

**Centrală fotovoltaică la obiectul**  
**I.P. Gimnaziul Ceadâr**  
**din s. Ceadâr r. Leova**  
(denumirea obiectivului)

Formular Nr.7  
WinCmeta

**DEVIZ LOCAL №1**

**Valoarea de deviz 318 956,71 Lei**

Intocmit in prețuri curente 08.09.2023

| № crt. | Simbol norme și Cod resurse | Lucrări și cheltuieli                                                                         | U.M.  | Cantitate conform datelor din proiect | Valoarea de deviz, lei                |                        |
|--------|-----------------------------|-----------------------------------------------------------------------------------------------|-------|---------------------------------------|---------------------------------------|------------------------|
|        |                             |                                                                                               |       |                                       | Pe unitate de măsură<br>incl. salariu | Total<br>incl. salariu |
| 1      | 2                           | 3                                                                                             | 4     | 5                                     | 6                                     | 7                      |
|        |                             | <b>1. Lucrari de montaj</b>                                                                   |       |                                       |                                       |                        |
| 1      | 08-03-600-2                 | Contoare, montate pe suport pregatit                                                          | buc   | 1,000                                 | 52,200<br>52,200                      | 52,200<br>52,200       |
| 2      | 08-03-526-2                 | Automat mono-, bi-, tripolar, montat pe constructii pe perete sau coloana, curent pina la 100 | buc   | 11,000                                | 163,740<br>139,200                    | 1 801,140<br>1 531,200 |
| 3      | 08-03-523-1                 | Siguranta, instalata pe suport izolator, curent pina la 100 A                                 | buc   | 6,000                                 | 82,565<br>70,200                      | 495,390<br>421,200     |
| 4      | 08-03-573-4                 | Dulap (pupitru) de comanda suspendat, inaltime, latime si adincime, mm, pina la 600x600x350   | buc   | 3,000                                 | 242,180<br>142,200                    | 726,540<br>426,600     |
| 5      |                             | Bara PE izolata, p/u DIN32, verde (ШНН-8x12-14-Д)                                             | buc   | 2,000                                 | 115,000<br>0,000                      | 230,000<br>0,000       |
| 6      |                             | Bara PE izolata, p/u DIN32, verde (ШНН-6x9-6-Д)                                               | buc   | 2,000                                 | 115,000<br>0,000                      | 230,000<br>0,000       |
| 7      |                             | Bara PE izolata, p/u DIN32, verde (ШНН-6x9-8-Д)                                               | buc   | 2,000                                 | 115,000<br>0,000                      | 230,000<br>0,000       |
| 8      | 08-02-396-2                 | Canal metalic pe constructii, console, pe ferme si coloane, lungime 3 m                       | 100 m | 0,740                                 | 2 648,386<br>1 902,000                | 1 959,806<br>1 407,480 |
| 9      |                             | Tub gofrat metalic, izolat, negru (P3-ЦХ42)                                                   | m     | 5,000                                 | 25,000<br>0,000                       | 125,000<br>0,000       |
| 10     |                             | Tub gofrat metalic, izolat, negru (P3-ЦХ38)                                                   | m     | 8,000                                 | 27,500<br>0,000                       | 220,000<br>0,000       |

| 1  | 2            | 3                                                                                                                                                         | 4        | 5       | 6                      | 7                      |
|----|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|------------------------|------------------------|
| 11 |              | Tub gofrat metalic, izolat, negru (P3-ЦХ32)                                                                                                               | m        | 57,000  | 18,000<br>0,000        | 1 026,000<br>0,000     |
| 12 |              | Tub gofrat metalic, izolat, negru (P3-ЦХ28)                                                                                                               | m        | 4,000   | 20,000<br>0,000        | 80,000<br>0,000        |
| 13 | 08-02-147-1  | Cablu pina la 35 kV pe constructii si jgheaburi instalate, cu fixare la cotituri si la sfirsitul traseului, masa 1 m de cablu, pina la: 1 kg              | 100 m    | 0,130   | 696,000<br>696,000     | 90,480<br>90,480       |
| 14 |              | Cablu electric, AC (АВВГнг-LS-5x16)                                                                                                                       | m        | 8,000   | 50,000<br>0,000        | 400,000<br>0,000       |
| 15 |              | Cablu electric, AC (АВВГнг-LS-5x10)                                                                                                                       | m        | 1,000   | 39,000<br>0,000        | 39,000<br>0,000        |
| 16 |              | Cablu electric, AC (ВВГнг-LS-5x6)                                                                                                                         | m        | 4,000   | 90,000<br>0,000        | 360,000<br>0,000       |
| 17 | 08-02-412-2  | Introducerea conductorilor in tevi si furtunuri metalice pozate: primul conductor monofir sau multifir in impletire comuna, sectiune sumara pina la 6 mm2 | 100 m    | 3,000   | 420,400<br>404,400     | 1 261,200<br>1 213,200 |
| 18 |              | Conductor electric, DC (TECSUN PV1-F-6,0 mm2)                                                                                                             | m        | 300,000 | 23,000<br>0,000        | 6 900,000<br>0,000     |
| 19 |              | Papuc ghilza, rosu (НГИ2 4.0-12 mm2)                                                                                                                      | buc      | 12,000  | 2,000<br>0,000         | 24,000<br>0,000        |
| 20 |              | Papuc ghilza, albastru (НГИ2 4.0-12 mm2)                                                                                                                  | buc      | 12,000  | 2,000<br>0,000         | 24,000<br>0,000        |
| 21 |              | Papuc ghilza, galben (НГИ2 4.0-12 mm2)                                                                                                                    | buc      | 12,000  | 2,000<br>0,000         | 24,000<br>0,000        |
| 22 | 08-03-574-2  | Conector de racord cablu - panouri fotovoltaice. Tip conexiune: MC4. Grad de protectie la apa: IP65                                                       | 100 fire | 0,060   | 2 195,833<br>2 082,000 | 131,750<br>124,920     |
| 23 |              | Conector cablu, DC (MC4)                                                                                                                                  | buc      | 6,000   | 60,000<br>0,000        | 360,000<br>0,000       |
| 24 | 08-01-101-2  | Montarea invertor                                                                                                                                         | buc      | 1,000   | 714,350<br>672,000     | 714,350<br>672,000     |
| 25 | 11-04-008-04 | Montzrea panoului fotovoltaic, masa, kg, pina la: 30                                                                                                      | buc      | 36,000  | 198,900<br>185,400     | 7 160,400<br>6 674,400 |
| 26 | 11-04-001-03 | Rama de montaj pentru panouri fotovoltaice                                                                                                                | buc      | 36,000  | 247,200                | 8 899,200              |

| 1  | 2           | 3                                                                                                             | 4     | 5      | 6                      | 7                                |
|----|-------------|---------------------------------------------------------------------------------------------------------------|-------|--------|------------------------|----------------------------------|
|    |             |                                                                                                               |       |        | 247,200                | 8 899,200                        |
| 27 |             | Surub autofiletant (self tapping bolt) M6.3 x 100                                                             | buc   | 60,000 | 12,000<br>0,000        | 720,000<br>0,000                 |
| 28 |             | Profil metalic de sustinere (single rail) 400 mm                                                              | buc   | 72,000 | 50,000<br>0,000        | 3 600,000<br>0,000               |
| 29 |             | Clema rapida de mijloc (rail mid clamp) 35 mm                                                                 | buc   | 64,000 | 25,000<br>0,000        | 1 600,000<br>0,000               |
| 30 |             | Clema rapida de capat (rail end clamp) 35 mm                                                                  | buc   | 16,000 | 25,000<br>0,000        | 400,000<br>0,000                 |
| 31 | 08-02-472-9 | Conductor de legare la pamint, deschis, pe suporturi de constructii, din otel rotund (zincat), diametru 16 mm | 100 m | 0,120  | 3 547,758<br>1 278,000 | 425,731<br>153,360               |
| 32 |             | Varga de otel d=16mm                                                                                          | m     | 12,000 | 37,000<br>0,000        | 444,000<br>0,000                 |
| 33 |             | Platbanda din otel 25x4mm                                                                                     | m     | 12,000 | 35,000<br>0,000        | 420,000<br>0,000                 |
| 34 |             | Conector de legatura pentru impamantare                                                                       | buc   | 20,000 | 6,000<br>0,000         | 120,000<br>0,000                 |
| 35 |             | Element de imbinare sina de aliaj metalic                                                                     | buc   | 16,000 | 10,000<br>0,000        | 160,000<br>0,000                 |
|    |             | <i>Total</i>                                                                                                  | Lei   |        |                        | 41 454,187                       |
|    |             | <i>Fonduls social</i>                                                                                         | 24 %  |        |                        | 5 199,898                        |
|    |             | <i>Total</i>                                                                                                  |       |        |                        | 46 654,085                       |
|    |             | <i>Cheltuieli de regie</i>                                                                                    | 63 %  |        |                        | 13 649,731                       |
|    |             | <i>Total</i>                                                                                                  |       |        |                        | 60 303,816                       |
|    |             | <i>Beneficiu de deviz</i>                                                                                     | 5 %   |        |                        | 3 015,191                        |
|    |             | <b>Total Lucrari de montaj<br/>Inclusiv salariu</b>                                                           |       |        |                        | <b>63 319,007<br/>21 666,240</b> |
|    |             | <b>2. Utilaj</b>                                                                                              |       |        |                        |                                  |
| 36 |             | Contor electronic trifaz.bidirectional (LUN23, 3x220/380V 5(100)A)                                            | buc   | 1,000  | 2 500,000<br>0,000     | 2 500,000<br>0,000               |
| 37 |             | Intrerupator de sarcina, modular (BH-32 3P 63A)                                                               | buc   | 1,000  | 115,000<br>0,000       | 115,000<br>0,000                 |
| 38 |             | Intrerupator automat, modular                                                                                 | buc   | 1,000  | 105,000                | 105,000                          |

| 1  | 2          | 3                                                                                               | 4   | 5      | 6                   | 7                    |
|----|------------|-------------------------------------------------------------------------------------------------|-----|--------|---------------------|----------------------|
|    |            | (BA 47-29 3P B25)                                                                               |     |        | 0,000               | 0,000                |
| 39 |            | Intrerupator automat, modular<br>(BA 47-29 3P C25)                                              | buc | 1,000  | 105,000<br>0,000    | 105,000<br>0,000     |
| 40 |            | Intrerupator automat, modular<br>(BA 47-29 3P C32)                                              | buc | 1,000  | 98,000<br>0,000     | 98,000<br>0,000      |
| 41 |            | Limitator supratensiune, modular<br>(TRS C40 4P AC)                                             | buc | 1,000  | 191,642<br>0,000    | 191,642<br>0,000     |
| 42 |            | Limitator supratensiune, modular<br>(TRS3 C40 2P DC)                                            | buc | 3,000  | 140,090<br>0,000    | 420,270<br>0,000     |
| 43 |            | Separator modular, pentru<br>sigurante fuzibile (WSPV-32 2P<br>1500V DC)                        | buc | 3,000  | 180,000<br>0,000    | 540,000<br>0,000     |
| 44 |            | Sigurante fuzibile (HPPV-30 20A<br>1000V DC, 10x38)                                             | buc | 6,000  | 40,000<br>0,000     | 240,000<br>0,000     |
| 45 |            | Panou de evidenta, AC (BZUM-<br>TF63)                                                           | buc | 1,000  | 2 000,000<br>0,000  | 2 000,000<br>0,000   |
| 46 |            | Cofret PVC aplicabil 18 module<br>IP54                                                          | buc | 1,000  | 560,000<br>0,000    | 560,000<br>0,000     |
| 47 |            | Cofret PVC aplicabil 12 module<br>IP54                                                          | buc | 1,000  | 520,000<br>0,000    | 520,000<br>0,000     |
| 48 |            | Invertor trifazat DC/AC (SOFAR<br>15KTLC-G3 15 kW 50 Hz)                                        | buc | 1,000  | 28 416,660<br>0,000 | 28 416,660<br>0,000  |
| 49 |            | Panouri solare mono-cristaline<br>(SPOLAR PV SP550HM6-55L<br>550W)                              | buc | 36,000 | 4 375,000<br>0,000  | 157 500,000<br>0,000 |
|    |            | <i>Total</i>                                                                                    | Lei |        |                     | 193 311,572          |
|    |            | <b>Total Utilaj<br/>Inclusiv salariu</b>                                                        |     |        |                     | <b>193 311,572</b>   |
|    |            | <b>3. Lucrari de punere in functiune a<br/>utilajului electrotehnic</b>                         |     |        |                     |                      |
| 50 | 1-11-028-1 | Dare in exploatare a centralei<br>electrice fotovoltaice                                        | set | 1,000  | 9 166,660<br>0,000  | 9 166,660<br>0,000   |
|    |            | <i>Total</i>                                                                                    | Lei |        |                     | 9 166,660            |
|    |            | <b>Total Lucrari de punere in<br/>functiune a utilajului electrotehnic<br/>Inclusiv salariu</b> |     |        |                     | <b>9 166,660</b>     |

| 1 | 2 | 3                                | 4    | 5 | 6 | 7          |
|---|---|----------------------------------|------|---|---|------------|
|   |   | Total                            | Lei  |   |   | 265 797,26 |
|   |   | TVA                              | 20 % |   |   | 53 159,45  |
|   |   |                                  |      |   |   | 318 956,71 |
|   |   | Total deviz:<br>Inclusiv salariu |      |   |   | 21 666,24  |

Intocmit

\_\_\_\_\_  
(funcția, semnătura, numele, prenumele )

Verificat

\_\_\_\_\_  
(funcția, semnătura, numele, prenumele)

**Centrală fotovoltaică la obiectul  
I.P. Gimnaziul Ceadâr  
din s. Ceadâr r. Leova**

(denumirea obiectivului)

Formular Nr.3

WinCmeta

**Deviz local de resurse №1**

**Valoarea de deviz 318 956,71 Lei**

Intocmit in prețuri curente 08.09.2023

| № crt. | Simbol norme și Cod resurse | Denumire lucrări și cheltuieli | U.M. | Cantitate conform datelor din proiect | Valoarea de deviz, lei |       |
|--------|-----------------------------|--------------------------------|------|---------------------------------------|------------------------|-------|
|        |                             |                                |      |                                       | Pe unitate de măsură   | Total |
| 1      | 2                           | 3                              | 4    | 5                                     | 6                      | 7     |
|        |                             | Total borderou de resurse № :  |      |                                       |                        |       |

**Manopera :**

|    |   |                       |      |         |       |                  |
|----|---|-----------------------|------|---------|-------|------------------|
| 1. | 1 | Muncitor              | h-om | 361,104 | 60,00 | 21 666,240       |
|    |   | <b>Total manopera</b> |      |         |       | <b>21 666,24</b> |

**Materiale:**

|     |                 |                                                                    |         |        |          |           |
|-----|-----------------|--------------------------------------------------------------------|---------|--------|----------|-----------|
| 1.  | 1-11-028-1      | Dare in exploatare a centralei electrice fotovoltaice              | set     | 1,000  | 9 166,66 | 9 166,660 |
| 2.  | 1011924         | Electrozi 342A, diametru 4 mm                                      | kg      | 1,178  | 52,00    | 61,256    |
| 3.  | 1011964         | Sfoara (spagat) de hirtie                                          | kg      | 0,009  | 120,00   | 1,080     |
| 4.  | 1011977         | Suruburi cu piulite si saibe                                       | kg      | 6,870  | 55,00    | 377,850   |
| 5.  | 1019100         | Cartus pentru impuscat                                             | 10 buc  | 10,234 | 25,00    | 255,850   |
| 6.  | 1019103         | Dibluri de distantare                                              | 100 buc | 0,296  | 130,00   | 38,480    |
| 7.  | 1019109         | Dibluri pentru conexiune                                           | 10 buc  | 10,234 | 15,00    | 153,510   |
| 8.  | 1019852         | Vopsea                                                             | kg      | 0,348  | 75,00    | 26,100    |
| 9.  | 1111000100023-1 | Intreupator de sarcina, modular (BH-32 3P 63A)                     | buc     | 1,000  | 115,00   | 115,000   |
| 10. | 1111000100023-2 | Intreupator automat, modular (BA 47-29 3P B25)                     | buc     | 1,000  | 105,00   | 105,000   |
| 11. | 1111000100023-3 | Intreupator automat, modular (BA 47-29 3P C25)                     | buc     | 1,000  | 105,00   | 105,000   |
| 12. | 1111000100023-4 | Intreupator automat, modular (BA 47-29 3P C32)                     | buc     | 1,000  | 98,00    | 98,000    |
| 13. | 1111000100023-5 | Limitator supratensiune, modular (TRS C40 4P AC)                   | buc     | 1,000  | 191,64   | 191,642   |
| 14. | 1111000100023-6 | Limitator supratensiune, modular (TRS3 C40 2P DC)                  | buc     | 3,000  | 140,09   | 420,270   |
| 15. | 1111000100023-7 | Separator modular, pentru sigurante fuzibile (WSPV-32 2P 1500V DC) | buc     | 3,000  | 180,00   | 540,000   |
| 16. | 1111000100023-8 | Sigurante fuzibile (HPPV-30 20A 1000V DC, 10x38)                   | buc     | 6,000  | 40,00    | 240,000   |
| 17. | 111100010068    | Cofret PVC aplicabil 18 module IP54                                | buc     | 1,000  | 560,00   | 560,000   |
| 18. | 111100010078    | Cofret PVC aplicabil 12 module IP54                                | buc     | 1,000  | 520,00   | 520,000   |
| 19. | 1111000154344   | Panou de evidenta, AC (BZUM-TF63)                                  | buc     | 1,000  | 2 000,00 | 2 000,000 |
| 20. | 2455896-1       | Papuc ghilza, rosu (НГН2 4.0-12 mm2)                               | buc     | 12,000 | 2,00     | 24,000    |
| 21. | 2455896-2       | Papuc ghilza, albastru (НГН2 4.0-12 mm2)                           | buc     | 12,000 | 2,00     | 24,000    |
| 22. | 2455896-3       | Papuc ghilza, galben (НГН2 4.0-12 mm2)                             | buc     | 12,000 | 2,00     | 24,000    |
| 23. | 2455896-4       | Conector cablu, DC (MC4)                                           | buc     | 6,000  | 60,00    | 360,000   |

|     |                               |                                                                                                                             |        |         |           |                   |
|-----|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------|---------|-----------|-------------------|
| 24. | 31231231233-1                 | Conductor electric, DC (TECSUN PV1-F-6,0 mm2)                                                                               | m      | 300,000 | 23,00     | 6 900,000         |
| 25. | 3130134817404-1               | Cablu electric, AC (ABBГНГ-LS- 5x16)                                                                                        | m      | 8,000   | 50,00     | 400,000           |
| 26. | 3130134817404-2               | Cablu electric, AC (ABBГНГ-LS- 5x10)                                                                                        | m      | 1,000   | 39,00     | 39,000            |
| 27. | 331231234453-28               | Tub gofrat metalic, izolat, negru (P3-IIX28)                                                                                | m      | 4,000   | 20,00     | 80,000            |
| 28. | 331231234453-32               | Tub gofrat metalic, izolat, negru (P3-IIX32)                                                                                | m      | 57,000  | 18,00     | 1 026,000         |
| 29. | 331231234453-38               | Tub gofrat metalic, izolat, negru (P3-IIX38)                                                                                | m      | 8,000   | 27,50     | 220,000           |
| 30. | 331231234453-42               | Tub gofrat metalic, izolat, negru (P3-IIX42)                                                                                | m      | 5,000   | 25,00     | 125,000           |
| 31. | 33345543453345 2-1            | Surub autofiletant (self tapping bolt) M6.3 x 100                                                                           | buc    | 60,000  | 12,00     | 720,000           |
| 32. | 33345543453345 2-2            | Profil metalic de sustinere (single rail) 400 mm                                                                            | buc    | 72,000  | 50,00     | 3 600,000         |
| 33. | 33345543453345 2-3            | Clema rapida de mijloc (rail mid clamp) 35 mm                                                                               | buc    | 64,000  | 25,00     | 1 600,000         |
| 34. | 33345543453345 2-4            | Clema rapida de capat (rail end clamp) 35 mm                                                                                | buc    | 16,000  | 25,00     | 400,000           |
| 35. | 4234234234-1                  | Bara PE izolata, p/u DIN32, verde (ШНН-8x12-14-Д)                                                                           | buc    | 2,000   | 115,00    | 230,000           |
| 36. | 4234234234-2                  | Bara PE izolata, p/u DIN32, verde (ШНН-6x9-6-Д)                                                                             | buc    | 2,000   | 115,00    | 230,000           |
| 37. | 4234234234-3                  | Bara PE izolata, p/u DIN32, verde (ШНН-6x9-8-Д)                                                                             | buc    | 2,000   | 115,00    | 230,000           |
| 38. | 5009031                       | Scoabe                                                                                                                      | 10 buc | 0,994   | 15,00     | 14,910            |
| 39. | 5009105                       | Suportul corpului de iluminat                                                                                               | 10 buc | 1,608   | 100,00    | 160,800           |
| 40. | 53453451223                   | Contor electronic trifaz.bidirectional (LUN23, 3x220/380V 5(100)A)                                                          | buc    | 1,000   | 2 500,00  | 2 500,000         |
| 41. | 53453453433-1                 | Varga de otel d=16mm                                                                                                        | m      | 12,000  | 37,00     | 444,000           |
| 42. | 53453453433-2                 | Platbanda din otel 25x4mm                                                                                                   | m      | 12,000  | 35,00     | 420,000           |
| 43. | 53453453434-1                 | Conector de legatura pentru impamantare                                                                                     | buc    | 20,000  | 6,00      | 120,000           |
| 44. | 53453453434-2                 | Element de imbinare sina de aliaj metalic                                                                                   | buc    | 16,000  | 10,00     | 160,000           |
| 45. | 5440089                       | Banda adeziva izolatoare pe compound policasin, marca "ЛСЭПЛ", latime 20-30 mm, grosime de la 0,14 pina la 0,19 mm inclusiv | kg     | 0,588   | 100,00    | 58,800            |
| 46. | 7765645-1                     | Invertor trifazat DC/AC (SOFAR 15KTLC-G3 15 kW 50 Hz)                                                                       | buc    | 1,000   | 28 416,66 | 28 416,660        |
| 47. | 85669                         | Panouri solare mono-cristaline (SPOLAR PV SP550HM6-55L 550W)                                                                | buc    | 36,000  | 4 375,00  | 157 500,000       |
| 48. | Cablu electric, AC (BBГНГ-LS- | Cablu electric, AC (BBГНГ-LS- 5x6)                                                                                          | m      | 4,000   | 90,00     | 360,000           |
|     |                               | <b>Total materiale de constructii</b>                                                                                       |        |         |           | <b>221 362,87</b> |

#### **Utilaje de constructii:**

|    |        |                                                                                                               |      |       |        |         |
|----|--------|---------------------------------------------------------------------------------------------------------------|------|-------|--------|---------|
| 1. | 021102 | Macara pe sasiu auto la lucrari de montare a utilajului tehnologic (cu exceptia conductelor principale), 10 t | h-ut | 0,023 | 300,00 | 6,900   |
| 2. | 040502 | Instalatii pentru sudare manuala cu arc electric (de curent continuu)                                         | h-ut | 0,403 | 65,00  | 26,195  |
| 3. | 050102 | Compresoare mobile, motor cu ardere interna, presiune 686 kPa (7 atm) 5 m3/min                                | h-ut | 0,660 | 280,00 | 184,800 |
| 4. | 100602 | Ciocane usoare perforatoare la lucrari la statii mobile de compresare                                         | h-ut | 0,660 | 119,00 | 78,540  |
| 5. | 330206 | Masini de gaurit electrice                                                                                    | h-ut | 0,360 | 35,00  | 12,600  |

|    |        |                                       |      |       |        |               |
|----|--------|---------------------------------------|------|-------|--------|---------------|
| 6. | 331451 | Perforatoare electrice                | h-ut | 1,598 | 62,00  | 99,076        |
| 7. | 400001 | Autocamion de bord, tonaj pina la 5 t | h-ut | 1,080 | 450,00 | 486,000       |
| 8. | 400002 | Automobile cu bord, tonaj pina la 8 t | h-ut | 0,023 | 400,00 | 9,200         |
|    |        | <b>Total utilaje de construcții</b>   |      |       |        | <b>903,32</b> |

|       |      |                |
|-------|------|----------------|
| Total | Lei  | 265 797,2<br>6 |
| TVA   | 20 % | 53 159,45      |

**Total deviz:** **318 956,7  
1**

Intocmit \_\_\_\_\_  
(funcția, semnătura, numele, prenumele)

Verificat \_\_\_\_\_  
(funcția, semnătura, numele, prenumele)

**Obiect Centrală fotovoltaică la obiectul**  
**I.P. Gimnaziul Ceadâr din s. Ceadâr r. Leova**

Investitor

**Catalog de prețuri unitare pentru obiectul**

| Nr crt. | Simbol norme și Cod resurse | Denumire lucrări, cheltuieli și resurse                                                                                     | U.M.    | Consum de resurse pe unitate de măsură | Valoare, lei         |                        |
|---------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------|---------|----------------------------------------|----------------------|------------------------|
|         |                             |                                                                                                                             |         |                                        | Pe unitate de măsură | Total<br>incl. salariu |
| 1       | 2                           | 3                                                                                                                           | 4       | 5                                      | 6                    | 7                      |
|         |                             | <b>1. Lucrări de montaj</b>                                                                                                 |         |                                        |                      |                        |
| 1       | 08-03-600-2                 | Contoare, montate pe suport pregatit                                                                                        | buc     |                                        |                      | 52,200                 |
|         |                             |                                                                                                                             |         |                                        |                      | 52,200                 |
|         | 1                           | Muncitor                                                                                                                    | h-om    | 0,8700                                 | 60,00                | 52,20                  |
| 2       | 08-03-526-2                 | Automat mono-, bi-, tripolar, montat pe constructii pe perete sau coloana, curent pina la 100                               | buc     |                                        |                      | 163,740                |
|         |                             |                                                                                                                             |         |                                        |                      | 139,200                |
|         | 1                           | Muncitor                                                                                                                    | h-om    | 2,3200                                 | 60,00                | 139,20                 |
|         | 1011924                     | Electrozi Э42A, diametru 4 mm                                                                                               | kg      | 0,0700                                 | 52,00                | 3,64                   |
|         | 1011977                     | Suruburi cu piulite si saibe                                                                                                | kg      | 0,3800                                 | 55,00                | 20,90                  |
| 3       | 08-03-523-1                 | Siguranta, instalata pe suport izolator, curent pina la 100 A                                                               | buc     |                                        |                      | 82,565                 |
|         |                             |                                                                                                                             |         |                                        |                      | 70,200                 |
|         | 1                           | Muncitor                                                                                                                    | h-om    | 1,1700                                 | 60,00                | 70,20                  |
|         | 1011964                     | Sfoara (spagat) de hirtie                                                                                                   | kg      | 0,0010                                 | 120,00               | 0,12                   |
|         | 1011977                     | Suruburi cu piulite si saibe                                                                                                | kg      | 0,1590                                 | 55,00                | 8,74                   |
|         | 5440089                     | Banda adeziva izolatoare pe compound policasin, marca "ЛСЭПЛ", latime 20-30 mm, grosime de la 0,14 pina la 0,19 mm inclusiv | kg      | 0,0140                                 | 100,00               | 1,40                   |
|         | 330206                      | Masini de gaurit electrice                                                                                                  | h-ut    | 0,0600                                 | 35,00                | 2,10                   |
| 4       | 08-03-573-4                 | Dulap (pupitru) de comanda suspendat, inaltime, latime si adincime, mm, pina la 600x600x350                                 | buc     |                                        |                      | 242,180                |
|         |                             |                                                                                                                             |         |                                        |                      | 142,200                |
|         | 1                           | Muncitor                                                                                                                    | h-om    | 2,3700                                 | 60,00                | 142,20                 |
|         | 1011924                     | Electrozi Э42A, diametru 4 mm                                                                                               | kg      | 0,1000                                 | 52,00                | 5,20                   |
|         | 1011977                     | Suruburi cu piulite si saibe                                                                                                | kg      | 0,1000                                 | 55,00                | 5,50                   |
|         | 1019852                     | Vopsea                                                                                                                      | kg      | 0,0200                                 | 75,00                | 1,50                   |
|         | 050102                      | Compresoare mobile, motor cu ardere interna, presiune 686 kPa (7 atm) 5 m3/min                                              | h-ut    | 0,2200                                 | 280,00               | 61,60                  |
|         | 100602                      | Ciocane usoare perforatoare la lucrari la statii mobile de compresare                                                       | h-ut    | 0,2200                                 | 119,00               | 26,18                  |
| 5       |                             | Bara PE izolata, p/u DIN32, verde (ШНИ-8x12-14-Д)                                                                           | buc     |                                        |                      | 115,000                |
|         |                             |                                                                                                                             |         |                                        |                      | 0,000                  |
|         | 4234234234-1                | Bara PE izolata, p/u DIN32, verde (ШНИ-8x12-14-Д)                                                                           | buc     | 1,0000                                 | 115,00               | 115,00                 |
| 6       |                             | Bara PE izolata, p/u DIN32, verde (ШНИ-6x9-6-Д)                                                                             | buc     |                                        |                      | 115,000                |
|         |                             |                                                                                                                             |         |                                        |                      | 0,000                  |
|         | 4234234234-2                | Bara PE izolata, p/u DIN32, verde (ШНИ-6x9-6-Д)                                                                             | buc     | 1,0000                                 | 115,00               | 115,00                 |
| 7       |                             | Bara PE izolata, p/u DIN32, verde (ШНИ-6x9-8-Д)                                                                             | buc     |                                        |                      | 115,000                |
|         |                             |                                                                                                                             |         |                                        |                      | 0,000                  |
|         | 4234234234-3                | Bara PE izolata, p/u DIN32, verde (ШНИ-6x9-8-Д)                                                                             | buc     | 1,0000                                 | 115,00               | 115,00                 |
| 8       | 08-02-396-2                 | Canal metalic pe constructii, console, pe ferme si coloane, lungime 3 m                                                     | 100 m   |                                        |                      | 2 648,386              |
|         |                             |                                                                                                                             |         |                                        |                      | 1 902,000              |
|         | 1                           | Muncitor                                                                                                                    | h-om    | 31,7000                                | 60,00                | 1 902,00               |
|         | 1011977                     | Suruburi cu piulite si saibe                                                                                                | kg      | 0,8000                                 | 55,00                | 44,00                  |
|         | 5009031                     | Scoabe                                                                                                                      | 10 buc  | 1,1000                                 | 15,00                | 16,50                  |
|         | 1019100                     | Cartus pentru impuscat                                                                                                      | 10 buc  | 12,5000                                | 25,00                | 312,50                 |
|         | 1019103                     | Dibluri de distantare                                                                                                       | 100 buc | 0,4000                                 | 130,00               | 52,00                  |
|         | 1019109                     | Dibluri pentru conexiune                                                                                                    | 10 buc  | 12,5000                                | 15,00                | 187,50                 |
|         | 331451                      | Perforatoare electrice                                                                                                      | h-ut    | 2,1600                                 | 62,00                | 133,89                 |
| 9       |                             | Tub gofrat metalic, izolat, negru (P3-ЦХ42)                                                                                 | m       |                                        |                      | 25,000                 |
|         |                             |                                                                                                                             |         |                                        |                      | 0,000                  |
|         | 331231234453-42             | Tub gofrat metalic, izolat, negru (P3-ЦХ42)                                                                                 | m       | 1,0000                                 | 25,00                | 25,00                  |
| 10      |                             | Tub gofrat metalic, izolat, negru (P3-ЦХ38)                                                                                 | m       |                                        |                      | 27,500                 |

| 1  | 2                             | 3                                                                                                                                                         | 4        | 5       | 6      | 7         |
|----|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|--------|-----------|
|    |                               |                                                                                                                                                           |          |         |        | 0,000     |
|    | 331231234453-38               | Tub gofrat metalic, izolat, negru (P3-IIX38)                                                                                                              | m        | 1,0000  | 27,50  | 27,50     |
| 11 |                               | Tub gofrat metalic, izolat, negru (P3-IIX32)                                                                                                              | m        |         |        | 18,000    |
|    |                               |                                                                                                                                                           |          |         |        | 0,000     |
|    | 331231234453-32               | Tub gofrat metalic, izolat, negru (P3-IIX32)                                                                                                              | m        | 1,0000  | 18,00  | 18,00     |
| 12 |                               | Tub gofrat metalic, izolat, negru (P3-IIX28)                                                                                                              | m        |         |        | 20,000    |
|    |                               |                                                                                                                                                           |          |         |        | 0,000     |
|    | 331231234453-28               | Tub gofrat metalic, izolat, negru (P3-IIX28)                                                                                                              | m        | 1,0000  | 20,00  | 20,00     |
| 13 | 08-02-147-1                   | Cablu pina la 35 kV pe constructii si jgheaburi instalate, cu fixare la cotituri si la sfirsitul traseului, masa 1 m de cablu, pina la: 1 kg              | 100 m    |         |        | 696,000   |
|    |                               |                                                                                                                                                           |          |         |        | 696,000   |
|    | 1                             | Muncitor                                                                                                                                                  | h-om     | 11,6000 | 60,00  | 696,00    |
| 14 |                               | Cablu electric, AC (ABBГНГ-LS- 5x16)                                                                                                                      | m        |         |        | 50,000    |
|    |                               |                                                                                                                                                           |          |         |        | 0,000     |
|    | 3130134817404-1               | Cablu electric, AC (ABBГНГ-LS- 5x16)                                                                                                                      | m        | 1,0000  | 50,00  | 50,00     |
| 15 |                               | Cablu electric, AC (ABBГНГ-LS- 5x10)                                                                                                                      | m        |         |        | 39,000    |
|    |                               |                                                                                                                                                           |          |         |        | 0,000     |
|    | 3130134817404-2               | Cablu electric, AC (ABBГНГ-LS- 5x10)                                                                                                                      | m        | 1,0000  | 39,00  | 39,00     |
| 16 |                               | Cablu electric, AC (BBГНГ-LS- 5x6)                                                                                                                        | m        |         |        | 90,000    |
|    |                               |                                                                                                                                                           |          |         |        | 0,000     |
|    | Cablu electric, AC (BBГНГ-LS- | Cablu electric, AC (BBГНГ-LS- 5x6)                                                                                                                        | m        | 1,0000  | 90,00  | 90,00     |
| 17 | 08-02-412-2                   | Introducerea conductorilor in tevi si furtunuri metalice pozate: primul conductor monofir sau multifir in impletire comuna, sectiune sumara pina la 6 mm2 | 100 m    |         |        | 420,400   |
|    |                               |                                                                                                                                                           |          |         |        | 404,400   |
|    | 1                             | Muncitor                                                                                                                                                  | h-om     | 6,7400  | 60,00  | 404,40    |
|    | 5440089                       | Banda adeziva izolatoare pe compound policasin, marca "ЛСЭПЛ", latime 20-30 mm, grosime de la 0,14 pina la 0,19 mm inclusiv                               | kg       | 0,1600  | 100,00 | 16,00     |
| 18 |                               | Conductor electric, DC (TECSUN PV1-F-6,0 mm2)                                                                                                             | m        |         |        | 23,000    |
|    |                               |                                                                                                                                                           |          |         |        | 0,000     |
|    | 31231231233-1                 | Conductor electric, DC (TECSUN PV1-F-6,0 mm2)                                                                                                             | m        | 1,0000  | 23,00  | 23,00     |
| 19 |                               | Papuc ghilza, rosu (НГИ2 4.0-12 mm2)                                                                                                                      | buc      |         |        | 2,000     |
|    |                               |                                                                                                                                                           |          |         |        | 0,000     |
|    | 2455896-1                     | Papuc ghilza, rosu (НГИ2 4.0-12 mm2)                                                                                                                      | buc      | 1,0000  | 2,00   | 2,00      |
| 20 |                               | Papuc ghilza, albastru (НГИ2 4.0-12 mm2)                                                                                                                  | buc      |         |        | 2,000     |
|    |                               |                                                                                                                                                           |          |         |        | 0,000     |
|    | 2455896-2                     | Papuc ghilza, albastru (НГИ2 4.0-12 mm2)                                                                                                                  | buc      | 1,0000  | 2,00   | 2,00      |
| 21 |                               | Papuc ghilza, galben (НГИ2 4.0-12 mm2)                                                                                                                    | buc      |         |        | 2,000     |
|    |                               |                                                                                                                                                           |          |         |        | 0,000     |
|    | 2455896-3                     | Papuc ghilza, galben (НГИ2 4.0-12 mm2)                                                                                                                    | buc      | 1,0000  | 2,00   | 2,00      |
| 22 | 08-03-574-2                   | Conector de racord cablu - panouri fotovoltaice. Tip conexiune: MC4. Grad de protectie la apa: IP65                                                       | 100 fire |         |        | 2 195,833 |
|    |                               |                                                                                                                                                           |          |         |        | 2 082,000 |
|    | 1                             | Muncitor                                                                                                                                                  | h-om     | 34,7000 | 60,00  | 2 082,00  |
|    | 1011964                       | Sfoara (spagat) de hirtie                                                                                                                                 | kg       | 0,0500  | 120,00 | 6,00      |
|    | 1011977                       | Suruburi cu piulite si saibe                                                                                                                              | kg       | 1,2400  | 55,00  | 67,83     |
|    | 5440089                       | Banda adeziva izolatoare pe compound policasin, marca "ЛСЭПЛ", latime 20-30 mm, grosime de la 0,14 pina la 0,19 mm inclusiv                               | kg       | 0,4000  | 100,00 | 40,00     |
| 23 |                               | Conector cablu, DC (MC4)                                                                                                                                  | buc      |         |        | 60,000    |
|    |                               |                                                                                                                                                           |          |         |        | 0,000     |
|    | 2455896-4                     | Conector cablu, DC (MC4)                                                                                                                                  | buc      | 1,0000  | 60,00  | 60,00     |
| 24 | 08-01-101-2                   | Montarea invertor                                                                                                                                         | buc      |         |        | 714,350   |
|    |                               |                                                                                                                                                           |          |         |        | 672,000   |
|    | 1                             | Muncitor                                                                                                                                                  | h-om     | 11,2000 | 60,00  | 672,00    |
|    | 1011977                       | Suruburi cu piulite si saibe                                                                                                                              | kg       | 0,7700  | 55,00  | 42,35     |

| 1  | 2                 | 3                                                                                                             | 4      | 5       | 6        | 7                      |
|----|-------------------|---------------------------------------------------------------------------------------------------------------|--------|---------|----------|------------------------|
| 25 | 11-04-008-04      | Montzrea panoului fotovoltaic, masa, kg, pina la: 30                                                          | buc    |         |          | 198,900<br>185,400     |
|    | 1                 | Muncitor                                                                                                      | h-om   | 3,0900  | 60,00    | 185,40                 |
|    | 400001            | Autocamion de bord, tonaj pina la 5 t                                                                         | h-ut   | 0,0300  | 450,00   | 13,50                  |
| 26 | 11-04-001-03      | Rama de montaj pentru panouri fotovoltaice                                                                    | buc    |         |          | 247,200<br>247,200     |
|    | 1                 | Muncitor                                                                                                      | h-om   | 4,1200  | 60,00    | 247,20                 |
| 27 |                   | Surub autofiletant (self tapping bolt) M6.3 x 100                                                             | buc    |         |          | 12,000<br>0,000        |
|    | 333455434533452-1 | Surub autofiletant (self tapping bolt) M6.3 x 100                                                             | buc    | 1,0000  | 12,00    | 12,00                  |
| 28 |                   | Profil metalic de sustinere (single rail) 400 mm                                                              | buc    |         |          | 50,000<br>0,000        |
|    | 333455434533452-2 | Profil metalic de sustinere (single rail) 400 mm                                                              | buc    | 1,0000  | 50,00    | 50,00                  |
| 29 |                   | Clema rapida de mijloc (rail mid clamp) 35 mm                                                                 | buc    |         |          | 25,000<br>0,000        |
|    | 333455434533452-3 | Clema rapida de mijloc (rail mid clamp) 35 mm                                                                 | buc    | 1,0000  | 25,00    | 25,00                  |
| 30 |                   | Clema rapida de capat (rail end clamp) 35 mm                                                                  | buc    |         |          | 25,000<br>0,000        |
|    | 333455434533452-4 | Clema rapida de capat (rail end clamp) 35 mm                                                                  | buc    | 1,0000  | 25,00    | 25,00                  |
| 31 | 08-02-472-9       | Conductor de legare la pamint, deschis, pe suporturi de constructii, din otel rotund (zincat), diametru 16 mm | 100 m  |         |          | 3 547,758<br>1 278,000 |
|    | 1                 | Muncitor                                                                                                      | h-om   | 21,3000 | 60,00    | 1 278,00               |
|    | 1011924           | Electrozi 342A, diametru 4 mm                                                                                 | kg     | 0,9000  | 52,00    | 46,80                  |
|    | 1019100           | Cartus pentru impuscat                                                                                        | 10 buc | 8,2000  | 25,00    | 205,00                 |
|    | 1019109           | Dibluri pentru conexiune                                                                                      | 10 buc | 8,2000  | 15,00    | 123,00                 |
|    | 1019852           | Vopsea                                                                                                        | kg     | 2,4000  | 75,00    | 180,00                 |
|    | 5009031           | Scoabe                                                                                                        | 10 buc | 1,5000  | 15,00    | 22,50                  |
|    | 5009105           | Suportul corpului de iluminat                                                                                 | 10 buc | 13,4000 | 100,00   | 1 340,00               |
|    | 021102            | Macara pe sasiu auto la lucrari de montare a utilajului tehnologic (cu exceptia conductelor principale), 10 t | h-ut   | 0,1900  | 300,00   | 57,50                  |
|    | 040502            | Instalatii pentru sudare manuala cu arc electric (de curent continuu)                                         | h-ut   | 3,3600  | 65,00    | 218,29                 |
|    | 400002            | Automobile cu bord, tonaj pina la 8 t                                                                         | h-ut   | 0,1900  | 400,00   | 76,67                  |
| 32 |                   | Varga de otel d=16mm                                                                                          | m      |         |          | 37,000<br>0,000        |
|    | 53453453433-1     | Varga de otel d=16mm                                                                                          | m      | 1,0000  | 37,00    | 37,00                  |
| 33 |                   | Platbanda din otel 25x4mm                                                                                     | m      |         |          | 35,000<br>0,000        |
|    | 53453453433-2     | Platbanda din otel 25x4mm                                                                                     | m      | 1,0000  | 35,00    | 35,00                  |
| 34 |                   | Conector de legatura pentru impamantare                                                                       | buc    |         |          | 6,000<br>0,000         |
|    | 53453453434-1     | Conector de legatura pentru impamantare                                                                       | buc    | 1,0000  | 6,00     | 6,00                   |
| 35 |                   | Element de imbinare sina de aliaj metalic                                                                     | buc    |         |          | 10,000<br>0,000        |
|    | 53453453434-2     | Element de imbinare sina de aliaj metalic                                                                     | buc    | 1,0000  | 10,00    | 10,00                  |
|    |                   | <b>2. Utilaj</b>                                                                                              |        |         |          |                        |
| 36 |                   | Contor electronic trifaz.bidirectional (LUN23, 3x220/380V 5(100)A)                                            | buc    |         |          | 2 500,000<br>0,000     |
|    | 53453451223       | Contor electronic trifaz.bidirectional (LUN23, 3x220/380V 5(100)A)                                            | buc    | 1,0000  | 2 500,00 | 2 500,00               |
| 37 |                   | Intrerupator de sarcina, modular (BH-32 3P 63A)                                                               | buc    |         |          | 115,000<br>0,000       |
|    | 1111000100023-1   | Intrerupator de sarcina, modular (BH-32 3P 63A)                                                               | buc    | 1,0000  | 115,00   | 115,00                 |
| 38 |                   | Intrerupator automat, modular (BA 47-29 3P                                                                    | buc    |         |          | 105,000                |

| 1  | 2               | 3                                                                   | 4   | 5      | 6         | 7          |
|----|-----------------|---------------------------------------------------------------------|-----|--------|-----------|------------|
|    |                 | B25)                                                                |     |        |           | 0,000      |
|    | 1111000100023-2 | Intrerupator automat, modular (BA 47-29 3P B25)                     | buc | 1,0000 | 105,00    | 105,00     |
| 39 |                 | Intrerupator automat, modular (BA 47-29 3P C25)                     | buc |        |           | 105,000    |
|    |                 |                                                                     |     |        |           | 0,000      |
|    | 1111000100023-3 | Intrerupator automat, modular (BA 47-29 3P C25)                     | buc | 1,0000 | 105,00    | 105,00     |
| 40 |                 | Intrerupator automat, modular (BA 47-29 3P C32)                     | buc |        |           | 98,000     |
|    |                 |                                                                     |     |        |           | 0,000      |
|    | 1111000100023-4 | Intrerupator automat, modular (BA 47-29 3P C32)                     | buc | 1,0000 | 98,00     | 98,00      |
| 41 |                 | Limitator supratensiune, modular (TRS C40 4P AC)                    | buc |        |           | 191,642    |
|    |                 |                                                                     |     |        |           | 0,000      |
|    | 1111000100023-5 | Limitator supratensiune, modular (TRS C40 4P AC)                    | buc | 1,0000 | 191,64    | 191,64     |
| 42 |                 | Limitator supratensiune, modular (TRS3 C40 2P DC)                   | buc |        |           | 140,090    |
|    |                 |                                                                     |     |        |           | 0,000      |
|    | 1111000100023-6 | Limitator supratensiune, modular (TRS3 C40 2P DC)                   | buc | 1,0000 | 140,09    | 140,09     |
| 43 |                 | Separator modular, pentru sigurante fuzibile (WSPV-32 2P 1500V DC)  | buc |        |           | 180,000    |
|    |                 |                                                                     |     |        |           | 0,000      |
|    | 1111000100023-7 | Separator modular, pentru sigurante fuzibile (WSPV-32 2P 1500V DC)  | buc | 1,0000 | 180,00    | 180,00     |
| 44 |                 | Sigurante fuzibile (HPPV-30 20A 1000V DC, 10x38)                    | buc |        |           | 40,000     |
|    |                 |                                                                     |     |        |           | 0,000      |
|    | 1111000100023-8 | Sigurante fuzibile (HPPV-30 20A 1000V DC, 10x38)                    | buc | 1,0000 | 40,00     | 40,00      |
| 45 |                 | Panou de evidenta, AC (BZUM-TF63)                                   | buc |        |           | 2 000,000  |
|    |                 |                                                                     |     |        |           | 0,000      |
|    | 1111000154344   | Panou de evidenta, AC (BZUM-TF63)                                   | buc | 1,0000 | 2 000,00  | 2 000,00   |
| 46 |                 | Cofret PVC aplicabil 18 module IP54                                 | buc |        |           | 560,000    |
|    |                 |                                                                     |     |        |           | 0,000      |
|    | 111100010068    | Cofret PVC aplicabil 18 module IP54                                 | buc | 1,0000 | 560,00    | 560,00     |
| 47 |                 | Cofret PVC aplicabil 12 module IP54                                 | buc |        |           | 520,000    |
|    |                 |                                                                     |     |        |           | 0,000      |
|    | 111100010078    | Cofret PVC aplicabil 12 module IP54                                 | buc | 1,0000 | 520,00    | 520,00     |
| 48 |                 | Invertor trifazat DC/AC (SOFAR 15KTLC-G3 15 kW 50 Hz)               | buc |        |           | 28 416,660 |
|    |                 |                                                                     |     |        |           | 0,000      |
|    | 7765645-1       | Invertor trifazat DC/AC (SOFAR 15KTLC-G3 15 kW 50 Hz)               | buc | 1,0000 | 28 416,66 | 28 416,66  |
| 49 |                 | Panouri solare mono-cristaline (SPOLAR PV SP550HM6-55L 550W)        | buc |        |           | 4 375,000  |
|    |                 |                                                                     |     |        |           | 0,000      |
|    | 85669           | Panouri solare mono-cristaline (SPOLAR PV SP550HM6-55L 550W)        | buc | 1,0000 | 4 375,00  | 4 375,00   |
|    |                 | <b>3. Lucrari de punere in functiune a utilajului electrotehnic</b> |     |        |           |            |
| 50 | 1-11-028-1      | Dare in exploatare a centralei electrice fotovoltaice               | set |        |           | 9 166,660  |
|    |                 |                                                                     |     |        |           | 0,000      |
|    | 1-11-028-1      | Dare in exploatare a centralei electrice fotovoltaice               | set | 1,0000 | 9 166,66  | 9 166,66   |

**APROBAT:**

**Intocmit**

**Investitor**

(funcția, semnătura, numele, prenumele)

(funcția, semnătura, numele, prenumele)

L.S.

L.S.