

FORMULAR F1

Obiectiv :

INLOCUIRE CONDUCTA DE TRANSPORT TITEI Ø4. 1/2" + 85/8" COMANESTI – VERMESTI  
ZONA I SUBTRAVERSARE LINIE C.F. SI D.N.

Proiectant :

Centralizatorul  
cheltuielilor pe obiectiv

| Nr. Crt.                         | Nr.cap./subcap. deviz general | Denumirea capitolelor de cheltuieli             | Valoarea cheltuielilor/obiect exclusiv TVA |          | Din care C+M |          |
|----------------------------------|-------------------------------|-------------------------------------------------|--------------------------------------------|----------|--------------|----------|
|                                  |                               |                                                 | Mii lei                                    | Mii euro | Mii lei      | Mii euro |
| 0                                | 1                             | 2                                               | 3                                          | 4        | 5            | 6        |
| 1                                | 1.2                           | Amenajarea terenului                            |                                            |          |              |          |
| 2                                | 1.3                           | Amenajari pentru protectia mediului si aducerea |                                            |          |              |          |
| 3                                | 2                             | Realizarea utilitatilor necesare obiectivului   |                                            |          |              |          |
| 6                                | 4                             | Investitia de baza                              |                                            |          |              |          |
| 7                                | 5.1                           | Organizare de santier                           |                                            |          |              |          |
| TOTAL VALOARE ( exclusiv TVA ) : |                               |                                                 |                                            |          |              |          |
| Taxa pe valoarea adaugata        |                               |                                                 |                                            |          |              |          |
| TOTAL VALOARE ( inclusiv TVA ) : |                               |                                                 |                                            |          |              |          |

Cursul de referinta = 4,4737 lei/euro din data de 07.10.2016

Proiectant



FORMULAR F2

Obiectiv :

INLOCUIRE CONDUCTA DE TRANSPORT TITEI Ø4.1/2" + 8.5/8" COMANESTI – VERMESTI  
ZONA I SUBTRAVERSARE LINIE C.F. SI D.N.

Proiectant :

**Centralizatorul  
cheltuielilor pe categorii de lucrari, pe obiecte**

OBIECT: AMENAJARE TEREN

| Nr.<br>crt. | Nr.cap./subcap.<br>deviz pe obiect | Cheltuieli pe categoria de lucrari                        | Valoarea, exclusiv TVA |          |
|-------------|------------------------------------|-----------------------------------------------------------|------------------------|----------|
|             |                                    |                                                           | Mii lei                | Mii euro |
| 0           | 1                                  | 2                                                         | 3                      | 4        |
| 1           | I                                  | Lucrari de constructii                                    |                        |          |
|             |                                    |                                                           |                        |          |
| 3           |                                    | Constructii                                               |                        |          |
|             |                                    | 253801 DEMONTARE CD EXISTENTA D=4 1/2"                    |                        |          |
|             |                                    | 253802 AMENAJARE TEREN TRASEU CD PROIECTATA               |                        |          |
|             |                                    | 253803 AMENAJARE TRASEU CD EXIST 4 1/2" CARE SE VA DEMOLA |                        |          |
|             |                                    | TOTAL I                                                   |                        |          |
| 4           | II                                 | Montaj utilaje si echipamente tehnologice                 |                        |          |
|             |                                    | TOTAL II                                                  |                        |          |
| 5           | III                                | Procurare                                                 |                        |          |
| 6           | 4.3                                | Utilaje si echipamente tehnologice                        |                        |          |
| 7           | 4.4                                | Utilaje si echipamente de transport                       |                        |          |
| 8           | 4.5                                | Dotari                                                    |                        |          |
|             |                                    | TOTAL III                                                 |                        |          |
|             |                                    | TOTAL VALOARE (exclusiv TVA):                             |                        |          |
|             |                                    | Taxa pe valoarea adaugata                                 |                        |          |
|             |                                    | TOTAL (inclusiv TVA) :                                    |                        |          |

Cursul de referinta = 4.4737 lei/euro din data de 07.10.2016



FORMULAR F2

Obiectiv :

INLOCUIRE CONDUCTA DE TRANSPORT TITEI Ø4.1/2" + 85/8" COMANESTI – VERMESTI  
ZONA I SUBTRAVERSARE LINIE C.F. SI D.N.

Proiectant :

**Centralizatorul  
cheltuielilor pe categorii de lucrari, pe obiecte**

OBIECT: CONSTRUCTII SI INSTALATII

| Nr. crt. | Nr.cap./subcap. deviz pe obiect | Cheltuieli pe categoria de lucrari                                                 | Valoarea, exclusiv TVA |          |
|----------|---------------------------------|------------------------------------------------------------------------------------|------------------------|----------|
|          |                                 |                                                                                    | Mii lei                | Mii euro |
| 0        | 1                               | 2                                                                                  | 3                      | 4        |
| 1        | I                               | Lucrari de constructii                                                             |                        |          |
| 3        |                                 | Constructii                                                                        |                        |          |
|          |                                 | 253804 MONTAJ CD D=4 1/2" X 127M                                                   |                        |          |
|          |                                 | 253805 SUBTRAVERSARE CF SI DN CU CD D=4 1/2" (TUB PROT, INST. SCURGERE SI AERISIRE |                        |          |
|          |                                 | 253806 IZOLAREA ANTICOROZIVA                                                       |                        |          |
|          |                                 | 253807 PREG PT PROT CATODICA                                                       |                        |          |
|          |                                 | 253808 PROT CATODICA SI LEGARE LA PAMANT                                           |                        |          |
|          |                                 | 253809 VERIFIC.CALITATII IZOLATIEI                                                 |                        |          |
|          |                                 | 253810 PUNEREA IN FUNCTIUNE                                                        |                        |          |
|          |                                 | 253811 INVESTIGARE STARE TEHNICA A IZOL CD                                         |                        |          |
|          |                                 | 253812 PILOTAJ SPRIJIN.MAL GROAPA INTRODUCERE FREZA                                |                        |          |
|          |                                 | TOTAL I                                                                            |                        |          |
| 4        | II                              | Montaj utilaje si echipamente tehnologice                                          |                        |          |
|          |                                 | TOTAL II                                                                           |                        |          |
| 5        | III                             | Procurare                                                                          |                        |          |
| 6        | 4.3                             | Utilaje si echipamente tehnologice                                                 |                        |          |
| 7        | 4.4                             | Utilaje si echipamente de transport                                                |                        |          |
| 8        | 4.5                             | Dotari                                                                             |                        |          |
|          |                                 | TOTAL III                                                                          |                        |          |
|          |                                 | TOTAL VALOARE (exclusiv TVA):                                                      |                        |          |
|          |                                 | Taxa pe valoarea adaugata                                                          |                        |          |
|          |                                 | TOTAL (inclusiv TVA) :                                                             |                        |          |

Cursul de referinta = 4.4737 lei/euro din data de 07.10.2016

Proiectant



Obiectivul: 2538 45120000 INLOC CD TITEI 4 1/2+8 5/8  
 COMANESTI VERNESTI ZONA I  
 Obiectul: 0001 45120000 AMENAJARE TEREN

Lista cu cantitatile de lucrari  
 Deviz oferta 253801 DEMONTARE CD EXISTENTA D=4 1/2"

Categoria de lucrari: 0530

| NR.             | SIMBOL ART.   | CANTITATE | UM      | PU MAT    | VAL MAT |
|-----------------|---------------|-----------|---------|-----------|---------|
| D E N U M I R E |               |           |         | PU MAN    | VAL MAN |
|                 | A R T I C O L |           |         | PU UTI    | VAL UTI |
|                 |               |           |         | PU TRA    | VAL TRA |
| SPOR MAT        | MAN UTI       | GR./UA    | GR.TOT. | T O T A L |         |

001 IZJ11B1 MP. 0.500  
 DESFAC PROTEC IZOLAT DIN CARTON SAU  
 IMPISLITURA BITUM DOUA STRATURI

002 RPAC13B1 BUC. 6.000  
 TAIEREA IN SANT CU CUTIT CU ROLE A  
 TUBURILOR DE OTEL GROS.PERETI 5-6 MM.  
 AVIND. 80-100 MM\*

003 GD08C1 BUC. 2.000  
 CAPAC BOMBAT DIN TABLA DE OTEL SUDAT LA  
 TEVI AVIND DN=100 MM

004 M1M05C1 M 146.000  
 DEMONTAREA CONDUCTEI DIN OL MONTATA IN  
 CANAL LA 1M ADINCIME SAU SUPRATERAN PINA  
 LA H=3M DN=100;1

005 M1M06C1 BUC. 7.000  
 DEMONTAT COT SAU REDUCTIE MONTAT IN  
 CANAL PINA LA 1M ADINC SAU SUPRATERAN  
 PINA LA H=3M DN=100,12

006 M1M07C1 10 KG. 15.000  
 DEMONTARE SUPORTI FICSI SAU MOBILI SAU  
 CONFECTII METALICE DIVERSE CU GREUTATE  
 DELA 25KG/BUC

007 DF24A1 BUC. 2.000  
 SEMNALIZARE RUTIERA ASIG CONTINU  
 CIRCULATIEI IN TIMP EXECUT LUCRARI CU  
 INDICATOARE METALICE

008 TSA12C1 M.C. 9.000  
 SAP.MAN.IN GROPI CU LARG.1-1,5M CU  
 SPRIJ.EVAC.MAN.IN PAM.CU UMID.NAT.LA  
 ADINC.0,0-1,5M,T.TARE





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009 TSF02B1 MP. 30.000  
 SPRIJ.MAL.CU DULAPI FAG.ASEZ.ORIZ.LAT.  
 INTRE MAL.1,51-2,5M LA ADINC.0,0-2M;0,21  
 -0,6 M INTRE DULAP

010 TSA05C1 M.C. 82.000  
 SAP.MAN.IN SPATII LIMIT.PESTE 1M CU  
 TALUZ INCL.IN PAM.CU UMID.NAT.ADINC.0,0-  
 2M,T.TARE

011 TSD01C1 M.C. 91.000  
 IMPRASTIEREA CU LOPATA A PAMINT.AFINAT,  
 STRAT UNIFORM 10-30CM.GROS CU SFARIM.  
 BULG.TEREN TARE

012 TSD04D1 M.C. 91.000  
 COMPACTAREA CU MAI.DE MINA A UMPLUT.  
 EXECUT.PE STRAT.CU UDAREA FIEC.STRAT DE  
 20CM GROS.T.COEZIV

013 TRA05A10 TONA 9.100  
 TRANSPORT RUTIER MATERIALE,SEMIFABRICATE  
 CU AUTOVEHIC.SPECIALA(CISTERNA,BETON.  
 ETC)PE DIST.DE 10

014 AUT3554 ORA 6.000  
 BULDOZER PE SENILE 81-180CP

015 AUT6751 ORA 8.000  
 AUTOMACARA 5TF,HMA=6,5M,DESCHIDERE MAX=  
 5,5M

016 TRI1AC07E1 TONA 3.400  
 INCARCARE MAT.GR.C-AMBALATE,PESTE 100KG  
 DEPLAS.PRIN TRANSP.PINA LA 10M,ASEZ.  
 RAMPA,TEREN-AUTO CTG

017 TRI1AC15E1 TONA 3.400  
 DESCARCARE MAT.GR.C-AMBALATE,PESTE 100KG  
 DEP.PRIN PURTARE PINA LA 10M,ASEZ.AUTO-  
 RAMPA,TEREN CTG.

018 TRA04A10 TONA 3.400  
 TRANSPORT RUTIER MATER.SEMIFABR. CU  
 AUTOREMORCHERE CU REMORCI TREILER SUB  
 20T PE DIS.10 KM.\*

Cheltuieli directe din articole:

| GREUTATE | MATERIALE | MANOPERA | UTILAJ | TRANSPORT | TOTAL |
|----------|-----------|----------|--------|-----------|-------|
|----------|-----------|----------|--------|-----------|-------|

Din care:

Valoare aferenta utilaje termice =

Valoare aferenta utilaje electrice =

Detaliiere transporturi:



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-Articole TRA

Alte cheltuieli directe:

-CAS:  
-SOMAJ:  
-FOND AMBP 0.693 %  
-CASS 5.2 %  
-FOND DE GARANTARE CREANTE SALARIALE 0.25 %  
-FNUASS 0.85 %

Total cheltuieli directe:

| GREUTATE | MATERIALE | MANOPERA | UTILAJ | TRANSPORT | TOTAL |
|----------|-----------|----------|--------|-----------|-------|
|----------|-----------|----------|--------|-----------|-------|

Cheltuieli indirecte:

Profit:

TOTAL GENERAL DEVIZ:

PROIECTANT

CONTRACTANT (OFERTANT)

DEVIZIER



## Formularul F3

Obiectivul: 2538 45120000 INLOC CD TITEI 4 1/2+8 5/8  
 COMANESTI VERNESTI ZONA I  
 Obiectul: 0001 45120000 AMENAJARE TEREN

Lista cu cantitatile de lucrari  
 Deviz oferta 253802 AMENAJARE TEREN TRASEU CD PROIECTATA

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Categorია de lucrari: 0530

| NR. SIMBOL ART.  | CANTITATE     | UM      | PU MAT | VAL MAT   | = |
|------------------|---------------|---------|--------|-----------|---|
| D E N U M I R E  |               |         | PU MAN | VAL MAN   | = |
|                  | A R T I C O L |         | PU UTI | VAL UTI   | = |
|                  |               |         | PU TRA | VAL TRA   | = |
| SPOR MAT MAN UTI | GR./UA        | GR.TOT. |        | T O T A L | = |

001 TSH01A1 100 MP. 3.040  
 DEGAJAREA TERENULUI DE CORPURI STRAINE

002 NMB319721 ORA 1.000  
 MUNCITOR INCARCARE-DESCARE MATERIALE  
 CAT.2

003 7461776 MP. 76.000  
 FOLIE GEOTEXTILA PROTECTOARE

004 TSA01B1 M.C. 69.000  
 SAP.MAN.IN SPATII INTINSE IN PAM.CU  
 UMID.NAT.ARUNC.IN DEPOZ.SAU VEHIC.LA H  
 <0,6M T.MIJLOCIU\*

005 TRB04B2 TONA 118.000  
 TRANSPORTUL MATERIALELOR CU LOPATA (MAX.  
 3M ORIZ SAU 2M VERT) MATERIALE FARA  
 ADERENTA 2 LOPATARE

006 TSE01B1 100 MP. 2.280  
 NIVELAREA MANUALA A TERENURILOR SI A  
 PLATFORMELOR CU DENIVELARI DE 10-20 CM  
 IN TEREN MIJLOCIU

007 TSH13B1 TONA 0.005  
 ADMINISTRAREA INGRASAMINTELOR CHIMICE,  
 DIN AZOT DE AMONIU GRANULAT CU  
 CONCENTRATIE 33% AZOT \*

008 TSH09A1 100 MP. 2.280  
 SEMANAREA GAZONULUI PE SUPRAFETE  
 ORIZONTALE SAU IN PANTA SUB 30% \*



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|                                       |         |      |       |
|---------------------------------------|---------|------|-------|
| 009                                   | TSD14A1 | M.C. | 1.140 |
| UDAREA CU AUTOCIST.DE 5-8T CU DISP.DE |         |      |       |
| STROP.STR.                            |         |      |       |

|                                      |        |     |       |
|--------------------------------------|--------|-----|-------|
| 010                                  | M2I15A | MP. | 1.000 |
| PLACA INDIC.CUPRINZIND CARACT.FUNIC. |        |     |       |
| INSTR.DE EXPLOATARE SI PROT.MUNCII   |        |     |       |

|                                           |          |      |       |
|-------------------------------------------|----------|------|-------|
| 011                                       | TRA05A10 | TONA | 1.140 |
| TRANSPORT RUTIER MATERIALE, SEMIFABRICATE |          |      |       |
| CU AUTOVEHIC.SPECIALA (CISTERNA, BETON.   |          |      |       |
| ETC) PE DIST.DE 10                        |          |      |       |

Cheltuieli directe din articole:

|          |           |          |        |           |       |
|----------|-----------|----------|--------|-----------|-------|
| GREUTATE | MATERIALE | MANOPERA | UTILAJ | TRANSPORT | TOTAL |
|----------|-----------|----------|--------|-----------|-------|

Din care:

Valoare aferenta utilaje termice =

Valoare aferenta utilaje electrice =

Detaliere transporturi:

-Articole TRA

Alte cheltuieli directe:

-CAS:

-SOMAJ:

-FOND AMBP 0.693 %

-CASS 5.2 %

-FOND DE GARANTARE CREANTE SALARIALE 0.25 %

-FNUASS 0.85 %

Total cheltuieli directe:

|          |           |          |        |           |       |
|----------|-----------|----------|--------|-----------|-------|
| GREUTATE | MATERIALE | MANOPERA | UTILAJ | TRANSPORT | TOTAL |
|----------|-----------|----------|--------|-----------|-------|

Cheltuieli indirecte:

Profit:

TOTAL GENERAL DEVIZ:

PROIECTANT

CONTRACTANT (OFERTANT)

DEVIZIER



## Formularul F3

Obiectivul: 2538 45120000 INLOC CD TITEI 4 1/2+8 5/8  
 COMANESTI VERNESI ZONA I  
 Obiectul: 0001 45120000 AMENAJARE TEREN

Lista cu cantitatile de lucrari  
 Deviz oferta 253803 AMENAJARE TRASEU CD EXIST 4 1/2"  
 CARE SE VA DEMOLA

Categoria de lucrari: 0530

| NR. | SIMBOL ART.      | CANTITATE     | UM      | PU MAT | VAL MAT   | = |
|-----|------------------|---------------|---------|--------|-----------|---|
| =   | D E N U M I R E  |               |         | PU MAN | VAL MAN   | = |
| =   |                  | A R T I C O L |         | PU UTI | VAL UTI   | = |
| =   |                  |               |         | PU TRA | VAL TRA   | = |
| =   | SPOR MAT MAN UTI | GR./UA        | GR.TOT. |        | T O T A L | = |

001 TSH01A1 100 MP. 4.480  
 DEGAJAREA TERENULUI DE CORPURI STRAINE

002 NMB319721 ORA 3.000  
 MUNCITOR INCARCARE-DESCARE MATERIALE  
 CAT.2

003 7461776 MP. 224.000  
 FOLIE GEOTEXTILA PROTECTOARE

004 TSA01B1 M.C. 68.000  
 SAP.MAN.IN SPATII INTINSE IN PAM.CU  
 UMID.NAT.ARUNC.IN DEPOZ.SAU VEHIC.LA H  
 <0,6M T.MIJLOCIU\*

005 TRB04B2 TONA 115.000  
 TRANSPORTUL MATERIALELOR CU LOPATA(MAX.  
 3M ORIZ SAU 2M VERT) MATERIALE FARA  
 ADERENTA 2 LOPATARE

006 TSE01B1 100 MP. 2.240  
 NIVELAREA MANUALA A TERENURILOR SI A  
 PLATFORMELOR CU DENIVELARI DE 10-20 CM  
 IN TEREN MIJLOCIU

007 TSH13B1 TONA 0.005  
 ADMINISTRAREA INGRASAMINTELOR CHIMICE,  
 DIN AZOT DE AMONIU GRANULAT CU  
 CONCENTRATIE 33% AZOT \*

008 TSH09A1 100 MP. 2.240  
 SEMANAREA GAZONULUI PE SUPRAFETE  
 ORIZONTALE SAU IN PANTA SUB 30% \*



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|     |         |      |       |
|-----|---------|------|-------|
| 009 | TSD14A1 | M.C. | 1.120 |
|-----|---------|------|-------|

UDAREA CU AUTOCIST.DE 5-8T CU DISP.DE  
STROP.STR.

|     |          |      |       |
|-----|----------|------|-------|
| 011 | TRA05A10 | TONA | 1.120 |
|-----|----------|------|-------|

TRANSPORT RUTIER MATERIALE, SEMIFABRICATE  
CU AUTOVEHIC.SPECIALE (CISTERNA, BETON.  
ETC) PE DIST.DE 10

Cheltuieli directe din articole:

|          |           |          |        |           |       |
|----------|-----------|----------|--------|-----------|-------|
| GREUTATE | MATERIALE | MANOPERA | UTILAJ | TRANSPORT | TOTAL |
|----------|-----------|----------|--------|-----------|-------|

Din care:

Valoare aferenta utilaje termice =

Valoare aferenta utilaje electrice =

Detaliiere transporturi:

-Articole TRA

Alte cheltuieli directe:

-CAS:

-SOMAJ:

-FOND AMBP 0.693 %

-CASS 5.2 %

-FOND DE GARANTARE CREANTE SALARIALE 0.25 %

-FNUASS 0.85 %

Total cheltuieli directe:

|          |           |          |        |           |       |
|----------|-----------|----------|--------|-----------|-------|
| GREUTATE | MATERIALE | MANOPERA | UTILAJ | TRANSPORT | TOTAL |
|----------|-----------|----------|--------|-----------|-------|

Cheltuieli indirecte:

Profit:

TOTAL GENERAL DEVIZ:

PROIECTANT

CONTRACTANT (OFERTANT)

DEVIZIER



## Formularul F3

Obiectivul: 2538 45120000 INLOC CD TITEI 4 1/2+8 5/8  
 COMANESTI VERNESTI ZONA I  
 Obiectul: 0002 45120000 CONSTRUCTII SI INSTALATII

Lista cu cantitatile de lucrari  
 Deviz oferta 253804 MONTAJ CD D=4 1/2" X 127M

Categoria de lucrari: 0530

| = NR. SIMBOL ART.  | CANTITATE     | UM      | PU MAT | VAL MAT   | = |
|--------------------|---------------|---------|--------|-----------|---|
| = D E N U M I R E  |               |         | PU MAN | VAL MAN   | = |
|                    | A R T I C O L |         | PU UTI | VAL UTI   | = |
|                    |               |         | PU TRA | VAL TRA   | = |
| = SPOR MAT MAN UTI | GR./UA        | GR.TOT. |        | T O T A L | = |

001 TSA12C1 M.C. 6.000  
 SAP.MAN.IN GROPI CU LARG.1-1,5M CU  
 SPRIJ.EVAC.MAN.IN PAM.CU UMID.NAT.LA  
 ADINC.0,0-1,5M,T.TARE

002 TSA14C1 M.C. 20.000  
 SAP.MAN.IN GROPI CU LARG.1,5-6M CU  
 SPRIJ.EVAC.MAN. IN PAM.CU UMID.NAT.  
 ADINC.0,0-2M,T.TARE

003 TSF02B1 MP. 40.000  
 SPRIJ.MAL.CU DULAPI FAG.ASEZ.ORIZ.LAT.  
 INTRE MAL.1,51-2,5M LA ADINC.0,0-2M;0,21  
 -0,6 M INTRE DULAP

004 TSA05C1 M.C. 9.500  
 SAP.MAN.IN SPATII LIMIT.PESTE 1M CU  
 TALUZ INCL.IN PAM.CU UMID.NAT.ADINC.0,0-  
 2M,T.TARE

005 GD09B1% M.C. 3.800  
 DRENAJ PTR. CONDUCTE DE DISTRIBUTIE DIN  
 POLIETILENA

006 DA05A1 M.C. 1.000  
 SEPARAREA MANUALA A MATERIALULUI  
 SCARIFICAT

007 TSD01C1 M.C. 35.500  
 IMPRASTIEREA CU LOPATA A PAMINT.AFINAT,  
 STRAT UNIFORM 10-30CM.GROS CU SFARIM.  
 BULG.TEREN TARE

008 TSD04D1 M.C. 35.500  
 COMPACTAREA CU MAI.DE MINA A UMPLUT.  
 EXECUT.PE STRAT.CU UDAREA FIEC.STRAT DE  
 20CM GROS.T.COEZIV



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|     |         |      |       |
|-----|---------|------|-------|
| 009 | M1J04B1 | TONA | 1.870 |
|-----|---------|------|-------|

COND.OTEL CARBON,MONTATA PRIN SUDURA  
ELECTRICA CU MOTOR TERMIC,IN INST.  
TEHNOLOGICE.80-150.MM.

|     |         |      |        |
|-----|---------|------|--------|
| 010 | 6202818 | M.C. | -0.748 |
|-----|---------|------|--------|

APA INDUSTRIALA PENTRU MORTARE SI  
BETOANE DELA RETEA

|     |         |     |        |
|-----|---------|-----|--------|
| 011 | AUT2505 | ORA | -2.561 |
|-----|---------|-----|--------|

ELECTROCOMPRES.MOBIL DE JOASA PRES.10 -  
20 MC/MIN

|     |         |     |        |
|-----|---------|-----|--------|
| 012 | AUT3304 | ORA | -2.992 |
|-----|---------|-----|--------|

ELECTROPOMPA MONOETAJ.DE JOASA PRES.PT  
APA 15-30 KW

|     |        |     |       |
|-----|--------|-----|-------|
| 013 | GA02C1 | HM. | 0.360 |
|-----|--------|-----|-------|

TEAVA DE OTEL CU GROS 7-9MM MONTAT CU  
EXECUTIE MANUALA DN= 100 MM TEREN NORMAL

|     |         |    |        |
|-----|---------|----|--------|
| 014 | 2600294 | KG | -0.115 |
|-----|---------|----|--------|

BITUM PENTRU PROTECTIA CONDUCTELOR METAL  
INGROPATE SPP 70 S 2484

|     |         |    |        |
|-----|---------|----|--------|
| 015 | 2600282 | KG | -2.160 |
|-----|---------|----|--------|

BITUM PENTRU PROTECTIA CONDUCTELOR METAL  
INGROPATE SP 95 S 2484

|     |         |     |        |
|-----|---------|-----|--------|
| 016 | 2601913 | MP. | -0.648 |
|-----|---------|-----|--------|

IMPASLITURA FIBRE STICLA OBISNUITA I 60

|     |         |     |        |
|-----|---------|-----|--------|
| 017 | 2601664 | MP. | -0.666 |
|-----|---------|-----|--------|

CARTON BITUMAT FARA STRAT ACOPERITOR  
(BLANC) CI400 130CMX20M S 138

|     |         |     |        |
|-----|---------|-----|--------|
| 018 | AUT4030 | ORA | -0.072 |
|-----|---------|-----|--------|

TOPITOR DE BITUM TRACTAT(EXCLUS.  
TRACTORUL) 500-1000L

|     |         |   |         |
|-----|---------|---|---------|
| 019 | 3278515 | M | 128.000 |
|-----|---------|---|---------|

TEAVA PREIZOLATA 114.3X8MM L360N PSL2





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|                                          |      |        |
|------------------------------------------|------|--------|
| 020 NMB019621                            | ORA  | 1.000  |
| SAPATOR CAT.2                            |      |        |
|                                          |      |        |
| 021 7106636                              | M    | 39.000 |
| Banda de marcaj                          |      |        |
|                                          |      |        |
| 022 GD06A1                               | BUC. | 1.000  |
| INDOIREA TEVII PTR EXEC.UNEI CURBE IN    |      |        |
| CUTE AVIND DIAMETRUL NOM.DE=150 MM       |      |        |
|                                          |      |        |
| 023 3278516                              | M    | 3.000  |
| TEAVA 114.3X8.8MM L360N PSL2             |      |        |
|                                          |      |        |
| 024 GD05B1                               | BUC. | 1.000  |
| CURBA DE SUDARE MONTATA LA TEVI AVIND DN |      |        |
| = 4 TOLI                                 |      |        |
|                                          |      |        |
| 025 M1L82A1                              | M    | 1.000  |
| EXEC PIESE SUDATE IN VEDEREA EFECT.      |      |        |
| PROBELOR MARTOR DIN TEAVA OTEL CARBON    |      |        |
| (GR1 CR7)                                |      |        |
|                                          |      |        |
| 026 M1L24A1                              | M    | 7.000  |
| POLIZAREA INTER.A CORDOANELOR DE SUDURA  |      |        |
| LA UTILAJEIN VEDEREA EFECTUARII          |      |        |
| CONTROLULUI NEDISTRUCTIV                 |      |        |
|                                          |      |        |
| 027 M1L05A1                              | BUC. | 19.000 |
| ANALIZA DEFECTOSCOPICA PRIN GAMAGRAFIERE |      |        |
| A SUDUR.COND.DE OTEL CU GROSIMEA MAX.DE  |      |        |
| 14 MM. 150 MM                            |      |        |
|                                          |      |        |
| 028 NMB222791                            | ORA  | 1.000  |
| SUDOR ELECTRIC-B CAT.S                   |      |        |
|                                          |      |        |
| 029 M1J38A1                              | BUC. | 19.000 |
| MARCAREA PRIN POANSONARE A LINIILOR      |      |        |
| TEHNOLOGICE                              |      |        |
|                                          |      |        |
| 030 GC05C1                               | HM.  | 1.270  |
| PROBA DE REZIST.SI REGIM PTR CONTROL     |      |        |
| ETANS.IMBINARI SI ARMATURI EXEC.         |      |        |
| HIDRAULIC LA COND.CU DN=100              |      |        |



=====

|     |        |      |       |
|-----|--------|------|-------|
| 031 | GC06C1 | BUC. | 1.000 |
|-----|--------|------|-------|

PROBA DE PRESIUNE HIDRAULICA A TRONS.DE  
COND.CE TRAVERS CF SAU ALTE OBST.COND.  
AVIND DN=100 MM

|     |         |     |        |
|-----|---------|-----|--------|
| 032 | AUT2920 | ORA | 10.000 |
|-----|---------|-----|--------|

AGREG CIMENTARE CIMENTRUC PT VERIF  
ETANSEITATE CONDUCTE

|     |         |   |         |
|-----|---------|---|---------|
| 033 | TFC02C1 | M | 127.000 |
|-----|---------|---|---------|

SPALAREA HIDROPNEUMATICA A CONDUCTELOR  
DN.100:125

|     |        |      |       |
|-----|--------|------|-------|
| 034 | GC04C1 | BUC. | 1.000 |
|-----|--------|------|-------|

MONTAREA CONTROL SI DEMONT ECHIP LA  
PROBA DE REZIST SI REGIM LA COND CE SE  
PROB CU AER CU DN 100

|     |         |      |       |
|-----|---------|------|-------|
| 035 | 3278098 | BUC. | 1.000 |
|-----|---------|------|-------|

PISTON CU PERII 4"

|     |         |      |       |
|-----|---------|------|-------|
| 036 | 2222240 | BUC. | 2.000 |
|-----|---------|------|-------|

DISPOZITIV GOLIRE+SPALARE CD

|     |        |      |       |
|-----|--------|------|-------|
| 037 | DF18B1 | BUC. | 3.000 |
|-----|--------|------|-------|

PLANTARE STILPI PENTRU INDICATOARE DE  
CIRCULATIE RUTIERA DIN BETON ARMAT  
CONFECTIONATI INDUSTRI

|     |         |      |       |
|-----|---------|------|-------|
| 038 | 3270001 | BUC. | 3.000 |
|-----|---------|------|-------|

INDICATOR DIRECTIE PE TRASEUL  
CONDUCTELOR

|     |        |      |       |
|-----|--------|------|-------|
| 039 | DH18B1 | BUC. | 3.000 |
|-----|--------|------|-------|

VOPSIREA SI SCRIEREA LUCRARILOR  
ACCESORII LA DRU MURI:INDICATORI  
HECTOMETRICI

|     |        |      |       |
|-----|--------|------|-------|
| 040 | DF24A1 | BUC. | 2.000 |
|-----|--------|------|-------|

SEMNALIZARE RUTIERA ASIG CONTINU  
CIRCULATIEI IN TIMP EXECUT LUCRARI CU  
INDICATOARE METALICE

|     |         |     |       |
|-----|---------|-----|-------|
| 041 | AUT3554 | ORA | 6.000 |
|-----|---------|-----|-------|

BULDOZER PE SENILE 81-180CP



=====

042 AUT6751                      ORA                      8.000  
AUTOMACARA 5TF,HMA=6,5M,DESCHIDERE MAX=  
5,5M

043 TRA04B50                      TONA                      40.000  
TRANSPORT RUTIER MATER.SEMIFABR. CU  
AUTOREMORCHERE CU REMORCI TREILER PESTE  
20T PE DIST. 50 KM \*  
ASIMILAT CU TRANSPORT UTILAJE (CIMENTRUC,BULDOZER)

044 TRA01A30                      TONA                      5.900  
TRANSPORTUL RUTIER AL MATERIALELOR,  
SEMIFABRICATELOR CU AUTOBASCULANTA PE  
DIST.= 30 KM.

045 TRA05A10                      TONA                      21.100  
TRANSPORT RUTIER MATERIALE,SEMIFABRICATE  
CU AUTOVEHIC.SPECIALE (CISTERNA,BETON.  
ETC) PE DIST.DE 10

046 TRI1AC07E1                      TONA                      2.700  
INCARCARE MAT.GR.C-AMBALATE,PESTE 100KG  
DEPLAS.PRIN TRANSP.PINA LA 10M,ASEZ.  
RAMPA,TEREN-AUTO CTG

047 TRI1AC15E1                      TONA                      2.700  
DESCARCARE MAT.GR.C-AMBALATE,PESTE 100KG  
DEP.PRIN PURTARE PINA LA 10M,ASEZ.AUTO-  
RAMPA,TEREN CTG.

048 TRA04A10                      TONA                      2.700  
TRANSPORT RUTIER MATER.SEMIFABR. CU  
AUTOREMORCHERE CU REMORCI TREILER SUB  
20T PE DIS.10 KM.\*

Cheltuieli directe din articole:

| GREUTATE                           | MATERIALE | MANOPERA | UTILAJ | TRANSPORT | TOTAL |
|------------------------------------|-----------|----------|--------|-----------|-------|
| Din care:                          |           |          |        |           |       |
| Valoare aferenta utilaje termice   |           |          |        | =         |       |
| Valoare aferenta utilaje electrice |           |          |        | =         |       |

Detaliiere transporturi:  
-Articole TRA

Alte cheltuieli directe:

-CAS:  
-SOMAJ:  
-FOND AMBP 0.693 %  
-CASS 5.2 %  
-FOND DE GARANTARE CREANTE SALARIALE 0.25 %  
-FNUASS 0.85 %

Total cheltuieli directe:

| GREUTATE | MATERIALE | MANOPERA | UTILAJ | TRANSPORT | TOTAL |
|----------|-----------|----------|--------|-----------|-------|
|----------|-----------|----------|--------|-----------|-------|



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Cheltuieli indirecte:  
Profit:

TOTAL GENERAL DEVIZ:

PROIECTANT

CONTRACTANT (OFERTANT)

DEVIZIER



## Formularul F3

Obiectivul: 2538 45120000 INLOC CD TITEI 4 1/2+8 5/8  
 COMANESTI VERNESTI ZONA I  
 Obiectul: 0002 45120000 CONSTRUCTII SI INSTALATII

Lista cu cantitatile de lucrari

Deviz oferta 253805 SUBTRAVERSARE CF SI DN CU CD D=4  
 1/2" (TUB PROTECTIE, INSTAL DE  
 SCURGERE SI AERISIRE)

Categoria de lucrari: 0530

| NR. SIMBOL ART.  | CANTITATE     | UM      | PU MAT | VAL MAT   | = |
|------------------|---------------|---------|--------|-----------|---|
| D E N U M I R E  |               |         | PU MAN | VAL MAN   | = |
|                  | A R T I C O L |         | PU UTI | VAL UTI   | = |
|                  |               |         | PU TRA | VAL TRA   | = |
| SPOR MAT MAN UTI | GR./UA        | GR.TOT. |        | T O T A L | = |

001 GAO9A1 M 91.000  
 SAPARE TUNEL SI INTROD CONCOM A TEVII DE  
 PROT PE SUB DRUM SAU CF CU AJUT FREZEI  
 TEAVA AVIND 324

002 2600294 KG -14.560  
 BITUM PENTRU PROTECTIA CONDUCTELOR METAL  
 INGROPATE SPP 70 S 2484

003 2600282 KG -1015.560  
 BITUM PENTRU PROTECTIA CONDUCTELOR METAL  
 INGROPATE SP 95 S 2484

004 AUT4030 ORA -5.460  
 TOPITOR DE BITUM TRACTAT (EXCLUS.  
 TRACTORUL) 500-1000L

005 3278517 M 93.000  
 TEAVA 273.0X8MM L245 PSL1

006 IZL04B1 M 91.000  
 PROTEJ.CU SIPCI A IZOL.TEVI OTEL  
 SUBTRAV.DRUM SI CAI FERATE IN TUB PROT.,  
 AVIND D DE LA 200-400MM  
 \*\* SPORURI \*\* MAT.: -100.0% MAN.: 0.0% UTI.: 0.0%

007 7454771 BUC. 93.000  
 INELE DISTANTIARE 4"X10"



=====

|     |         |      |       |
|-----|---------|------|-------|
| 008 | M1G12A1 | TONA | 0.020 |
|-----|---------|------|-------|

PIESE GATA UZINATE LIVRATE INDEPENDENT  
0,02-0,5 T.

|     |         |      |       |
|-----|---------|------|-------|
| 009 | 3278518 | BUC. | 2.000 |
|-----|---------|------|-------|

PRESETUPA 4"-10"

|     |        |      |       |
|-----|--------|------|-------|
| 010 | GA11A1 | BUC. | 1.000 |
|-----|--------|------|-------|

INSTALATIE DE SCURGERE SI AERIS.PTR.  
TRAVERSARI DE DRUMURI

|     |         |    |         |
|-----|---------|----|---------|
| 011 | 2600282 | KG | -75.000 |
|-----|---------|----|---------|

BITUM PENTRU PROTECTIA CONDUCTELOR METAL  
INGROPATE SP 95 S 2484

|     |         |     |         |
|-----|---------|-----|---------|
| 012 | 6718518 | MP. | -16.000 |
|-----|---------|-----|---------|

BANDA PROTECTIE PE BAZA DE PVCDE 1 MM  
GROS.

|     |         |   |         |
|-----|---------|---|---------|
| 013 | 3117177 | M | -41.200 |
|-----|---------|---|---------|

TEAVA CONSTRUCTII FARA SUDURA LAMINATA  
LA CALD 51 X 3,5/OLT 55 S 404/2

|     |         |    |        |
|-----|---------|----|--------|
| 014 | 2600294 | KG | -2.200 |
|-----|---------|----|--------|

BITUM PENTRU PROTECTIA CONDUCTELOR METAL  
INGROPATE SPP 70 S 2484

|     |         |   |        |
|-----|---------|---|--------|
| 015 | 3278519 | M | 11.000 |
|-----|---------|---|--------|

TEAVA 60.3X3.5MM L210

|     |         |    |         |
|-----|---------|----|---------|
| 016 | 6310172 | KG | 150.000 |
|-----|---------|----|---------|

CONSTRUCTII METALICE OL37 PREFABRICATE  
MECANO-NEZINCATE

|     |         |      |       |
|-----|---------|------|-------|
| 017 | 3278520 | BUC. | 1.000 |
|-----|---------|------|-------|

CAMIN COLECTARE SCURGERI 521X7.14MM H=3.  
5M

|     |         |      |       |
|-----|---------|------|-------|
| 018 | M1J04B1 | TONA | 0.150 |
|-----|---------|------|-------|

COND.OTEL CARBON,MONTATA PRIN SUDURA  
ELECTRICA CU MOTOR TERMIC,IN INST.  
TEHNOLOGICE.80-150.MM.



=====

019 M1J04D1 TONA 0.548  
COND.OTEL CARBON,MONTATA PRIN SUDURA  
ELECTRICA CU MOTOR TERMIC,IN INST.  
TEHNOLOGICE.> 400 MM

020 IZA01B1 MP. 1.400  
CURATIREA PRIN SABLARE PT PROT  
ANTICOROZIVE SUPRAFMETAL CU NISIP DE RIU

021 IZD08B1 MP. 2.800  
GRUNDUIRE MANUALA,VOPSIRE MECANICA A  
REZER.METAL 1 STRAT VOPSEA MINIU,1 STRAT  
VOPSEA EMAIL AL  
\*\* SPORURI \*\* MAT.: -100.0% MAN.: 0.0% UTI.: 0.0%

022 6100091 KG 0.400  
GRUND ALCHIDIC

023 6100092 KG 0.300  
EMAIL ALCHIDIC

024 NMB222791 ORA 2.000  
SUDOR ELECTRIC-B CAT.S

025 TSA07C1 M.C. 410.000  
SAP.MAN.IN SPATII LIMIT.PESTE 1M CU  
SPRIJ.SI EVAC.MAN.IN PAM.CU UMID.NAT.  
ADINC.0,0-2M,T.TARE

026 TSA07F1 M.C. 455.000  
SAP.MAN.IN SPATII LIMIT.PESTE 1M CU  
SPRIJ.SI EVAC.MAN.IN PAM.CU UMID.NAT.  
ADINC.2,01-4M,T.TARE

027 TSF03B1 MP. 263.000  
SPRIJIN.MAL.CU DULAPI FAG ASEZ.ORIZ.,  
LAT.INTRE MAL.>2,5M,LA ADINC.0,0-4M;0,21  
-0,6M INTRE DULAPI

028 DA05A1 M.C. 86.000  
SEPARAREA MANUALA A MATERIALULUI  
SCARIFICAT

029 TSD01C1 M.C. 865.000  
IMPRASTIEREA CU LOPATA A PAMINT.AFINAT,  
STRAT UNIFORM 10-30CM.GROS CU SFARIM.  
BULG.TEREN TARE



=====

030 TSD04D1 M.C. 865.000  
 COMPACTAREA CU MAI.DE MINA A UMPLUT.  
 EXECUT.PE STRAT.CU UDAREA FIEC.STRAT DE  
 20CM GROS.T.COEZIV

031 AUT6751 ORA 4.000  
 AUTOMACARA 5TF,HMA=6,5M,DESCHIDERE MAX=  
 5,5M

032 TRA05A10 TONA 86.500  
 TRANSPORT RUTIER MATERIALE,SEMIFABRICATE  
 CU AUTOVEHIC.SPECIALE(CISTERNA,BETON.  
 ETC)PE DIST.DE 10

033 TRI1AC07E1 TONA 6.000  
 INCARCARE MAT.GR.C-AMBALATE,PESTE 100KG  
 DEPLAS.PRIN TRANSP.PINA LA 10M,ASEZ.  
 RAMPA,TEREN-AUTO CTG

034 TRA04A10 TONA 6.000  
 TRANSPORT RUTIER MATER.SEMIFABR. CU  
 AUTOREMORCHERE CU REMORCI TREILER SUB  
 20T PE DIS.10 KM.\*

035 TRI1AC15E1 TONA 6.000  
 DESCARCARE MAT.GR.C-AMBALATE,PESTE 100KG  
 DEP.PRIN PURTARE PINA LA 10M,ASEZ.AUTO-  
 RAMPA,TEREN CTG.

036 MDTC4622050 BUC. 1.000  
 TRANSPORT UTILAJ 50KM-65121001-MACARA PE  
 PNEURI DE 0,05-0,099 MN(5-9,9TF)

Cheltuieli directe din articole:

| GREUTATE                             | MATERIALE | MANOPERA | UTILAJ | TRANSPORT | TOTAL |
|--------------------------------------|-----------|----------|--------|-----------|-------|
| Din care:                            |           |          |        |           |       |
| Valoare aferenta utilaje termice =   |           |          |        |           |       |
| Valoare aferenta utilaje electrice = |           |          |        |           |       |

Detaliiere transporturi:  
 -Articole TRA

Alte cheltuieli directe:

-CAS:  
 -SOMAJ:  
 -FOND AMBP 0.693 %  
 -CASS 5.2 %  
 -FOND DE GARANTARE CREANTE SALARIALE 0.25 %  
 -FNUASS 0.85 %

Total cheltuieli directe:

| GREUTATE | MATERIALE | MANOPERA | UTILAJ | TRANSPORT | TOTAL |
|----------|-----------|----------|--------|-----------|-------|
|----------|-----------|----------|--------|-----------|-------|





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Cheltuieli indirecte:  
Profit:

TOTAL GENERAL DEVIZ:

PROIECTANT



CONTRACTANT (OFERTANT)

DEVIZIER



## Formularul F3

Obiectivul: 2538 45120000 INLOC CD TITEI 4 1/2+8 5/8  
 COMANESTI VERNESTI ZONA I  
 Obiectul: 0002 45120000 CONSTRUCTII SI INSTALATII

Lista cu cantitatile de lucrari  
 Deviz oferta 253806 IZOLAREA ANTICOROZIVA

Categoriza de lucrari: 0530

| NR. | SIMBOL ART.      | CANTITATE     | UM      | PU MAT | VAL MAT   | = |
|-----|------------------|---------------|---------|--------|-----------|---|
| =   | D E N U M I R E  |               |         | PU MAN | VAL MAN   | = |
| =   |                  | A R T I C O L |         | PU UTI | VAL UTI   | = |
| =   |                  |               |         | PU TRA | VAL TRA   | = |
| =   | SPOR MAT MAN UTI | GR./UA        | GR.TOT. |        | T O T A L | = |

001 IZA01B1 MP. 4.000  
 CURATIREA PRIN SABLARE PT PROT  
 ANTICOROZIVE SUPRAFMETAL CU NISIP DE RIU

002 IZA04A1 MP. 78.000  
 PREGATIREA SUPRAF.DE BETON SAU METAL  
 PRIN CURATIRE CU PERIA DE SIRMA

003 IZL02B1 MP. 82.000  
 IZOL.ANTICOR.EXEC.MAN.PE TRASEU,TEVI  
 OTEL,CU PROT.EXT.IMPISLIT.FIBRE STICLA,  
 IZOLATIE INTARITA  
 \*\* SPORURI \*\* MAT.: -100.0% MAN.: 0.0% UTI.: 0.0%

004 NMB320111 ORA -2.338  
 TRACTORIST < 60CP CAT.1

005 AUT4030 ORA -13.120  
 TOPITOR DE BITUM TRACTAT(EXCLUS.  
 TRACTORUL) 500-1000L

006 7457118 BUC. 18.000  
 MANSON TERMOCONTRACTIL TIP CANUSA DN150

007 7458324 BUC. 10.000  
 BATON MASTIC

008 7458325 ML. 5.000  
 BANDA PT REPARATII TIP CRP L=150MM , L=  
 30/ROLA



=====

|             |   |        |
|-------------|---|--------|
| 009 7461276 | M | 45.000 |
|-------------|---|--------|

IZOL PT CURBE+COTURI TIP CANUSA HCA-B-50  
-15-BK DN 4"

|             |   |          |
|-------------|---|----------|
| 010 7461279 | M | 1580.000 |
|-------------|---|----------|

IZOL PT CURBE+COTURI TIP CANUSA HCA-B-  
100-15-BK DN 10"

Cheltuieli directe din articole:

|          |           |          |        |           |       |
|----------|-----------|----------|--------|-----------|-------|
| GREUTATE | MATERIALE | MANOPERA | UTILAJ | TRANSPORT | TOTAL |
|----------|-----------|----------|--------|-----------|-------|

Din care:  
Valoare aferenta utilaje termice =  
Valoare aferenta utilaje electrice =

Alte cheltuieli directe:

-CAS:  
-SOMAJ:  
-FOND AMBP 0.693 %  
-CASS 5.2 %  
-FOND DE GARANTARE CREANTE SALARIALE 0.25 %  
-FNUASS 0.85 %

Total cheltuieli directe:

|          |           |          |        |           |       |
|----------|-----------|----------|--------|-----------|-------|
| GREUTATE | MATERIALE | MANOPERA | UTILAJ | TRANSPORT | TOTAL |
|----------|-----------|----------|--------|-----------|-------|

Cheltuieli indirecte:  
Profit:

TOTAL GENERAL DEVIZ:

PROIECTANT



CONTRACTANT (OFERTANT)

DEVIZIER



## Formularul F3

Obiectivul: 2538 45120000 INLOC CD TITEI 4 1/2+8 5/8  
 COMANESTI VERNESTI ZONA I  
 Obiectul: 0002 45120000 CONSTRUCTII SI INSTALATII

Lista cu cantitatile de lucrari  
 Deviz oferta 253807 PREG PT PROT CATODICA

Categororia de lucrari: 0530

| = NR. SIMBOL ART.  | CANTITATE     | UM      | PU MAT | VAL MAT   | = |
|--------------------|---------------|---------|--------|-----------|---|
| = D E N U M I R E  |               |         | PU MAN | VAL MAN   | = |
| =                  | A R T I C O L |         | PU UTI | VAL UTI   | = |
| =                  |               |         | PU TRA | VAL TRA   | = |
| = SPOR MAT MAN UTI | GR./UA        | GR.TOT. |        | T O T A L | = |

001 M1K12A1 BUC. 1.000  
 PRIZ.POTENTIAL PT.MASURAREA PARAM.  
 ELECTR.PROTECTIACONTRA COROZIUNII  
 CONDOC.INGROP.TIP 1 AFARA LO  
 \*\* SPORURI \*\* MAT.: -100.0% MAN.: 0.0% UTI.: 0.0%

002 7460424 BUC. 1.000  
 PRIZA DE POTENTIAL METALICA SPECIALA

003 7460634 M 10.000  
 CABLU CYY 1X6 MMP

004 7460637 M 5.000  
 CABLU CYY 1X25 MMP

005 TSA16C1 M.C. 6.000  
 SAP.MAN.IN TRANSEE PT.CABL.EL.IN PAM.CU  
 UMID.NAT.FARA SPRIJ.LAT.<1M,ADINC.<1,5M,  
 T.TARE

006 TSD01C1 M.C. 1.000  
 IMPRASTIEREA CU LOPATA A PAMINT.AFINAT,  
 STRAT UNIFORM 10-30CM.GROS CU SFARIM.  
 BULG.TEREN TARE

007 TSD04A1 M.C. 5.000  
 COMPACTAREA CU MAI.DE MINA A UMPLUT.  
 EXECUT.PE STRAT.CU UDAREA FIEC.STRAT DE  
 10CM GROS.T.NECOEZIV

008 W2H04A# M.C. 1.500  
 Strat de nisip asezat in sant pentru  
 protejarea cablurilor la lucrari in profil  
 netipizat



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|     |         |     |       |
|-----|---------|-----|-------|
| 009 | W2H05A# | MP. | 4.500 |
|-----|---------|-----|-------|

Banda din PVC pentru protejarea cablurilor  
in profil netipizat

|     |          |      |        |
|-----|----------|------|--------|
| 010 | W1MO54F# | BUC. | 11.000 |
|-----|----------|------|--------|

Papuc fixat pe conductor 16-25mm<sup>2</sup> Cu

|     |         |      |       |
|-----|---------|------|-------|
| 011 | 5202665 | BUC. | 7.000 |
|-----|---------|------|-------|

PAPUC STANTAT PENTRU CONDUCTOARE CUPRU  
SI ALUMINIU 25 X 8X 6,8 CUZN S243

|     |         |      |       |
|-----|---------|------|-------|
| 012 | 5202419 | BUC. | 4.000 |
|-----|---------|------|-------|

PAPUC CUPRU PENTRU CONDUCTOARE 6MM<sup>2</sup> TIP  
PTR PENTRU PRESARE 6X4,5MM

Cheltuieli directe din articole:

|          |           |          |        |           |       |
|----------|-----------|----------|--------|-----------|-------|
| GREUTATE | MATERIALE | MANOPERA | UTILAJ | TRANSPORT | TOTAL |
|----------|-----------|----------|--------|-----------|-------|

Din care:  
Valoare aferenta utilaje termice =  
Valoare aferenta utilaje electrice =

Alte cheltuieli directe:

-CAS:  
-SOMAJ:  
-FOND AMBP 0.693 %  
-CASS 5.2 %  
-FOND DE GARANTARE CREANTE SALARIALE 0.25 %  
-FNUASS 0.85 %

Total cheltuieli directe:

|          |           |          |        |           |       |
|----------|-----------|----------|--------|-----------|-------|
| GREUTATE | MATERIALE | MANOPERA | UTILAJ | TRANSPORT | TOTAL |
|----------|-----------|----------|--------|-----------|-------|

Cheltuieli indirecte:  
Profit:

TOTAL GENERAL DEVIZ:

PROIECTANT

CONTRACTANT (OFERTANT)

DEVIZIER



## Formularul F3

Obiectivul: 2538 45120000 INLOC CD TITEI 4 1/2+8 5/8  
 COMANESTI VERNESTI ZONA I  
 Obiectul: 0002 45120000 CONSTRUCTII SI INSTALATII

Lista cu cantitatile de lucrari  
 Deviz oferta 253808 PROT CATODICA SI LEGARE LA  
 PAMANT

Categoria de lucrari: 0530

| NR. SIMBOL ART.  | CANTITATE     | UM      | PU MAT | VAL MAT   | = |
|------------------|---------------|---------|--------|-----------|---|
| D E N U M I R E  |               |         | PU MAN | VAL MAN   | = |
|                  | A R T I C O L |         | PU UTI | VAL UTI   | = |
|                  |               |         | PU TRA | VAL TRA   | = |
| SPOR MAT MAN UTI | GR./UA        | GR.TOT. |        | T O T A L | = |

001 M1K18A1 BUC. 5.000  
 ANOD ACTIV SUPL. TRASEU PENTRU LEGAREA LA  
 PAMANT CU ANOD DE ZINC

002 3701265 KG -12.500  
 BANDA DIN OTEL LAMINAT LA CALD S908 4 X  
 25 OL37-1N

003 4801725 M 36.000  
 CABLU ENERGIE CYY 0,6/ 1KV 1X 25 M S.  
 8778

004 W2H04A# M.C. 4.000  
 Strat de nisip asezat in sant pentru  
 protejarea cablurilor la lucrari in profil  
 netipizat

005 W2H05A# MP. 11.000  
 Banda din PVC pentru protejarea cablurilor  
 in profil netipizat

Cheltuieli directe din articole:

| GREUTATE                             | MATERIALE | MANOPERA | UTILAJ | TRANSPORT | TOTAL |
|--------------------------------------|-----------|----------|--------|-----------|-------|
| Din care:                            |           |          |        |           |       |
| Valoare aferenta utilaje termice =   |           |          |        |           |       |
| Valoare aferenta utilaje electrice = |           |          |        |           |       |

Alte cheltuieli directe:

-CAS:  
 -SOMAJ:  
 -FOND AMBP 0.693 %  
 -CASS 5.2 %  
 -FOND DE GARANTARE CREANTE SALARIALE 0.25 %  
 -FNUASS 0.85 %



=====

Total cheltuieli directe:

| GREUTATE | MATERIALE | MANOPERA | UTILAJ | TRANSPORT | TOTAL |
|----------|-----------|----------|--------|-----------|-------|
|----------|-----------|----------|--------|-----------|-------|

Cheltuieli indirecte:

Profit:

TOTAL GENERAL DEVIZ:

PROIECTANT

CONTRACTANT (OFERTANT)

DEVIZIER



## Formularul F3

Obiectivul: 2538 45120000 INLOC CD TITEI 4 1/2+8 5/8  
 COMANESTI VERNESTI ZONA I  
 Obiectul: 0002 45120000 CONSTRUCTII SI INSTALATII

Lista cu cantitatile de lucrari  
 Deviz oferta 253809 VERIFIC.CALITATII IZOLATIEI

Categoria de lucrari: 0530

| NR. SIMBOL ART.  | CANTITATE     | UM      | PU MAT | VAL MAT   | = |
|------------------|---------------|---------|--------|-----------|---|
| D E N U M I R E  |               |         | PU MAN | VAL MAN   | = |
|                  | A R T I C O L |         | PU UTI | VAL UTI   | = |
|                  |               |         | PU TRA | VAL TRA   | = |
| SPOR MAT MAN UTI | GR./UA        | GR.TOT. |        | T O T A L | = |

001 AUT4803 ORA 5.000  
 AUTOLAB.MOBIL PT.VERIFICARI ELECTRICE PE  
 AUTO 3T

002 W1MM05A# BUC. 1.000  
 Masurarea rezistentei prizei de legare  
 la pamant

003 NMB020471 ORA 5.000  
 ELECTRICIAN APARATAJ ELECTRIC STATII  
 PROT. CAT.7

004 NMB020451 ORA 18.000  
 ELECTRICIAN APARATAJ ELECTRIC STATII  
 PROT. CAT.5

005 NMB020441 ORA 9.000  
 ELECTRICIAN APARATAJ ELECTRIC STATII  
 PROT. CAT.4

Cheltuieli directe din articole:

| GREUTATE                             | MATERIALE | MANOPERA | UTILAJ | TRANSPORT | TOTAL |
|--------------------------------------|-----------|----------|--------|-----------|-------|
| Din care:                            |           |          |        |           |       |
| Valoare aferenta utilaje termice =   |           |          |        |           |       |
| Valoare aferenta utilaje electrice = |           |          |        |           |       |

Alte cheltuieli directe:

-CAS:  
 -SOMAJ:  
 -FOND AMBP 0.693 %  
 -CASS 5.2 %  
 -FOND DE GARANTARE CREANTE SALARIALE 0.25 %  
 -FNUASS 0.85 %





=====

Total cheltuieli directe:

| GREUTATE | MATERIALE | MANOPERA | UTILAJ | TRANSPORT | TOTAL |
|----------|-----------|----------|--------|-----------|-------|
|----------|-----------|----------|--------|-----------|-------|

Cheltuieli indirecte:

Profit:

TOTAL GENERAL DEVIZ:

PROIECTANT

CONTRACTANT (OFERTANT)

DEVIZIER



## Formularul F3

Obiectivul: 2538 45120000 INLOC CD TITEI 4 1/2+8 5/8  
 COMANESTI VERNESTI ZONA I  
 Obiectul: 0002 45120000 CONSTRUCTII SI INSTALATII

Lista cu cantitatile de lucrari  
 Deviz oferta 253810 PUNEREA IN FUNCTIUNE

Categoria de lucrari: 0530

| = NR. SIMBOL ART.  | CANTITATE     | UM      | PU MAT | VAL MAT   | = |
|--------------------|---------------|---------|--------|-----------|---|
| = D E N U M I R E  |               |         | PU MAN | VAL MAN   | = |
| =                  | A R T I C O L |         | PU UTI | VAL UTI   | = |
| =                  |               |         | PU TRA | VAL TRA   | = |
| = SPOR MAT MAN UTI | GR./UA        | GR.TOT. |        | T O T A L | = |

001 AUT4803 ORA 5.000  
 AUTOLAB.MOBIL PT.VERIFICARI ELECTRICE PE  
 AUTO 3T

002 W1MM05A# BUC. 1.000  
 Masurarea rezistentei prizei de legare  
 la pamant

003 NMB020471 ORA 5.000  
 ELECTRICIAN APARATAJ ELECTRIC STATII  
 PROT. CAT.7

004 NMB020451 ORA 18.000  
 ELECTRICIAN APARATAJ ELECTRIC STATII  
 PROT. CAT.5

Cheltuieli directe din articole:

| GREUTATE                             | MATERIALE | MANOPERA | UTILAJ | TRANSPORT | TOTAL |
|--------------------------------------|-----------|----------|--------|-----------|-------|
| Din care:                            |           |          |        |           |       |
| Valoare aferenta utilaje termice =   |           |          |        |           |       |
| Valoare aferenta utilaje electrice = |           |          |        |           |       |

Alte cheltuieli directe:

-CAS:  
 -SOMAJ:  
 -FOND AMBP 0.693 %  
 -CASS 5.2 %  
 -FOND DE GARANTARE CREANTE SALARIALE 0.25 %  
 -FNUASS 0.85 %

Total cheltuieli directe:

| GREUTATE | MATERIALE | MANOPERA | UTILAJ | TRANSPORT | TOTAL |
|----------|-----------|----------|--------|-----------|-------|
|----------|-----------|----------|--------|-----------|-------|

Cheltuieli indirecte:



=====  
Profit:

TOTAL GENERAL DEVIZ:

PROIECTANT

CONTRACTANT (OFERTANT)

DEVIZIER



## Formularul F3

Obiectivul: 2538 45120000 INLOC CD TITEI 4 1/2+8 5/8  
 COMANESTI VERNESTI ZONA I  
 Obiectul: 0002 45120000 CONSTRUCTII SI INSTALATII

Lista cu cantitatile de lucrari  
 Deviz oferta 253811 INVESTIGARE STARE TEHNICA A IZOL  
 CD

Categoria de lucrari: 0530

| NR. | SIMBOL ART.      | CANTITATE     | UM      | PU MAT | VAL MAT   | = |
|-----|------------------|---------------|---------|--------|-----------|---|
| =   | D E N U M I R E  |               |         | PU MAN | VAL MAN   | = |
| =   |                  | A R T I C O L |         | PU UTI | VAL UTI   | = |
| =   |                  |               |         | PU TRA | VAL TRA   | = |
| =   | SPOR MAT MAN UTI | GR./UA        | GR.TOT. |        | T O T A L | = |

001 AUT4803 ORA 5.000  
 AUTOLAB.MOBIL PT.VERIFICARI ELECTRICE PE  
 AUTO 3T

002 WIMN05A# BUC. 2.000  
 Legarea la pamant a elementelor metalice  
 mobile cu conductor flexibil

003 NMB020471 ORA 5.000  
 ELECTRICIAN APARATAJ ELECTRIC STATII  
 PROT. CAT.7

004 NMB020451 ORA 14.000  
 ELECTRICIAN APARATAJ ELECTRIC STATII  
 PROT. CAT.5

005 NMB020441 ORA 7.000  
 ELECTRICIAN APARATAJ ELECTRIC STATII  
 PROT. CAT.4

006 TRA02B10 TONA 1.000  
 TRANSPORTUL RUTIER AL MATERIALELOR  
 USOARE CU AUTOCAMIONUL PE DIST.= 10KM

Cheltuieli directe din articole:

| GREUTATE | MATERIALE | MANOPERA | UTILAJ | TRANSPORT | TOTAL |
|----------|-----------|----------|--------|-----------|-------|
|----------|-----------|----------|--------|-----------|-------|

Din care:

Valoare aferenta utilaje termice =

Valoare aferenta utilaje electrice =

Detaliere transporturi:

-Articole TRA



=====

Alte cheltuieli directe:

-CAS:  
-SOMAJ:  
-FOND AMBP 0.693 %  
-CASS 5.2 %  
-FOND DE GARANTARE CREANTE SALARIALE 0.25 %  
-FNUASS 0.85 %

Total cheltuieli directe:

| GREUTATE | MATERIALE | MANOPERA | UTILAJ | TRANSPORT | TOTAL |
|----------|-----------|----------|--------|-----------|-------|
|----------|-----------|----------|--------|-----------|-------|

Cheltuieli indirecte:

Profit:

TOTAL GENERAL DEVIZ:

PROIECTANT



CONTRACTANT (OFERTANT)



## Formularul F3

Obiectivul: 2538 45120000 INLOC CD TITEI 4 1/2+8 5/8  
 COMANESTI VERNESTI ZONA I  
 Obiectul: 0002 45120000 CONSTRUCTII SI INSTALATII

Lista cu cantitatile de lucrari  
 Deviz oferta 253812 PILOTAJ SPRIJIN.MAL GROAPA  
 INTRODUCERE FREZA

Categoria de lucrari: 0530

| NR. SIMBOL ART.  | CANTITATE     | UM      | PU MAT | VAL MAT   | = |
|------------------|---------------|---------|--------|-----------|---|
| D E N U M I R E  |               |         | PU MAN | VAL MAN   | = |
|                  | A R T I C O L |         | PU UTI | VAL UTI   | = |
|                  |               |         | PU TRA | VAL TRA   | = |
| SPOR MAT MAN UTI | GR./UA        | GR.TOT. |        | T O T A L | = |

001 FJB01A M 76.000  
 FORAJ HIDRAULIC CU CIRCULATIE DIRECTA  
 EXECUTAT CU SAPA INSTALATIE 500 M  
 ADINCIME IN TEREN GR 1\_2

002 3278517 M 76.000  
 TEAVA 273.0X8MM L245 PSL1

003 PK42A1 TONA 4.000  
 DEZMEMBRAREA PARTILOR AVARIATE ALE  
 PODURILOR METALICE PRIN TAIEREA CU  
 FLACARA OXIACETILENICA

004 RPAC18A1 BUC. 10.000  
 TAIEREA IN SANT CU FLACARA OXIACETILENIC  
 A A TEVILOR DIN OTEL AVIND DIAM. 200 MM\*

005 TRA02A50 TONA 4.000  
 TRANSPORTUL RUTIER AL MATERIALELOR,  
 SEMIFABRICATELOR CU AUTOCAMIONUL PE  
 DIST.= 50 KM.

006 TRI1AA01C3 TONA 4.000  
 INCARCAREA MATERIALELOR,GRUPA A-GRELE SI  
 MARUNTE,PRIN ARUNCARE RAMPA SAU TEREN-  
 AUTO CATEG.3

007 TRA04A50 TONA 16.000  
 TRANSPORT RUTIER MATER.SEMIFABR. CU  
 AUTOREMORCHERE CU REMORCI TREILER SUB  
 20T PE DIS.50 KM.\*

008 AUT1234 ORA 2.500  
 ORA PR.AUTOMACARA CU BRAT ZABRELE 6,0-9,  
 9 TF 2 SCHIMBURI



=====

|     |          |      |       |
|-----|----------|------|-------|
| 009 | TRB22F3B | TONA | 4.000 |
|-----|----------|------|-------|

MANIPULAT MAT SI ELEMENTE PREFABRICATE  
CU AUTOMACARA DE 6-9,9 TF POZITIE FIXA G  
=0,501-1T

Cheltuieli directe din articole:

|          |           |          |        |           |       |
|----------|-----------|----------|--------|-----------|-------|
| GREUTATE | MATERIALE | MANOPERA | UTILAJ | TRANSPORT | TOTAL |
|----------|-----------|----------|--------|-----------|-------|

Din care:  
Valoare aferenta utilaje termice =  
Valoare aferenta utilaje electrice =

Detaliiere transporturi:  
-Articole TRA

Alte cheltuieli directe:

-CAS:  
-SOMAJ:  
-FOND AMBP 0.693 %  
-CASS 5.2 %  
-FOND DE GARANTARE CREANTE SALARIALE 0.25 %  
-FNUASS 0.85 %

Total cheltuieli directe:

|          |           |          |        |           |       |
|----------|-----------|----------|--------|-----------|-------|
| GREUTATE | MATERIALE | MANOPERA | UTILAJ | TRANSPORT | TOTAL |
|----------|-----------|----------|--------|-----------|-------|

Cheltuieli indirecte:  
Profit:

TOTAL GENERAL DEVIZ:

PROIECTANT

CONTRACTANT (OFERTANT)

DEVIZIER



PROIECTAT DE FIRMA I N F S E R V (Tel:2109807)

## Lista consumurilor de resurse materiale

Lucrarea : **INLOC CD TITEL 4 1/2+8 5/8 COMANESTI VERNESTI ZONA I**  
 DEVIZ : (LISTA DEVIZE)  
 Obs: RON = leu greu

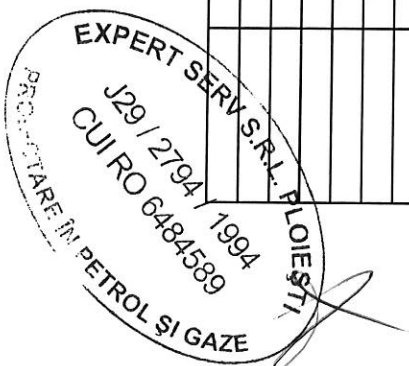
| Nr. crt. | Denumirea resursei materiale      | U.M. | Consumuri cuprinse in oferta | Pret unitar (exclusiv TVA) - RON - | Valoare (exclusiv TVA) - RON - | Furnizor | Greutate (tone) |
|----------|-----------------------------------|------|------------------------------|------------------------------------|--------------------------------|----------|-----------------|
| 0        | 1                                 | 2    | 3                            | 4                                  | 5                              | 6        | 7               |
| 1        | S 388                             | KG   | 107.00                       |                                    |                                |          |                 |
| 2        | 70 MM                             | M.C. | 1.34                         |                                    |                                |          |                 |
| 3        | RIU SI LACURI 0,0-7,0 MM          | M.C. | 5.90                         |                                    |                                |          |                 |
| 4        | SI LACURI 0,0-3,0 MM              | M.C. | 0.06                         |                                    |                                |          |                 |
| 5        | 220513 BENTONITA MACINATA         | KG   | 84.00                        |                                    |                                |          |                 |
| 6        | CALITATEA II S 5566               | KG   | 22.00                        |                                    |                                |          |                 |
| 7        | CD                                | BUC. | 2.00                         |                                    |                                |          |                 |
| 8        | CONDUCTELOR METAL INGROPATE       | KG   | 0.00                         |                                    |                                |          |                 |
| 9        | RURALE COJIT FAG LUNGIME MINIMA   | M.C. | 0.82                         |                                    |                                |          |                 |
| 10       | DESEURI                           | TONA | 0.02                         |                                    |                                |          |                 |
| 11       | CLASA B GROSIME=70MM              | M.C. | 1.14                         |                                    |                                |          |                 |
| 12       | GROSIME=120MM LATIME=150MM        | M.C. | 0.65                         |                                    |                                |          |                 |
| 13       | NEABURITE CLASA A GR=40MM L=1,8-  | M.C. | 0.05                         |                                    |                                |          |                 |
| 14       | C GROSIME=50MM LUNGIME=2,50M S    | M.C. | 1.26                         |                                    |                                |          |                 |
| 15       | TVITE G-50/50-100/100 L=1-170     | M.C. | 0.09                         |                                    |                                |          |                 |
| 16       | IMPREGNATE CLASA I GR 15X25CM L   | BUC. | 0.17                         |                                    |                                |          |                 |
| 17       | LUNGIME=1M LIVRABIL DIN DEPOZIT   | KG   | 36.18                        |                                    |                                |          |                 |
| 18       | SUDURA LAMINATA LA CALD 168 X 8   | M    | 3.80                         |                                    |                                |          |                 |
| 19       | TRASEUL CONDUCTELOR               | BUC. | 3.00                         |                                    |                                |          |                 |
| 20       | 3278098 PISTON CU PERIL 4"        | BUC. | 1.00                         |                                    |                                |          |                 |
| 21       | 114.3X8MM L360N PSL2              | M    | 128.00                       |                                    |                                |          |                 |
| 22       | PSL2                              | M    | 3.00                         |                                    |                                |          |                 |
| 23       | 3278517 TEAVA 273.0X8MM L245 PSL1 | M    | 169.00                       |                                    |                                |          |                 |
| 24       | 3278518 PRESETUPA 4"-10"          | BUC. | 2.00                         |                                    |                                |          |                 |
| 25       | 3278519 TEAVA 60.3X3.5MM L210     | M    | 11.00                        |                                    |                                |          |                 |



| Nr. crt. | Denumirea resursei materiale         | U.M. | Consumuri cuprinse in oferta | Pret unitar (exclusiv TVA) - RON - | Valoare (exclusiv TVA) - RON - | Furnizor | Greutate (tone) |
|----------|--------------------------------------|------|------------------------------|------------------------------------|--------------------------------|----------|-----------------|
| 0        | 1                                    | 2    | 3                            | 4                                  | 5                              | 6        | 7               |
| 26       | SCURGERI 521X7.14MM H=3.5M           | BUC. | 1.00                         |                                    |                                |          |                 |
| 27       | LAMINAT LA CALD U 8 OL37-1N S 564    | KG   | 0.80                         |                                    |                                |          |                 |
| 28       | MECANICE S901 1 X1000X2000 OL37-1N   | KG   | 8.16                         |                                    |                                |          |                 |
| 29       | MECANICE S901 4 X1000X2000 OL37-1N   | KG   | 3.08                         |                                    |                                |          |                 |
| 30       | 1N S 437                             | KG   | 3.04                         |                                    |                                |          |                 |
| 31       | 1N S 437                             | KG   | 0.22                         |                                    |                                |          |                 |
| 32       | 1N S 437                             | KG   | 0.80                         |                                    |                                |          |                 |
| 33       | FILETATE INSTALATII NEZINCATE DN.3   | BUC. | 0.01                         |                                    |                                |          |                 |
| 34       | FILET INTERIOR SI EXTERIOR G4 45     | BUC. | 2.00                         |                                    |                                |          |                 |
| 35       | OL37-2 ET PU S 8515                  | BUC. | 0.03                         |                                    |                                |          |                 |
| 36       | INELARA ETANSARE R31 D=123/8 MM      | BUC. | 0.01                         |                                    |                                |          |                 |
| 37       | 1X 25 M S.8778                       | M    | 36.00                        |                                    |                                |          |                 |
| 38       | CONDUCTOARE 6MMP TIP PTR             | BUC. | 4.00                         |                                    |                                |          |                 |
| 39       | CONDUCTOARE CUPRU SI ALUMINIU        | BUC. | 7.00                         |                                    |                                |          |                 |
| 40       | SEMPIPRECIS M 8X 30 GR. 5.8 S 6220   | BUC. | 2.40                         |                                    |                                |          |                 |
| 41       | SEMPIPRECIS M 20X 120 GR. 5.8 S 6220 | BUC. | 0.25                         |                                    |                                |          |                 |
| 42       | GROSOLAN M 10X 100 GR. 4.8 S 920     | BUC. | 0.96                         |                                    |                                |          |                 |
| 43       | GROSOLAN M 16X 60 GR. 4.8 S 920      | BUC. | 151.50                       |                                    |                                |          |                 |
| 44       | GROSOLAN M 24X 70 GR. 4.8 S 920      | BUC. | 17.54                        |                                    |                                |          |                 |
| 45       | GROSOLAN M 33X 150 GR. 4.8 S 920     | BUC. | 2.00                         |                                    |                                |          |                 |
| 46       | GROSOLANE A M 10 GR. 5 S 922         | BUC. | 0.96                         |                                    |                                |          |                 |
| 47       | GROSOLANE A M 16 GR. 5 S 922         | BUC. | 151.50                       |                                    |                                |          |                 |
| 48       | GROSOLANE A M 24 GR. 5 S 922         | BUC. | 17.54                        |                                    |                                |          |                 |
| 49       | SEMPIPRECISE M 20 GR. 5 S 4071       | BUC. | 0.25                         |                                    |                                |          |                 |
| 50       | SEMPIPRECISA S6218 OL37 M 33         | BUC. | 2.00                         |                                    |                                |          |                 |
| 51       | PENTRU METAL M 20 OL34 S 1388        | BUC. | 0.25                         |                                    |                                |          |                 |
| 52       | PENTRU METAL A M 33 OL34 S 5200      | BUC. | 2.00                         |                                    |                                |          |                 |
| 53       | 80 OL34 S 2111                       | KG   | 3.59                         |                                    |                                |          |                 |
| 54       | X100 OL34 S 2111                     | KG   | 6.26                         |                                    |                                |          |                 |
| 55       | X120 OL37 S 2111                     | KG   | 0.30                         |                                    |                                |          |                 |
| 56       | X150 OL37 S 2111                     | KG   | 15.20                        |                                    |                                |          |                 |
| 57       | S.7240-69 E50.24.13/RG.2.1 D=4.00MM  | KG   | 31.72                        |                                    |                                |          |                 |
| 58       | NEALIAT S 1125/2 E42B 3,25           | KG   | 0.17                         |                                    |                                |          |                 |



| Nr. crt. | Denumirea resursei materiale        | U.M. | Consumuri cuprinse in oferta | Pret unitar (exclusiv TVA) - RON - | Valoare (exclusiv TVA) - RON - | Furnizor | Greutate (tone) |
|----------|-------------------------------------|------|------------------------------|------------------------------------|--------------------------------|----------|-----------------|
| 0        | 1                                   | 2    | 3                            | 4                                  | 5                              | 6        | 7               |
| 59       | 1125/2 E51.2R 2X350 INVELIS         | KG   | 6.00                         |                                    |                                |          |                 |
| 60       | 1125/2 E43.2 2X350 INVELIS SUPERTIT | KG   | 23.23                        |                                    |                                |          |                 |
| 61       | SUDURA SI INCARCARE SUB FLUX        | KG   | 0.40                         |                                    |                                |          |                 |
| 62       | PENTRU LIPIREA COSTORULUI NID 270   | KG   | 0.05                         |                                    |                                |          |                 |
| 63       | IMBUTELIAT CLASA A                  | M.C. | 67.75                        |                                    |                                |          |                 |
| 64       | MARCA LP 60                         | KG   | 0.24                         |                                    |                                |          |                 |
| 65       | DEGROSATA ELECTROLITIC 99%          | BUC. | 0.15                         |                                    |                                |          |                 |
| 66       | EN FOI 23X30 GR 12 S1581            | BUC. | 0.10                         |                                    |                                |          |                 |
| 67       | STICLA FOI 23X30 GR 12 S1581        | BUC. | 23.40                        |                                    |                                |          |                 |
| 68       | USCATA CARBURA SILICIU NEARMATA     | BUC. | 5.50                         |                                    |                                |          |                 |
| 69       | USCATA CARBURA SILICIU NEARMATA     | BUC. | 28.79                        |                                    |                                |          |                 |
| 70       | DUR(WIDIA)BK15, IMPREGNATE GRUPA    | KG   | 0.15                         |                                    |                                |          |                 |
| 71       | 300X22X8                            | BUC. | 2.57                         |                                    |                                |          |                 |
| 72       | IMPORT 178 4 22                     | BUC. | 1.89                         |                                    |                                |          |                 |
| 73       | G.351-4                             | KG   | 0.10                         |                                    |                                |          |                 |
| 74       | 6100091 GRUND ALCHIDIC              | KG   | 0.40                         |                                    |                                |          |                 |
| 75       | 6100092 EMAIL ALCHIDIC              | KG   | 0.30                         |                                    |                                |          |                 |
| 76       | V.351-3 NTR 90-80                   | KG   | 0.28                         |                                    |                                |          |                 |
| 77       | 90-80                               | KG   | 0.20                         |                                    |                                |          |                 |
| 78       | SPALARE SUPRAFETE FERROASE          | KG   | 1.00                         |                                    |                                |          |                 |
| 79       | 80/120 S 45                         | L    | 5.50                         |                                    |                                |          |                 |
| 80       | CO/R 75 NORMALA S 176               | KG   | 14.17                        |                                    |                                |          |                 |
| 81       | 6200676 WHITE SPIRIT RAFINAT TIP A  | KG   | 0.05                         |                                    |                                |          |                 |
| 82       | NID 767                             | L    | 0.11                         |                                    |                                |          |                 |
| 83       | CONGELARE -25 S 240                 | L    | 57.08                        |                                    |                                |          |                 |
| 84       | PETROLIERE S 66                     | KG   | 0.18                         |                                    |                                |          |                 |
| 85       | ARTIFICIALA TIP A S 917             | KG   | 0.04                         |                                    |                                |          |                 |
| 86       | GENERAL U 75 CO2 S 562              | KG   | 0.01                         |                                    |                                |          |                 |
| 87       | GENERAL U100 CA 4 S 562             | KG   | 0.82                         |                                    |                                |          |                 |
| 88       | CONTOR PENTRU LUCRARI DE            | KWH. | 54.06                        |                                    |                                |          |                 |
| 89       | LUCRARI DRUMURI SI TERASAMENTE      | M.C. | 101.91                       |                                    |                                |          |                 |
| 90       | MORTARE SI BETOANE DELA RETEA       | M.C. | 4.09                         |                                    |                                |          |                 |
| 91       | 6202820 APA POTABILA                | M.C. | 2.79                         |                                    |                                |          |                 |



| Nr. crt. | Denumirea resursei materiale     | U.M. | Consumuri cuprinse in oferta | Pret unitar (exclusiv TVA) - RON - | Valoare (exclusiv TVA) - RON - | Furnizor | Greutate (tone) |
|----------|----------------------------------|------|------------------------------|------------------------------------|--------------------------------|----------|-----------------|
| 0        | 1                                | 2    | 3                            | 4                                  | 5                              | 6        | 7               |
| 92       | INDICATOARE DIN TEAVA OTEL D=50  | BUC. | 6.08                         |                                    |                                |          |                 |
| 93       | PREFABRICATE MECANO-NEZINCATE    | KG   | 150.00                       |                                    |                                |          |                 |
| 94       | CONSTRUCTII DIN LEMN LAT,65-     | KG   | 2.99                         |                                    |                                |          |                 |
| 95       | MARE                             | BUC. | 9.60                         |                                    |                                |          |                 |
| 96       | MM S 3498                        | KG   | 13.07                        |                                    |                                |          |                 |
| 97       | MM S 3498                        | KG   | 0.19                         |                                    |                                |          |                 |
| 98       | TIP A CALITATEA 1 GROSIME=2.0    | MP.  | 1.44                         |                                    |                                |          |                 |
| 99       | INSCRIPTIONATA DIN PVC 250MM     | KG   | 3.10                         |                                    |                                |          |                 |
| 100      | (IMPORT)                         | MP.  | 0.18                         |                                    |                                |          |                 |
| 101      | NEINSCRIPTIONATA DIN PVC 250MM   | KG   | 3.10                         |                                    |                                |          |                 |
| 102      | 0.8MM(8TF) PENTRU SPRUJINIRI     | BUC. | 0.12                         |                                    |                                |          |                 |
| 103      | TABLA OTEL+FOLIE R. TRIUNGHI     | BUC. | 0.32                         |                                    |                                |          |                 |
| 104      | TABLA OTEL+FOLIE R. TRIUNGHI     | BUC. | 0.32                         |                                    |                                |          |                 |
| 105      | TABLA OTEL+FOLIE R. TRIUNGHI     | BUC. | 0.32                         |                                    |                                |          |                 |
| 106      | TABLA OTEL+FOLIE R. TRIUNGHI     | BUC. | 0.32                         |                                    |                                |          |                 |
| 107      | TABLA OTEL+FOLIE R. PATRAT       | BUC. | 0.64                         |                                    |                                |          |                 |
| 108      | TABLA OTEL+FOLIE R. CERC D= 600  | BUC. | 1.28                         |                                    |                                |          |                 |
| 109      | TABLA OTEL+FOLIE R. CERC D= 600  | BUC. | 0.64                         |                                    |                                |          |                 |
| 110      | TABLA OTEL+FOLIE R. CERC D= 600  | BUC. | 0.32                         |                                    |                                |          |                 |
| 111      | 7106013 Nisip 0-7 mm             | M.C. | 3.99                         |                                    |                                |          |                 |
| 112      | 7106636 Banda de marcai          | M    | 39.00                        |                                    |                                |          |                 |
| 113      | GRAMINEE PERENE (PM)             | KG   | 17.90                        |                                    |                                |          |                 |
| 114      | 7300045 ACETILENA                | KG   | 0.40                         |                                    |                                |          |                 |
| 115      | PROTECTII CATODICE SI TIJA DESEN | BUC. | 5.00                         |                                    |                                |          |                 |
| 116      | INGRASAMANT GRANULAT VICANIT     | KG   | 10.00                        |                                    |                                |          |                 |
| 117      | 7306661 BUMBAC DE STERS          | KG   | 1.61                         |                                    |                                |          |                 |
| 118      | (CARBID)                         | KG   | 131.03                       |                                    |                                |          |                 |
| 119      | DE ORICE CULOARE                 | KG   | 27.90                        |                                    |                                |          |                 |
| 120      | 7317232 DICLORETAN CS. 17/73     | KG   | 0.50                         |                                    |                                |          |                 |
| 121      | RADIOGRAFIE METALICA             | BUC. | 74.70                        |                                    |                                |          |                 |
| 122      | INTARIRE FILM DEFECTOSC.GR.0.2   | BUC. | 1.52                         |                                    |                                |          |                 |
| 123      | 150                              | BUC. | 0.10                         |                                    |                                |          |                 |
| 124      | PENTRU GARNITURI TIP A,B,6-      | KG   | 0.55                         |                                    |                                |          |                 |

| Nr. crt. | Denumirea resursei materiale     | U.M. | Consumuri cuprinse in oferta | Pret unitar (exclusiv TVA) - RON - | Valoare (exclusiv TVA) - RON - | Furnizor | Greutate (tone) |
|----------|----------------------------------|------|------------------------------|------------------------------------|--------------------------------|----------|-----------------|
| 0        | 1                                | 2    | 3                            | 4                                  | 5                              | 6        | 7               |
| 125      | FILME ROENTGEN                   | L    | 0.75                         |                                    |                                |          |                 |
| 126      | PENTRU FILME ROENTGEN            | L    | 0.75                         |                                    |                                |          |                 |
| 127      | LIBERIE                          | MP.  | 2.70                         |                                    |                                |          |                 |
| 128      | CAL.1                            | KG   | 0.19                         |                                    |                                |          |                 |
| 129      | (RELIT)                          | KG   | 0.49                         |                                    |                                |          |                 |
| 130      | 7454771 INELE DISTANTIERE 4"X10" | BUC. | 93.00                        |                                    |                                |          |                 |
| 131      | TIP CANUSA DN150                 | BUC. | 18.00                        |                                    |                                |          |                 |
| 132      | 7458324 BATON MASTIC             | BUC. | 10.00                        |                                    |                                |          |                 |
| 133      | L=150MM, L=30/ROLA               | ML.  | 5.00                         |                                    |                                |          |                 |
| 134      | METALICA SPECIALA                | BUC. | 1.00                         |                                    |                                |          |                 |
| 135      | 7460634 CABLU CYY 1X6 MMP        | M    | 10.00                        |                                    |                                |          |                 |
| 136      | 7460637 CABLU CYY 1X25 MMP       | M    | 5.00                         |                                    |                                |          |                 |
| 137      | CANUSA HCA-B-50-15-BK DN 4"      | M    | 45.00                        |                                    |                                |          |                 |
| 138      | CANUSA HCA-B-100-15-BK DN 10"    | M    | 1580.00                      |                                    |                                |          |                 |
| 139      | PROTECTOARE                      | MP.  | 300.00                       |                                    |                                |          |                 |
|          | TOTAL                            |      |                              | RON                                |                                |          |                 |
|          |                                  |      |                              | EURO                               |                                |          |                 |

Ofertant



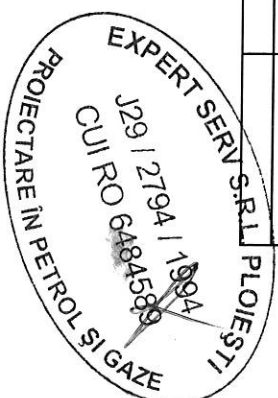
## Lista consumurilor cu mana de lucru

Lucrarea : **INLOC CD TITEI 4 1/2+8 5/8 COMANESTI VERNESTI ZONA I**

DEVIZ : (LISTA DEVIZE)

Obs: RON = leu greu

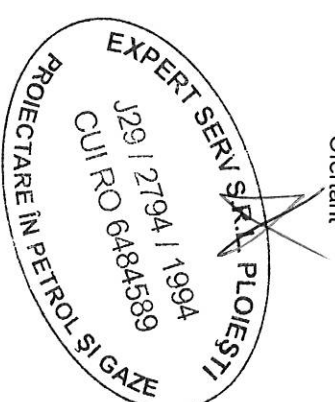
| Nr. crt. | Denumirea meseriei                    | Consumuri (om-ore)cu manopera directa | Tarif mediu -RON/ora- | Valoare(exclusiv TVA) - RON - ( 2 x 3 ) | Procent 100% |
|----------|---------------------------------------|---------------------------------------|-----------------------|-----------------------------------------|--------------|
| 0        | 1                                     | 2                                     | 3                     | 4                                       | 5            |
| 1        | BETONIST                              | 1.590                                 |                       |                                         |              |
| 2        | DULGHER CONSTRUCTII                   | 268.050                               |                       |                                         |              |
| 3        | DULGHER PODURI                        | 14.586                                |                       |                                         |              |
| 4        | FINISOR TERASAMENTE                   | 37.878                                |                       |                                         |              |
| 5        | INSTALATOR ELECTRICIAN                | 26.300                                |                       |                                         |              |
| 6        | INSTALATOR SANITAR                    | 3.080                                 |                       |                                         |              |
| 7        | INSTALATOR INCALZIRE                  | 4.140                                 |                       |                                         |              |
| 8        | IZOLATOR HIDROFUG                     | 2.459                                 |                       |                                         |              |
| 9        | IZOLATOR TERMIC                       | 34.508                                |                       |                                         |              |
| 10       | MONTATOR PREFABRICATE BETON           | 1.260                                 |                       |                                         |              |
| 11       | PAVATOR                               | 88.087                                |                       |                                         |              |
| 12       | ZUGRAV VOPSITOR                       | 1.481                                 |                       |                                         |              |
| 13       | SAPATOR                               | 4550.608                              |                       |                                         |              |
| 14       | MUNCITOR DESERVIRE C-TII.MONTAJ       | 941.182                               |                       |                                         |              |
| 15       | ELECTRICIAN LINII ELECTRICE AERIENE   | 3.400                                 |                       |                                         |              |
| 16       | ELECTRICIAN CABLURI SUBTERANE         | 7.320                                 |                       |                                         |              |
| 17       | ELECTRICIAN POST TRAFU                | 1.200                                 |                       |                                         |              |
| 18       | PROT.                                 | 81.000                                |                       |                                         |              |
| 19       | ELECTRICIAN REPARATII-INTRETINERE     | 1.596                                 |                       |                                         |              |
| 20       | LACATUS CONSTRUCTII METALICE          | 24.320                                |                       |                                         |              |
| 21       | LACATUS MONTAJ UTILAJ INDUSTRIAL      | 27.730                                |                       |                                         |              |
| 22       | LACATUS MONTAJ AGREGATE ENERGETICE    | 14.477                                |                       |                                         |              |
| 23       | LACATUS MECANIC INTRETINERE-REPARATII | 350.137                               |                       |                                         |              |
| 24       | SUDOR ELECTRIC                        | 202.268                               |                       |                                         |              |
| 25       | SUDOR GAZE                            | 3.540                                 |                       |                                         |              |



| Nr. crt. | Denumirea meseriei              | Consumuri (om-ore) cu manopera directa | Tarif mediu -RON/ora- | Valoare(exclusiv TVA) - RON - (2 x 3) | Procent 100% |
|----------|---------------------------------|----------------------------------------|-----------------------|---------------------------------------|--------------|
| 0        | 1                               | 2                                      | 3                     | 4                                     | 5            |
| 26       | SABLATOR                        | 2.808                                  |                       |                                       |              |
| 27       | MONTATOR CONDUCTE               | 527.614                                |                       |                                       |              |
| 28       | MONTATOR CONSTRUCTII METALICE   | 1.960                                  |                       |                                       |              |
| 29       | MUNCITOR DESERVIRE C-TII MASINI | 16.778                                 |                       |                                       |              |
| 30       | SONDOR MANUAL                   | 97.280                                 |                       |                                       |              |
| 31       | SONDOR MECANIC                  | 72.960                                 |                       |                                       |              |
| 32       | PEISAGIST                       | 22.590                                 |                       |                                       |              |
| 33       | COMUNALA                        | 53.166                                 |                       |                                       |              |
| 34       | LACATUS CONSTR. METAL-B         | 3.475                                  |                       |                                       |              |
| 35       | SUDOR ELECTRIC-B                | 3.000                                  |                       |                                       |              |
| 36       | SUDOR GAZE-B                    | 8.609                                  |                       |                                       |              |
| 37       | VOPSIOR INDUSTRIAL-B            | 8.972                                  |                       |                                       |              |
| 38       | MATERIALE                       | 16.290                                 |                       |                                       |              |
| 39       | TRACTORIST < 60CP               | 0.184                                  |                       |                                       |              |
| TOTAL    |                                 |                                        | RON                   |                                       |              |
|          |                                 |                                        | EURO                  |                                       |              |

Lucrarea se incadreaza in grupa:

Ofertant





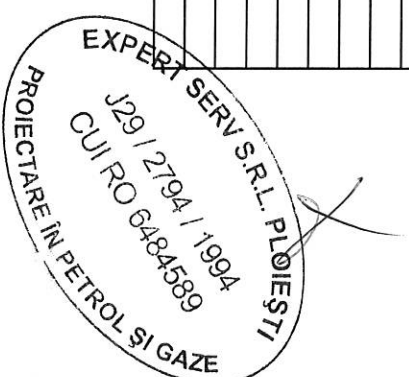
## Lista consumurilor de ore de functionare a Utilajelor de constructii

Lucrarea : **INLOC CD TITEI 4 1/2+8 5/8 COMANESTI VERNESTI ZONA I**

DEVIZ : (LISTA DEVIZE)

Obs: RON = leu greu

| Nr. crt. | Denumirea utilajului de constructii   | Consumuri<br>- ore de<br>functionare - | Tarif orar<br>- RON/ora functionare - | Valoare (exclusiv TVA)<br>- RON -<br>(2 x 3) |
|----------|---------------------------------------|----------------------------------------|---------------------------------------|----------------------------------------------|
| 0        | 1                                     | 2                                      | 3                                     | 4                                            |
| 1        | TF 2 SCHIMBURI                        | 2.500                                  |                                       |                                              |
| 2        | 5,9 MC/MIN                            | 1.400                                  |                                       |                                              |
| 3        | 20 MC/MIN                             | 0.415                                  |                                       |                                              |
| 4        | MC/MIN                                | 0.476                                  |                                       |                                              |
| 5        | 5,9 MC/MIN                            | 5.715                                  |                                       |                                              |
| 6        | MC/MIN                                | 0.042                                  |                                       |                                              |
| 7        | ADINCIME 500M                         | 22.800                                 |                                       |                                              |
| 8        | ETANSEITATE CONDUCTE                  | 10.000                                 |                                       |                                              |
| 9        | ELECTRICA)1-14KV                      | 12.500                                 |                                       |                                              |
| 10       | GRUP TERMIC DE SUDURA 28-35KV         | 123.269                                |                                       |                                              |
| 11       | INCL.COMPR.3.7MC/MIN 7KGF/CMP         | 1.404                                  |                                       |                                              |
| 12       | APA 15-30 KV                          | 0.426                                  |                                       |                                              |
| 13       | BULDOZER PE SENILE 81-180CP           | 12.000                                 |                                       |                                              |
| 14       | CELE 42CP                             | 98.279                                 |                                       |                                              |
| 15       | PE SASIU DE 3T                        | 18.430                                 |                                       |                                              |
| 16       | MOTOPOMPA 9-16CP                      | 5.715                                  |                                       |                                              |
| 17       | MOTOPOMPA 17-30CP                     | 0.039                                  |                                       |                                              |
| 18       | AUTO 3T                               | 15.000                                 |                                       |                                              |
| 19       | DE IRIDIU                             | 5.200                                  |                                       |                                              |
| 20       | 8T                                    | 0.226                                  |                                       |                                              |
| 21       | TROLIU ELECTRIC 3,1-5TF               | 0.009                                  |                                       |                                              |
| 22       | MACARA DE FEREA STRA 0,15TF           | 0.097                                  |                                       |                                              |
| 23       | MAX=5,5M                              | 20.000                                 |                                       |                                              |
| 24       | AUTOMACARA 6-9,9TF CU BRAT CU ZABRELE | 0.400                                  |                                       |                                              |
| 25       | SENILE PINA LA 15TF                   | 6.370                                  |                                       |                                              |



| Nr. crt. | Denumirea utilajului de constructii         | Consumuri<br>- ore de<br>functionare - | Tarif orar<br>- RON/ora functionare - | Valoare (exclusiv TVA)<br>- RON -<br>(2 x 3) |
|----------|---------------------------------------------|----------------------------------------|---------------------------------------|----------------------------------------------|
| 0        | 1                                           | 2                                      | 3                                     | 4                                            |
| 26       | SENILE DE SIPES 15TF                        | 105.669                                |                                       |                                              |
| 27       | CHELTUIELI PENTRU TRANSPORT UTILAJE-MII LEI |                                        |                                       |                                              |
| TOTAL    |                                             |                                        | RON                                   |                                              |
|          |                                             |                                        | EURO                                  |                                              |

Ofertant





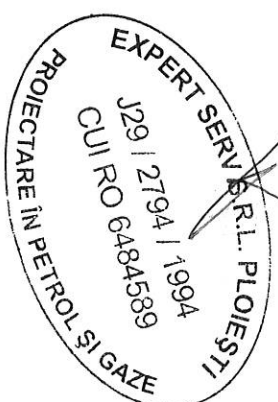
# Lista consumurilor privind transporturile

FORMULAR C9

Lucrarea : **INLOC CD TITEI 4 1/2+8 5/8 COMANESTI VERNESTI ZONA I**  
DEVIZ : (LISTA DEVIZE)  
Obs: RON = leu greu

| Nr. crt. | Tip de transport                              | Elemente rezultate din analiza lucrarilor ce urmeaza a fi executate |              |                    | Tarif unitar -RON/tona- | Valoare (exclusiv TVA) - RON - |
|----------|-----------------------------------------------|---------------------------------------------------------------------|--------------|--------------------|-------------------------|--------------------------------|
|          |                                               | Tone transportate                                                   | km. parcursi | ore de functionare |                         |                                |
| 0        | 1                                             | 2                                                                   | 3            | 4                  | 5                       | 6                              |
| 1        | Transport auto (total) din care, pe categorii | 197.960                                                             |              |                    |                         |                                |
| 1.001    | MATERIALELOR, SEMIFABRICATELOR CU             | 5.900                                                               |              |                    |                         |                                |
| 1.002    | MATERIALELOR, SEMIFABRICATELOR CU             | 4.000                                                               |              |                    |                         |                                |
| 1.003    | USOARE CU AUTOCAMIONUL PE DIST. =             | 1.000                                                               |              |                    |                         |                                |
| 1.004    | AUTOREMORCHIERE CU REMORCI TREILER            | 12.100                                                              |              |                    |                         |                                |
| 1.005    | AUTOREMORCHIERE CU REMORCI TREILER            | 16.000                                                              |              |                    |                         |                                |
| 1.006    | AUTOREMORCHIERE CU REMORCI TREILER            | 40.000                                                              |              |                    |                         |                                |
| 1.007    | MATERIALE, SEMIFABRICATE CU                   | 118.960                                                             |              |                    |                         |                                |
| 2        | categorii                                     | 19.931                                                              |              |                    |                         |                                |
| TOTAL    |                                               |                                                                     |              |                    | RON                     |                                |
|          |                                               |                                                                     |              |                    | EURO                    |                                |

Oferant



**PROIECT NR. : TE-119/2015**

**INVESTITIA : "INLOCUIRE CONDUCTA TITEI  $\varnothing 4^{1/2}$ " +  $\varnothing 8^{5/8}$ " COMANESTI-VERMESTI  
IN ZONELE SUBTRAVERSARE LINIE CF SI DN PE O LUNGIME DE CIRCA 238m SI IN  
ZONA PARAU URMENIS – SPATE TERMOCENTRALA PE O LUNGIME DE CIRCA  
450m" ZONA I – SUBTRAVERSARE LINIE CF SI DN**

**ANTEMASURATOARE : 253801 - DEMONTARE CONDUCTA EXISTENTA  $\varnothing 4^{1/2}$ "**

| NR CRT | SIMBOL ARTICOL | DENUMIRE, SPORURI                                        | U.M.           | CANT. | CALCUL CANTITATI                                                       |
|--------|----------------|----------------------------------------------------------|----------------|-------|------------------------------------------------------------------------|
| 1      | IZJ11B1        | Desfacerea izolatiei la capetele conductei               | m <sup>2</sup> | 0.5   |                                                                        |
| 2      | RPAC13B1       | Taieri la capetele conductei                             | buc            | 6     |                                                                        |
| 3      | GD08C1         | Confectionare si montaj capace pentru conducta existenta | buc            | 2     |                                                                        |
| 4      | M1M05C1        | Demontarea cond. existenta                               | m              | 146   |                                                                        |
| 5      | M1M06C1        | Demontare curbe                                          | buc            | 7     |                                                                        |
| 6      | M1M07C1        | Demontare confectii metalice                             | 10kg           | 15    |                                                                        |
| 7      | DF24A1         | Semnalizare lucrari                                      | pct            | 2     |                                                                        |
| 8      | TSA12C1        | Gropi identificare cd. existente                         | m <sup>3</sup> | 9     | 3buc x 3m <sup>3</sup> /buc                                            |
| 9      | TSF02B1        | Sprijinire maluri                                        | m <sup>2</sup> | 30    |                                                                        |
| 10     | TSA05C1        | Sapatura manuala pentru conducta                         | m <sup>3</sup> | 82    | 146m – 34m(CF+DN) =<br>112m x<br>(0.8m+0.7m)/2 x<br>0.97m(1.27m-0.30m) |
| 11     | TSD01C1        | Astupare manuala sant                                    | m <sup>3</sup> | 91    |                                                                        |
| 12     | TSD04D1        | Compactare manuala sant                                  | m <sup>3</sup> | 91    |                                                                        |
| 13     | TRA05A10       | Transport apa ptr. compactare                            | to             | 9.1   |                                                                        |
| 14     | AUT3554        | Buldozer pentru tragerea cond.                           | ore            | 6     |                                                                        |
| 15     | AUT6751        | Macara 5Tf                                               | ore            | 8     |                                                                        |
| 16     | TRI1AC07E1     | Incarcare materiale demontate                            | to             | 3.4   |                                                                        |
| 17     | TRI1AC15E1     | Descarcare materiale demontate                           | to             | 3.4   |                                                                        |
| 18     | TRA04A10       | Transport materiale demontate                            | to             | 3.4   |                                                                        |



**PROIECT NR. :TE-119/2015**

**INVESTITIA : "INLOCUIRE CONDUCTA TITEI  $\varnothing 4^{1/2}$ " +  $\varnothing 8^{5/8}$ " COMANESTI-VERMESTI  
IN ZONELE SUBTRAVERSARE LINIE CF SI DN PE O LUNGIME DE CIRCA 238m SI IN  
ZONA PARAU URMENIS – SPATE TERMOCENTRALA PE O LUNGIME DE CIRCA  
450m" ZONA I – SUBTRAVERSARE LINIE CF SI DN**

**ANTEMASURATOARE : 253802 - AMENAJARE TEREN TRASEU CONDUCTA  
PROIECTATA  $\varnothing 4^{1/2}$ "**

| NR CRT | SIMBOL ARTICOL | DENUMIRE, SPORURI                      | U.M.               | CANT. | CALCUL CANTITATI                                                                          |
|--------|----------------|----------------------------------------|--------------------|-------|-------------------------------------------------------------------------------------------|
| 1      | TSH01A1        | Curatare teren de craci, gunoi, pietre | 100 m <sup>2</sup> | 3.04  | 129m –<br>91m(traversare) =<br>38m x 8m = 304m <sup>2</sup>                               |
| 2      | NMB319721      | Montaj folie geotextila                | ore                | 1     |                                                                                           |
| 3      | 7461776        | Folie geotextila                       | m <sup>2</sup>     | 76    | 38m x 2m                                                                                  |
| 4      | TSA01B1        | Decopertare manuala strat vegetal      | m <sup>3</sup>     | 69    | 129m –<br>91m(traversare) =<br>38m x 6m = 228m <sup>2</sup> x<br>0.30m = 69m <sup>3</sup> |
| 5      | TRB04B2        | Aducere manuala strat vegetal          | to                 | 118   | 69m <sup>3</sup> x 1.7                                                                    |
| 6      | TSE01B1        | Nivelare manuala strat vegetal         | 100 m <sup>2</sup> | 2.28  | 129m –<br>91m(traversare) =<br>38m x 6m = 228m <sup>2</sup>                               |
| 7      | TSH13B1        | ingrasaminte                           | to                 | 0.005 | 38m x 6m = 228m <sup>2</sup> =<br>0.023Ha x 0.2to/Ha                                      |
| 8      | TSH09A1        | Semanare sup. decopertata              | 100 m <sup>2</sup> | 2.28  | 38m x 6m = 228m <sup>2</sup>                                                              |
| 9      | TSD14A1        | Udare semanaturi                       | m <sup>3</sup>     | 1.14  | 0.5m <sup>3</sup> /100m <sup>2</sup>                                                      |
| 10     | M2I15A         | Panou protectia muncii                 | m <sup>2</sup>     | 1     |                                                                                           |
| 11     | TRA05A10       | Transport apa pentru insamantari teren | to                 | 1.14  |                                                                                           |



**PROIECT NR. :TE-119/2015**

**INVESTITIA : "INLOCUIRE CONDUCTA TITEI  $\varnothing 4^{1/2}$ " +  $\varnothing 8^{5/8}$ " COMANESTI-VERMESTI  
IN ZONELE SUBTRAVERSARE LINIE CF SI DN PE O LUNGIME DE CIRCA 238m SI IN  
ZONA PARAU URMENIS – SPATE TERMOCENTRALA PE O LUNGIME DE CIRCA  
450m" ZONA I – SUBTRAVERSARE LINIE CF SI DN**

**ANTEMASURATOARE : 253803 - AMENAJARE TEREN TRASEU CONDUCTA  
EXISTENTA  $\varnothing 4^{1/2}$ " , CARE SE VA DEMONTA**

| NR<br>CRT | SIMBOL<br>ARTICOL | DENUMIRE, SPORURI                         | U.M.                  | CANT. | CALCUL CANTITATI                                                                   |
|-----------|-------------------|-------------------------------------------|-----------------------|-------|------------------------------------------------------------------------------------|
| 1         | TSH01A1           | Curatare teren de craci, gunoi,<br>pietre | 100<br>m <sup>2</sup> | 4.48  | 146m – 34m(CF+DN) =<br>112m x 4m = 448m <sup>2</sup>                               |
| 2         | NMB319721         | Montaj folie geotextila                   | ore                   | 3     |                                                                                    |
| 3         | 7461776           | Folie geotextila                          | m <sup>2</sup>        | 224   | 112m x 2m                                                                          |
| 4         | TSA01B1           | Decopertare manula strat<br>vegetal       | m <sup>3</sup>        | 68    | 146m – 34m(CF+DN) =<br>112m x 2m = 224m <sup>2</sup> x<br>0.30m = 68m <sup>3</sup> |
| 5         | TRB04B2           | Aducere manuala strat vegetal             | to                    | 115   | 68m <sup>3</sup> x 1.7                                                             |
| 6         | TSE01B1           | Nivelare manuala strat vegetal            | 100<br>m <sup>2</sup> | 2.24  | 146m – 34m(CF+DN) =<br>112m x 2m = 224m <sup>2</sup>                               |
| 7         | TSH13B1           | ingrasaminte                              | to                    | 0.005 | 112m x 2m = 224m <sup>2</sup> =<br>0.022Ha x 0.2to/Ha                              |
| 8         | TSH09A1           | Semanare sup. decopertata                 | 100<br>m <sup>2</sup> | 2.24  | 112m x 2m = 224m <sup>2</sup>                                                      |
| 9         | TSD14A1           | Udare semanaturi                          | m <sup>3</sup>        | 1.12  | 0.5m <sup>3</sup> /100m <sup>2</sup>                                               |
| 10        | TRA05A10          | Transport apa pentru<br>insamantari teren | to                    | 1.12  |                                                                                    |



**PROIECT NR. : TE-119/2015**

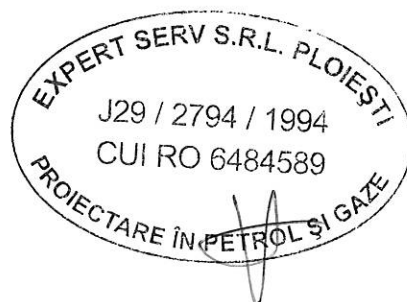
**INVESTITIA : "INLOCUIRE CONDUCTA TITEI  $\varnothing 4^{1/2}$ " +  $\varnothing 8^{5/8}$ " COMANESTI-VERMESTI  
IN ZONELE SUBTRAVERSARE LINIE CF SI DN PE O LUNGIME DE CIRCA 238m SI IN  
ZONA PARAU URMENIS – SPATE TERMOCENTRALA PE O LUNGIME DE CIRCA  
450m" ZONA I – SUBTRAVERSARE LINIE CF SI DN**

**ANTEMASURATOARE : 253804 - MONTAJ CONDUCTA  $\varnothing 4^{1/2}$ " x 127m**

| NR CRT | SIMBOL ARTICOL | DENUMIRE, SPORURI                                                       | U.M.           | CANT.  | CALCUL CANTITATI                         |
|--------|----------------|-------------------------------------------------------------------------|----------------|--------|------------------------------------------|
| 1      | TSA12C1        | Gropi identificare conducte existente                                   | m <sup>3</sup> | 6      | 2buc x 3m <sup>3</sup> /buc              |
| 2      | TSA14C1        | Gropi prizare la capetele conductei                                     | m <sup>3</sup> | 20     | 3m x 2m x 1.6m x 2buc                    |
| 3      | TSF02B1        | Sprijinire maluri                                                       | m <sup>2</sup> | 40     |                                          |
| 4      | TSA05C1        | Sapatura manuala ptr. conducta 127m – 114m(foraj si gropi foreza) = 13m | m <sup>3</sup> | 9.5    | 13m x (0.8m+0.7m)/2 x 0.97m(1.27m-0.30m) |
| 5      | GD09B1%        | Pat de nisip 127m -91m(foraj)                                           | m <sup>3</sup> | 3.8    | 36m x 0.7m x 0.15m                       |
| 6      | DA05A1         | Pamant cernut 10%                                                       | m <sup>3</sup> | 1      |                                          |
| 7      | TSD01C1        | Astupare sant manual                                                    | m <sup>3</sup> | 35.5   |                                          |
| 8      | TSD04D1        | Compactare manuala                                                      | m <sup>3</sup> | 35.5   |                                          |
| 9      | M1J04B1        | Asamblarea conductei montate in tub de protectie (91m)                  | to             | 1.87   |                                          |
| 10     | 6202818        | Scad apa                                                                | m <sup>3</sup> | -0.748 |                                          |
| 11     | AUT2505        | Scad electrocompresor                                                   | ore            | -2.561 |                                          |
| 12     | AUT3304        | Scad electropompa                                                       | ore            | -2.992 |                                          |
| 13     | GA02C1         | Montaj cond. ingropata                                                  | hm             | 0.36   |                                          |
| 14     | 2600294        | Scad bitum                                                              | kg             | -0.115 |                                          |
| 15     | 2600282        | Scad bitum                                                              | kg             | -2.16  |                                          |
| 16     | 2601913        | Scad impaslitura                                                        | m <sup>2</sup> | -0.648 |                                          |
| 17     | 2601664        | Scad carton bitumat                                                     | m <sup>2</sup> | -0.666 |                                          |
| 18     | AUT4030        | Scad topitor bitum                                                      | ore            | -0.072 |                                          |
| 19     | 3278515        | Teava preizolata 114.3x8mm L360N PSL2                                   | m              | 128    | 127m x 1.003                             |
| 20     | NMB019621      | Manopera montaj banda avertizoare                                       | ore            | 1      |                                          |
| 21     | 7106636        | Banda avertizoare                                                       | m              | 39     | 127m – 91m(foraj) = 36m x 1.08           |
| 22     | GD06A1         | Confectionare curbe                                                     | buc            | 1      |                                          |
| 23     | 3278516        | Teava 114.3x8.8mm L360N PSL2                                            | m              | 3      |                                          |
| 24     | GD05B1         | Montaj curbe 4"                                                         | buc            | 1      |                                          |
| 25     | M1L82A1        | Probe martor suduri                                                     | m              | 1      |                                          |
| 26     | M1L24A1        | Polizare suduri                                                         | m              | 7      |                                          |



|    |            |                                                                                                   |     |      |                                                      |
|----|------------|---------------------------------------------------------------------------------------------------|-----|------|------------------------------------------------------|
| 27 | M1L05A1    | Gamagrafiere suduri 4"<br>100%                                                                    | buc | 19   | Suduri 4" = 127m :<br>10m + 1curba x 2 +<br>2cuplari |
| 28 | NMB222791  | Control vizual suduri                                                                             | ore | 1    |                                                      |
| 29 | M1J38A1    | Poansonare suduri                                                                                 | buc | 19   |                                                      |
| 30 | GC05C1     | Probele conductei ( apa )                                                                         | hm  | 1.27 |                                                      |
| 31 | GC06C1     | Proba tronson la traversari                                                                       | buc | 1    |                                                      |
| 32 | AUT2920    | cimentruc                                                                                         | ore | 10   |                                                      |
| 33 | TFC02C1    | Curatarea conductei                                                                               | m   | 127  |                                                      |
| 34 | GC04C1     | Montare si demontare<br>echipament pentru curatare                                                | buc | 1    |                                                      |
| 35 | 3278098    | Piston cu perii 4"                                                                                | buc | 1    |                                                      |
| 36 | 2222240    | Dispozitiv spalare conducta                                                                       | buc | 2    |                                                      |
| 37 | DF18B1     | Montaj indicatori directie                                                                        | buc | 3    |                                                      |
| 38 | 3270001    | Indicator directie traseu cond.                                                                   | buc | 3    |                                                      |
| 39 | DH18B1     | Scriere indicatori directie                                                                       | buc | 3    |                                                      |
| 40 | DF24A1     | Semnalizare lucrari                                                                               | pct | 2    |                                                      |
| 41 | AUT3554    | Buldozer ptr. tragere conducta                                                                    | ore | 6    |                                                      |
| 42 | AUT6751    | Macara 5Tf                                                                                        | ore | 8    |                                                      |
| 43 | TRA04B50   | Asimilat cu transport utilaje<br>( cimentruc, buldozer )                                          | to  | 40   |                                                      |
| 44 | TRA01A30   | Transport nisip                                                                                   | to  | 5.9  |                                                      |
| 45 | TRA05A10   | Transport apa ptr. compactare<br>( 3.55mc ), spalare cond<br>(2.79mc) si probe cond.<br>(14.73mc) | to  | 21.1 |                                                      |
| 46 | TRI1AC07E1 | Incarcare materiale                                                                               | to  | 2.7  |                                                      |
| 47 | TRI1AC15E1 | Descarcare materiale                                                                              | to  | 2.7  |                                                      |
| 48 | TRA04A10   | Transport materiale                                                                               | to  | 2.7  |                                                      |



**PROIECT NR. :TE-119/2015**

**INVESTITIA : "INLOCUIRE CONDUCTA TITEI  $\varnothing 4^{1/2}$ " +  $\varnothing 8^{5/8}$ " COMANESTI-VERMESTI  
IN ZONELE SUBTRAVERSARE LINIE CF SI DN PE O LUNGIME DE CIRCA 238m SI IN  
ZONA PARAU URMENIS – SPATE TERMOCENTRALA PE O LUNGIME DE CIRCA  
450m" ZONA I – SUBTRAVERSARE LINIE CF SI DN**

**ANTEMASURATOARE : 253805 - SUBTRAVERSARE CF SI DN CU CONDUCTA  $\varnothing 4^{1/2}$ "  
( TUB PROTECTIE, INSTALATIE DE SCURGERE SI AERISIRE )**

| NR CRT | SIMBOL ARTICOL | DENUMIRE, SPORURI                                                                                                            | U.M.           | CANT.    | CALCUL CANTITATI                |
|--------|----------------|------------------------------------------------------------------------------------------------------------------------------|----------------|----------|---------------------------------|
| 1      | GA09A1         | Saparea tunelului, imbinarea si introducerea tevii de protectie                                                              | m              | 91       |                                 |
| 2      | 2600294        | Scad bitum                                                                                                                   | kg             | -14.56   |                                 |
| 3      | 2600282        | Scad bitum                                                                                                                   | kg             | -1015.56 |                                 |
| 4      | AUT4030        | Scad topitor de bitum                                                                                                        | ore            | -5.46    |                                 |
| 5      | 3278517        | teava 273.0x8mm L245 PSL1                                                                                                    | m              | 93       | 91m x 1.02(pierdere)            |
| 6      | IZL04B1        | Montaj inele distantiere<br><b>Spor: -100% mat.</b>                                                                          | m              | 91       |                                 |
| 7      | 7454771        | Inele distantiere 4"-10"                                                                                                     | buc            | 93       |                                 |
| 8      | M1G12A1        | Montaj presetupe ( 2 buc )                                                                                                   | to             | 0.020    |                                 |
| 9      | 3278518        | Presetupa 4inch – 10inch                                                                                                     | buc            | 2        |                                 |
| 10     | GA11A1         | Instalatie scurgere si aerisire<br>( inclusiv sapare sant, gropi pentru recipient, preparare si turnare beton pentru soclu ) | buc            | 1        |                                 |
| 11     | 2600282        | Scad bitum                                                                                                                   | kg             | -75      |                                 |
| 12     | 6718518        | Scad banda protectie                                                                                                         | m <sup>2</sup> | -16      |                                 |
| 13     | 3117177        | Scad teava scurgere                                                                                                          | m              | -41.2    |                                 |
| 14     | 2600294        | Scad bitum                                                                                                                   | kg             | -2.2     |                                 |
| 15     | 3278519        | Teava 60.3 x 3.5mm L210                                                                                                      | m              | 11       |                                 |
| 16     | 6310172        | Instalatie de aerisire<br>( confectionie metalica )                                                                          | kg             | 150      |                                 |
| 17     | 3278520        | Camin colectare scurgeri<br>521 x 7.14mm , h = 3.5m                                                                          | buc            | 1        |                                 |
| 18     | M1J04B1        | Confectionare instalatie de aerisire                                                                                         | to             | 0.150    |                                 |
| 19     | M1J04D1        | Confectionare camin scurgeri                                                                                                 | to             | 0.548    |                                 |
| 20     | IZA01B1        | Sablare instalatie de aerisire<br>(1mp) si camin(0.4mp), in vederea vopsirii                                                 | m <sup>2</sup> | 1.4      |                                 |
| 21     | IZD08B1        | Vopsire inst. de aerisire si camin<br><b>Spor: -100% mat.</b>                                                                | m <sup>2</sup> | 2.8      | 2.8 m <sup>2</sup> x 2 straturi |
| 22     | 6100091        | Grund ( 2 straturi )                                                                                                         | kg             | 0.4      |                                 |
| 23     | 6100092        | Email ( 2 straturi )                                                                                                         | kg             | 0.3      |                                 |





|    |             |                                      |                |      |                                                                                            |
|----|-------------|--------------------------------------|----------------|------|--------------------------------------------------------------------------------------------|
| 24 | NMB222791   | Control vizual                       | ore            | 2    |                                                                                            |
| 25 | TSA07C1     | Gropi pentru foreza h<2m             | m <sup>3</sup> | 410  | 17m x 11m x 1.7m(2m-0.30m) + 6m x 9m x 1.7m(2m-0.30m)                                      |
| 26 | TSA07F1     | Gropi pentru foreza h>2m             | m <sup>3</sup> | 455  | 17m x 11m x 2m + 6m x 9m x 1.5m                                                            |
| 27 | TSF03B1     | Sprijinire maluri                    | m <sup>2</sup> | 263  | 17m x 3.7m(4m-0.30m) x 2buc + 11m x 3.7m + 6m x 3.2m x 2buc(3.5m-0.30m) + 9m x 3.2m x 2buc |
| 28 | DA05A1      | Pamant cernut                        | m <sup>3</sup> | 86   | 865 m <sup>3</sup> x 10%                                                                   |
| 29 | TSD01C1     | Astupare gropi foreza                | m <sup>3</sup> | 865  |                                                                                            |
| 30 | TSD04D1     | Compactare gropi foreza              | m <sup>3</sup> | 865  |                                                                                            |
| 31 | AUT6751     | Macara 5tf                           | ore            | 4    |                                                                                            |
| 32 | TRA05A10    | Transport apa ptr. compactare        | to             | 86.5 | 0.1 m <sup>3</sup> apa / m <sup>3</sup> pamant                                             |
| 33 | TRI1AC07E1  | Incarcare materiale                  | to             | 6    |                                                                                            |
| 34 | TRA04A10    | Transport materiale la santier       | to             | 6    |                                                                                            |
| 35 | TRI1AC15E1  | Descarcare materiale                 | to             | 6    |                                                                                            |
| 36 | MDTC4622050 | Transport macara la si de la santier | buc            | 1    |                                                                                            |





INLOCUIRE CONDUCTA GAZOLINA 4"si 8"COM

INLOCUIRE CONDUCTA GAZOLINA 4" si 8" COMANESTI - VERMESTI  
**ZONA I L=127M**

D01 IZOLARE ANTICOROSIVA

27.04.2015 PAG: 1

=====

| =NR. SIMBOL ART.  | CANTITATE | UM | = |
|-------------------|-----------|----|---|
| = D E N U M I R E |           |    | = |
| = A R T I C O L   |           |    | = |
| =                 |           |    | = |

=====

01 IZA01B1

CURATIREA PRIN SABLARE PT PROT ANTICOROZ  
IVE SUPRAFMETAL CU NISIP DE RIU  
17SUDURI\*0.6M\*0.36MP/ML=4MP  
Cantitate= 4.000 MP.

02 IZA04A1

PREGATIREA SUPRAF.DE BETON SAU METAL PRI  
N CURATIRE CU PERIA DE SIRMA  
1CURBE\*3M\*0.36MP/ML=1MP  
85M TUB PROTECTIE\*0.86MP/ML=74MP  
3MP PT CAMIN SCURG.DISP. AERISIRE  
SI REPARATII CONECT. CABLURI  
Cantitate= 78.000 MP.

03 IZL02B1

IZOL.ANTICOR.EXEC.MAN.PE TRASEU,TEVI OTE  
L,CU PROT.EXT.IMPISLIT.FIBRE STICLA, IZOL  
ATIE INTARITA  
4MP+78MP=82MP  
Cantitate= 82.000 MP.  
-100% MATERIALE

04 NMB320111

TRACTORIST < 60CP CAT.1  
82MP\*0.02851=2.33782ORE  
Cantitate= - 2.33782 ORA

05 AUT4030

TOPITOR DE BITUM TRACTAT(EXCLUS.TRACTORU  
L) 500-1000L  
82MP\*0.16=13.120ORE  
Cantitate= - 13.120 ORA

06 7457118

MANSON TERMOCONTRACTIL TIP CANUSA DN100 MM-suduri  
17BUC+1BUC REZERVA=18BUC  
Cantitate= 18.000 BUC. 35 LEI/B

07 7458324

BATON MASTIC(CANUSA) D=10MM,L=300MM  
10BUC PENTRU REPARATII  
CONDUCTA SI CONECTARE CABLURI  
Cantitate= 10.000 BUC.

08 7458325

BANDA PTR.REPARATII TIP CRP(CANUSA) l=150MM L=  
30M/ROLA  
5ML PENTRU REPARATII



CONDUCTA SI CONECTARE CABLURI  
Cantitate= 5.000 M  
09 7461276  
IZOL.PT. CURBE+COTURI TIP CANUSA HCA-B-50-15-  
-BK DN 4"  
1CURBE\*14.8ML/CURBA=15M  
30M PT CAMIN SCURG.SI DISP. AERISIRE  
Cantitate= 45.000 M 4LEI/M  
10 7461279  
IZOL.PT. CURBE+COTURI TIP CANUSA HCA-B-100-15-  
-BK DN 10"  
79MP TUB PROTECTIE /0.05M(50%SUPRAPUNERE,  
LATIME BANDA 100MM)=1580M  
Cantitate= 1580.000 M 6LEI/M



# A N T E M A S U R A T O A R E

D02 PREGATIRE PENTRU PROTECTIE CATODICA 27.04.2015 PAG: 1

| =NR. SIMBOL ART.  | CANTITATE | UM | = |
|-------------------|-----------|----|---|
| = D E N U M I R E |           |    | = |
| = A R T I C O L   |           |    | = |
| =                 |           |    | = |

01 M1K12A1

PRIZ.POTENTIAL PT.MASURAREA PARAM.ELECTR  
.PROTECTIA CONTRA COROZIUNII CONDUC.INGRO  
P.TIP 1 AFARA LO

Cantitate= 1.000 BUC.

**-100% MATERIALE**

02 7460424

PRIZA POTENTIAL TIP ENERGO

1BUC

Cantitate= 1.000 BUC.

03 7460634

CABLU ENERGIE CYX 0,6/ 1KV 1X 6 M S  
.8778

5M+5M=10M

Cantitate= 10.000 M

04 7460637

CABLU ENERGIE CYX 0,6/ 1KV 1X 25 M S  
.8778

5M

Cantitate= 5.000 M

05 TSA16C1

SAP.MAN.IN TRANSEE PT.CABL.EL.IN PAM.CU  
UMID.NAT.FARA SPRIJ.LAT.<1M,ADINC.<1,5M,  
T.TARE

15M\*0.5M\*0.8M=6MC

Cantitate= 6.000 M.C.

06 TSD01C1

IMPRASTIEREA CU LOPATA A PAMINT.AFINAT,S  
TRAT UNIFORM 10-30CM.GROS CU SFARIM.BULG  
.TEREN TARE

10%\*6MC=1MC

Cantitate= 1.000 M.C.

07 TSD04A1

COMPACTAREA CU MAI.DE MINA A UMPLUT.EXEC  
UT.PE STRAT.CU UDAREA FIEC.STRAT DE 10CM  
GROS.T.NECOZIV

90%\*6MC=5MC

Cantitate= 5.000 M.C.



08 W2H04A#

Strat de nisipasezat in sant pentru protejare a cablurilor la lucrari in profil netipizat

15M CABLU\*0.5M\*0.2M=1.5MC

Cantitate= 1.500 M.C.

09 W2H05A#

Banda din PVC pentru protejare a cablurilor in profil netipizat

15M CABLU\*0.3M LATIME BANDA=4.5MP

Cantitate= 4.500 MP.

10 W1M054F#

Papuc fixat pe conductor 16-25mm<sup>2</sup> Cu

Cantitate= 11.000 BUC.

11 5202665

PAPUC STANTAT PT.COND.CU SI AL 25 X 8X 6,8 C  
UZN S243

5BUC ANOZI ZN+2CONTACTE=5BUC

Cantitate= 7.000 BUC.

12 7460596

PAPUC STANTAT DIN CUPRU PT. COND.CUPRU 6X  
4,5

4BUC CONTACTE\*1PRIZE POTENTIAL=4BUC

Cantitate= 4.000 BUC.



# A N T E M A S U R A T O A R E

D03 PROTECTIE CATODICA SI LEGAREA LA PAMANT 27.04.2015 PAG: 1

| =NR. SIMBOL ART.  | CANTITATE | UM | = |
|-------------------|-----------|----|---|
| = D E N U M I R E |           |    | = |
| = A R T I C O L   |           |    | = |
| =                 |           |    | = |

01 M1K18A1

ANOD ACTIV SUPL. TRASEU PENTRU LEGAREA LA  
PAMINT CU ANOD DE ZINC

Cantitate= 5.000 BUC.

02 3701265

BANDA DIN OTEL LAM. CALD S908 4 X 25 OL37-  
1N

5 ANOZI ZN\*2.5KG=12.5KG

Cantitate= -12.500 KG

03 4801725

CABLU ENERGIE CY 0,6/ 1KV 1X 25 M S  
.8778

6M PRIMUL ANOD+3M A DOILEA ANOD+

6M AL TREILEA ANOD, 9M AL PATRULEA ANOD,

12M AL CINCILEA ANOD=15M

Cantitate= 36.000 M

04 W2H04A#

Strat de nisipasezat in sant pentru pro  
tejareacablelor la lucrari in profil ne  
tipizat

36M CABLU\*0.5M\*0.8M=4MC

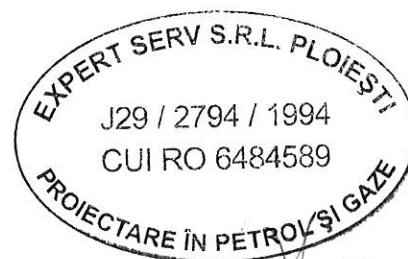
Cantitate= 4.000 M.C.

05 W2H05A#

Banda din PVC pentru protejareacablelor  
in profil netipizat

36M CABLU\*0.3M LATIME BANDA=11MP

Cantitate= 11.000 MP.



# A N T E M A S U R A T O A R E

D04 VERIFICAREA CALITATII IZOLATIEI 27.04.2015 PAG: 1

| =NR. SIMBOL ART.  | CANTITATE | UM | = |
|-------------------|-----------|----|---|
| = D E N U M I R E |           |    | = |
| = A R T I C O L   |           |    | = |
| =                 |           |    | = |

01 AUT4803  
AUTOLAB.MOBIL PT.VERIFICARI ELECTRICE PE  
AUTO 3T

Cantitate= 5.000 ORA  
02 W1MM05A#  
Legarea la pamantaelementelormetalice  
mobile cu conductor flexibil

Cantitate= 1.000 BUC.  
03 NMB020471  
ELECTRICIAN APARATAJ ELECTRIC STATII PRO  
T. CAT.7

Cantitate= 5.000 ORA  
04 NMB020451  
ELECTRICIAN APARATAJ ELECTRIC STATII PRO  
T. CAT.5

Cantitate= 18.000 ORA  
05 NMB020441  
ELECTRICIAN APARATAJ ELECTRIC STATII PRO  
T. CAT.4

Cantitate= 9.000 ORA



# A N T E M A S U R A T O A R E

D05 PUNEREA IN FUNCTIUNE

27.04.2015 PAG: 1

| =NR. SIMBOL ART.  | CANTITATE | UM | = |
|-------------------|-----------|----|---|
| = D E N U M I R E |           |    | = |
| = A R T I C O L   |           |    | = |
| =                 |           |    | = |

01 AUT4803  
AUTOLAB.MOBIL PT.VERIFICARI ELECTRICE PE  
AUTO 3T

Cantitate= 5.000 ORA  
02 W1MM05A#  
Legarea la pamantaelementelormetalice  
mobile cu conductor flexibil

Cantitate= 1.000 BUC.  
03 NMB020471  
ELECTRICIAN APARATAJ ELECTRIC STATII PRO  
T. CAT.7

Cantitate= 5.000 ORA  
04 NMB020451  
ELECTRICIAN APARATAJ ELECTRIC STATII PRO  
T. CAT.5

Cantitate= 18.000 ORA



# A N T E M A S U R A T O A R E

D06 INVESTIGAREA STARII TEHNICE A IZOLATIEI CONDUCTEI  
DUPA INGROPARE SI TESTE DE INTERFERENTA CU ALTE  
CONDUCTE 27.04.2015 PAG: 1

=====

|                   |               |    |   |
|-------------------|---------------|----|---|
| =NR. SIMBOL ART.  | CANTITATE     | UM | = |
| = D E N U M I R E |               |    | = |
| =                 | A R T I C O L |    | = |
| =                 |               |    | = |

=====

01 AUT4803  
AUTOLAB.MOBIL PT.VERIFICARI ELECTRICE PE  
AUTO 3T

Cantitate= 5.000 ORA  
02 W1MN05A#  
Legarea la pamantaelementelormetalice  
mobile cu conductor flexibil

Cantitate= 2.000 BUC.  
03 NMB020471  
ELECTRICIAN APARATAJ ELECTRIC STATII PRO  
T. CAT.7

Cantitate= 5.000 ORA  
04 NMB020451  
ELECTRICIAN APARATAJ ELECTRIC STATII PRO  
T. CAT.5

Cantitate= 14.000 ORA  
05 NMB020441  
ELECTRICIAN APARATAJ ELECTRIC STATII PRO  
T. CAT.4

Cantitate= 7.000 ORA  
06 TRA02B10  
TRANSPORTUL RUTIER AL MATERIALELOR USOARE  
CU AUTOCAMIONUL PE O DISTANT.= 10km  
Cantitate= 1.000 TONE

