

**REZUMAT DE CALCUL SCHEMĂ NORMALĂ - SITUAȚIA EXISTENTĂ - AFF SISTEM DE TRANSPORT PUIRITIC METROPOLITAN ETAPA I SI ETAPA II
PIERDERI ENERGIE - CADERI DE TENSIUNE - CURENTI DE SCURT-CIRCUIT**

DATE SIST STATIA **MIRAUTI**

Un mt [KV] = 20	ktr= 0.033	Durata de utilizare sarcina = 5	Grad de incarcare trafo dist = 83%	
c= 1.1	Zs [Ω]= 2.787	Tsm = 5,000 ore/an	cosΦ = 0.85	
DATE TEHNICE REȚEA	Xs [Ω]= 2.774	Tau = 3,330 ore/an	SINST TRAFU = 5,200	KVA
	Rs [Ω]= 0.277	Tf = 8,040 ore/an	Smax LES= 4,292	KVA
			Spor putere = 0	KVA
			Ipr = 124.04	A
			Smas+pr= 4291.78	KVA
			Pmas+pr= 3648.02	KW

Numar NO	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Numar TRONSON	1 - 2	2 - 3	3 - 4	4 - 5	5 - 6	6 - 7	7 - 8	8 - 9	9 - 10	10 - 11	11 - 12	12 - 13	13 - 14	14 - 15	15 - 16	16 - 17	17 - 18	18 - 19	19 - 20
Aleg tip REȚEA	9	9	9	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tip REȚEA	LES 20KV	LES 20KV	LES 20KV	LES 20KV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lungime tronson =	A2YSY 150	A2YSY 150	A2YSY 150	A2YSY 150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1.500	0.000	0.180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

CONSUMATORI UNIFORM DISTRIBUITI

Tronson	1 - 2	2 - 3	3 - 4	4 - 5	5 - 6	6 - 7	7 - 8	8 - 9	9 - 10	10 - 11	11 - 12	12 - 13	13 - 14	14 - 15	15 - 16	16 - 17	17 - 18	18 - 19	19 - 20
SINST TRAFU KVA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMSA TRAFU KVA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	2	3															

CONSUMATORI CONCENTRATI

Nod	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
SINST TRAFU KVA	1,600	1,600	1,000	1,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMSA TRAFU KVA	1,321	1,321	825	825	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
In A	38.2	38.2	23.9	23.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5,200	1	2	3															

PUTERE TRANZITATA

Tronson	1 - 2	2 - 3	3 - 4	4 - 5	5 - 6	6 - 7	7 - 8	8 - 9	9 - 10	10 - 11	11 - 12	12 - 13	13 - 14	14 - 15	15 - 16	16 - 17	17 - 18	18 - 19	19 - 20
MSA TRONSO KVA	4,292	2,971	1,651	825	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MSA TRONSO A	124.0	85.9	47.7	23.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PIERDERI DE ENERGIE

Tronson	1 - 2	2 - 3	3 - 4	4 - 5	5 - 6	6 - 7	7 - 8	8 - 9	9 - 10	10 - 11	11 - 12	12 - 13	13 - 14	14 - 15	15 - 16	16 - 17	17 - 18	18 - 19	19 - 20
kWh/an	48,697	47,848	0	849	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CADERI DE TENSIUNE

Nod	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Δutr V	74.54	0.00	3.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Δutr %	0.37	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Δunod %	0.37	0.37	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39

CURENTI DE SCURT-CIRCUIT

Nod	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Isc(3) KA	4.26	4.26	4.22	4.22	4.22	4.22	4.22	4.22	4.22	4.22	4.22	4.22	4.22	4.22	4.22	4.22	4.22	4.22	4.22
Sk(3) MVA	147	147	146	146	146	146	146	146	146	146	146	146	146	146	146	146	146	146	146
Rk/Xk Ω	0.20	0.20	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
X isoc KA	1.556	1.556	1.538	1.538	1.538	1.538	1.538	1.538	1.538	1.538	1.538	1.538	1.538	1.538	1.538	1.538	1.538	1.538	1.538
Isc(2) KA	9.40	9.40	9.21	9.21	9.21	9.21	9.21	9.21	9.21	9.21	9.21	9.21	9.21	9.21	9.21	9.21	9.21	9.21	9.21
isoc KA	3.68	3.68	3.65	3.65	3.65	3.65	3.65	3.65	3.65	3.65	3.65	3.65	3.65	3.65	3.65	3.65	3.65	3.65	3.65
	8.13	8.13	7.97	7.97	7.97	7.97	7.97	7.97	7.97	7.97	7.97	7.97	7.97	7.97	7.97	7.97	7.97	7.97	7.97

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