	220	20.68	15.85	15.62
Independencia	220	20.68	15.87	15.70
Ica	220	20.68	15.90	15.73
Marcona	220	20.68	15.83	15.66
Mantaro	220	20.68	15.36	15.16
Huayucachi	220	20.68	15.46	15.26
Pachachaca	220	20.68	15.53	15.34
Pomacocha	220	20.68	15.54	15.35
Huanacavelica	220	20.68	15.32	15.12
Callahuanca	220	20.68	15.75	15.56
Cajamarquilla	220	20.68	15.96	15.72
Huallanca	138	20.68	15.58	15.31
Vicosana	220	20.68	15.38	15.14
Tingo Maria	220	20.68	15.10	14.80
Aguaytia	220	20.68	14.96	14.65
Aguaytia	138	20.68	15.00	14.68
Aguaytia	22.9	20.68	14.99	14.67
Pucallpa	138	20.68	15.49	15.04
Pucallpa	60	20.68	15.51	15.04
Aucayacu	138	20.68	15.34	15.02
Toocache	138	20.68	15.59	15.26
Tingo Maria	138	20.68	15.35	14.75
Huainupo	138	20.68	15.26	14.83
Parashua II	138	20.68	15.19	14.97
Parashua II	220	20.68	15.17	14.95
Yauco	138	20.68	14.92	14.74
Yuncán	138	20.68	15.03	14.83
Yuncán	220	20.68	15.08	14.87
Oroya Nueva	220	20.68	15.20	15.08
Oroya Nueva	138	20.68	15.17	15.04
Oroya Nueva	50	20.68	15.18	15.05
Carhuamayo	138	20.68	15.17	14.97
Carhuamayo Nueva	220	20.68	15.16	14.95
Caripa	138	20.68	15.12	14.97
Desierto	220	20.68	15.89	15.71
Condorcocha	138	20.68	15.13	14.98
Condorcocha	44	20.68	15.13	14.98
Machupicchu	138	20.68	15.51	15.21
Cachimayo	138	20.68	15.97	15.62
Cusco	138	20.68	16.03	15.67
Combapata	138	20.68	16.28	15.91
Tintaya	138	20.68	16.49	16.16
Avayiri	138	20.68	16.34	15.96
Azángaro	138	20.68	16.23	15.84
San Gabán	138	20.68	15.58	15.23
Mazuco	138	20.68	16.06	15.53
Puerto Maldonado	138	20.68	17.31	15.84
Julica	138	20.68	16.36	15.94
Puno	138	20.68	16.36	15.94
Puno	220	20.68	16.33	15.92
Callalli	138	20.68	16.35	16.03
Santuario	138	20.68	16.18	15.87
Arequipa	138	20.68	16.26	15.92
Socolayba	220	20.68	16.24	15.91
Cerro Verde	138	20.68	16.30	15.95
Repartición	138	20.68	16.39	15.98
Mollendo	138	20.68	16.48	16.04
Moquegua	220	20.68	15.34	15.90
Moquegua	138	20.68	16.25	15.91
Ilo ELS	138	20.68	16.39	16.01
Bofilaca	138	20.68	16.34	16.00
Toquepala	138	20.68	16.37	16.03
Aricota	220	20.68	16.26	16.01
Aricota	66	20.68	16.20	15.95
Tacna (Los Héroes)	220	20.68	16.34	15.99
Tacna (Los Héroes)	66	20.68	16.43	15.99
La Nina	220	20.68	16.19	15.85
Cotacusi	220	20.68	15.83	15.55
Carabayillo	220	20.68	15.96	15.70
La Ramada	220	20.68	15.77	15.49
Lomera	220	20.68	15.91	15.66
Asia	220	20.68	15.87	15.64
Alto Praderas	220	20.68	15.96	15.69
La Planicie	220	20.68	15.97	15.71
Belaunde	138	20.68	16.05	15.69
Cadiz	220	20.68	15.99	15.65
Tintaya Nueva	220	20.68	16.47	16.14

	TENSIÓN	PPM	PEMP	PEMF	PCSPY	CPSEE	(PPM+PCSPY)	(PEMP+CPSEE)	(PEMF+CPSEE)	Potencia	Energía	Promedio
	kV	ctm. S/AW-mes	ctm. S/AW.h	ctm. S/AW.h	ctm. S/AW-mes	ctm. S/AW.h	ctm. S/AW-mes	ctm. S/AW.h	ctm. S/AW.h	ctm. S/AW.h	ctm. S/AW.h	ctm. S/AW.h
Sistema Eléctrico Interconectado Nacional (SEIN) - Res. Barra (Cuadro 1)												
Zorritos	220	21.14	16.73	16.30	39.936		61.08	16.73	16.30	10.64	16.39	27.02
Talara	220	21.14	16.63	16.22	39.936		61.08	16.63	16.22	10.64	16.30	26.94
Piura Oeste	220	21.14	16.68	16.29	39.936		61.08	16.68	16.29	10.64	16.37	27.00
Chiclayo Oeste	220	21.14	16.54	16.18	39.936		61.08	16.54	16.18	10.64	16.25	26.89
Carhuazquero	220	21.14	16.27	15.95	39.936		61.08	16.27	15.95	10.64	16.01	26.65
Carhuazquero	138	21.14	16.28	15.96	39.936		61.08	16.28	15.96	10.64	16.02	26.66
Cutervo	138	21.14	16.44	16.07	39.936		61.08	16.44	16.07	10.64	16.14	26.78
Jeney	138	21.14	16.58	16.20	39.936		61.08	16.58	16.20	10.64	16.28	26.91
Guadalupe	220	21.14	16.54	16.18	39.936		61.08	16.54	16.18	10.64	16.25	26.89
Guadalupe	60	21.14	16.58	16.21	39.936		61.08	16.58	16.21	10.64	16.28	26.92
Cajamarca	220	21.14	16.25	15.94	39.936		61.08	16.25	15.94	10.64	16.00	26.64
Trujillo Norte	220	21.14	16.45	16.08	39.936		61.08	16.45	16.13	10.64	16.19	26.83
Chimbote 1	220	21.14	16.37	16.08	39.936		61.08	16.37	16.08	10.64	16.14	26.77
Chimbote 1	138	21.14	16.38	16.09	39.936		61.08	16.38	16.09	10.64	16.15	26.78
Paramonga Nueva	220	21.14	16.07	15.83	39.936		61.08	16.07	15.83	10.64	15.88	26.52
Paramonga Nueva	138	21.14	16.04	15.82	39.936		61.08	16.04	15.82	10.64	15.86	26.50
Paramonga Existente	138	21.14	15.96	15.77	39.936		61.08	15.96	15.77	10.64	15.81	26.45
Huachito	220	21.14	16.11	15.88	39.936		61.08	16.11	15.88	10.64	15.93	26.56
Zapallal	220	21.14	16.31	16.05	39.936		61.08	16.31	16.05	10.64	16.10	26.74
Ventanilla	220	21.14	16.35	16.09	39.936		61.08	16.35	16.09	10.64	16.14	26.78
Lima	220	21.14	16.36	16.09	39.936		61.08	16.36	16.09	10.64	16.14	26.78
Cantera	220	21.14	16.22	16.00	39.936		61.08	16.22	16.00	10.64	16.08	26.68
Chilca	220	21.14	16.18	15.94	39.936		61.08	16.18	15.94	10.64	15.99	26.63
Independencia	220	21.14	16.20	16.02	39.936		61.08	16.20	16.02	10.64	16.06	26.69
Ica	220	21.14	16.23	16.06	39.936		61.08	16.23	16.06	10.64	16.09	26.73
Marcona	220	21.14	16.26	15.98	39.936		61.08	16.26	15.98	10.64	16.04	26.67
Mantaro	220	21.14	15.68	15.47	39.936		61.08	15.68	15.47	10.64	15.51	26.15
Huayucachi	220	21.14	15.78	15.58	39.936		61.08	15.78	15.58	10.64	15.62	26.26
Pachachaca	220	21.14	15.85	15.66	39.936		61.08	15.85	15.66	10.64	15.70	26.34
Pomacocha	220	21.14	15.86	15.67	39.936		61.08	15.86	15.67	10.64	15.71	26.35
Huanacavelica	220	21.14	15.84	15.64	39.936		61.08	15.84	15.64	10.64	15.68	26.32
Callahuanca	220	21.14	16.08	15.88	39.936		61.08	16.08	15.88	10.64	15.92	26.56
Cajamarquilla	220	21.14	16.29	16.05	39.936		61.08	16.29	16.05	10.64	16.10	26.74
Huallanca	138	21.14	15.90	15.63	39.936		61.08	15.90	15.63	10.64	15.68	26.32
Vicosana	220	21.14	15.38	15.14	39.936		61.08	15.38	15.14	10.64	15.50	26.14
Tingo Maria	220	21.14	15.41	15.11	39.936		61.08	15.41	15.11	10.64	15.17	25.81
Aguaytia	220	21.14	15.27	14.95	39.936		61.08	15.27	14.95	10.64	15.01	25.65
Aguaytia	138	21.14	15.31	14.98	39.936		61.08	15.31	14.98	10.64	15.05	25.68
Pucallpa	22.9	21.14	15.30	14.97	39.936		61.08	15.30	14.97	10.64	15.04	25.67
Pucallpa	138	21.14	15.81	15.35	39.936	1.4631	61.08	15.81	15.35	10.64	15.44	26.08
Pucallpa	60	21.14	15.83	15.35	39.936		61.08	17.29	16.81	10.64	16.91	27.54
Aucayacu	138	21.14	15.66	15.33	39.936		61.08	15.66	15.33	10.64	15.40	26.03
Toocache	138	21.14	15.91	15.58	39.936		61.08	15.91	15.58	10.64	15.65	26.28
Tingo Maria	138	21.14	15.36	15.06	39.936		61.08	15.36	15.06	10.64	15.12	25.76
Huainupo	138	21.14	15.26	14.96	39.936		61.08	15.26	14.96	10.64	15.32	25.96
Parashua II	138	21.14	15.50	15.28	39.936		61.08	15.50	15.28	10.64	15.32	25.96
Parashua II	220	21.14	15.48	15.26	39.936		61.08	15.48	15.26	10.64	15.30	25.94
Yauco	138	21.14	15.23	15.05	39.936		61.08	15.23	15.05	10.64	15.09	25.72
Yuncán	138	21.14	15.34	15.14	39.936		61.08	15.34	15.14	10.64	15.18	25.82
Yuncán	220	21.14	15.39	15.18	39.936		61.08	15.39	15.18	10.64	15.22	25.86
Oroya Nueva	220	21.14	15.51	15.39	39.936		61.08	15.51	15.39	10.64	15.41	26.05
Oroya Nueva	138	21.14	15.48	15.35	39.936		61.08	15.48	15.35	10.64	15.38	26.01
Oroya Nueva	60	21.14	15.49	15.36	39.936		61.08	15.49	15.36	10.64	15.39	26.02
Carhuamayo	138	21.14	15.48	15.28	39.936		61.08	15.48	15.28	10.64	15.32	25.96
Carhuamayo Nueva	220	21.14	15.47	15.26	39.936		61.08	15.47	15.26	10.64	15.30	25.94
Caripa	138	21.14	15.43	15.28	39.936		61.08	15.43	15.28	10.64	15.31	25.95
Castro	220	21.14	16.22	16.04	39.936		61.08	16.22	16.04	10.64	16.08	26.71
Condorocha	220	21.14	15.44	15.29	39.936		61.08	15.44	15.29	10.64	15.32	25.96
Condorocha	44	21.14	15.44	15.29	39.936		61.08	15.44	15.29	10.64	15.32	25.96
Madripicchu	138	21.14	15.83	15.52	39.936		61.08	15.83	15.52	10.64	15.58	26.22
Cachiyari	138	21.14	16.30	15.94	39.936		61.08	16.30	15.94	10.64	16.01	26.65
Lusco	138	21.14	16.36	15.99	39.936		61.08	16.36	15.99	10.64	16.06	26.68
Comapalta	138	21.14	16.62	16.24	39.936		61.08	16.62	16.24	10.64	16.32	26.95
Tintaya	138	21.14	16.83	16.49	39.936		61.08	16.83	16.49	10.64	16.56	27.19
Yayavi	138	21.14	16.68	16.29	39.936		61.08	16.68	16.29	10.64	16.37	27.00
Andagaro	138	21.14	16.57	16.17	39.936		61.08	16.57	16.17	10.64	16.25	26.89
San Gabán	138	21.14	16.58	16.18	39.936		61.08	16.58	16.18	10.64	16.30	26.90
Mazuco	138	21.14	16.39	15.85	39.936		61.08	16.39	15.85	10.64	15.96	26.59
Puerto Maldonado	138	21.14	17.67	16.17	39.936		61.08	17.67	16.17	10.64	16.47	27.11
Juliaca	138	21.14	16.70	16.27	39.936		61.08	16.70	16.27	10.64	16.36	26.99
Puno	138	21.14	16.70	16.27	39.936		61.08	16.70	16.27	10.64	16.36	26.99
Puno	220	21.14	16.67	16.25	39.936		61.08	16.67	16.25	10.64	16.33	26.97
Callalli	138	21.14	16.69	16.36	39.936		61.08	16.69	16.36	10.64	16.43	27.06
San Antonio	138	21.14	16.51	16.20	39.936		61.08	16.51	16.20	10.64	16.26	26.90
Arequipa	138	21.14	16.60	16.25	39.936		61.08	16.60	16.25	10.64	16.32	26.96
Acobamba	220	21.14	16.58	16.24	39.936		61.08	16.58	16.24	10.64	16.31	26.94
Cerro Verde	138	21.14	16.64	16.28	39.936		61.08	16.64	16.28	10.64	16.35	26.99
Reparación	138	21.14	16.73	16.31	39.936		61.08	16.73	16.31	10.64	16.39	27.03
Mollendo	138	21.14	16.62	16.37	39.936		61.08	16.62	16.37	10.64	16.46	27.10
Choquevaya	138	21.14	16.23	15.93	39.936		61.08	16.23	15.93	10.64	16.23	26.94
Moquevalle	138	21.14	16.59	16.24	39.936		61.08	16.59	16.24	10.64	16.31	26.95
Illo ELS	138	21.14	16.73	16.34	39.936		61.08	16.73	16.34	10.64	16.42	27.05
Botifacia	138	21.14	16.68	16.33	39.936		61.08	16.68	16.33	10.64	16.40	27.04
Toquepala	138	21.14	16.71	16.36	39.936		61.08	16.71	16.36	10.64	16.43	27.07
Trujillo	138	21.14	16.60	16.34	39.936		61.08	16.60	16.34	10.64	16.39	27.03
Aricota	66	21.14	16.54	16.32	39.936	0.4629	61.08	17.00	17.78	10.64	16.82	27.46
Tacna (Los Héroes)	220	21.14	16.68	16.28	39.936		61.08	16.68	16.28	10.64	16.36	27.00
Tacna (Los Héroes)	66	21.14	16.77	16.32	39.936	0.4629	61.08	17.23	17.78	10.64	16.87	27.51
Ta. Nina	220	21.14	16.53	16.17	39.936		61.08	16.53	16.18	10.64	16.25	26.89
Cotacusi	220	21.14	16.17	15.87	39.936		61.08	16.17	15.87	10.64	15.83	26.67
Carabavil	220	21.14	16.29	16.02	39.936		61.08	16.29	16.02	10.64	16.07	26.71
La Ramada	220	21.14	16.10	15.81	39.936		61.08	16.10	15.81	10.64	15.87	26.50
Lomera	220	21.14	16.24	15.98	39.936		61.08	16.24	15.98	10.64	16.03	26.67
Lima	220	21.14	16.20	15.96	39.936		61.08	16.20	15.96	10.64	16.01	26.65
Alto Praderas	220	21.14	16.29	16.01	39.936		61.08	16.29	16.01	10.64	16.07	26.70
La Planicie	220	21.14	16.30	16.04	39.936		61.08	16.30	16.04	10.64	16.09	26.73
Belaunde	138	21.14	16.38	16.01	39.936		61.08	16.38				

PRECIO A NIVEL DE GENERACIÓN

VALORES BASE DEL PNG (Resolución 009-2021-OS/CD)**FIJACIÓN AL 04/02/2021**

ACTUALIZADO AL 04/Febrero/2021 CON REDONDEO

	TENSION kV	PPI/MW kW/S/mes	PEMP cm ² /S/A/h	PEMF cm ² /S/A/h	TENSION kV	PRM S/A/W-mes	PEMP cm ² /S/A/h	PEMF cm ² /S/A/h	PCSP† S/A/W-mes	CPSEE cm ² /S/A/h	(PPH+PCSP)† S/A/W-mes	(PEMP + CPSEE) cm ² /S/A/h	(PEMF + CPSEE)† cm ² /S/A/h	Potencia km ² /S/A/h	Energía km ² /S/A/h	Promedio km ² /S/A/h
Sistema Eléctrico Interconectado Nacional (SEN - Res. Barra Cuadro I)																
Zorritos	220	24.34	23.54	19.22	220	24.34	23.54	19.22	39.936	64.276	23.54	19.22	11.19	20.88	31.27	
Pura Oeste	220	24.34	23.39	19.12	220	24.34	23.39	19.12	39.936	64.276	23.39	19.12	11.19	20.88	31.16	
Chichayo Oeste	220	24.34	23.28	19.08	220	24.34	23.28	19.08	39.936	64.276	23.28	19.08	11.19	20.88	31.24	
Carhuazqueño	220	24.34	22.92	18.83	220	24.34	22.92	18.83	39.936	64.276	22.92	18.83	11.19	20.88	30.84	
Curahuasi	138	24.34	18.84		138	24.34	18.84		39.936	64.276	18.84		11.19	19.79	30.85	
Cutervo	138	24.34	23.15	18.95	138	24.34	23.15	18.95	39.936	64.276	23.15	18.95	11.19	19.79	30.98	
Jain	138	24.34	23.34	19.10	138	24.34	23.34	19.10	39.936	64.276	23.34	19.10	11.19	19.94	31.14	
Gualdape	220	24.34	23.27	19.08	220	24.34	23.27	19.08	39.936	64.276	23.27	19.08	11.19	20.88	31.11	
Guadalupe	60	24.34	23.33	19.11	60	24.34	23.33	19.11	39.936	64.276	23.33	19.11	11.19	19.94	31.14	
Cajamarca	220	24.34	22.90	18.81	220	24.34	22.90	18.81	39.936	64.276	22.90	18.81	11.19	19.82	31.02	
Trujillo Norte	220	24.34	23.16	19.02	220	24.34	23.16	19.02	39.936	64.276	23.16	19.02	11.19	19.94	31.08	
Chimbote I	220	24.34	23.06	18.96	220	24.34	23.06	18.96	39.936	64.276	23.06	18.96	11.19	19.86	31.07	
Chimbote II	138	24.34	23.07	18.97	138	24.34	23.07	18.97	39.936	64.276	23.07	18.97	11.19	19.79	30.98	
Paramonga Nueva	220	24.34	22.64	18.69	220	24.34	22.64	18.69	39.936	64.276	22.64	18.69	11.19	19.69	30.67	
Paramonga Vieja	220	24.34	22.61	18.68	220	24.34	22.61	18.68	39.936	64.276	22.61	18.68	11.19	19.69	30.66	
Paramonga Existente	138	24.34	22.51	18.63	138	24.34	22.51	18.63	39.936	64.276	22.51	18.63	11.19	19.60	30.63	
Huacho	220	24.34	22.69	18.75	220	24.34	22.69	18.75	39.936	64.276	22.69	18.75	11.19	19.93	30.70	
Zapallal	220	24.34	22.98	19.03	220	24.34	22.98	19.03	39.936	64.276	22.98	19.03	11.19	19.74	30.93	
Ventanilla	220	24.34	18.97		220	24.34	18.97		39.936	64.276	18.97		11.19	20.07	31.01	
Lima	220	24.34	23.04	19.98	220	24.34	23.04	19.98	39.936	64.276	23.04	19.98	11.19	19.79	30.98	
Cantera	220	24.34	22.85	18.89	220	24.34	22.85	18.89	39.936	64.276	22.85	18.89	11.19	19.69	30.87	
Ochaco	220	24.34	22.80	18.81	220	24.34	22.80	18.81	39.936	64.276	22.80	18.81	11.19	19.60	30.80	
Independencia	220	24.34	22.83	18.91	220	24.34	22.83	18.91	39.936	64.276	22.83	18.91	11.19	19.69	30.87	
Ica	220	24.34	22.87	18.94	220	24.34	22.87	18.94	39.936	64.276	22.87	18.94	11.19	19.72	30.92	
Marcona	220	24.34	22.90	18.86	220	24.34	22.90	18.86	39.936	64.276	22.90	18.86	11.19	19.66	30.86	
Mariato	220	24.34	22.13	18.29	220	24.34	22.13	18.29	39.936	64.276	22.13	18.29	11.19	19.28	30.64	
Huaycachi	220	24.34	22.27	18.41	220	24.34	22.27	18.41	39.936	64.276	22.27	18.41	11.19	19.38	30.71	
Pachacachi	220	24.34	22.35	18.50	220	24.34	22.35	18.50	39.936	64.276	22.35	18.50	11.19	19.27	30.46	
Panamoccha	220	24.34	22.37	18.51	220	24.34	22.37	18.51	39.936	64.276	22.37	18.51	11.19	19.28	30.47	
Huancavelica	220	24.34	22.34	18.47	220	24.34	22.34	18.47	39.936	64.276	22.34	18.47	11.19	19.24	30.43	
Callahuasi	220	24.34	22.66	18.75	220	24.34	22.66	18.75	39.936	64.276	22.66	18.75	11.19	19.53	30.72	
Cajamarquilla	220	24.34	22.95	18.93	220	24.34	22.95	18.93	39.936	64.276	22.95	18.93	11.19	19.73	30.92	
Huallanca	138	24.34	22.43	18.47	138	24.34	22.43	18.47	39.936	64.276	22.43	18.47	11.19	19.45	30.46	
Viccanza	220	24.34	22.16	18.27	220	24.34	22.16	18.27	39.936	64.276	22.16	18.27	11.19	19.04	30.24	
Tinco Mayor	220	24.34	21.77	17.89	220	24.34	21.77	17.89	39.936	64.276	21.77	17.89	11.19	18.66	29.88	
Aguyalla	220	24.34	21.58	17.72	220	24.34	21.58	17.72	39.936	64.276	21.58	17.72	11.19	18.49	29.66	
Aguaylla	138	24.34	21.63	17.73	138	24.34	21.63	17.73	39.936	64.276	21.63	17.73	11.19	18.57	29.72	
Aguyalla	22.9	24.34	21.61	17.73	22.9	24.34	21.61	17.73	39.936	64.276	21.61	17.73	11.19	18.50	29.70	
Pucallpa	138	24.34	22.31	18.15	138	24.34	22.31	18.15	39.936	64.276	22.31	18.15	11.19	18.88	30.17	
Pucallpa	60	24.34	22.33	18.15	60	24.34	22.33	18.15	39.936	1.4631	22.33	18.15	11.19	20.05	30.65	
Aucayacu	138	24.34	22.10	18.13	138	24.34	22.10	18.13	39.936	64.276	22.10	18.13	11.19	18.92	30.11	
Toache	138	24.34	22.44	18.41	138	24.34	22.44	18.41	39.936	64.276	22.44	18.41	11.19	19.21	30.41	
Tinco Mayor	138	24.34	21.71	17.83	138	24.34	21.71	17.83	39.936	64.276	21.71	17.83	11.19	18.60	29.83	
Huancayo	138	24.34	21.89	18.08	138	24.34	21.89	18.08	39.936	64.276	21.89	18.08	11.19	18.84	30.03	
Parangilla II	138	24.34	21.89	18.08	138	24.34	21.89	18.08	39.936	64.276	21.89	18.08	11.19	18.84	30.03	
Parangilla	220	24.34	21.86	18.05	220	24.34	21.86	18.05	39.936	64.276	21.86	18.05	11.19	18.81	30.01	
Yupac	220	24.34	21.53	17.73	220	24.34	21.53	17.73	39.936	64.276	21.53	17.73	11.19	18.55	29.74	
Yuncay	138	24.34	21.67	17.92	138	24.34	21.67	17.92	39.936	64.276	21.67	17.92	11.19	18.67	29.86	
Yuncay	220	24.34	21.74	17.97	220	24.34	21.74	17.97	39.936	64.276	21.74	17.97	11.19	18.72	29.91	
Oroya Nueva	220	24.34	21.91	18.20	220	24.34	21.91	18.20	39.936	64.276	21.91	18.20	11.19	18.84	30.13	
Oroya Nueva	138	24.34	21.87	18.15	138	24.34	21.87	18.15	39.936	64.276	21.87	18.15	11.19	18.79	30.08	
Oroya Nueva	50	24.34	21.88	18.17	50	24.34	21.88	18.17	39.936	64.276	21.88	18.17	11.19	18.81	30.03	
Carhuayama	138	24.34	21.86	18.08	138	24.34	21.86	18.08	39.936	64.276	21.86	18.08	11.19	18.83	30.03	
Carhuayama Nueva	220	24.34	21.86	18.05	220	24.34	21.86	18.05	39.936	64.276	21.86	18.05	11.19	18.82	30.01	
Cercas	220	24.34	21.80	18.08	220	24.34	21.80	18.08	39.936	64.276	21.80	18.08	11.19	18.82	30.01	
Desierto	220	24.34	22.86	18.91	220	24.34	22.86	18.91	39.936	64.276	22.86	18.91	11.19	19.70	30.89	
Condorchocha	138	24.34	21.81	18.09	138	24.34	21.81	18.09	39.936	64.276	21.81	18.09	11.19	18.83	30.02	
Condorchocha	41	24.34	21.80	18.08	41	24.34	21.80	18.08	39.936	64.276	21.80	18.08	11.19	18.83	30.02	
Machupichu	138	24.34	22.33	18.35	138	24.34	22.33	18.35	39.936	64.276	22.33	18.35	11.19	19.14	30.34	
Cachimayo	138	24.34	22.96	18.82	138	24.34	22.96	18.82	39.936	64.276	22.96	18.82	11.19	19.64	30.80	
Cusco	138	24.34	23.05	18.87	138	24.34	23.05	18.87	39.936	64.276	23.05	18.87	11.19	19.70	30.84	
Combapata	220	24.34	23.39	19.15	220	24.34	23.39	19.15	39.936	64.276	23.39	19.15	11.19	19.79	30.89	
Tintaya	138	24.34	23.68	19.43	138	24.34	23.68	19.43	39.936	64.276	23.68	19.43	11.19	20.05	31.24	
Ayewi	138	24.34	23.46	19.20	138	24.34	23.46	19.20	39.936	64.276	23.46	19.20	11.19	20.28	31.47	
Changray	138	24.34	23.32	19.06	138	24.34	23.32	19.06	39.936	64.276	23.32	19.06	11.19	20.16	31.23	
San Gabán	138	24.34	22.43	18.38	138	24.34	22.43	18.38	39.936	64.276	22.43	18.38	11.19	19.19	30.38	
Mazuco	138	24.34	23.09	18.71	138	24.34	23.09	18.71	39.936	64.276	23.09	18.71	11.19	19.58	30.78	
Puerto Maldonado	138	24.34	24.80	19.07	138	24.34	24.80	19.07	39.936	64.276	24.80	19.07	11.19	20.21	31.44	
Lilica	138	24.34	23.49	19.18	138	24.34	23.49	19.18	39.936	64.276	23.49	19.18	11.19	20.02	31.23	
Puno	138	24.34	23.49	19.18	138	24.34	23.49	19.18	39.936	64.276	23.49	19.18	11.19	20.02	31.23	
Puno	220	24.34	23.45	19.16	220	24.34	23.45	19.16	39.936	64.276	23.45	19.16	11.19	20.01	31.21	
Puno	138	24.34	23.46	19.20	138	24.34	23.46	19.20	39.936	64.276	23.46	19.20	11.19	20.02	31.21	
Santuario	138	24.34	23.25	19.10	138	24.34	23.25	19.10	39.936	64.276	23.25	19.10	11.19	19.93	31.10	
Arequipa	138	24.34	23.35	19.16	138	24.34	23.35	19.16	39.936	64.276	23.35	19.16	11.19			

PEAJES DE CONEXIÓN AL SISTEMA PRINCIPAL DE TRANSMISIÓN (PCSPT)
VALORES BASE DE LOS PEAJES (Res. 068-2020-OS/CD y Res. 010-2021-OS/CD)

Actualizado al 04/Febrero/2021 con redondeo

Sistema de Transmisión		PCSPT + PTSPT (S/kW-mes)		
		Valor Base (Res. Barra)	FAPCSPT	Actualizado
SPT de REP		3.629	1.0288	3.734
SPT de REP (Ampliación 20.1)		0.032	1.0529	0.034
SPT de REP (Ampliación 20.2)		0.025	1.0529	0.026
SPT de REP (Ampliación 20.3)		0.050	1.0529	0.053
SPT de REP (Ampliación 20.4)		0.027	1.0529	0.028
SPT de REP (Ampliación 20.5)		0.017	1.0529	0.018
SPT de Egemsa		0.003	1.0165	0.003
SPT de San Gabán		0.004	1.0114	0.004
SPT de Antamina		0.005	1.0127	0.005
SPT de Etsevela		0.127	1.0196	0.129
SPT de Redesur		0.730	1.0288	0.751
SPT de Redesur (Adenda 8)		0.048	1.0288	0.049
SPT de Transmataro (Contrato BOOT, Addendum N° 5 y Addendum N° 10)		2.047	1.0288	2.106
SPT de Transmataro (Addendum N° 8)		0.635	1.0288	0.653
SPT de Transmataro (Ampliación Adicional 1)		0.044	1.0288	0.045
SPT de ISA (contrato BOOT, ampliación 1 y 2)		0.523	1.0288	0.538
SGT Línea Chilca - Zapallal (Tramos 1 y 2)		0.533	1.0288	0.548
SGT Líneas Carhuamayo - Cajamarca 220 kV (Tramos 1, 2, 3 y 4) y SVC-Cajamarca	LT 220 kV Carhuamayo-Paraisha v subestaciones asociadas -	0.084	1.0288	0.086
	L.T. Paraisha-Conococha v subestaciones asociadas - Tramo 2	0.110	1.0288	0.113
	Ampliación de la Subestación Cajamarca 220 kV - SVC	0.095	1.0288	0.098
	LT 220 kV Conococha-Huallanca v subestaciones asociadas -	0.214	1.0288	0.220
	LT 220 kV Huallanca-Cajamarca v subestaciones asociadas -	0.393	1.0288	0.404
SGT Línea Talara Piura 220 kV (2do circuito)		0.117	1.0288	0.120
SGT Línea Zapallal - Trujillo 500 kV		1.335	1.0288	1.373
SGT Línea Pomacocha - Carhuamayo 220 kV		0.115	1.0288	0.118
SGT Línea Socabaya - Tintaya 220 kV		0.328	1.0288	0.337
SGT Línea Chilca - Marcona - Montalvo 500 kV		2.428	1.0288	2.498
SGT Línea Carhuacuero - Cajamarca Norte - Cálclis - Moyobamba 220 kV (1)		0.837	1.0288	0.861
SGT Línea Machupicchu - Quenocoro - Onocora - Tintaya 220 kV (1)		0.753	0.0000	0.000
SGT Línea Trujillo - Chiclayo 500 kV		0.790	1.0288	0.813
SGT Línea Machupicchu - Abancay - Cotaruse 220 kV (1)		0.580	1.0288	0.597
SGT Línea 500 kV Mantaro - Marcona - Socabaya - Montalvo y Subestaciones Asociadas (1)		2.073	1.0288	2.133
Subestación Carapongo y enlaces de conexión (1er etapa)		0.318	1.0288	0.327
Refuerzo de Línea Trujillo - Chiclayo		0.044	1.0288	0.045
Subestación Carapongo (Monto Complementario)		0.004	1.0288	0.004
Línea Aguaytia - Pucallpa (2 circuito)		0.066	0.0000	0.000
Línea Azangaro - Juliaca - Puno 220 kV		0.282	1.0288	0.290
Cargo Unitario por Compensación por Seguridad de Suministro (3)	No RF	0.289	1.1557	0.334
	RF de Talara	0.902	1.0510	0.948
	RF de Ilo	1.973	1.0304	2.033
	RF de Pucallpa	0.219	1.0411	0.228
	RF de Puerto Maldonado	0.127	1.0315	0.131
Cargo Unitario por CVOA-CMg			0.0000	0.000
			0.0000	0.000
Cargo Unitario por CVOA-RSC			0.0000	0.000
			0.0000	0.000
Cargo por Prima	Cogeneración Paramonga	0.195	0.9080	0.177
	C.H. Santa Cruz II	0.087	1.0460	0.091
	C.H. Santa Cruz I	0.075	1.0530	0.079
	C.H. Poechos 2	0.131	0.7630	0.100
	C.H. Roncador	0.049	0.0000	0.000
	C.H. Carhuacuero IV	0.250	0.9640	0.241
	C.H. Caña Brava	0.071	0.9440	0.067
	C.H. La Joya	0.158	0.9430	0.149
	C.T. Huaycoloro	0.149	1.0270	0.153
	C. H. Purmacana	0.000	0.0000	0.000
	C.H. Huasahuasi I	0.116	0.8970	0.104
	C.H. Huasahuasi II	0.115	0.8610	0.099
	C.H. Nuevo Imperial	0.055	1.1090	0.061
	CS Repartición Solar 20T	0.481	0.9460	0.455
	CS Majes Solar 20T	0.482	0.9500	0.458
	CS Tacna Solar 20T	0.532	1.0680	0.568
	CS Panamericana Solar 20T	0.556	1.0860	0.604
	C.H. Yanapampa	0.057	0.9120	0.052
	C.H. Las Pizarras	0.268	0.9440	0.253
	C.E. Marcona	0.392	1.1350	0.445
	C.E. Talara	0.553	0.8770	0.485
	C.E. Cupisnique	1.164	1.0280	1.197
	C.H. Runatullo III	0.246	0.0000	0.000
	C.H. Runatullo II	0.197	0.9490	0.187
	CSF Moquegua FV	0.258	0.9650	0.249
	C.H. Canchayillo	0.041	1.0240	0.042
	C.T. La Gringa V	0.066	0.7580	0.050
	C.H. Chancay	0.326	1.0280	0.335
	C.H. Rucuy	0.128	1.4840	0.190
	C.E. Tres Hermanas	1.157	1.1040	1.277
	C.H. Potrero	0.247	0.0000	0.000
	C.H. Yarucaya	0.222	1.1040	0.245
	C.S. Rubi	0.710	1.0650	0.756
	C.H. Renovandes H1	0.281	0.9750	0.274
	C.S. Intipampa	0.184	1.0160	0.187
	C.E. Wayra I	0.482	1.0060	0.485
	C.B. Huaycoloro II	0.042	0.8330	0.035
	C.H. Angel I	0.167	0.0000	0.000
	C.H. Angel II	0.156	0.0000	0.000
	C.H. Angel III	0.152	0.0000	0.000
	C.H. Her	0.010	0.8000	0.008
	C.H. Carhuac	0.174	0.9080	0.158
	C.H. El Carmen	0.142	0.5700	0.081
	C.H. Zaña 1	0.709	0.0000	0.000
	C.H. 8 de Agosto	0.398	0.4370	0.174
Cargo Unitario por FISE (3)		0.494	1.1235	0.555
Cargo Unitario por CASEsi		0.000	0.0000	0.000
Cargo Unitario por CASEge (5)		0.000	0.0000	0.000
Cargo Unitario por Generación Adicional (6)	Usuarios Regulados	0.000	0.0000	0.000
Cargo Unitario por Capacidad de Generación Eléctrica - CT Puerto Bravo (8)		2.4660	1.0284	2.536
Cargo Unitario por Capacidad de Generación Eléctrica - CT Planta N° 2 Ilo (8)		2.1020	1.0033	2.109
Cargo Unitario por Compensación de la Confiabilidad en la Cadena de Suministro de Energía (4)		0.2160	1.0815	0.234
PCSPT =				39.936

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	1,0000	1,0031	1,0174	1,0029	1,0000	1,0035	1,0168	1,0034
2	1,0000	1,0034	1,0128	1,0047	1,0000	1,0036	1,0089	1,0043
3	1,0035	1,0047	1,0117	1,0025	1,0031	1,0045	1,0103	1,0029
4	1,0212	1,0037	1,0129	1,0031	1,0139	1,0032	1,0073	1,0041
5	1,0007	1,0043	1,0246	1,0046	1,0005	1,0043	1,0149	1,0047
6	1,0014	1,0045	1,0054	1,0059	1,0012	1,0044	1,0043	1,0064
7	1,0022	1,0081	1,0069	1,0056	1,0023	1,0087	1,0067	1,0062
8	1,0000	1,0033	1,0171	1,0039	1,0000	1,0034	1,0233	1,0044
9	1,0021	1,0050	1,0122	1,0046	1,0023	1,0063	1,0138	1,0063
10	1,0065	1,0039	1,0126	1,0035	1,0013	1,0034	1,0053	1,0039
11	1,0011	1,0047	1,0047	1,0063	1,0012	1,0056	1,0043	1,0047
12	1,0002	1,0033	1,0000	1,0004	1,0003	1,0047	1,0000	1,0008
13	1,0000	1,0000	1,0121	1,0057	1,0000	1,0000	1,0088	1,0057
14	1,0000	1,0000	1,0039	1,0060	1,0000	1,0000	1,0032	1,0055

Nota: Factores de Pérdidas Medias Individuales con la Res. 129-2017-OS/CD

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	1,0235	1,0204	1,0000
2	1,0210	1,0176	1,0000
3	1,0226	1,0142	1,0000
4	1,0414	1,0160	1,0000
5	1,0345	1,0293	1,0000
6	1,0173	1,0113	1,0000
7	1,0230	1,0125	1,0000
8	1,0244	1,0211	1,0000
9	1,0241	1,0169	1,0000
10	1,0267	1,0161	1,0000
11	1,0169	1,0110	1,0000
12	1,0039	1,0004	1,0000
13	1,0179	1,0179	1,0000
14	1,0099	1,0099	1,0000

Desde MAT	Desde AT (1/)	Desde MT
1,0238	1,0203	1,0000
1,0169	1,0132	1,0000
1,0209	1,0132	1,0000
1,0288	1,0114	1,0000
1,0246	1,0197	1,0000
1,0164	1,0107	1,0000
1,0241	1,0129	1,0000
1,0313	1,0278	1,0000
1,0290	1,0202	1,0000
1,0140	1,0092	1,0000
1,0159	1,0090	1,0000
1,0058	1,0008	1,0000
1,0146	1,0146	1,0000
1,0087	1,0087	1,0000