

ANEXO J

CALCULO DE FACTORES DE PERDIDAS

Se adjunta en medio magnético:

- **Cuadro J-1:** Factores de perdidas de potencia y energía.
- **Cuadro J-2:** Contiene el despacho de generación utilizado en el cálculo de factores de perdidas de potencia.
- **MAX550D.FLS y MAX550D.QLS:** Archivos winflu con los cálculos de factores de pérdidas de potencia.

**Cuadro J-1
FACTORES DE PÉRDIDAS**

BARRAS BASE	ENERGIA		
	POTENCIA Base Santa Rosa	Base Santa Rosa	
		Punta	Fuera Punta
Talara	1.1363	0.9411	1.0277
Piura Oeste	1.1202	0.9456	1.0297
Chiclayo Oeste	1.0540	0.9410	1.0182
Guadalupe 220	1.0344	0.9437	1.0182
Guadalupe 60	1.0331	0.9443	1.0194
Trujillo Norte	1.0128	0.9430	1.0135
Chimbote 1	0.9833	0.9337	1.0028
Paramonga	0.9769	0.9462	0.9843
Huacho	0.9833	0.9588	0.9894
Zapallal	0.9916	0.9779	0.9885
Ventanilla	0.9959	0.9827	0.9974
Chavarría	0.9990	0.9891	0.9992
Santa Rosa	1.0000	1.0000	1.0000
San Juan	1.0027	1.0035	1.0018
Independencia	0.9700	0.9573	0.9883
Ica	0.9851	0.9644	0.9949
Marcona	1.0154	0.9772	1.0075
Mantaro	0.9074	0.8866	0.9545
Huayucachi	0.9296	0.9103	0.9634
Pachachaca	0.9505	0.8901	0.9764
Huancavelica	0.9239	0.9059	0.9638
Callahuanca ELP	0.9663	0.9107	0.9843
Cajamarquilla	0.9895	0.9605	0.9950
Huallanca 138	0.8973	0.8935	0.9715
Vizcarra	0.9651	0.9249	0.9733
Tingo María 220	0.9198	0.8988	0.9475
Aguaytía 220	0.8966	0.8882	0.9361
Pucallpa 60	0.9406	0.8996	0.9440
Tingo María 138	0.9170	0.8917	0.9440
Huánuco 138	0.9464	0.9026	0.9601
Paragsha II 138	0.9588	0.9022	0.9677
Oroya Nueva 220	0.9541	0.8943	0.9756
Oroya Nueva 50	0.9595	0.8967	0.9818
Carhuamayo 138	0.9234	0.8903	0.9592
Caripa 138	0.9544	0.8945	0.9678
Machupicchu	0.7557	0.7883	0.8584
Cachimayo	0.8061	0.8120	0.8850
Dolorespata	0.8037	0.8143	0.8866
Quencoro	0.8028	0.8143	0.8867
Combapata	0.8273	0.8353	0.9118
Tintaya	0.8513	0.8585	0.9405
Ayaviri	0.8223	0.8433	0.9252
Azángaro	0.8067	0.8360	0.9170
Juliaca	0.8638	0.8673	0.9432
Puno 138	0.8824	0.8772	0.9539
Puno 220	0.8836	0.8787	0.9557
Callalli	0.8666	0.8714	0.9518
Santuario	0.8776	0.8795	0.9580
Socabaya 138	0.8951	0.8851	0.9630
Socabaya 220	0.8946	0.8863	0.9623
Cerro Verde	0.8990	0.8870	0.9649
Repartición	0.8994	0.8881	0.9657
Mollendo	0.9058	0.8883	0.9657
Montalvo 220	0.8954	0.8863	0.9641
Montalvo 138	0.8950	0.8869	0.9647
Ilo 138	0.9061	0.8883	0.9683
Botiflaca 138	0.9053	0.8921	0.9692
Toquepala	0.9047	0.8935	0.9731
Aricota 138	0.8918	0.8910	0.9703
Aricota 66	0.8846	0.8901	0.9695
Tacna 220	0.9027	0.8887	0.9662
Tacna 66	0.9220	0.8906	0.9682

**Cuadro J - 2
DESPACHO DE GENERACION**

CENTRAL	KV	Máxima Anual
SICN		
C.H. Callahuanca	6.50	38.1
C.H. Callahuanca	8.00	37.0
C.H. Chimay	13.80	150.0
C.H. Huampani	10.00	30.2
C.H. Huínco	12.50	217.3
C.H. Matucana	12.50	126.0
C.H. Moyopampa	10.00	64.7
C.H. Yanango	10.00	42.6
C.H. Malpaso	6.90	46.0
C.H. Oroya	2.40	8.7
C.H. Pachachaca	2.40	12.3
C.H. Yaupi	13.80	102.0
C.H. Cañón del Pato	13.80	260.0
C.H. Cahua	10.00	43.1
C.H. Carhuaquero	10.00	90.0
C.H. Gallito Ciego	10.00	38.2
C.H. Pariac	13.20	4.5
C.H. Mantaro	13.80	631.8
C.H. Restitución	13.80	209.7
C.H. Huanchor	10.00	19.6
C.H. Curumuy	10.00	12.5
C.H. Poechos	10.00	15.4
TG Aguaytía	13.80	156.7
TG Talara	13.80	81.2
GD Zorritos	10.00	0.0
GD Pacasmayo	6.30	0.0
GD Piura R6	10.00	0.0
GD Chiclayo	6.00	0.0
TV San Nicolás	13.80	0.0
TG Sta. Rosa UTI 5	13.80	0.0
TG Sta. Rosa UTI 6	13.80	0.0
TG Sta Rosa Westinghouse	13.80	0.0
GD Paíta	4.16	0.0
TG Piura	10.00	0.0
GD Sullana	4.16	0.0
TG Ventanilla TG3	16.00	38.5
TG Ventanilla TG4	16.00	63.5
SIS		
C.H. Aricota 1	10.00	21.0
C.H. Aricota 2	10.00	11.0
C.H. Charcani 1,2,3	5.25	6.1
C.H. Charcani IV	5.25	15.3
C.H. Charcani V	13.80	135.0
C.H. Charcani VI	5.25	8.9
C.H. Machupicchu	13.80	84.0
C.H. San Gabán	13.80	110.0
C.H. Hercca	10.00	1.0
CC.HH. Misapuquio, Huayllacho, San Ignacio y San Antonio		5.1
TV TV2 Ilo 1	13.80	23.2
TV TV3 Ilo 1	13.80	0.0
TV TV4 Ilo 1	13.80	0.0
TV TV1 Ilo 2	13.80	141.1
GD Calana	10.00	0.0
GD CatKato SPCC	4.16	0.0
GD Chilina Diesel 1	10.00	0.0
GD Mollendo R6	13.80	0.0
TV Chilina TV 2	10.00	0.0
TV Chilina TV 3	10.00	0.0
GD BHP Tintaya	4.16	0.0
GD Moquegua	4.16	0.0
TG TG1 Ilo 2	13.80	0.0
TG Mollendo TG 2	13.80	0.0
TG Mollendo TG 1	13.80	0.0
RESUMEN		
SEIN		3101.3
HIDROELECTRICO		2597.1
TERMoeLECTRICO		504.2
SICN		2539.6
HIDROELECTRICO		2199.7
TERMoeLECTRICO		339.9
SIS		561.7
HIDROELECTRICO		397.4
TERMoeLECTRICO		164.3