

**Reconstruction and modernisation of I.P.
"Emil Nicula" Theoretical High School, land
no. cad. 1034320.065, with the addition of
auxiliary buildings, located in Mereni village,
104 Stefan cel Mare si Sfint Street**

(name of the project)

Form No. 7
WinCmeta

**LOCAL ESTIMATE № 4-2-1
0.4 kV electricity supply (2506-REAE)**

No No	Symbol standards and resource code	Works and expenses	U.M.	Quantity according to project data	Estimated value, lei	
					Per unit of measurement incl. salary	Total incl. salary
1	2	3	4	5	6	7
		1. Construction works				
1	TsC58B k=1.2	Cable trenches. Mechanical excavation of soil in storage with an excavator with a bucket volume of 0.15 m3: category 2 terrain (trench excavation) Machine coefficient=1.2000 Labour coefficient=1.2000 Coefficient for materials = 1.2000	100 m3	1.38		
2	TsC59B k=1.2	Mechanical excavation of soil with discharge into a dump truck with an excavator with a bucket volume of 0.15 m3: category 2 terrain (trench excavation) Labour coefficient=1.2000 Material coefficient = 1.2000 Machinery coefficient = 1.2000	100 m3	0.76		
3	TsI51A3	Transportation of soil with a 10- tonne dump truck over a distance of: 3 km	t	125.40		
4	TsC51A	Work on unloading soil into storage, category I land	100 m3	0.76		
5	AcF03A	Cable trenches. Filling in trenches as substrate, protective layer, executed with sand	m3	68.94		
6	34-02-004- 1	Execution of pipes from PE pipe D=110 x 6.6 mm for technical use.	1 km	0.38		
7	34-02-004- 1	Execution of pipes from PE pipe D=75 x 3.6 mm for technical use	1 km	0.041		
8	34-02-004- 1	Execution of pipes from PE pipe D=50 x 2.4 mm for technical use	1 km	0.197		
9	TsC58B k=1.2	Cable trenches. Mechanical excavation of soil in storage with an excavator with a bucket volume of 0.15 m3: category 2 terrain (trench excavation)	100 m3	0.20		

1	2	3	4	5	6	7
		Coefficient for machines=1.2000 Labour coefficient=1.2000 Coefficient for materials = 1.2000				
10	TsD18B	Cable trenches. Compacted fill in trenches for buried high-voltage power line cables, made with soil from the middle layer of the ground.	m3	158.00		
11	GD60A	Installation and dismantling of drilling equipment, spades and wideners, for pipes with a diameter of up to 125 mm.	pcs	1.00		
12	GD59A2	Laying of the protective pipe by horizontal directional drilling (HDD) in very hard ground, for PE pipes D=110 x 6.6 mm for technical use.	m	28.00		
		<i>Total</i>	lei			
		<i>Social insurance</i>	24%			
		<i>Transport expenses</i>	%			
		<i>Supply and storage expenses</i>	%			
		<i>Total</i>				
		<i>Overhead expenses</i>	%			
		<i>Total</i>				
		<i>Benefit of estimate</i>	%			
		Total Construction works Including salary				
		2. Installation works				
13	08-02-143-1	Cable covering, laid in trenches: with brickwork for a single cable	100 m	6.46		
14	08-02-143-2	Cable covering, laid in trenches: with brick for each subsequent cable	100 m	8.41		
15	supplier price	Solid brick construction 240x115x63 mm	piece	6,829.00		
16	08-02-396-6	Metal duct for walls and ceilings, length 3 m	100	0.02		
17	supplier price	Metal cable duct with cover, section 60x40 mm	m.l.	2.00		
18	08-02-152-3	Metal cable constructions: welded construction	t	0.03		
19	08-02-145-4	Cable up to 35 kV, laid on the bottom of the channel without fastenings, mass 1 m up to: 6 kg	100 m	5.30		
20	08-02-148-4	Cable up to 35 kV in pipes, blocks and boxes laid, mass 1 m up to: 6 kg	100 m	4.48		
21	08-02-146-5	Cable up to 35 kV, fastened with clamps, weight 1 m up to: 6 kg	100 m	0.24		
22	supplier price	Power cables with aluminium conductors, XLPE insulation, galvanised steel tape, bronzed, with APvBbShp-1 type polyethylene protective hose 4x185 mm ²	m.l.	1,060.00		
23	08-02-159-4	Rubber sleeve terminal for cable with 3-4 conductors, voltage up to 1 kV,	pcs	8.00		

1	2	3	4	5	6	7
		conductor cross-section up to: 240 mm2				
24	supplier price	Terminal plug type ПКТП4-150/240 mm2	pc	8.00		
25	08-02-167-4	Coupling sleeve, made of synthetic resin (epoxy), for cable with 3-4 conductors, voltage up to 1 kV, conductor cross-section up to: 185 mm2	pc	6.00		
26	supplier price	4СТП-150/240 mm2 type connection plug	pc	6.00		
27	08-02-145-2	Cable up to 35 kV, laid on the bottom of the channel without fastenings, weight 1 m up to: 2 kg	100 m	0.38		
28	08-02-148-2	Cable up to 35 kV in pipes, blocks and boxes laid, mass 1 m up to: 2 kg	100 m	0.53		
29	supplier price	Power cables with aluminium conductors, XLPE insulation, galvanised steel tape, bronzed, with APvBbShp-1 type polyethylene protective hose 5x25 mm2	m.l.	100.00		
30	08-02-158-14	Dry terminal head for cable with 5 conductors with plastic and rubber insulation, voltage up to 1 kV, conductor cross-section up to: 35 mm ² (Ksal=1.43) Labour coefficient=1.4300	pcs	2.00		
31	supplier price	Terminal plug type ПКТП4-25/50 mm2	pc	2.00		
32	08-02-145-1	Cable up to 35 kV, laid on the bottom of the channel without fastenings, weight 1 m up to: 1 kg	100 m	2.82		
33	08-02-148-1	Cable up to 35 kV in pipes, blocks and boxes laid, mass 1 m up to: 1 kg	100 m	2.33		
34	08-02-146-1	Cable up to 35 kV, fixed with clamps, weight 1 m up to: 0.5 kg	100 m	0.10		
35	supplier price	Power cables with aluminium conductors, XLPE insulation, galvanised steel tape, bronzed, with APvBbShp-1 type polyethylene protective hose 3x6 mm2	m.l.	555.00		
36	08-02-158-14	Dry terminal head for cable with 3-4 conductors with plastic and rubber insulation, voltage up to 1 kV, conductor cross-section up to: 35 mm2	pcs	10.00		
37	supplier price	Heat-shrinkable sleeve 3 x 6 mm2	pc	10.00		
38	08-02-144-7	Connection of conductor wires or cables to terminals, cross-section up to: 240 mm2	100 pcs	0.32		

1	2	3	4	5	6	7
39	supplier price	DL-185 type cable lug	pcs	32.00		
40	08-01-001-1	Dismantling of existing transformer and installation of new transformer, three-phase 10 kV, power, kV A: 250 (Ksal=Kmec=1.3) Labour coefficient = 1.3000 Equipment coefficient = 1.3000	pcs	2.00		
41	08-01-001-2	Dismantling of existing transformer and installation of new transformer, three-phase 10 kV, power, kV A: 400 (Ksal=Kmec=1.3) Labour coefficient = 1.3000 Equipment coefficient = 1.3000	pcs	1.00		
42	08-03-524-21 applied	Cabinet with a three-pole lever switch with 3 fuse links, current up to 630 A	pc	2.00		
		<i>Total</i>	lei			
		<i>Social insurance</i>	24%			
		<i>Transport expenses</i>	%			
		<i>Supply and storage expenses</i>	%			
		<i>Total</i>				
		<i>Overhead expenses</i>	%			
		<i>Total</i>				
		<i>Estimated profit</i>	%			
		Total Installation work Including salary				
		3. Equipment				
43	Supplier price	Three-pole, vertical load separator, In=630A, U=400V, type RPS-6	pcs	2.00		
44	supplier price	NH4a gG 630A/450A fuse, 500V	set	6.00		
45	supplier price	10/0.4 kV voltage transformer, 250 kVA	pc	2.00		
46	supplier	10/0.4 kV voltage transformer, 400 kVA	pc	1.00		
		<i>Total</i>	lei			
		<i>Supply and storage expenses</i>	%			
		Total Equipment Including salary				
		4. Adjustment and start-up work				
47	1-03-002-1	Three-pole switch with maximum current protection with direct operation, rated current up to 1000 A	pcs	2.00		
48	1-02-001-1	Transformer, voltage up to 1 kV	pcs	3.00		
		<i>Total</i>	lei			
		<i>Social insurance</i>	24%			
		<i>Total</i>				
		<i>Overhead costs</i>	%			
		<i>Total</i>				
		<i>Estimated profit</i>	%			

1	2	3	4	5	6	7
		Total Adjustment and start-up works Including salary				
		Total	lei			
		Total estimate: Including salary				