STADIUL FIZIC: BRANSAMENT APA (De 90 mm)_(15 buc.)

0	1	2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES					
STADIUL FIZIC: BRANSAMENT APA (De 90 mm)_(15 buc.)					
3.16 **4114614**	Teu redus zincat DN 3/4x1/2x3/4 cod 45r13008	**buc**	**1.00**	**5.65**	**5.65**
			material:	5.65	5.65
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.17 **SD10B1**	Robinet...trecere din am,pentru tevi plumb cu d=3/4 ,roata manevra bachelita,simbol a 83-3/4	**buc**	**2.00**	**82.10**	**164.19**
			material:	59.92	119.84
			manopera:	22.18	44.35
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.17. 4204427	Robinet de trecere cu sfera pentru apa, tip fi - fi cu D = 3/4"	buc	2.00	20.95	41.90
3.18 **SD10A1**	Robinet...de trecere din alama pentru tevi de plumb,cu diametrul d=3/8 sau d=1/2 toli	**buc**	**1.00**	**51.59**	**51.59**
			material:	33.53	33.53
			manopera:	18.06	18.06
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.18. 4204422	Robinet de trecere cu sfera pentru apa, tip fi - fi cu D = 1/2"	buc	1.00	12.00	12.00
3.19 **ACE12A1**	Montare contor de apa cu palete avand d 15 mm	**buc**	**1.00**	**42.81**	**42.81**
			material:	6.38	6.38
			manopera:	36.43	36.43
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.20 **20032489**	APOMETRU DN15	**buc**	**1.00**	**222.20**	**222.20**
			material:	222.20	222.20
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.21 **AcD101A03+ (asim1)**	Camine prefabricate din beton pentru apa, avand:d=80cm, H=130 cm, g=12cm, pentru imbinare cu garnitura	**buc**	**1.00**	**674.46**	**674.46**
			material:	645.00	645.00
			manopera:	29.46	29.46
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.22 **ACD01J1**	Capac si rama STAS 2308-81 pentru camine cu piesa suport carosabil tip III a	**buc**	**1.00**	**882.14**	**882.14**
			material:	812.44	812.44
			manopera:	69.70	69.70
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.23 **ACE07A1**	Spalarea si desinfectarea conductelor de alimentare cu apa avand dn 50	**100 m**	**0.05**	**53.90**	**2.69**
			material:	4.16	0.21
			manopera:	49.74	2.49
			utilaj:	0.00	0.00
			transport:	0.00	0.00

	procent	material	manopera	utilaj	transport	total
Total Cheltuieli directe:		**2,283.22**	**724.10**	**473.62**	**244.00**	**3,724.94**
Recapitulatia:	Recap 2019: CAM 2,25					
Contributie asiguratorie pentru munca (CAM)	2.2500 %	0.00	16.29	0.00	0.00	16.29
Total Inclusiv Cheltuieli directe:		**2,283.22**	**740.39**	**473.62**	**244.00**	**3,741.23**
Cheltuieli indirecte	8.0000 %	182.66	59.23	37.89	19.52	299.30
Total Inclusiv Cheltuieli indirecte:		**2,465.88**	**799.62**	**511.51**	**263.52**	**4,040.53**
Profit	5.0000 %	123.29	39.98	25.58	13.18	202.03
Total Inclusiv Beneficiu:		**2,589.17**	**839.60**	**537.08**	**276.70**	**4,242.56**

STADIUL FIZIC: BRANSAMENT APA CU REDUCTOR (De 125 mm)_(43 buc.)

0	1	2	3	4	5 = 3 x 4

OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES

STADIUL FIZIC: BRANSAMENT APA CU REDUCTOR (De 125 mm)_(43 buc.)

1 TERASAMENTE

1.1	TSC03C1	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in depozit teren catg 3	100 mc	**0.04**	**940.00**	**37.60**
				material:	0.00	0.0
				manopera:	0.00	0.00
				utilaj:	940.00	37.60
				transport:	0.00	0.0
1.2	TSC03G1	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in autovehicule teren catg 3	100 mc	**0.09**	**1,040.00**	**93.6**
				material:	0.00	0.00
				manopera:	0.00	0.0
				utilaj:	1,040.00	93.6
				transport:	0.00	0.00
1.3	TSA04G1	Sapatura manuala de pamant in spatii limitate,avand sub 1 m latime si maximum 4.50 m adancime,executata cu sprijiniri,cu evacuare manuala,la fundatii,canale,drumuri etc...in pamant cu umiditate naturala adancimea sapaturii 1,5-3 teren foarte tare	mc	**1.40**	**173.97**	**243.5**
				material:	1.63	2.2
				manopera:	172.34	241.27
				utilaj:	0.00	0.0
				transport:	0.00	0.0
1.4	TRA01A05P	Transportul rutier al...pamantului sau molozului cu autobasculanta dist.= 5 km	tona	**16.20**	**10.00**	**162.0**
				material:	0.00	0.0
				manopera:	0.00	0.01
				utilaj:	0.00	0.0
				transport:	10.00	162.0

2 REFACERI

2.1	DA06A2	Strat de agregate naturale cilindrate (nisip), avand functia de rezidenta filtranta, izolatoare, antigeliva si anticapilara, cu asternere manuala;	mc	**1.14**	**128.50**	**146.5**
				material:	82.35	93.87
				manopera:	36.75	41.89
				utilaj:	9.41	10.73
				transport:	0.00	0.0
2.2	TRA01A40	Transportul rutier al...materialelor,semifabricatelor cu autobasculanta pe dist.= 40 km.	tona	**2.05**	**40.00**	**82.00**
				material:	0.00	0.00
				manopera:	0.00	0.0
				utilaj:	0.00	0.00
				transport:	40.00	82.00
2.3	TRB01B11	Transportul materialelor cu roaba pe pneuri inc aruncare desc aruncare grupa...1-3 distanta 10m	tona	**0.50**	**22.49**	**11.25**
				material:	0.00	0.00
				manopera:	22.49	11.25
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.4	TSD02C1	Imprastierea pamantului afanat provenit din teren categoria 1 sau 2,executata cu buldozer pe tractor cu senile de 65-80 CP,in straturi cu grosimea de:...31-50 cm	100 mc	**0.05**	**188.00**	**10.15**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	188.00	10.15
				transport:	0.00	0.00
2.5	TSD06A1	Compactarea cu placa vibratoare a umpluturilor in straturi de 20-30 cm grosime,exclusiv udarea fiecarui strat in parte,umpluturile executandu-se din pamant necoeziv,compactat cu:...placa vibratoare de 0.7 t	100 mc	**0.05**	**286.39**	**15.47**
				material:	0.00	0.00
				manopera:	139.39	7.53
				utilaj:	147.00	7.94
				transport:	0.00	0.00

3 INSTALATII

STADIUL FIZIC: BRANSAMENT APA CU REDUCTOR (De 125 mm)_(43 buc.)

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES						
	STADIUL FIZIC: BRANSAMENT APA CU REDUCTOR (De 125 mm)_(43 buc.)					
3.1	**ACA12A(+asim)**	Montarea in pamant a tevilor din polietilena de presiune, de inalta densitatae, densitate alimentarilor cu apa, asamblate prin metoda de sudare manuala, cu manson de polietilena, cu flanse, conform normativului I-6-PE, avand diametrul de: 20-25mm	**m**	**5.00**	**9.80**	**48.99**
				material:	2.66	13.31
				manopera:	6.34	31.68
				utilaj:	0.80	4.00
				transport:	0.00	0.00
3.1.L	6701122	Teava HDPE 80 312uni7611.7615 pn6 DN 25x1.6 cod 64000085	m	5.10	2.15	10.97
3.2	**W2H05A-1% (asim)**	Montat banda avertizoare	**m**	**5.10**	**1.83**	**9.35**
				material:	0.57	2.89
				manopera:	1.27	6.46
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.3	**EB01A1 (asim)**	Montat conductor insotitor din cupru	**m**	**5.10**	**1.95**	**9.96**
				material:	1.00	5.11
				manopera:	0.95	4.85
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.4	**AcA62D+**	Sudura prin electrofuziune sa/teu bransament electrosudabil cu/fara colier din PEHD - VALROM...D = 90-160 mm	**buc**	**1.00**	**17.01**	**17.01**
				material:	0.00	0.00
				manopera:	15.21	15.21
				utilaj:	1.80	1.80
				transport:	0.00	0.00
3.5	**7106606**	Teu bransament pe80 sdr11 125mm x 25mm sr	**buc**	**1.00**	**178.60**	**178.60**
				material:	178.60	178.60
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.6	**AcA54A+ (ASIM)**	Sudura cap la cap fiting din PEHD PE100 SDR 17 cu 2 imbinari D = 20 - 50 mm	**buc**	**3.00**	**138.72**	**416.15**
				material:	0.00	0.00
				manopera:	36.12	108.35
				utilaj:	102.60	307.80
				transport:	0.00	0.00
3.7	**20010127**	Mufa electrosudabila pehd dn=25mm	**buc**	**2.00**	**14.80**	**29.60**
				material:	14.80	29.60
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.8	**11804882**	Racord FI 25 x 3/4	**buc**	**1.00**	**15.05**	**15.05**
				material:	15.05	15.05
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.9	**AcA65B+**	Imbinare fiting de compresiune din PEHD - VALROM cu 2 imbinari (racord/cot tip FE sau FI)...D = 25-32 x ¾"	**buc**	**2.00**	**4.56**	**9.12**
				material:	0.12	0.25
				manopera:	4.44	8.87
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.9.L	20020489	Racord <waterkit> compres.d. 25x3/4 fi	buc	2.00	15.05	30.10
3.10	**C34C1**	Fitinguri din fonta maleabila pentru imbin. insurub. tevi. otel piesele fiind cu 2 insurub. pentru d=3/4 toli	**buc**	**4.00**	**7.13**	**28.52**
				material:	0.16	0.64
				manopera:	6.97	27.88
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: BRANSAMENT APA CU REDUCTOR (De 125 mm)_(43 buc.)

0	1		2	3	4	5 = 3 x 4
OBIECTUL:	**EXTINDERE RETEA APA SI BRANSAMENTE SAT METES**					
	STADIUL FIZIC:	**BRANSAMENT APA CU REDUCTOR (De 125 mm)_(43 buc.)**				
3.11	**4123164**	Niplu normal zincat DN 3/4 cod 45028003	**buc**	**2.00**	**3.95**	**7.9**
				material:	3.95	7.90
				manopera:	0.00	0.0
				utilaj:	0.00	0.0
				transport:	0.00	0.00
3.12	**4113845**	Reductie zincata fi-fe DN 3/4x1/2 cod 45024103	**buc**	**2.00**	**3.50**	**7.0**
				material:	3.50	7.0
				manopera:	0.00	0.00
				utilaj:	0.00	0.0
				transport:	0.00	0.0
3.13	**IC34B1**	Fitinguri din fonta maleabila pentru imbin. insurub. tevi. otel piesele fiind cu 2 insurub. pentru d=1/2 toli	**buc**	**2.00**	**5.19**	**10.38**
				material:	0.12	0.24
				manopera:	5.07	10.14
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.14	**4123114**	Niplu normal zincat DN 1/2 cod 45028002	**buc**	**2.00**	**3.05**	**6.1**
				material:	3.05	6.1
				manopera:	0.00	0.00
				utilaj:	0.00	0.0
				transport:	0.00	0.0
3.15	**SD10B1**	Robinet...trecere din am,pentru tevi plumb cu d=3/4 ,roata manevra bachelita,simbol a 83-3/4	**buc**	**2.00**	**82.10**	**164.19**
				material:	59.92	119.84
				manopera:	22.18	44.35
				utilaj:	0.00	0.00
				transport:	0.00	0.0
3.15.	4204427	Robinet de trecere cu sfera pentru apa, tip fi - fi cu D = 3/4"	buc	2.00	20.95	41.9
3.16	**ACE12A1 (asim)**	Montare reductor de presiune avand d 1/2"	**buc**	**2.00**	**42.81**	**85.62**
				material:	6.38	12.76
				manopera:	36.43	72.86
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.17	**4625586**	Reductor de presiune 1/2	**buc**	**1.00**	**183.15**	**183.15**
				material:	183.15	183.15
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.18	**2806230**	Filtru de apa pentru impuritati y 1/2	**buc**	**1.00**	**13.20**	**13.20**
				material:	13.20	13.20
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.19	**ACE12A1**	Montare contor de apa cu palete avand d 15 mm	**buc**	**1.00**	**42.81**	**42.81**
				material:	6.38	6.38
				manopera:	36.43	36.43
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.20	**20032489**	APOMETRU DN15	**buc**	**1.00**	**222.20**	**222.20**
				material:	222.20	222.20
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: BRANSAMENT APA CU REDUCTOR (De 125 mm)_(43 buc.)

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES						
STADIUL FIZIC: BRANSAMENT APA CU REDUCTOR (De 125 mm)_(43 buc.)						
3.21	AcD101A03+ (asim1)	Camine prefabricate din beton pentru apa, avand:d=80cm, H=130 cm, g=12cm, pentru imbinare cu garnitura	buc	1.00	674.46	674.46
				material:	645.00	645.00
				manopera:	29.46	29.46
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.22	ACD01J1	Capac si rama STAS 2308-81 pentru camine cu piesa suport carosabil tip III a	buc	1.00	882.14	882.14
				material:	812.44	812.44
				manopera:	69.70	69.70
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.23	ACE07A1	Spalarea si desinfectarea conductelor de alimentare cu apa avand dn 50	100 m	0.05	53.90	2.69
				material:	4.16	0.21
				manopera:	49.74	2.49
				utilaj:	0.00	0.00
				transport:	0.00	0.00

	procent	material	manopera	utilaj	transport	total
Total Cheltuieli directe:		**2,460.98**	**770.67**	**473.62**	**244.00**	**3,949.27**
Recapitulatia:	Recap 2019: CAM 2,25					
Contributie asiguratorie pentru munca (CAM)	2.2500 %	0.00	17.34	0.00	0.00	17.34
Total Inclusiv Cheltuieli directe:		**2,460.98**	**788.01**	**473.62**	**244.00**	**3,966.61**
Cheltuieli indirecte	8.0000 %	196.88	63.04	37.89	19.52	317.33
Total Inclusiv Cheltuieli indirecte:		**2,657.86**	**851.05**	**511.51**	**263.52**	**4,283.94**
Profit	5.0000 %	132.89	42.55	25.58	13.18	214.20
Total Inclusiv Beneficiu:		**2,790.76**	**893.60**	**537.08**	**276.70**	**4,498.13**

OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES

STADIUL FIZIC: BRANSAMENT APA CU REDUCTOR (De 110 mm)_(4 buc.)

1	**TERASAMENTE**					
1.1	TSC03C1	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in depozit teren catg 3	100 mc	0.04	940.00	37.60
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	940.00	37.60
				transport:	0.00	0.00
1.2	TSC03G1	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in autovehicule teren catg 3	100 mc	0.09	1,040.00	93.60
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	1,040.00	93.60
				transport:	0.00	0.00
1.3	TSA04G1	Sapatura manuala de pamant in spatii limitate,avand sub 1 m latime si maximum 4.50 m adancime,executata cu sprijiniri,cu evacuare manuala,la fundatii,canale,drumuri etc...in pamant cu umiditate naturala adancimea sapaturii 1,5-3 teren foarte tare	mc	1.40	173.97	243.56
				material:	1.63	2.28
				manopera:	172.34	241.27
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.4	TRA01A05P	Transportul rutier al...pamantului sau molozului cu autobasculanta dist.= 5 km	tona	16.20	10.00	162.01
				material:	0.00	0.00
				manopera:	0.00	0.01
				utilaj:	0.00	0.00
				transport:	10.00	162.00
2	**REFACERI**					

STADIUL FIZIC: BRANSAMENT APA CU REDUCTOR (De 110 mm)_(4 buc.)

0	1	2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES					
STADIUL FIZIC: BRANSAMENT APA CU REDUCTOR (De 110 mm)_(4 buc.)					
2.1	DA06A2	Strat de agregate naturale cilindrate (nisip), avand functia de rezidenta filtranta, izolatoare, antigeliva si anticapilara, cu asternere manuala;	mc	1.14	128.50	146.5(
				material:	82.35	93.87
				manopera:	36.75	41.8(
				utilaj:	9.41	10.7(
				transport:	0.00	0.00
2.2	TRA01A40	Transportul rutier al...materialelor,semifabricatelor cu autobasculanta pe dist.= 40 km.	tona	2.05	40.00	82.0(
				material:	0.00	0.0(
				manopera:	0.00	0.00
				utilaj:	0.00	0.0(
				transport:	40.00	82.0(
2.3	TRB01B11	Transportul materialelor cu roaba pe pneuri inc aruncare desc aruncare grupa...1-3 distanta 10m	tona	0.50	22.49	11.25
				material:	0.00	0.00
				manopera:	22.49	11.2(
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.4	TSD02C1	Imprastierea pamantului afanat provenit din teren categoria 1 sau 2,executata cu buldozer pe tractor cu senile de 65-80 CP,in straturi cu grosimea de:...31-50 cm	100 mc	0.05	188.00	10.1(
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	188.00	10.1(
				transport:	0.00	0.00
2.5	TSD06A1	Compactarea cu placa vibratoare a umpluturilor in straturi de 20-30 cm grosime,exclusiv udarea fiecarui strat in parte,umpluturile executandu-se din pamant necoeziv,compactat cu:...placa vibratoare de 0.7 t	100 mc	0.05	286.39	15.47
				material:	0.00	0.00
				manopera:	139.39	7.53
				utilaj:	147.00	7.94
				transport:	0.00	0.00
3	INSTALATII					
3.1	ACA12A(+asim)	Montarea in pamant a tevilor din polietilena de presiune, de inalta densitatae, densitate alimentarilor cu apa, asamblate prin metoda de sudare manuala, cu manson de polietilena, cu flanse, conform normativului I-6-PE, avand diametrul de: 20-25mm	m	5.00	9.80	48.99
				material:	2.66	13.31
				manopera:	6.34	31.68
				utilaj:	0.80	4.00
				transport:	0.00	0.00
3.1.L	6701122	Teava HDPE 80 312uni7611.7615 pn6 DN 25x1.6 cod 64000085	m	5.10	2.15	10.97
3.2	W2H05A-1% (asim)	Montat banda avertizoare	m	5.10	1.83	9.35
				material:	0.57	2.89
				manopera:	1.27	6.46
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.3	EB01A1 (asim)	Montat conductor insotitor din cupru	m	5.10	1.95	9.96
				material:	1.00	5.11
				manopera:	0.95	4.85
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.4	AcA62D+	Sudura prin electrofuziune sa/teu bransament electrosudabil cu/fara colier din PEHD - VALROM...D = 90-160 mm	buc	1.00	17.01	17.01
				material:	0.00	0.00
				manopera:	15.21	15.21
				utilaj:	1.80	1.80
				transport:	0.00	0.00
3.5	17000319970	Teu bransament cu colier d=110x25	buc	1.00	173.35	173.35
				material:	173.35	173.35
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: BRANSAMENT APA CU REDUCTOR (De 110 mm)_(4 buc.)

0	1		2	3	4	5 = 3 x 4
OBIECTUL:	**EXTINDERE RETEA APA SI BRANSAMENTE SAT METES**					
	STADIUL FIZIC:	**BRANSAMENT APA CU REDUCTOR (De 110 mm)_(4 buc.)**				
3.6	**AcA54A+ (ASIM)**	Sudura cap la cap fiting din PEHD PE100 SDR 17 cu 2 imbinari D = 20 - 50 mm	**buc**	**3.00**	**138.72**	**416.15**
				material:	0.00	0.00
				manopera:	36.12	108.35
				utilaj:	102.60	307.80
				transport:	0.00	0.00
3.7	**20010127**	Mufa electrosudabila pehd dn=25mm	**buc**	**2.00**	**14.80**	**29.60**
				material:	14.80	29.60
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.8	**11804882**	Racord FI 25 x 3/4	**buc**	**1.00**	**15.05**	**15.05**
				material:	15.05	15.05
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.9	**AcA65B+**	Imbinare fiting de compresiune din PEHD - VALROM cu 2 imbinari (racord/cot tip FE sau FI)...D = 25-32 x ¾"	**buc**	**2.00**	**4.56**	**9.12**
				material:	0.12	0.25
				manopera:	4.44	8.87
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.9.L	20020489	Racord <waterkit> compres.d. 25x3/4 fi	buc	2.00	15.05	30.10
3.10	**IC34C1**	Fitinguri din fonta maleabila pentru imbin. insurub. tevi. otel piesele fiind cu 2 insurub. pentru d=3/4 toli	**buc**	**4.00**	**7.13**	**28.52**
				material:	0.16	0.64
				manopera:	6.97	27.88
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.11	**4123164**	Niplu normal zincat DN 3/4 cod 45028003	**buc**	**2.00**	**3.95**	**7.90**
				material:	3.95	7.90
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.12	**4113845**	Reductie zincata fi-fe DN 3/4x1/2 cod 45024103	**buc**	**2.00**	**3.50**	**7.00**
				material:	3.50	7.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.13	**IC34B1**	Fitinguri din fonta maleabila pentru imbin. insurub. tevi. otel piesele fiind cu 2 insurub. pentru d=1/2 toli	**buc**	**2.00**	**5.19**	**10.38**
				material:	0.12	0.24
				manopera:	5.07	10.14
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.14	**4123114**	Niplu normal zincat DN 1/2 cod 45028002	**buc**	**2.00**	**3.05**	**6.10**
				material:	3.05	6.10
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.15	**SD10B1**	Robinet...trecere din am,pentru tevi plumb cu d=3/4 ,roata manevra bachelita,simbol a 83-3/4	**buc**	**2.00**	**82.10**	**164.19**
				material:	59.92	119.84
				manopera:	22.18	44.35
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.15.	4204427	Robinet de trecere cu sfera pentru apa, tip fi - fi cu D = 3/4"	buc	2.00	20.95	41.90

STADIUL FIZIC: BRANSAMENT APA CU REDUCTOR (De 110 mm)_(4 buc.)

0	1	2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES					
STADIUL FIZIC: BRANSAMENT APA CU REDUCTOR (De 110 mm)_(4 buc.)					
3.16	**ACE12A1 (asim)** Montare reductor de presiune avand d 1/2"	**buc**	**2.00**	**42.81**	**85.62**
			material:	6.38	12.76
			manopera:	36.43	72.86
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.17	**4625586** Reductor de presiune 1/2	**buc**	**1.00**	**183.15**	**183.15**
			material:	183.15	183.15
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.18	**2806230** Filtru de apa pentru impuritati y 1/2	**buc**	**1.00**	**13.20**	**13.20**
			material:	13.20	13.20
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.19	**ACE12A1** Montare contor de apa cu palete avand d 15 mm	**buc**	**1.00**	**42.81**	**42.81**
			material:	6.38	6.38
			manopera:	36.43	36.43
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.20	**20032489** APOMETRU DN15	**buc**	**1.00**	**222.20**	**222.20**
			material:	222.20	222.20
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.21	**AcD101A03+ (asim1)** Camine prefabricate din beton pentru apa, avand:d=80cm, H=130 cm, g=12cm, pentru imbinare cu garnitura	**buc**	**1.00**	**674.46**	**674.46**
			material:	645.00	645.00
			manopera:	29.46	29.46
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.22	**ACD01J1** Capac si rama STAS 2308-81 pentru camine cu piesa suport carosabil tip III a	**buc**	**1.00**	**882.14**	**882.14**
			material:	812.44	812.44
			manopera:	69.70	69.70
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.23	**ACE07A1** Spalarea si desinfectarea conductelor de alimentare cu apa avand dn 50	**100 m**	**0.05**	**53.90**	**2.69**
			material:	4.16	0.21
			manopera:	49.74	2.49
			utilaj:	0.00	0.00
			transport:	0.00	0.00

	procent	material	manopera	utilaj	transport	total
Total Cheltuieli directe:		**2,455.73**	**770.67**	**473.62**	**244.00**	**3,944.02**
Recapitulatia:	Recap 2019: CAM 2,25					
Contributie asiguratorie pentru munca (CAM)	2.2500 %	0.00	17.34	0.00	0.00	17.34
Total Inclusiv Cheltuieli directe:		**2,455.73**	**788.01**	**473.62**	**244.00**	**3,961.36**
Cheltuieli indirecte	8.0000 %	196.46	63.04	37.89	19.52	316.91
Total Inclusiv Cheltuieli indirecte:		**2,652.19**	**851.05**	**511.51**	**263.52**	**4,278.27**
Profit	5.0000 %	132.61	42.55	25.58	13.18	213.91
Total Inclusiv Beneficiu:		**2,784.80**	**893.60**	**537.08**	**276.70**	**4,492.18**

OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES

STADIUL FIZIC: CONSTRUCTII CAMIN DIN BOLTARI (5 buc.) _ (1.0 x 1.0 x 1.8)

STADIUL FIZIC: CONSTRUCTII CAMIN DIN BOLTARI (5 buc.) _ (1.0 x 1.0 x 1.8)

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES						
	STADIUL FIZIC: CONSTRUCTII CAMIN DIN BOLTARI (5 buc.) _ (1.0 x 1.0 x 1.8)					
1	TSC03G1	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in autovehicule teren catg 3	100 mc	**0.12**	**1,040.00**	**124.80**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	1,040.00	124.80
				transport:	0.00	0.00
2	TSA01D2	Sapatura manuala de pamant in spatii inchise la deblee,in canale deschise,in gropi de imprumut la indepartarea stratului vegetal de 10-30 cm grosime etc....in pamant imbibat cu apa aruncarea in depozit sau vehicul la H<0.6 m teren foarte tare	mc	**1.50**	**109.30**	**163.94**
				material:	0.00	0.00
				manopera:	109.30	163.94
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3	TRA01A05P	Transportul rutier al...pamantului sau molozului cu autobasculanta dist.= 5 km	tona	**24.30**	**10.00**	**243.01**
				material:	0.00	0.00
				manopera:	0.00	0.01
				utilaj:	0.00	0.00
				transport:	10.00	243.00
4	CA02C1	Turnarea betonului armat in elementele constructiilor, exclusiv cele executate in cofraje glisante în fundatii continue, radiere si pereti cu grosime până la 30 cm inclusiv;	mc	**0.29**	**123.85**	**35.79**
				material:	0.40	0.12
				manopera:	115.95	33.51
				utilaj:	7.50	2.17
				transport:	0.00	0.00
4.L	2100945	BETON DE CIMENT B 150 STAS 3622	MC	0.29	300.00	87.39
5	CA02C1	Turnarea betonului armat in elementele constructiilor, exclusiv cele executate in cofraje glisante în fundatii continue, radiere si pereti cu grosime până la 30 cm inclusiv;	mc	**2.60**	**123.85**	**322.01**
				material:	0.40	1.05
				manopera:	115.95	301.47
				utilaj:	7.50	19.50
				transport:	0.00	0.00
5.L	2100969	BETON DE CIMENT B 250 STAS 3622	MC	2.62	340.00	891.07
6	TRA06A40	Transportul rutier al betonului-mortarului cu autobetoniera de...5,5 mc dist.=40 km	tona	**7.00**	**48.00**	**336.00**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	48.00	336.00
7	CD06A1 (asim)	Zidarie din boltari de fundatie 500x250x200 mm	mc	**2.00**	**416.64**	**833.27**
				material:	253.80	507.60
				manopera:	162.84	325.67
				utilaj:	0.00	0.00
				transport:	0.00	0.00
7.L	2101183	MORTAR DE ZIDARIE M 100 S 1030	MC	0.20	260.00	52.00
8	CZ0302K1	Confectionarea armaturilor din otel beton pentru beton armat în elemente de constructii turnate în cofraje, exclusiv cele executate în cofraje glisante fasonarea barelor pentru pereti, grinzi, stâlpi si diafragme la constructii obisnuite, în ateliere de santier, PC 52 D = 10 - 16 m	kg	**168.00**	**9.99**	**1,678.38**
				material:	9.14	1,534.68
				manopera:	0.86	143.70
				utilaj:	0.00	0.00
				transport:	0.00	0.00
9	CC02B1	Montarea armaturilor din otel-beton în elemente de constructii, exclusiv cele din constructiile executate în cofraje glisante la constructii executate la o înaltime până la 35 m inclusiv, din bare fasonate având diametrul de 10 si 12 mm, în pereti si diafragme cu distantier din plastic	kg	**168.00**	**1.54**	**258.53**
				material:	0.24	40.32
				manopera:	1.30	218.21
				utilaj:	0.00	0.00
				transport:	0.00	0.00
9.L	6433376	Armatura in prefabr.beton OB 37 D = 6-10mm barem	kg	168.00	9.00	1,512.00
9.L	6433780	Armatura in prefabr beton pc 52 peste 10 mm barem	kg	168.00	9.00	1,512.00

STADIUL FIZIC: CONSTRUCTII CAMIN DIN BOLTARI (5 buc.) _ (1.0 x 1.0 x 1.8)

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES						
	STADIUL FIZIC: CONSTRUCTII CAMIN DIN BOLTARI (5 buc.) _ (1.0 x 1.0 x 1.8)					
10	**CL21A1**	Confectii metalice diverse înglobate total sau partial in beton din profile laminate, tabla, tabla striata, otel beton, tevi pentru sustineri sau acoperiri	**kg**	**5.00**	**4.12**	**20.5**
				material:	0.00	0.00
				manopera:	4.12	20.5
				utilaj:	0.00	0.0
				transport:	0.00	0.00
10.L	6309886	CONFECTII METALICE INGLOBATE INBETON	KG	5.00	9.00	45.0
11	**IZF05B1**	Strat hidroizolant executat la cald la cuve, rezervoare, bazine, subsoluri, radiere, canale, camine de vizitare, sau alte lucrari asemanatoare, construite pe terenuri cu ape freatice, executate cu carton bitumat tip * si mastic de bitum tip H 80/90, la pereti drepti	**mp**	**13.00**	**18.92**	**245.91**
				material:	12.46	162.0
				manopera:	5.70	74.1
				utilaj:	0.75	9.75
				transport:	0.00	0.00
11.L	2601204	@MEMBRANA HIDROIZOL PE POLIESTERDERBIGUM SP 4 MM	MP	14.69	10.00	146.90
12	**ACD01J1**	Capac si rama STAS 2308-81 pentru camine cu piesa suport carosabil tip III a	**buc**	**1.00**	**1,215.39**	**1,215.3**
				material:	1,145.70	1,145.7
				manopera:	69.70	69.70
				utilaj:	0.00	0.0
				transport:	0.00	0.0
13	**TRA02A40**	Transportul rutier al materialelor,semifabricatelor cu autocamionul pe dist.= ...40 km.	**tona**	**1.90**	**40.00**	**76.00**
				material:	0.00	0.0
				manopera:	0.00	0.0
				utilaj:	0.00	0.00
				transport:	40.00	76.0
14	**TSA24C1**	Epuizarea mecanica a apelor din sapaturi,in teren cu infiltratii puternice de apa,executate cu:...motopompa de apa de joasa presiune montata pe tractor U650,debit 200-500 Mc/h	**ora**	**1.00**	**132.00**	**132.0**
				material:	0.00	0.00
				manopera:	0.00	0.0
				utilaj:	132.00	132.0
				transport:	0.00	0.00
15	**DA06A1**	Strat de agregate naturale cilindrate (balast), avand functia de rezidenta filtranta, izolatoare, antigeliva si anticapilara, cu asternere manuala;	**mc**	**8.77**	**110.02**	**964.87**
				material:	63.86	560.0
				manopera:	36.75	322.29
				utilaj:	9.41	82.53
				transport:	0.00	0.00
16	**TRA01A40**	Transportul rutier al...materialelor,semifabricatelor cu autobasculanta pe dist.= 40 km.	**tona**	**16.00**	**40.00**	**640.00**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	40.00	640.00

	procent	material	manopera	utilaj	transport	total
Total Cheltuieli directe:		**8,197.92**	**1,673.22**	**370.74**	**1,295.00**	**11,536.88**
Recapitulatia:	Recap 2019: CAM 2,25					
Contributie asiguratorie pentru munca (CAM)	2.2500 %	0.00	37.65	0.00	0.00	37.65
Total Inclusiv Cheltuieli directe:		**8,197.92**	**1,710.86**	**370.74**	**1,295.00**	**11,574.53**
Cheltuieli indirecte	8.0000 %	655.83	136.87	29.66	103.60	925.96
Total Inclusiv Cheltuieli indirecte:		**8,853.75**	**1,847.73**	**400.40**	**1,398.60**	**12,500.49**
Profit	5.0000 %	442.69	92.39	20.02	69.93	625.02
Total Inclusiv Beneficiu:		**9,296.44**	**1,940.12**	**420.42**	**1,468.53**	**13,125.51**

OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES

STADIUL FIZIC: CONSTRUCTII CAMIN DIN BOLTARI (12 buc.)_ (1.0 x 1.5 x 1.8)

STADIUL FIZIC: CONSTRUCTII CAMIN DIN BOLTARI (12 buc.)_ (1.0 x 1.5 x 1.8)

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES						
	STADIUL FIZIC: CONSTRUCTII CAMIN DIN BOLTARI (12 buc.)_ (1.0 x 1.5 x 1.8)					
1	**TSC03G1**	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in autovehicule teren catg 3	**100 mc**	**0.14**	**1,040.00**	**145.60**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	1,040.00	145.60
				transport:	0.00	0.00
2	**TSA01D2**	Sapatura manuala de pamant in spatii inchise la deblee,in canale deschise,in gropi de imprumut la indepartarea stratului vegetal de 10-30 cm grosime etc....in pamant imbibat cu apa aruncarea in depozit sau vehicul la H<0.6 m teren foarte tare	**mc**	**1.75**	**109.30**	**191.27**
				material:	0.00	0.00
				manopera:	109.30	191.27
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3	**TRA01A05P**	Transportul rutier al...pamantului sau molozului cu autobasculanta dist.= 5 km	**tona**	**28.35**	**10.00**	**283.51**
				material:	0.00	0.00
				manopera:	0.00	0.01
				utilaj:	0.00	0.00
				transport:	10.00	283.50
4	**CA02C1**	Turnarea betonului armat in elementele constructiilor, exclusiv cele executate in cofraje glisante în fundatii continue, radiere si pereti cu grosime pâna la 30 cm inclusiv;	**mc**	**0.37**	**123.85**	**46.32**
				material:	0.40	0.15
				manopera:	115.95	43.36
				utilaj:	7.50	2.81
				transport:	0.00	0.00
4.L	2100945	BETON DE CIMENT B 150 STAS 3622	MC	0.38	300.00	113.10
5	**CA02C1**	Turnarea betonului armat in elementele constructiilor, exclusiv cele executate in cofraje glisante în fundatii continue, radiere si pereti cu grosime pâna la 30 cm inclusiv;	**mc**	**3.22**	**123.85**	**399.29**
				material:	0.40	1.30
				manopera:	115.95	373.82
				utilaj:	7.50	24.18
				transport:	0.00	0.00
5.L	2100969	BETON DE CIMENT B 250 STAS 3622	MC	3.25	340.00	1,104.93
6	**TRA06A40**	Transportul rutier al betonului-mortarului cu autobetoniera de...5,5 mc dist.=40 km	**tona**	**8.70**	**48.00**	**417.60**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	48.00	417.60
7	**CD06A1 (asim)**	Zidarie din boltari de fundatie 500x250x200 mm	**mc**	**2.40**	**416.64**	**999.93**
				material:	253.80	609.12
				manopera:	162.84	390.80
				utilaj:	0.00	0.00
				transport:	0.00	0.00
7.L	2101183	MORTAR DE ZIDARIE M 100 S 1030	MC	0.24	260.00	62.40
8	**CZ0302K1**	Confectionarea armaturilor din otel beton pentru beton armat în elemente de constructii turnate în cofraje, exclusiv cele executate în cofraje glisante fasonarea barelor pentru pereti, grinzi, stâlpi si diafragme la constructii obisnuite, în ateliere de santier, PC 52 D = 10 - 16 m	**kg**	**202.30**	**9.99**	**2,021.05**
				material:	9.14	1,848.01
				manopera:	0.86	173.04
				utilaj:	0.00	0.00
				transport:	0.00	0.00
9	**CC02B1**	Montarea armaturilor din otel-beton în elemente de constructii, exclusiv cele din constructiile executate în cofraje glisante la constructii executate la o înaltime pâna la 35 m inclusiv, din bare fasonate având diametrul de 10 si 12 mm, în pereti si diafragme cu distantier din plastic	**kg**	**202.30**	**1.54**	**311.32**
				material:	0.24	48.55
				manopera:	1.30	262.76
				utilaj:	0.00	0.00
				transport:	0.00	0.00
9.L	6433376	Armatura in prefabr.beton OB 37 D = 6-10mm barem	kg	202.30	9.00	1,820.70
9.L	6433780	Armatura in prefabr beton pc 52 peste 10 mm barem	kg	202.30	9.00	1,820.70

STADIUL FIZIC: CONSTRUCTII CAMIN DIN BOLTARI (12 buc.)_ (1.0 x 1.5 x 1.8)

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES						
STADIUL FIZIC: CONSTRUCTII CAMIN DIN BOLTARI (12 buc.)_ (1.0 x 1.5 x 1.8)						
10	**CL21A1**	Confectii metalice diverse înglobate total sau partial in beton din profile laminate, tabla, tabla striata, otel beton, tevi pentru sustineri sau acoperiri	**kg**	**5.00**	**4.12**	**20.5**
				material:	0.00	0.00
				manopera:	4.12	20.5
				utilaj:	0.00	0.0
				transport:	0.00	0.00
10.L	6309886	CONFECTII METALICE INGLOBATE INBETON	KG	5.00	9.00	45.0
11	**IZF05B1**	Strat hidroizolant executat la cald la cuve, rezervoare, bazine, subsoluri, radiere, canale, camine de vizitare, sau alte lucrari asemanatoare, construite pe terenuri cu ape freatice, executate cu carton bitumat tip * si mastic de bitum tip H 80/90, la pereti drepti	**mp**	**14.70**	**18.92**	**278.07**
				material:	12.46	183.2
				manopera:	5.70	83.8
				utilaj:	0.75	11.03
				transport:	0.00	0.00
11.L	2601204	@MEMBRANA HIDROIZOL PE POLIESTERDERBIGUM SP 4 MM	MP	16.61	10.00	166.11
12	**ACD01J1**	Capac si rama STAS 2308-81 pentru camine cu piesa suport carosabil tip III a	**buc**	**1.00**	**1,215.39**	**1,215.3**
				material:	1,145.70	1,145.7
				manopera:	69.70	69.70
				utilaj:	0.00	0.0
				transport:	0.00	0.0
13	**TRA02A40**	Transportul rutier al materialelor,semifabricatelor cu autocamionul pe dist.= ...40 km.	**tona**	**2.30**	**40.00**	**92.00**
				material:	0.00	0.0
				manopera:	0.00	0.0
				utilaj:	0.00	0.00
				transport:	40.00	92.0
14	**TSA24C1**	Epuizarea mecanica a apelor din sapaturi,in teren cu infiltratii puternice de apa,executate cu:...motopompa de apa de joasa presiune montata pe tractor U650,debit 200-500 Mc/h	**ora**	**1.00**	**132.00**	**132.0**
				material:	0.00	0.00
				manopera:	0.00	0.0
				utilaj:	132.00	132.0
				transport:	0.00	0.00
15	**DA06A1**	Strat de agregate naturale cilindrate (balast), avand functia de rezidenta filtranta, izolatoare, antigeliva si anticapilara, cu asternere manuala;	**mc**	**9.45**	**110.02**	**1,039.68**
				material:	63.86	603.4
				manopera:	36.75	347.28
				utilaj:	9.41	88.92
				transport:	0.00	0.0
16	**TRA01A40**	Transportul rutier al...materialelor,semifabricatelor cu autobasculanta pe dist.= 40 km.	**tona**	**17.01**	**40.00**	**680.40**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	40.00	680.40

	procent	material	manopera	utilaj	transport	total
Total Cheltuieli directe:		**9,572.47**	**1,956.46**	**404.53**	**1,473.50**	**13,406.96**
Recapitulatia:	Recap 2019: CAM 2,25					
Contributie asiguratorie pentru munca (CAM)	2.2500 %	0.00	44.02	0.00	0.00	44.02
Total Inclusiv Cheltuieli directe:		**9,572.47**	**2,000.48**	**404.53**	**1,473.50**	**13,450.98**
Cheltuieli indirecte	8.0000 %	765.80	160.04	32.36	117.88	1,076.08
Total Inclusiv Cheltuieli indirecte:		**10,338.27**	**2,160.52**	**436.90**	**1,591.38**	**14,527.06**
Profit	5.0000 %	516.91	108.03	21.84	79.57	726.35
Total Inclusiv Beneficiu:		**10,855.18**	**2,268.54**	**458.74**	**1,670.95**	**15,253.42**

OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES

STADIUL FIZIC: CONSTRUCTII CAMIN DIN BOLTARI_CW3 (1 buc.) (1.0 x 2.0 x 1.8)

STADIUL FIZIC: CONSTRUCTII CAMIN DIN BOLTARI_CW3 (1 buc.) (1.0 x 2.0 x 1.8)

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES						
	STADIUL FIZIC: CONSTRUCTII CAMIN DIN BOLTARI_CW3 (1 buc.) (1.0 x 2.0 x 1.8)					
1	TSC03G1	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in autovehicule teren catg 3	100 mc	0.15	1,040.00	156.00
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	1,040.00	156.00
				transport:	0.00	0.00
2	TSA01D2	Sapatura manuala de pamant in spatii inchise la deblee,in canale deschise,in gropi de imprumut la indepartarea stratului vegetal de 10-30 cm grosime etc....in pamant imbibat cu apa aruncarea in depozit sau vehicul la H<0.6 m teren foarte tare	mc	1.84	109.30	201.10
				material:	0.00	0.00
				manopera:	109.30	201.10
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3	TRA01A05P	Transportul rutier al...pamantului sau molozului cu autobasculanta dist.= 5 km	tona	30.31	10.00	303.11
				material:	0.00	0.00
				manopera:	0.00	0.01
				utilaj:	0.00	0.00
				transport:	10.00	303.10
4	CA02C1	Turnarea betonului armat in elementele constructiilor, exclusiv cele executate in cofraje glisante în fundatii continue, radiere si pereti cu grosime pâna la 30 cm inclusiv;	mc	0.92	123.85	113.94
				material:	0.40	0.37
				manopera:	115.95	106.67
				utilaj:	7.50	6.90
				transport:	0.00	0.00
4.L	11540336	Beton C32/40 (Bc 40) B500 , beton cu aditivi lucrabilitate T3(8+/-2)	mc	0.93	375.00	347.76
5	CA02C1	Turnarea betonului armat in elementele constructiilor, exclusiv cele executate in cofraje glisante în fundatii continue, radiere si pereti cu grosime pâna la 30 cm inclusiv;	mc	0.23	123.85	28.49
				material:	0.40	0.09
				manopera:	115.95	26.67
				utilaj:	7.50	1.73
				transport:	0.00	0.00
5.L	2100945	BETON DE CIMENT B 150 STAS 3622	MC	0.05	300.00	16.01
6	CA02C1	Turnarea betonului armat in elementele constructiilor, exclusiv cele executate in cofraje glisante în fundatii continue, radiere si pereti cu grosime pâna la 30 cm inclusiv;	mc	4.34	123.85	537.51
				material:	0.40	1.74
				manopera:	115.95	503.22
				utilaj:	7.50	32.55
				transport:	0.00	0.00
6.L	2100969	BETON DE CIMENT B 250 STAS 3622	MC	4.34	340.00	1,475.60
7	TRA06A40	Transportul rutier al betonului-mortarului cu autobetoniera de...5,5 mc dist.=40 km	tona	11.51	48.00	552.48
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	48.00	552.48
8	CD06A1 (asim)	Zidarie din boltari de fundatie 500x250x200 mm	mc	2.80	542.64	1,519.38
				material:	379.80	1,063.45
				manopera:	162.84	455.94
				utilaj:	0.00	0.00
				transport:	0.00	0.00
8.L	2101183	MORTAR DE ZIDARIE M 100 S 1030	MC	0.78	260.00	203.84
9	CZ0302K1	Confectionarea armaturilor din otel beton pentru beton armat în elemente de constructii turnate în cofraje, exclusiv cele executate în cofraje glisante fasonarea barelor pentru pereti, grinzi, stâlpi si diafragme la constructii obisnuite, în ateliere de santier, PC 52 D = 10 - 16 m	kg	237.69	9.99	2,374.61
				material:	9.14	2,171.30
				manopera:	0.86	203.31
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: CONSTRUCTII CAMIN DIN BOLTARI_CW3 (1 buc.) (1.0 x 2.0 x 1.8)

0	1		2	3	4	5 = 3 x 4
OBIECTUL:	**EXTINDERE RETEA APA SI BRANSAMENTE SAT METES**					
	STADIUL FIZIC:	**CONSTRUCTII CAMIN DIN BOLTARI_CW3 (1 buc.) (1.0 x 2.0 x 1.8)**				
10	**CL21A1**	Confectii metalice diverse înglobate total sau partial in beton din profile laminate, tabla, tabla striata, otel beton, tevi pentru sustineri sau acoperiri	**kg**	**5.00**	**4.62**	**23.09**
				material:	0.50	2.50
				manopera:	4.12	20.59
				utilaj:	0.00	0.00
				transport:	0.00	0.00
10.L	6309886	CONFECTII METALICE INGLOBATE INBETON	KG	5.00	9.00	45.00
11	**IZF05B1**	Strat hidroizolant executat la cald la cuve, rezervoare, bazine, subsoluri, radiere, canale, camine de vizitare, sau alte lucrari asemanatoare, construite pe terenuri cu ape freatice, executate cu carton bitumat tip * si mastic de bitum tip H 80/90, la pereti drepti	**mp**	**14.70**	**24.44**	**359.33**
				material:	17.99	264.48
				manopera:	5.70	83.83
				utilaj:	0.75	11.03
				transport:	0.00	0.00
11.L	2601204	@MEMBRANA HIDROIZOL PE POLIESTERDERBIGUM SP 4 MM	MP	239.17	15.00	3,587.54
12	**ACD01J1**	Capac si rama STAS 2308-81 pentru camine cu piesa suport carosabil tip III a	**buc**	**1.00**	**1,655.60**	**1,655.60**
				material:	1,585.90	1,585.90
				manopera:	69.70	69.70
				utilaj:	0.00	0.00
				transport:	0.00	0.00
13	**TRA02A40**	Transportul rutier al materialelor,semifabricatelor cu autocamionul pe dist.= ...40 km.	**tona**	**2.30**	**40.00**	**92.00**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	40.00	92.00
14	**TSA24B1**	Epuizarea mecanica a apelor din sapaturi,in teren cu infiltratii puternice de apa,executate cu:...electropompa de apa de 8.1-14 Kw,monoetajata,de joasa presiune	**ora**	**1.00**	**50.00**	**50.00**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	50.00	50.00
				transport:	0.00	0.00
15	**DA06A1**	Strat de agregate naturale cilindrate (balast), avand functia de rezidenta filtranta, izolatoare, antigeliva si anticapilara, cu asternere manuala;	**mc**	**9.81**	**110.02**	**1,079.29**
				material:	63.86	626.47
				manopera:	36.75	360.51
				utilaj:	9.41	92.31
				transport:	0.00	0.00
16	**TRA02A40**	Transportul rutier al materialelor,semifabricatelor cu autocamionul pe dist.= ...40 km.	**tona**	**17.01**	**40.00**	**680.40**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	40.00	680.40

	procent	material	manopera	utilaj	transport	total
Total Cheltuieli directe:		**11,392.05**	**2,031.54**	**350.51**	**1,627.98**	**15,402.09**
Recapitulatia:	Recap 2019: CAM 2,25					
Contributie asiguratorie pentru munca (CAM)	2.2500 %	0.00	45.71	0.00	0.00	45.71
Total Inclusiv Cheltuieli directe:		**11,392.05**	**2,077.25**	**350.51**	**1,627.98**	**15,447.80**
Cheltuieli indirecte	8.0000 %	911.36	166.18	28.04	130.24	1,235.82
Total Inclusiv Cheltuieli indirecte:		**12,303.42**	**2,243.43**	**378.55**	**1,758.22**	**16,683.62**
Profit	5.0000 %	615.17	112.17	18.93	87.91	834.18
Total Inclusiv Beneficiu:		**12,918.59**	**2,355.60**	**397.48**	**1,846.13**	**17,517.80**

OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES PE DN74

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA

1 TERASAMENTE

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES PE DN74						
	STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA					
1.1	TSC03C1	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in depozit teren catg 3	100 mc	4.84	940.00	4,549.60
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	940.00	4,549.60
				transport:	0.00	0.00
1.2	TSC03G1	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in autovehicule teren catg 3	100 mc	1.76	1,040.00	1,830.40
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	1,040.00	1,830.40
				transport:	0.00	0.00
1.3	TSB20A1	Sapatura in stanca cu ciocanul de abataj pneumatic,la rigole cu sectiunea triunghiulara,avand adancimea de pana la 0.35 m...roca semidura	mc	19.60	294.02	5,762.82
				material:	0.00	0.00
				manopera:	154.28	3,023.92
				utilaj:	139.74	2,738.90
				transport:	0.00	0.00
1.4	TSC35A1	Excavat,transport,cu incarcator frontal,la distante de :...incarcare in autovehicul cu incarcator frontal pe senile de 0.5-0.99 mc,pamant din teren categoria 1 la distanta < 10 m	100 mc	0.20	618.80	121.28
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	618.80	121.28
				transport:	0.00	0.00
1.5	TSA04G1	Sapatura manuala de pamant in spatii limitate,avand sub 1 m latime si maximum 4.50 m adancime,executata cu sprijiniri,cu evacuare manuala,la fundatii,canale,drumuri etc...in pamant cu umiditate naturala adancimea sapaturii 1,5-3 teren foarte tare	mc	36.00	173.97	6,262.86
				material:	1.63	58.64
				manopera:	172.34	6,204.21
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.6	TRA01A05P	Transportul rutier al...pamantului sau molozului cu autobasculanta dist.= 5 km	tona	352.80	10.00	3,528.11
				material:	0.00	0.00
				manopera:	0.00	0.11
				utilaj:	0.00	0.00
				transport:	10.00	3,528.00
1.7	TSF01C1	Sprijiniri de maluri,cu dulapi de fag asezati orizontal,la sapaturi executate in spatii limitate,avand latimea de pana la 1.50 m intre maluri...adancimea sapaturii de 2.01-4 m,intre dulapi 0.21-20 m	mp	306.00	22.03	6,741.61
				material:	3.66	1,119.04
				manopera:	18.37	5,622.57
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.8	TSA24A1	Epuizarea mecanica a apelor din sapaturi,in teren cu infiltratii puternice de apa,executate cu:...motopompa de apa 6.6-12 Kw (9-16 CP)	ora	12.00	72.00	864.00
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	72.00	864.00
				transport:	0.00	0.00
1.9	ACE06A1	Sustineri din lemn pentru cabluri si conducte intilnite in sapatura : grele	m	55.00	57.93	3,186.00
				material:	32.90	1,809.50
				manopera:	25.03	1,376.50
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.10	ACE16A1	Montarea parapetelor si podetelor metalice de inventar la santuri pentru conducte	m	12.00	5.07	60.82
				material:	0.00	0.00
				manopera:	5.07	60.82
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA

0	1	2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES PE DN74					
STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA					
1.11	CQ16B#-2	Foraj rotativ cu circulatie directa de noroi bentonitic pentru consolidari si etansari de terenuri cu diametrul de la 130 la 200 mm, netubat, exclusiv prepararea si recircularea noroiului:...teren categoria II	m	**40.00**	**476.12**	**19,044.8**
				material:	39.20	1,567.90
				manopera:	58.92	2,356.9
				utilaj:	378.00	15,120.0
				transport:	0.00	0.00
1.12	20014127	Teava PE 100 SDR11 PN16 D=200x18.20mm	m	**40.00**	**141.55**	**5,662.0**
				material:	141.55	5,662.0
				manopera:	0.00	0.00
				utilaj:	0.00	0.0
				transport:	0.00	0.0
2	**REFACERI**					
2.1	DA06A2	Strat de agregate naturale cilindrate (nisip), avand functia de rezidenta filtranta, izolatoare, antigeliva si anticapilara, cu asternere manuala;	mc	**196.00**	**128.50**	**25,186.8**
				material:	82.35	16,139.7
				manopera:	36.75	7,202.76
				utilaj:	9.41	1,844.3
				transport:	0.00	0.0
2.2	TRA01A40	Transportul rutier al...materialelor,semifabricatelor cu autobasculanta pe dist.= 40 km.	tona	**352.80**	**40.00**	**14,112.00**
				material:	0.00	0.0
				manopera:	0.00	0.0
				utilaj:	0.00	0.00
				transport:	40.00	14,112.00
2.3	TRB01B11	Transportul materialelor cu roaba pe pneuri inc aruncare desc aruncare grupa...1-3 distanta 10m	tona	**88.00**	**22.49**	**1,979.34**
				material:	0.00	0.00
				manopera:	22.49	1,979.34
				utilaj:	0.00	0.0
				transport:	0.00	0.0
2.4	TSD02C1	Imprastierea pamantului afanat provenit din teren categoria 1 sau 2,executata cu buldozer pe tractor cu senile de 65-80 CP,in straturi cu grosimea de:...31-50 cm	100 mc	**5.20**	**188.00**	**977.60**
				material:	0.00	0.0
				manopera:	0.00	0.00
				utilaj:	188.00	977.60
				transport:	0.00	0.0
2.5	TSD06A1	Compactarea cu placa vibratoare a umpluturilor in straturi de 20-30 cm grosime,exclusiv udarea fiecarui strat in parte,umpluturile executandu-se din pamant necoeziv,compactat cu:...placa vibratoare de 0.7 t	100 mc	**5.20**	**286.39**	**1,489.24**
				material:	0.00	0.00
				manopera:	139.39	724.84
				utilaj:	147.00	764.40
				transport:	0.00	0.00
3	**INSTALATII**					
3.1	RPAB13G1	Manevrarea (inchidere-deschidere) vane pentru izolare zone retea...manual in camin vana d= 50-200 mm	buc	**2.00**	**12.20**	**24.39**
				material:	0.00	0.00
				manopera:	12.20	24.39
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.2	RPAC18A1	Taierea in sant cu flacara oxiacetilenica a tevilor din otel avand diam....200 mm	buc	**4.00**	**22.98**	**91.93**
				material:	3.34	13.36
				manopera:	19.64	78.57
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.3	ACB08C1 (ASIM)	Montarea in pamant a tevilor din polietilena de presiune, de inalta densitatae, densitate alimentarilor cu apa, asamblate prin sudura, avand diametrul de 90-110mm	m	**680.00**	**8.19**	**5,567.84**
				material:	2.52	1,713.60
				manopera:	3.17	2,154.24
				utilaj:	2.50	1,700.00
				transport:	0.00	0.00
3.3.L	6701129	Teava HDPE 80 312uni7611.7615 pn6 DN 110x6.2 cod 64000092	m	690.20	28.55	19,705.21

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES PE DN74						
STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA						
3.4	ACB08C1(ASIM)	Montarea in pamant a tevilor din polietilena de presiune, de inalta densitate, densitate alimentarilor cu apa, asamblate prin sudare, avand diametrul de 90-110mm	m	**2.00**	**10.29**	**20.58**
				material:	2.96	5.91
				manopera:	6.34	12.67
				utilaj:	1.00	2.00
				transport:	0.00	0.00
3.4.L	6701128	Teava HDPE 80 312uni7611.7615 pn6 DN 90x5.1 cod 64000091	m	2.03	19.00	38.57
3.5	W2H05A-1% (asim)	Montat banda avertizoare	m	**692.00**	**1.83**	**1,268.92**
				material:	0.57	392.02
				manopera:	1.27	876.90
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.6	EB01A1 (asim)	Montat conductor insotitor din cupru	m	**692.00**	**1.95**	**1,350.92**
				material:	1.00	693.25
				manopera:	0.95	657.68
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.7	AcE09D1 [1]	Sudura prin electrofuziune mufa/cot electrosudabil din PEHD D = 90-110mm	buc	**15.00**	**58.54**	**878.04**
				material:	3.66	54.86
				manopera:	27.88	418.18
				utilaj:	27.00	405.00
				transport:	0.00	0.00
3.7.L	20020228	Mufa electrosudabila <safekit> pehd d.110	buc	15.00	52.25	783.75
3.8	AcE09D1 [1]	Sudura prin electrofuziune mufa/cot electrosudabil din PEHD D = 90-110mm	buc	**1.00**	**64.14**	**64.14**
				material:	9.26	9.26
				manopera:	27.88	27.88
				utilaj:	27.00	27.00
				transport:	0.00	0.00
3.8.L	20020294	Dop electrosudabil d.110	buc	1.00	132.30	132.30
4	**HIDRANT**					
4.1	ACE01A1 (asim)	Hidrant subteran de incendiu avand d: 80 mm	buc	**1.00**	**2,601.63**	**2,601.63**
				material:	2,515.47	2,515.47
				manopera:	86.17	86.17
				utilaj:	0.00	0.00
				transport:	0.00	0.00
4.2	AcE09D1 [1]	Sudura prin electrofuziune mufa/cot electrosudabil din PEHD D = 90-110mm	buc	**2.00**	**58.54**	**117.07**
				material:	3.66	7.32
				manopera:	27.88	55.76
				utilaj:	27.00	54.00
				transport:	0.00	0.00
4.2.L	20020228	Mufa electrosudabila <safekit> pehd d.110	buc	2.00	52.25	104.50
4.3	AcE09D1 [1]	Sudura prin electrofuziune mufa/cot electrosudabil din PEHD D = 90-110mm	buc	**1.00**	**57.86**	**57.86**
				material:	2.99	2.99
				manopera:	27.88	27.88
				utilaj:	27.00	27.00
				transport:	0.00	0.00
4.3.L	20020227	Mufa electrosudabila <safekit> pehd d. 90	buc	1.00	42.65	42.65
4.4	AcE09D1 [ASIM2]	Sudura prin electrofuziune teu electrosudabil din PEHD D = 90-110mm	buc	**1.00**	**79.64**	**79.64**
				material:	11.26	11.26
				manopera:	27.88	27.88
				utilaj:	40.50	40.50
				transport:	0.00	0.00
4.4.L	6714910	Teu redus pe80 pentru sudura pn6 dn110x90 cod 66230009	buc	1.00	160.90	160.90

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES PE DN74						
	STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA					
4.5	AcE09D1 [ASIM 2]	Sudura prin electrofuziune capat flanse din PEHD D = 90-110mm	buc	**1.00**	**34.68**	**34.68**
				material:	2.74	2.74
				manopera:	13.94	13.94
				utilaj:	18.00	18.00
				transport:	0.00	0.00
4.5.L	20019546	Capat flansa apa/gaz pe100 d. 90 sdr17	buc	1.00	39.10	39.10
4.6	ACB10C1	Flansa din otel rotunda montata prin sudura electr. avand dn = 100	buc	**1.00**	**56.32**	**56.32**
				material:	8.32	8.32
				manopera:	28.20	28.20
				utilaj:	19.80	19.80
				transport:	0.00	0.00
4.6.L	4427221	Flansa plata libera otel pentru pehd DN 90 cod 66402007	buc	1.00	62.10	62.10
4.7	ACB05B1	Imbinare cu flanse piese leg. flanse armaturi si contoare cu dn 80 mm si pn 2,5;6 at.	buc	**2.00**	**28.19**	**56.38**
				material:	0.00	0.00
				manopera:	28.19	56.38
				utilaj:	0.00	0.00
				transport:	0.00	0.00
4.7.L	6607575	Garnitura de etansare ans plan pn6/2,5 D = 80 M 100-500 g2x4 s1733	buc	2.02	11.60	23.43
4.7.L	5801916	Surub cap hexagonal precis M 16 x 80 gr. 5.8 s4272	buc	8.00	15.35	122.80
4.7.L	5843146	Piulita hexagonala speciala s 4071 OL 37 M 16	buc	8.00	1.10	8.80
5	**PROBE**					
5.1	ACE07B1	Spalarea si desinfectarea conductelor de alimentare cu apa avand dn 80	100 m	**6.92**	**60.28**	**417.30**
				material:	10.55	73.00
				manopera:	49.74	344.30
				utilaj:	0.00	0.00
				transport:	0.00	0.00
5.2	ACB13C1	Inchidere capete conducta otel pentru proba presiune avand dn 100	buc	**2.00**	**267.94**	**535.88**
				material:	2.80	5.60
				manopera:	253.44	506.88
				utilaj:	11.70	23.40
				transport:	0.00	0.00
5.2.L	3110325	Teava pentru constructii fara sudura LC 114 x 8 / OLT 35 s 404/2	m	1.00	120.48	120.48

	procent	material	manopera	utilaj	transport	total
Total Cheltuieli directe:		**53,210.39**	**33,949.95**	**31,127.25**	**17,640.00**	**135,927.59**
Recapitulatia:	Recap 2019: CAM 2,25					
Contributie asiguratorie pentru munca (CAM)	2.2500 %	0.00	763.87	0.00	0.00	763.87
Total Inclusiv Cheltuieli directe:		**53,210.39**	**34,713.82**	**31,127.25**	**17,640.00**	**136,691.46**
Cheltuieli indirecte	8.0000 %	4,256.83	2,777.11	2,490.18	1,411.20	10,935.32
Total Inclusiv Cheltuieli indirecte:		**57,467.22**	**37,490.92**	**33,617.43**	**19,051.20**	**147,626.78**
Profit	5.0000 %	2,873.36	1,874.55	1,680.87	952.56	7,381.34
Total Inclusiv Beneficiu:		**60,340.58**	**39,365.47**	**35,298.30**	**20,003.76**	**155,008.12**

OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES PE DN74

STADIUL FIZIC: BRANSAMENT APA_(3 buc.)

1 TERASAMENTE

STADIUL FIZIC: BRANSAMENT APA_(3 buc.)

0	1	2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES PE DN74					
STADIUL FIZIC: BRANSAMENT APA_(3 buc.)					
1.1	TSC03C1	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in depozit teren catg 3	100 mc	0.04	940.00	37.60
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	940.00	37.60
				transport:	0.00	0.00
1.2	TSC03G1	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in autovehicule teren catg 3	100 mc	0.09	1,040.00	93.60
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	1,040.00	93.60
				transport:	0.00	0.00
1.3	TSA04G1	Sapatura manuala de pamant in spatii limitate,avand sub 1 m latime si maximum 4.50 m adancime,executata cu sprijiniri,cu evacuare manuala,la fundatii,canale,drumuri etc...in pamant cu umiditate naturala adancimea sapaturii 1,5-3 teren foarte tare	mc	1.40	173.97	243.56
				material:	1.63	2.28
				manopera:	172.34	241.27
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.4	TRA01A05P	Transportul rutier al...pamantului sau molozului cu autobasculanta dist.= 5 km	tona	16.20	10.00	162.01
				material:	0.00	0.00
				manopera:	0.00	0.01
				utilaj:	0.00	0.00
				transport:	10.00	162.00
2	REFACERI					
2.1	DA06A2	Strat de agregate naturale cilindrate (nisip), avand functia de rezidenta filtranta, izolatoare, antigeliva si anticapilara, cu asternere manuala;	mc	1.14	128.50	146.50
				material:	82.35	93.87
				manopera:	36.75	41.89
				utilaj:	9.41	10.73
				transport:	0.00	0.00
2.2	TRA01A40	Transportul rutier al...materialelor,semifabricatelor cu autobasculanta pe dist.= 40 km.	tona	2.05	40.00	82.00
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	40.00	82.00
2.3	TRB01B11	Transportul materialelor cu roaba pe pneuri inc aruncare desc aruncare grupa...1-3 distanta 10m	tona	0.50	22.49	11.25
				material:	0.00	0.00
				manopera:	22.49	11.25
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.4	TSD02C1	Imprastierea pamantului afanat provenit din teren categoria 1 sau 2,executata cu buldozer pe tractor cu senile de 65-80 CP,in straturi cu grosimea de:...31-50 cm	100 mc	0.05	188.00	10.15
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	188.00	10.15
				transport:	0.00	0.00
2.5	TSD06A1	Compactarea cu placa vibratoare a umpluturilor in straturi de 20-30 cm grosime,exclusiv udarea fiecarui strat in parte,umpluturile executandu-se din pamant necoeziv,compactat cu:...placa vibratoare de 0.7 t	100 mc	0.05	286.39	15.47
				material:	0.00	0.00
				manopera:	139.39	7.53
				utilaj:	147.00	7.94
				transport:	0.00	0.00
3	INSTALATII					
3.1	ACA12A(+asim)	Montarea in pamant a tevilor din polietilena de presiune, de inalta densitatae, densitate alimentarilor cu apa, asamblate prin metoda de sudare manuala, cu manson de polietilena, cu flanse, conform normativului I-6-PE, avand diametrul de: 20-25mm	m	5.00	9.80	48.99
				material:	2.66	13.31
				manopera:	6.34	31.68
				utilaj:	0.80	4.00
				transport:	0.00	0.00

STADIUL FIZIC: BRANSAMENT APA_(3 buc.)

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES PE DN74						
	STADIUL FIZIC: BRANSAMENT APA_(3 buc.)					
3.1.L	6701122	Teava HDPE 80 312uni7611.7615 pn6 DN 25x1.6 cod 64000085	m	5.10	2.15	10.9
3.2	**W2H05A-1% (asim)**	Montat banda avertizoare	**m**	**5.10**	**1.83**	**9.3**
				material:	0.57	2.8
				manopera:	1.27	6.46
				utilaj:	0.00	0.0
				transport:	0.00	0.0
3.3	**EB01A1 (asim)**	Montat conductor insotitor din cupru	**m**	**5.10**	**1.95**	**9.96**
				material:	1.00	5.1
				manopera:	0.95	4.8
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.4	**AcA62D+**	Sudura prin electrofuziune sa/teu bransament electrosudabil cu/fara colier din PEHD - VALROM...D = 90-160 mm	**buc**	**1.00**	**17.01**	**17.0**
				material:	0.00	0.0
				manopera:	15.21	15.21
				utilaj:	1.80	1.8
				transport:	0.00	0.0
3.5	**17000319970**	Teu bransament cu colier d=110x25	**buc**	**1.00**	**173.35**	**173.35**
				material:	173.35	173.3
				manopera:	0.00	0.0
				utilaj:	0.00	0.00
				transport:	0.00	0.0
3.6	**AcA54A+ (ASIM)**	Sudura cap la cap fiting din PEHD PE100 SDR 17 cu 2 imbinari D = 20 - 50 mm	**buc**	**3.00**	**138.72**	**416.1**
				material:	0.00	0.00
				manopera:	36.12	108.3
				utilaj:	102.60	307.8
				transport:	0.00	0.00
3.7	**20010127**	Mufa electrosudabila pehd dn=25mm	**buc**	**2.00**	**14.80**	**29.60**
				material:	14.80	29.60
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.8	**11804882**	Racord FI 25 x 3/4	**buc**	**1.00**	**15.05**	**15.05**
				material:	15.05	15.05
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.9	**AcA65B+**	Imbinare fiting de compresiune din PEHD - VALROM cu 2 imbinari (racord/cot tip FE sau FI)...D = 25-32 x ¾"	**buc**	**2.00**	**4.56**	**9.12**
				material:	0.12	0.25
				manopera:	4.44	8.87
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.9.L	20020489	Racord <waterkit> compres.d. 25x3/4 fi	buc	2.00	15.05	30.10
3.10	**IC34C1**	Fitinguri din fonta maleabila pentru imbin. insurub. tevi. otel piesele fiind cu 2 insurub. pentru d=3/4 toli	**buc**	**4.00**	**7.13**	**28.52**
				material:	0.16	0.64
				manopera:	6.97	27.88
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.11	**4123164**	Niplu normal zincat DN 3/4 cod 45028003	**buc**	**2.00**	**3.95**	**7.90**
				material:	3.95	7.90
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: BRANSAMENT APA_(3 buc.)

0	1	2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES PE DN74					
STADIUL FIZIC: BRANSAMENT APA_(3 buc.)					
3.12	4113845	Reductie zincata fi-fe DN 3/4x1/2 cod 45024103	buc	**2.00**	**3.50**	**7.00**
				material:	3.50	7.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.13	IC34B1	Fitinguri din fonta maleabila pentru imbin. insurub. tevi. otel piesele fiind cu 2 insurub. pentru d=1/2 toli	buc	**1.00**	**5.19**	**5.19**
				material:	0.12	0.12
				manopera:	5.07	5.07
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.14	4123114	Niplu normal zincat DN 1/2 cod 45028002	buc	**1.00**	**3.05**	**3.05**
				material:	3.05	3.05
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.15	IC34M1	Fitinguri din fonta maleabila pentru imbin. insurub. tevi. otel piesele fiind cu 3 insurub. pentru d=3/4 toli	buc	**1.00**	**13.55**	**13.55**
				material:	0.24	0.24
				manopera:	13.31	13.31
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.16	4114614	Teu redus zincat DN 3/4x1/2x3/4 cod 45r13008	buc	**1.00**	**5.65**	**5.65**
				material:	5.65	5.65
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.17	SD10B1	Robinet...trecere din am,pentru tevi plumb cu d=3/4 ,roata manevra bachelita,simbol a 83-3/4	buc	**2.00**	**82.10**	**164.19**
				material:	59.92	119.84
				manopera:	22.18	44.35
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.17.	4204427	Robinet de trecere cu sfera pentru apa, tip fi - fi cu D = 3/4"	buc	2.00	20.95	41.90
3.18	SD10A1	Robinet...de trecere din alama pentru tevi de plumb,cu diametrul d=3/8 sau d=1/2 toli	buc	**1.00**	**51.59**	**51.59**
				material:	33.53	33.53
				manopera:	18.06	18.06
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.18.	4204422	Robinet de trecere cu sfera pentru apa, tip fi - fi cu D = 1/2"	buc	1.00	12.00	12.00
3.19	ACE12A1	Montare contor de apa cu palete avand d 15 mm	buc	**1.00**	**42.81**	**42.81**
				material:	6.38	6.38
				manopera:	36.43	36.43
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.20	20032489	APOMETRU DN15	buc	**1.00**	**222.20**	**222.20**
				material:	222.20	222.20
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.21	AcD101A03+ (asim1)	Camine prefabricate din beton pentru apa, avand:d=80cm, H=130 cm, g=12cm, pentru imbinare cu garnitura	buc	**1.00**	**674.46**	**674.46**
				material:	645.00	645.00
				manopera:	29.46	29.46
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: BRANSAMENT APA_(3 buc.)

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES PE DN74						
STADIUL FIZIC: BRANSAMENT APA_(3 buc.)						
3.22	ACD01J1	Capac si rama STAS 2308-81 pentru camine cu piesa suport carosabil tip III a	buc	1.00	882.14	882.1
				material:	812.44	812.44
				manopera:	69.70	69.7
				utilaj:	0.00	0.0
				transport:	0.00	0.00
3.23	ACE07A1	Spalarea si desinfectarea conductelor de alimentare cu apa avand dn 50	100 m	0.05	53.90	2.6
				material:	4.16	0.2
				manopera:	49.74	2.49
				utilaj:	0.00	0.0
				transport:	0.00	0.0

	procent	material	manopera	utilaj	transport	total
Total Cheltuieli directe:		**2,294.87**	**724.10**	**473.62**	**244.00**	**3,736.59**
Recapitulatia:	Recap 2019: CAM 2,25					
Contributie asiguratorie pentru munca (CAM)	2.2500 %	0.00	16.29	0.00	0.00	16.29
Total Inclusiv Cheltuieli directe:		**2,294.87**	**740.39**	**473.62**	**244.00**	**3,752.8**
Cheltuieli indirecte	8.0000 %	183.59	59.23	37.89	19.52	300.23
Total Inclusiv Cheltuieli indirecte:		**2,478.46**	**799.62**	**511.51**	**263.52**	**4,053.1**
Profit	5.0000 %	123.92	39.98	25.58	13.18	202.6
Total Inclusiv Beneficiu:		**2,602.39**	**839.60**	**537.08**	**276.70**	**4,255.77**

OBIECTUL: STATIE DE POMPARE SAT TAUTI						
STADIUL FIZIC: FUNDATIE CONTAINER						
1	TSA01D2	Sapatura manuala de pamant in spatii inchise la deblee,in canale deschise,in gropi de imprumut la indepartarea stratului vegetal de 10-30 cm grosime etc....in pamant imbibat cu apa aruncarea in depozit sau vehicul la H<0.6 m teren foarte tare	mc	5.60	109.30	612.06
				material:	0.00	0.0
				manopera:	109.30	612.0
				utilaj:	0.00	0.00
				transport:	0.00	0.0
2	ACE08E1	Umplutura in sant la cond. de alim. cu apa si canalizare cu balast	mc	2.10	76.13	159.87
				material:	49.20	103.32
				manopera:	26.93	56.5
				utilaj:	0.00	0.00
				transport:	0.00	0.0
3	CA02C1	Turnarea betonului armat in elementele constructiilor, exclusiv cele executate in cofraje glisante în fundatii continue, radiere si pereti cu grosime pâna la 30 cm inclusiv;	mc	1.40	123.85	173.39
				material:	0.40	0.56
				manopera:	115.95	162.33
				utilaj:	7.50	10.50
				transport:	0.00	0.00
3.L	2100945	Beton de ciment B 150 stas 3622	mc	1.41	300.00	423.36
4	CZ0301K1	Confectionarea armaturilor din otel beton pentru beton armat în fundatii fasonarea barelor pentru fundatii izolate, (inclusiv fundatii pahar), continui si radiere, în ateliere de santier, PC 52, D = 10-16 mm;	kg	233.10	10.05	2,343.52
				material:	9.14	2,129.37
				manopera:	0.92	214.15
				utilaj:	0.00	0.00
				transport:	0.00	0.00
5	CC01C1	Montarea armaturilor din otel-beton in fundatii continue si radiere (placi), distantier din mase plastice	kg	233.10	0.77	179.51
				material:	0.14	31.82
				manopera:	0.63	147.69
				utilaj:	0.00	0.00
				transport:	0.00	0.00
6	CB01A1	Cofraje pentru beton in cuzineti, fundatii pahar si fundatii de utilaje simple cu forme regulate din panouri refolosibile cu astereala din scinduri de rasinoase, cu astereala din scânduri de rasinoase scurte si subscurte inclusiv sprijinirile	mp	3.75	42.39	158.98
				material:	5.33	19.98
				manopera:	37.07	139.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: FUNDATIE CONTAINER

0	1		2	3	4	5 = 3 x 4
OBIECTUL: STATIE DE POMPARE SAT TAUTI						
STADIUL FIZIC: FUNDATIE CONTAINER						
7	CA02C1	Turnarea betonului armat in elementele constructiilor, exclusiv cele executate in cofraje glisante în fundatii continue, radiere si pereti cu grosime pâna la 30 cm inclusiv;	mc	3.50	123.85	433.48
				material:	0.40	1.41
				manopera:	115.95	405.82
				utilaj:	7.50	26.25
				transport:	0.00	0.00
7.L	2100971	Beton de ciment B 300 stas 3622	mc	3.53	345.00	1,217.16
	TRA06A40	Transportul rutier al betonului-mortarului cu autobetoniera de...5,5 mc dist.=40 km	tona	11.86	48.00	569.28
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	48.00	569.28
	TRA01A40	Transportul rutier al...materialelor,semifabricatelor cu autobasculanta pe dist.= 40 km.	tona	3.78	40.00	151.20
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	40.00	151.20
10	TRA01A05P	Transportul rutier al...pamantului sau molozului cu autobasculanta dist.= 5 km	tona	10.08	10.00	100.80
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	10.00	100.80
	TRA02A40	Transportul rutier al materialelor,semifabricatelor cu autocamionul pe dist.= ...40 km.	tona	0.50	40.00	20.00
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	40.00	20.00
12	MDTA4624A1	Montarea...completa utilaj-65121003-macara pe pneuri de 0,15-0,199 mn(15-19,9tf)	buc	1.00	0.81	0.81
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.81	0.81
				transport:	0.00	0.00
13	MDTB4624A1	Demontarea...completa utilaj-65121003-macara pe pneuri de 0,15-0,199 mn(15-19,9tf)	buc	1.00	0.47	0.47
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.47	0.47
				transport:	0.00	0.00
14	MDTC4624010	Transport utilaj...10 km-65121003-macara pe pneuri de 0,15-0,199 mn(15-19,9tf)	buc	1.00	0.19	0.19
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.19	0.19
				transport:	0.00	0.00
15	MDTC4624025	Transport utilaj...25 km-65121003-macara pe pneuri de 0,15-0,199 mn(15-19,9tf)	buc	1.00	0.42	0.42
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.42	0.42
				transport:	0.00	0.00
16	AUT6754	Automacara 15- 19,9 tf cu brat cu zabrele	ora	5.00	250.00	1,250.00
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	250.00	1,250.00
				transport:	0.00	0.00
17	CL22A1	Piese metalice gata confectionate înglobate în beton la turnare, pentru trecerea conductelor prin peretii rezervoarelor izolate cu franghie gudronata	kg	50.00	7.01	350.69
				material:	2.26	113.09
				manopera:	4.75	237.60
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: FUNDATIE CONTAINER

0	1		2	3	4	5 = 3 x 4
OBIECTUL: STATIE DE POMPARE SAT TAUTI						
STADIUL FIZIC: FUNDATIE CONTAINER						
17.L	6311607	Piesa metal.de trecere etansa prin zid A conduct.	kg	50.00	6.13	306.5(

	procent	material	manopera	utilaj	transport	total
Total Cheltuieli directe:		**4,346.57**	**1,975.20**	**1,288.63**	**841.28**	**8,451.6**
Recapitulatia:	Recap 2019: CAM 2,25					
Contributie asiguratorie pentru munca (CAM)	2.2500 %	0.00	44.44	0.00	0.00	44.44
Total Inclusiv Cheltuieli directe:		**4,346.57**	**2,019.64**	**1,288.63**	**841.28**	**8,496.12**
Cheltuieli indirecte	8.0000 %	347.73	161.57	103.09	67.30	679.69
Total Inclusiv Cheltuieli indirecte:		**4,694.29**	**2,181.21**	**1,391.72**	**908.58**	**9,175.81**
Profit	5.0000 %	234.71	109.06	69.59	45.43	458.79
Total Inclusiv Beneficiu:		**4,929.01**	**2,290.27**	**1,461.31**	**954.01**	**9,634.60**

OBIECTUL: STATIE DE POMPARE SAT TAUTI

STADIUL FIZIC: MONTAJ UTILAJE

1	**M1B10A1**	Electropompe, pompe vid, centrifuge supercentrifuge livrate asamblate...0,2-0,5 t.	**tona**	**0.30**	**2,999.51**	**899.85**
				material:	219.71	65.91
				manopera:	2,494.80	748.44
				utilaj:	285.00	85.50
				transport:	0.00	0.00
2	**M7C04A1**	Forte de munca pentru proba de punere in funct a agregrotative cu el mot cu putere...p la 100 kw	**buc**	**1.00**	**1,606.18**	**1,606.18**
				material:	0.00	0.00
				manopera:	1,606.18	1,606.18
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3	**M7C06A1**	Energie electrica pentru...proba de punere in funct. a agreg. rotative cu motoare pina la 100 kw	**kw**	**50.00**	**3.58**	**179.20**
				material:	3.58	179.20
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
4	**M1G39A1**	Montare retelei de actionare pneumatic pe utilaje cu...racorduri de aliment. pina la 15 mm. 2 cilindri	**tona**	**0.20**	**5,770.33**	**1,154.07**
				material:	1,646.56	329.31
				manopera:	4,123.78	824.76
				utilaj:	0.00	0.00
				transport:	0.00	0.00
5	**ATE11A**	Teste si incercari: incerc si verific debitmetre diferentiale indicator	**buc**	**2.00**	**185.37**	**370.74**
				material:	0.00	0.00
				manopera:	148.90	297.79
				utilaj:	36.48	72.95
				transport:	0.00	0.00
6	**M1A01A1**	Recipiente metalice (rezervoare,vase,bazine) din otel carbon,asamblat,montate simpla...asezare< 1 t.	**tona**	**1.00**	**955.28**	**955.28**
				material:	180.86	180.86
				manopera:	774.42	774.42
				utilaj:	0.00	0.00
				transport:	0.00	0.00
7	**MDTA4624A1**	Montarea...completa utilaj-65121003-macara pe pneuri de 0,15-0,199 mn(15-19,9tf)	**buc**	**1.00**	**0.81**	**0.81**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.81	0.81
				transport:	0.00	0.00
8	**MDTB4624A1**	Demontarea...completa utilaj-65121003-macara pe pneuri de 0,15-0,199 mn(15-19,9tf)	**buc**	**1.00**	**0.47**	**0.47**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.47	0.47
				transport:	0.00	0.00

STADIUL FIZIC: MONTAJ UTILAJE

0	1	2	3	4	5 = 3 x 4
OBIECTUL: STATIE DE POMPARE SAT TAUTI					
STADIUL FIZIC: MONTAJ UTILAJE					
9	MDTC4624010 Transport utilaj...10 km-65121003-macara pe pneuri de 0,15-0,199 mn(15-19,9tf)	buc	1.00	0.19	0.19
			material:	0.00	0.00
			manopera:	0.00	0.00
			utilaj:	0.19	0.19
			transport:	0.00	0.00
10	MDTC4624025 Transport utilaj...25 km-65121003-macara pe pneuri de 0,15-0,199 mn(15-19,9tf)	buc	1.00	0.42	0.42
			material:	0.00	0.00
			manopera:	0.00	0.00
			utilaj:	0.42	0.42
			transport:	0.00	0.00
11	AUT6754 Automacara 15- 19,9 tf cu brat cu zabrele	ora	2.00	250.00	500.00
			material:	0.00	0.00
			manopera:	0.00	0.00
			utilaj:	250.00	500.00
			transport:	0.00	0.00

	procent	material	manopera	utilaj	transport	total
Total Cheltuieli directe:		755.28	4,251.58	660.34	0.00	5,667.20
Recapitulatia: Recap 2019: CAM 2,25						
Contributie asiguratorie pentru munca (CAM)	2.2500 %	0.00	95.66	0.00	0.00	95.66
Total Inclusiv Cheltuieli directe:		755.28	4,347.24	660.34	0.00	5,762.86
Cheltuieli indirecte	8.0000 %	60.42	347.78	52.83	0.00	461.03
Total Inclusiv Cheltuieli indirecte:		815.71	4,695.02	713.16	0.00	6,223.89
Profit	5.0000 %	40.79	234.75	35.66	0.00	311.19
Total Inclusiv Beneficiu:		856.49	4,929.77	748.82	0.00	6,535.08

OBIECTUL: STATIE DE POMPARE SAT TAUTI

STADIUL FIZIC: INSTALATII HIDRAULICE

1 TERASAMENTE

1.1	TSC03C1	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in depozit teren catg 3	100 mc	0.15	940.00	141.00
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	940.00	141.00
				transport:	0.00	0.00
1.2	TSC03G1	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in autovehicule teren catg 3	100 mc	0.05	1,040.00	52.00
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	1,040.00	52.00
				transport:	0.00	0.00
1.3	TSA04G1	Sapatura manuala de pamant in spatii limitate,avand sub 1 m latime si maximum 4.50 m adancime,executata cu sprijiniri,cu evacuare manuala,la fundatii,canale,drumuri etc...in pamant cu umiditate naturala adancimea sapaturii 1,5-3 teren foarte tare	mc	1.00	173.97	173.97
				material:	1.63	1.63
				manopera:	172.34	172.34
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.4	TRA01A05P	Transportul rutier al...pamantului sau molozului cu autobasculanta dist.= 5 km	tona	9.00	10.00	90.00
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	10.00	90.00
1.5	TSF01C1	Sprijiniri de maluri,cu dulapi de fag asezati orizontal,la sapaturi executate in spatii limitate,avand latimea de pana la 1.50 m intre maluri...adancimea sapaturii de 2.01-4 m,intre dulapi 0.21-20 m	mp	9.00	22.03	198.28
				material:	3.66	32.91
				manopera:	18.37	165.37
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: INSTALATII HIDRAULICE

0	1		2	3	4	5 = 3 x 4
OBIECTUL: STATIE DE POMPARE SAT TAUTI						
	STADIUL FIZIC: INSTALATII HIDRAULICE					
1.6	TSA24A1	Epuizarea mecanica a apelor din sapaturi,in teren cu infiltratii puternice de apa,executate cu:...motopompa de apa 6.6-12 Kw (9-16 CP)	ora	1.00	72.00	72.00
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	72.00	72.00
				transport:	0.00	0.00
1.7	ACE06A1	Sustineri din lemn pentru cabluri si conducte intilnite in sapatura : grele	m	2.00	57.93	115.85
				material:	32.90	65.80
				manopera:	25.03	50.05
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.8	ACE16A1	Montarea parapetelor si podetelor metalice de inventar la santuri pentru conducte	m	4.00	5.07	20.27
				material:	0.00	0.00
				manopera:	5.07	20.27
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2	REFACERI					
2.1	DA06A2	Strat de agregate naturale cilindrate (nisip), avand functia de rezidenta filtranta, izolatoare, antigeliva si anticapilara, cu asternere manuala;	mc	5.00	128.50	642.52
				material:	82.35	411.73
				manopera:	36.75	183.74
				utilaj:	9.41	47.05
				transport:	0.00	0.00
2.2	TRA01A40	Transportul rutier al...materialelor,semifabricatelor cu autobasculanta pe dist.= 40 km.	tona	9.00	40.00	360.00
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	40.00	360.00
2.3	TRB01B11	Transportul materialelor cu roaba pe pneuri inc aruncare desc aruncare grupa...1-3 distanta 10m	tona	2.00	22.49	44.98
				material:	0.00	0.00
				manopera:	22.49	44.98
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.4	TSD02C1	Imprastierea pamantului afanat provenit din teren categoria 1 sau 2,executata cu buldozer pe tractor cu senile de 65-80 CP,in straturi cu grosimea de:...31-50 cm	100 mc	0.16	188.00	30.08
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	188.00	30.08
				transport:	0.00	0.00
2.5	TSD06A1	Compactarea cu placa vibratoare a umpluturilor in straturi de 20-30 cm grosime,exclusiv udarea fiecarui strat in parte,umpluturile executandu-se din pamant necoeziv,compactat cu:...placa vibratoare de 0.7 t	100 mc	0.16	286.39	45.82
				material:	0.00	0.00
				manopera:	139.39	22.30
				utilaj:	147.00	23.52
				transport:	0.00	0.00
3	INSTALATII					
3.1	RPAB13G1	Manevrarea (inchidere-deschidere) vane pentru izolare zone retea...manual in camin vana d= 50-200 mm	buc	6.00	12.20	73.18
				material:	0.00	0.00
				manopera:	12.20	73.18
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.2	RPAC18A1	Taierea in sant cu flacara oxiacetilenica a tevilor din otel avand diam....200 mm	buc	4.00	22.98	91.93
				material:	3.34	13.36
				manopera:	19.64	78.57
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: INSTALATII HIDRAULICE

0	1		2	3	4	5 = 3 x 4
OBIECTUL: STATIE DE POMPARE SAT TAUTI						
STADIUL FIZIC: INSTALATII HIDRAULICE						
3.3	ACB08C1(ASIM)	Montarea in pamant a tevilor din polietilena de presiune, de inalta densitate, densitate alimentarilor cu apa, asamblate prin sudare, avand diametrul de 90-110mm	m	**20.00**	**10.10**	**201.92**
				material:	2.76	55.20
				manopera:	6.34	126.72
				utilaj:	1.00	20.00
				transport:	0.00	0.00
3.3.L	6701126	Teava HDPE 80 312uni7611.7615 pn6 DN 63x3.6 cod 64000089	m	20.30	9.35	189.81
3.4	W2H05A-1% (asim)	Montat banda avertizoare	m	**20.30**	**1.83**	**37.22**
				material:	0.57	11.50
				manopera:	1.27	25.72
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.5	EB01A1 (asim)	Montat conductor insotitor din cupru	m	**20.30**	**1.95**	**39.63**
				material:	1.00	20.34
				manopera:	0.95	19.29
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.6	AcE09D1 [ASIM3]	Sudura prin electrofuziune teu electrosudabil din PEHD D = 63-110mm	buc	**1.00**	**80.40**	**80.40**
				material:	12.03	12.03
				manopera:	27.88	27.88
				utilaj:	40.50	40.50
				transport:	0.00	0.00
3.6.L	20013690	Teu redus PE 100110/63 SDR11	buc	1.00	171.80	171.80
3.7	AcE09D1 [1]	Sudura prin electrofuziune mufa/cot electrosudabil din PEHD D = 90-110mm	buc	**2.00**	**58.54**	**117.07**
				material:	3.66	7.32
				manopera:	27.88	55.76
				utilaj:	27.00	54.00
				transport:	0.00	0.00
3.7.L	20020228	Mufa electrosudabila <safekit> pehd d.110	buc	2.00	52.25	104.50
3.8	AcE09D1 [1]	Sudura prin electrofuziune mufa/cot electrosudabil din PEHD D = 90-110mm	buc	**6.00**	**56.64**	**339.81**
				material:	1.76	10.54
				manopera:	27.88	167.27
				utilaj:	27.00	162.00
				transport:	0.00	0.00
3.8.L	20020225	Mufa electrosudabila <safekit> pehd d. 63	buc	6.00	25.10	150.60
3.9	AcE09D1 [1]	Sudura prin electrofuziune mufa/cot electrosudabil din PEHD D = 90-110mm	buc	**8.00**	**58.03**	**464.26**
				material:	3.15	25.23
				manopera:	27.88	223.03
				utilaj:	27.00	216.00
				transport:	0.00	0.00
3.9.L	20020205	Cot 45°electrosudabil d. 63	buc	8.00	45.05	360.40
3.10	AcE09B1 [ASIM2]	Sudura prin electrofuziune capat flansa din PEHD D = 63 mm	buc	**1.00**	**20.45**	**20.45**
				material:	2.49	2.49
				manopera:	16.16	16.16
				utilaj:	1.80	1.80
				transport:	0.00	0.00
3.10.	20019607	Capat flansa apa/gaz pe100 d. 63 sdr11	buc	1.00	24.90	24.90
3.11	ACB10A1	Flansa din otel rotunda montata prin sudura electr. avand dn = 50	buc	**1.00**	**30.65**	**30.65**
				material:	4.06	4.06
				manopera:	14.89	14.89
				utilaj:	11.70	11.70
				transport:	0.00	0.00
3.11.	4318823	Flansa libera otel pentru cond pehd pn10 dn63 cod66402005	buc	1.00	42.75	42.75

STADIUL FIZIC: INSTALATII HIDRAULICE

0	1		2	3	4	5 = 3 x 4
OBIECTUL: STATIE DE POMPARE SAT TAUTI						
STADIUL FIZIC: INSTALATII HIDRAULICE						
3.12	ACB05B1	Imbinare cu flanse piese leg. flanse armaturi si contoare cu dn 80 mm si pn 2,5;6 at.	buc	1.00	28.19	28.19
				material:	0.00	0.00
				manopera:	28.19	28.19
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.12.'	6607575	Garnitura de etansare ans plan pn6/2,5 D = 80 M 100-500 g2x4 s1733	buc	1.01	11.60	11.72
3.12.'	5801916	Surub cap hexagonal precis M 16 x 80 gr. 5.8 s4272	buc	4.00	15.35	61.40
3.12.'	5843146	Piulita hexagonala speciala s 4071 OL 37 M 16	buc	4.00	1.10	4.40
4	PROBE					
4.1	ACE07B1	Spalarea si desinfectarea conductelor de alimentare cu apa avand dn 80	100 m	0.20	60.28	12.06
				material:	10.55	2.11
				manopera:	49.74	9.95
				utilaj:	0.00	0.00
				transport:	0.00	0.00
4.2	ACB13A1	Inchidere capete conducta otel pentru proba presiune avand dn 50	buc	2.00	266.44	532.88
				material:	1.30	2.61
				manopera:	253.44	506.88
				utilaj:	11.70	23.40
				transport:	0.00	0.00
4.2.L	3109558	Teava pentru constructii fara sudura LC 89 x 8 / OLT 35 s 404/2	m	1.00	42.08	42.08

	procent	material	manopera	utilaj	transport	total
Total Cheltuieli directe:		**1,843.20**	**2,032.55**	**895.05**	**450.00**	**5,220.80**
Recapitulatia: Recap 2019: CAM 2,25						
Contributie asiguratorie pentru munca (CAM)	2.2500 %	0.00	45.73	0.00	0.00	45.73
Total Inclusiv Cheltuieli directe:		**1,843.20**	**2,078.29**	**895.05**	**450.00**	**5,266.54**
Cheltuieli indirecte	8.0000 %	147.46	166.26	71.60	36.00	421.32
Total Inclusiv Cheltuieli indirecte:		**1,990.65**	**2,244.55**	**966.65**	**486.00**	**5,687.86**
Profit	5.0000 %	99.53	112.23	48.33	24.30	284.39
Total Inclusiv Beneficiu:		**2,090.19**	**2,356.78**	**1,014.99**	**510.30**	**5,972.25**

OBIECTUL: STATIE DE POMPARE SAT TAUTI

STADIUL FIZIC: INSTALATII ELECTRICE

1	EF03A1	Tablou electric, format panou, dulap, celula sau pupitru, având greutatea pîna la 150 kg	buc	1.00	344.92	344.92
				material:	67.40	67.40
				manopera:	277.52	277.52
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.L	7349003	Tablou distributie tip inchis c2s stas 5358-56	buc	1.00	57.22	57.22
2	ATD29C	Suporti, stelaje, constructii metalice jgheaburi de protectie pentru cabluri	kg	10.00	19.69	196.94
				material:	9.37	93.67
				manopera:	10.33	103.27
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3	EA14B1	Racord, din tub flexibil neetans sau etans, pentru protectia conductelor electrice, tubul având diametrul interior de 15 mm	m	10.00	24.94	249.38
				material:	13.85	138.50
				manopera:	11.09	110.88
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: INSTALATII ELECTRICE

0	1		2	3	4	5 = 3 x 4
OBIECTUL: STATIE DE POMPARE SAT TAUTI						
	STADIUL FIZIC: INSTALATII ELECTRICE					
4	EA16C1	Doza de derivatie, pentru cabluri sau tevi de instalatii, montata în mediu normal, tip NBU-PG 16	buc	6.00	8.12	48.74
				material:	0.52	3.12
				manopera:	7.60	45.62
				utilaj:	0.00	0.00
				transport:	0.00	0.00
4.L	7318987	Doza de derivatie pentru cabluri sau tevi inst.tip:nbu pg16	buc	6.00	3.48	20.88
5	EC04A1	Cablu pentru energie electrica, montat liber prin asezare (fara dispozitive de fixare), cablul având conducte cu sectiunea pîna la 16 mmp, montat pe fundul canalelor	m	20.00	2.57	51.38
				material:	0.03	0.70
				manopera:	2.53	50.69
				utilaj:	0.00	0.00
				transport:	0.00	0.00
5.L	4801892	Cablu energie cyy 0,6/ 1 KV 3x 1,5 U s.8778	m	20.40	2.85	58.14
6	EC04A1	Cablu pentru energie electrica, montat liber prin asezare (fara dispozitive de fixare), cablul având conducte cu sectiunea pîna la 16 mmp, montat pe fundul canalelor	m	25.00	2.57	64.23
				material:	0.03	0.87
				manopera:	2.53	63.36
				utilaj:	0.00	0.00
				transport:	0.00	0.00
6.L	4801907	Cablu energie cyy 0,6/ 1 KV 3x 2,5 U s.8778	m	25.50	4.02	102.51
7	EC04A1	Cablu pentru energie electrica, montat liber prin asezare (fara dispozitive de fixare), cablul având conducte cu sectiunea pîna la 16 mmp, montat pe fundul canalelor	m	10.00	2.57	25.69
				material:	0.03	0.35
				manopera:	2.53	25.34
				utilaj:	0.00	0.00
				transport:	0.00	0.00
7.L	4802080	Cablu energie cyy 0,6/ 1 KV 4x 10 U s.8778	m	10.20	20.96	213.79
8	EC04A1	Cablu pentru energie electrica, montat liber prin asezare (fara dispozitive de fixare), cablul având conducte cu sectiunea pîna la 16 mmp, montat pe fundul canalelor	m	10.00	2.57	25.69
				material:	0.03	0.35
				manopera:	2.53	25.34
				utilaj:	0.00	0.00
				transport:	0.00	0.00
8.L	4802224	Cablu energie cyy 0,6/ 1 KV 4x.35 + 16 M s.8778	m	10.20	92.77	946.25
9	EB02A1	Conducta de cupru, cu izolatie, introdusa în tuburi izolante sau de protectie de orice fel, conducta având sectiunea pîna la 4 mmp	m	10.00	1.04	10.37
				material:	0.09	0.86
				manopera:	0.95	9.50
				utilaj:	0.00	0.00
				transport:	0.00	0.00
9.L	4826880	Conductor fy 1x 1,5 s	m	10.30	2.15	22.15
10	EA02A2	Tub izolant, de protectie, etans, IPE, din policlorura de vinil neplastifiata, IPEY, montat îngropat sau aparent, având diametrul exterior de 20 mm, montat îngropat	m	5.00	16.07	80.37
				material:	2.14	10.68
				manopera:	13.94	69.70
				utilaj:	0.00	0.00
				transport:	0.00	0.00
11	EC19A1	Presetupa pentru fixarea cablurilorla electromotoare, tablouri sau aparate, având diametrul pana la 16 mm,	buc	10.00	1.27	12.67
				material:	0.00	0.00
				manopera:	1.27	12.67
				utilaj:	0.00	0.00
				transport:	0.00	0.00
11.L	5217426	Presetupa pentru fixare cabluri latablouri,aparate D = 29	buc	10.00	9.29	92.90

STADIUL FIZIC: INSTALATII ELECTRICE

0	1		2	3	4	5 = 3 x 4
OBIECTUL: STATIE DE POMPARE SAT TAUTI						
STADIUL FIZIC: INSTALATII ELECTRICE						
12	ED01G1	Intreruptor manual unipolar, constructie normala sau constructie etansa în carcasa de bachelita (antigron, etc), montat aparent pe dibluri de material plastic	buc	**3.00**	**8.27**	**24.8**
				material:	0.66	1.99
				manopera:	7.60	22.8
				utilaj:	0.00	0.0
				transport:	0.00	0.00
12.L	5500732	Intrerupator cumpana pentru simbol 0186 250 V 10a	buc	3.03	2.68	8.1
13	ED08G1	Priza bipolara, constructie normala, cu contact de protectie (nul), montata aparent pe dibluri de lemn	buc	**4.00**	**9.36**	**37.46**
				material:	0.18	0.71
				manopera:	9.19	36.7
				utilaj:	0.00	0.00
				transport:	0.00	0.00
13.L	5536157	Priza bipolara bachel.cu cont.prot.marit apar 250/10a	buc	4.04	3.17	12.8
14	ED20A1	Legarea electromotorului, la conducte de 0,55-4 kW, la conducte de aluminiu sau cupru	buc	**4.00**	**12.35**	**49.39**
				material:	1.58	6.3
				manopera:	10.77	43.08
				utilaj:	0.00	0.00
				transport:	0.00	0.00
15	EE12B1	Corp de iluminat, pentru lampi fluorescente tubulare neetans, montat pe dibluri de material plastic	buc	**1.00**	**19.91**	**19.91**
				material:	0.59	0.59
				manopera:	19.32	19.32
				utilaj:	0.00	0.00
				transport:	0.00	0.00
15.L	5103663	Corp il.fl.fipa -01 240 220 V 2x 40w condens.reflect	buc	1.00	103.24	103.55
16	EF09A1	Racordarea conductelor din cupru, la borne (aparate, motoare, tablouri electrice), conducta având sectiunea de pîna la 10 mmp (exclusiv)	buc	**18.00**	**2.22**	**39.92**
				material:	0.00	0.00
				manopera:	2.22	39.92
				utilaj:	0.00	0.00
				transport:	0.00	0.00
17	EG07B1	Conducta de coborîre, montata pe ziduri si cosuri de beton sau caramida, conducta fiind din banda de otel zineata, de 25x4 mm, montata aparent pe ziduri	m	**30.00**	**39.83**	**1,194.82**
				material:	20.50	615.08
				manopera:	19.32	579.74
				utilaj:	0.00	0.00
				transport:	0.00	0.00
18	EH01A1	Încercarea cablurilor de energie electrica, de maximum 1 kV	buc	**2.00**	**52.89**	**105.78**
				material:	0.00	0.00
				manopera:	24.39	48.79
				utilaj:	28.50	57.00
				transport:	0.00	0.00
19	EH02A1	Încercarea cablurilor pentru instalatii electrice de comanda, semnalizari, blocari	buc	**10.00**	**2.22**	**22.18**
				material:	0.00	0.00
				manopera:	2.22	22.18
				utilaj:	0.00	0.00
				transport:	0.00	0.00
20	EH05C1	Încercarea tablourilor de distributie, de comanda de protectie, de semnalizare, a pupitrelor de comanda si a cutiilor metalice cu cleme panouri metalice sau dulapuri metalice	buc	**2.00**	**361.12**	**722.23**
				material:	0.00	0.00
				manopera:	292.72	585.45
				utilaj:	68.39	136.79
				transport:	0.00	0.00
21	EH07A1	Energie electrica, pentru probe	kwh	**10.00**	**0.56**	**5.60**
				material:	0.56	5.60
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: INSTALATII ELECTRICE

0	1		2	3	4	5 = 3 x 4
OBIECTUL: STATIE DE POMPARE SAT TAUTI						
STADIUL FIZIC: INSTALATII ELECTRICE						
22	EC02A1	Cablu pentru energie electrica, montat cu scoabe (cleme de prindere) din bachelita, direct pe zid, cablul având conducte cu sectiunea pîna la 10 mmp, pe dibluri de lemn	m	50.00	21.21	1,060.53
				material:	2.52	125.97
				manopera:	18.69	934.56
				utilaj:	0.00	0.00
				transport:	0.00	0.00
22.L	4802080	Cablu energie cyy 0,6/ 1 KV 4x 10 U s.8778	m	51.50	20.96	1,079.44
23	W2H04A1	Strat nisip asezat in sant pentru...protejarea cablurilor la lucr in prof netipizat	mc	4.00	79.65	318.60
				material:	65.20	260.82
				manopera:	14.45	57.78
				utilaj:	0.00	0.00
				transport:	0.00	0.00
24	EA10A1	Teava din policarbonat de vinil (PVC), tip usor (U), montata aparent sau îngropat, având diametrul exterior de 50 mm, montata aparent	m	10.00	29.26	292.57
				material:	6.76	67.64
				manopera:	22.49	224.93
				utilaj:	0.00	0.00
				transport:	0.00	0.00
25	W2H07A1	Profil tip...m pentru 1 cablu de 1kv strat protector cu folii din pvc	m	20.00	10.70	213.95
				material:	9.30	186.08
				manopera:	1.39	27.87
				utilaj:	0.00	0.00
				transport:	0.00	0.00
26	W2J02A1	Verificarari si incerc ret elc subt. cu cablu...nou	buc	2.00	135.99	271.98
				material:	0.00	0.00
				manopera:	51.64	103.28
				utilaj:	84.35	168.71
				transport:	0.00	0.00
27	TSA02B1	Sapatura manuala de pamant in spatii limitate,avand sub 1.00 m sau peste 1.00 m latime,executata fara sprijini,cu taluz vertical,la fundatii,canale,subsoluri,drenuri,trepte de infratire etc....in pamant necoeziv sau slab coeziv adancime ,0.75m teren mijlociu	mc	10.00	37.70	376.99
				material:	0.00	0.00
				manopera:	37.70	376.99
				utilaj:	0.00	0.00
				transport:	0.00	0.00
28	TSD01B1	Imprastierea cu lopata a pamant. afinat,strat uniform 10-30cm. gros cu sfarim. bulg. teren...teren mijlociu	mc	6.00	9.82	58.92
				material:	0.00	0.00
				manopera:	9.82	58.92
				utilaj:	0.00	0.00
				transport:	0.00	0.00
29	TSD18C1	Umlutura compactata in santuri,pentru cablurile ingropate ale liniilor electrice de inalta tensiune,executata cu pamant provenit din :...teren tare	mc	10.00	39.69	396.85
				material:	0.40	4.02
				manopera:	39.28	392.83
				utilaj:	0.00	0.00
				transport:	0.00	0.00
30	EG07A1	Conducta de coborîre, montata pe ziduri si cosuri de beton sau caramida, conducta fiind din banda de otel zineata, de 20x3 mm, montata aparent pe ziduri	m	10.00	35.49	354.88
				material:	16.16	161.63
				manopera:	19.32	193.25
				utilaj:	0.00	0.00
				transport:	0.00	0.00
31	W1R06A2	Electrod din teava de otel de doi toli si jumatatepentru legarea la pamant in teren...tare	m	12.00	68.86	826.36
				material:	32.64	391.65
				manopera:	34.23	410.71
				utilaj:	2.00	24.00
				transport:	0.00	0.00

STADIUL FIZIC: INSTALATII ELECTRICE

0	1		2	3	4	5 = 3 x 4
OBIECTUL: STATIE DE POMPARE SAT TAUTI						
STADIUL FIZIC: INSTALATII ELECTRICE						
32	EB08B1	Conducta de otel, pentru legarea la pamînt sau la nul, a receptoarelor sau aparatelor electrice, montata pe zid de caramida sau beton, conducta fiind banda de otel, laminate la cald, de 25x4 mm	m	**29.00**	**35.00**	**1,014.9**
				material:	13.14	380.98
				manopera:	21.86	633.9
				utilaj:	0.00	0.0
				transport:	0.00	0.00
33	W1P08A	Verificarea prizelor de pamant pentru lucrari de instalatii electrice la...constructii	buc	**1.00**	**57.48**	**57.4**
				material:	0.46	0.4
				manopera:	57.02	57.02
				utilaj:	0.00	0.00
				transport:	0.00	0.0
34	W2G01A09	Montare ...cablu subt. 1 kv gr. 0,451-0,600 kg/m cu-al in sant pe pat de nisip f. obst. cu tr. manuale montat	m	**15.00**	**1.31**	**19.63**
				material:	0.16	2.34
				manopera:	1.15	17.2
				utilaj:	0.00	0.0
				transport:	0.00	0.00
34.L	4800707	Cablu energie cyp 0,6/ 1 KV 3x 35 + 16 M nid 2405	m	15.30	105.93	1,620.7
35	W2F05B01	Corp de...ilum. publ. tip lampadar pentru lampa cu vap. me rcur inal. pres. la sol cu nisa st. metal montat	buc	**1.00**	**215.26**	**215.26**
				material:	179.84	179.84
				manopera:	35.42	35.42
				utilaj:	0.00	0.00
				transport:	0.00	0.00
36	M1H14B1	Incercari si reglaje ale aparatelor electrice...controlere pentru circuite de forta si secundare	buc	**2.00**	**60.06**	**120.13**
				material:	0.00	0.00
				manopera:	60.06	120.13
				utilaj:	0.00	0.0
				transport:	0.00	0.00
37	ATE34A01	Verificarari automateriale programabil uc+consola+mod. memorii necon la proces nr module x n ore	buc	**1.00**	**2,597.32**	**2,597.32**
				material:	12.58	12.58
				manopera:	1,900.80	1,900.80
				utilaj:	683.94	683.94
				transport:	0.00	0.00
38	CL01A1	Montarea stâlpilor din otel, pentru hale industriale, livrati complet asamblati avand pana la o tona	tona	**0.50**	**690.94**	**345.47**
				material:	126.97	63.48
				manopera:	536.98	268.49
				utilaj:	27.00	13.50
				transport:	0.00	0.00
38.L	6309886	Confectie metalice inglobate in beton	kg	1.00	9.00	9.00

	procent	material	manopera	utilaj	transport	total
Total Cheltuieli directe:		**7,131.72**	**8,006.13**	**1,083.93**	**0.00**	**16,221.77**
Recapitulatia:	Recap 2019: CAM 2,25					
Contributie asiguratorie pentru munca (CAM)	2.2500 %	0.00	180.14	0.00	0.00	180.14
Total Inclusiv Cheltuieli directe:		**7,131.72**	**8,186.27**	**1,083.93**	**0.00**	**16,401.91**
Cheltuieli indirecte	8.0000 %	570.54	654.90	86.71	0.00	1,312.15
Total Inclusiv Cheltuieli indirecte:		**7,702.26**	**8,841.17**	**1,170.64**	**0.00**	**17,714.07**
Profit	5.0000 %	385.11	442.06	58.53	0.00	885.70
Total Inclusiv Beneficiu:		**8,087.37**	**9,283.23**	**1,229.17**	**0.00**	**18,599.77**

OBIECTUL: STATIE DE POMPARE SAT TAUTI

STADIUL FIZIC: INSTALATII AUTOMATIZARE, SUPRAVEGHERE SI ANTIEFRACTIE

1 ECHIPAMENTE SI ACCESORII CU MONTAJ

STADIUL FIZIC: INSTALATII AUTOMATIZARE, SUPRAVEGHERE SI ANTIEFRACTIE

0	1	2	3	4	5 = 3 x 4
OBIECTUL: STATIE DE POMPARE SAT TAUTI					
STADIUL FIZIC: INSTALATII AUTOMATIZARE, SUPRAVEGHERE SI ANTIEFRACTIE					
1.1	**5729645** CAMERA VIDEO HDCVI COMPACTA 2MP	**buc**	**4.00**	**585.00**	**2,340.00**
			material:	585.00	2,340.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.2	**20033655** DVR HDCVI 8 CANALE 5M PENTABRID	**buc**	**1.00**	**734.00**	**734.00**
			material:	734.00	734.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.3	**20033656** CONVECTOR BNC-UTP PERECHE	**buc**	**4.00**	**51.00**	**204.00**
			material:	51.00	204.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.4	**20033657** HDD AV 4TB	**buc**	**1.00**	**905.00**	**905.00**
			material:	905.00	905.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.5	**20033658** MODUL EXTENSIE 4IN 4OUT PE BUS	**buc**	**1.00**	**542.00**	**542.00**
			material:	542.00	542.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.6	**7345163** SIRENA DE INTERIOR	**buc**	**1.00**	**180.00**	**180.00**
			material:	180.00	180.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.7	**7311083** CONTACT MAGNETIC METALIC	**buc**	**1.00**	**48.00**	**48.00**
			material:	48.00	48.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.8	**20033659** MODUL CITITOR RFID, TASTATURA CU ECRAN PE BUS	**buc**	**1.00**	**679.00**	**679.00**
			material:	679.00	679.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.9	**20033660** TELECOMANDA 4 BUTOANE	**buc**	**2.00**	**252.00**	**504.00**
			material:	252.00	504.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.10	**20033661** TAG RFID	**buc**	**2.00**	**30.00**	**60.00**
			material:	30.00	60.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.11	**20033662** DETECTOR PIR PE BUS	**buc**	**2.00**	**158.00**	**316.00**
			material:	158.00	316.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00

STADIUL FIZIC: INSTALATII AUTOMATIZARE, SUPRAVEGHERE SI ANTIEFRACTIE

0	1	2	3	4	5 = 3 x 4
OBIECTUL: STATIE DE POMPARE SAT TAUTI					
STADIUL FIZIC: INSTALATII AUTOMATIZARE, SUPRAVEGHERE SI ANTIEFRACTIE					
1.12	2901078 DULAP METALIC MARE	buc	**1.00**	**980.00**	**980.00**
			material:	980.00	980.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.13	5214451 SIGURANTA AUTOMATA	buc	**1.00**	**45.00**	**45.00**
			material:	45.00	45.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.14	20033663 MODUL BUS DE IESIRE PE RELEU	buc	**1.00**	**338.00**	**338.00**
			material:	338.00	338.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.15	2700229 PANOU CONTROL	buc	**1.00**	**820.00**	**820.00**
			material:	820.00	820.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.16	20033664 SURSA 12V/5A 4 IESIRI	buc	**1.00**	**255.00**	**255.00**
			material:	255.00	255.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.17	20033665 ACUMULATOR 7AH/12V	buc	**1.00**	**89.00**	**89.00**
			material:	89.00	89.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
2	**MATERIALE SI CABLURI CU MONTAJ**				
2.1	4700013 CABLU ALARMA 4 FIRE	m	**140.00**	**3.00**	**420.00**
			material:	3.00	420.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
2.2	4700014 CABLU DATE FTP CAT5	m	**200.00**	**4.00**	**800.00**
			material:	4.00	800.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
2.3	4700015 CABLU ALIMENTARE 3*1.5	m	**100.00**	**4.00**	**400.00**
			material:	4.00	400.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
2.4	4700016 CABLU ALIMENTARE 2*0.75	m	**160.00**	**2.00**	**320.00**
			material:	2.00	320.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00

STADIUL FIZIC: INSTALATII AUTOMATIZARE, SUPRAVEGHERE SI ANTIEFRACTIE

0	1		2	3	4	5 = 3 x 4
OBIECTUL: STATIE DE POMPARE SAT TAUTI						
	STADIUL FIZIC: INSTALATII AUTOMATIZARE, SUPRAVEGHERE SI ANTIEFRACTIE					
2.5	5500082	DOZA CU PRESETUPE 100*100*50	buc	**4.00**	**12.00**	**48.00**
				material:	12.00	48.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.6	20033666	COPEX CU PERETE DUBLU DN40	m	**80.00**	**5.00**	**400.00**
				material:	5.00	400.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.7	20033667	MATERIALE MARUNTE	buc	**1.00**	**680.00**	**680.00**
				material:	680.00	680.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3	MANOPERA SI ALTELE CU MONTAJ					
3.1	YB01	Diferenta pret manopera lei	lei	**12,660.00**	**1.00**	**12,660.00**
				material:	0.00	0.00
				manopera:	1.00	12,660.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.2	YC01	Diferenta pret material lei	lei	**6,780.00**	**1.00**	**6,780.00**
				material:	1.00	6,780.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.3	XA01A	Diferenta de pret pentru transportul auto al materialelor	lei	**2,950.00**	**1.00**	**2,950.00**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	1.00	2,950.00

	procent	material	manopera	utilaj	transport	total
Total Cheltuieli directe:		**18,887.00**	**12,660.00**	**0.00**	**2,950.00**	**34,497.00**
Recapitulatia:	Recap 2019: CAM 2,25					
Contributie asiguratorie pentru munca (CAM)	2.2500 %	0.00	284.85	0.00	0.00	284.85
Total Inclusiv Cheltuieli directe:		**18,887.00**	**12,944.85**	**0.00**	**2,950.00**	**34,781.85**
Cheltuieli indirecte	8.0000 %	1,510.96	1,035.59	0.00	236.00	2,782.55
Total Inclusiv Cheltuieli indirecte:		**20,397.96**	**13,980.44**	**0.00**	**3,186.00**	**37,564.40**
Profit	5.0000 %	1,019.90	699.02	0.00	159.30	1,878.22
Total Inclusiv Beneficiu:		**21,417.86**	**14,679.46**	**0.00**	**3,345.30**	**39,442.62**

OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT TAUTI

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA

1	TERASAMENTE					
1.1	TSC03C1	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in depozit teren catg 3	100 mc	**3.04**	**940.00**	**2,857.60**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	940.00	2,857.60
				transport:	0.00	0.00

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT TAUTI						
	STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA					
1.2	TSC03G1	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in autovehicule teren catg 3	100 mc	**1.15**	**1,040.00**	**1,196.0(**
				material:	0.00	0.00
				manopera:	0.00	0.0(
				utilaj:	1,040.00	1,196.0(
				transport:	0.00	0.00
1.3	TSA04G1	Sapatura manuala de pamant in spatii limitate,avand sub 1 m latime si maximum 4.50 m adancime,executata cu sprijiniri,cu evacuare manuala,la fundatii,canale,drumuri etc...in pamant cu umiditate naturala adancimea sapaturii 1,5-3 teren foarte tare	mc	**22.00**	**173.97**	**3,827.3(**
				material:	1.63	35.8
				manopera:	172.34	3,791.46
				utilaj:	0.00	0.0(
				transport:	0.00	0.0(
1.4	TRA01A05P	Transportul rutier al...pamantului sau molozului cu autobasculanta dist.= 5 km	tona	**207.00**	**10.00**	**2,070.0(**
				material:	0.00	0.0(
				manopera:	0.00	0.07
				utilaj:	0.00	0.0(
				transport:	10.00	2,070.0(
1.5	TSF01C1	Sprijiniri de maluri,cu dulapi de fag asezati orizontal,la sapaturi executate in spatii limitate,avand latimea de pana la 1.50 m intre maluri...adancimea sapaturii de 2.01-4 m,intre dulapi 0.21-20 m	mp	**190.00**	**22.03**	**4,185.97**
				material:	3.66	694.83
				manopera:	18.37	3,491.1(
				utilaj:	0.00	0.0(
				transport:	0.00	0.00
1.6	TSA24A1	Epuizarea mecanica a apelor din sapaturi,in teren cu infiltratii puternice de apa,executate cu:...motopompa de apa 6.6-12 Kw (9-16 CP)	ora	**7.00**	**72.00**	**504.0(**
				material:	0.00	0.0(
				manopera:	0.00	0.00
				utilaj:	72.00	504.0(
				transport:	0.00	0.0(
1.7	ACE06A1	Sustineri din lemn pentru cabluri si conducte intilnite in sapatura : grele	m	**35.00**	**57.93**	**2,027.45**
				material:	32.90	1,151.5(
				manopera:	25.03	875.95
				utilaj:	0.00	0.00
				transport:	0.00	0.0(
1.8	ACE16A1	Montarea parapetelor si podetelor metalice de inventar la santuri pentru conducte	m	**26.00**	**5.07**	**131.78**
				material:	0.00	0.00
				manopera:	5.07	131.78
				utilaj:	0.00	0.0(
				transport:	0.00	0.00
2	**REFACERI**					
2.1	DA06A2	Strat de agregate naturale cilindrate (nisip), avand functia de rezidenta filtranta, izolatoare, antigeliva si anticapilara, cu asternere manuala;	mc	**115.00**	**128.50**	**14,778.02**
				material:	82.35	9,469.76
				manopera:	36.75	4,226.11
				utilaj:	9.41	1,082.15
				transport:	0.00	0.00
2.2	TRA01A40	Transportul rutier al...materialelor,semifabricatelor cu autobasculanta pe dist.= 40 km.	tona	**207.00**	**40.00**	**8,280.00**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	40.00	8,280.00
2.3	TRB01B11	Transportul materialelor cu roaba pe pneuri inc aruncare desc aruncare grupa...1-3 distanta 10m	tona	**52.00**	**22.49**	**1,169.61**
				material:	0.00	0.00
				manopera:	22.49	1,169.61
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT TAUTI						
	STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA					
2.4	TSD02C1	Imprastierea pamantului afanat provenit din teren categoria 1 sau 2,executata cu buldozer pe tractor cu senile de 65-80 CP,in straturi cu grosimea de:...31-50 cm	100 mc	**3.26**	**188.00**	**612.88**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	188.00	612.88
				transport:	0.00	0.00
2.5	TSD06A1	Compactarea cu placa vibratoare a umpluturilor in straturi de 20-30 cm grosime,exclusiv udarea fiecarui strat in parte,umpluturile executandu-se din pamant necoeziv,compactat cu:...placa vibratoare de 0.7 t	100 mc	**3.26**	**286.39**	**933.64**
				material:	0.00	0.00
				manopera:	139.39	454.42
				utilaj:	147.00	479.22
				transport:	0.00	0.00
3	**INSTALATII**					
3.1	RPAB13G1	Manevrarea (inchidere-deschidere) vane pentru izolare zone retea...manual in camin vana d= 50-200 mm	buc	**2.00**	**12.20**	**24.39**
				material:	0.00	0.00
				manopera:	12.20	24.39
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.2	RPAC18A1	Taierea in sant cu flacara oxiacetilenica a tevilor din otel avand diam....200 mm	buc	**4.00**	**22.98**	**91.93**
				material:	3.34	13.36
				manopera:	19.64	78.57
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.3	ACB08C1 (ASIM)	Montarea in pamant a tevilor din polietilena de presiune, de inalta densitatae, densitate alimentarilor cu apa, asamblate prin sudura, avand diametrul de 90-110mm	m	**310.00**	**8.19**	**2,538.28**
				material:	2.52	781.20
				manopera:	3.17	982.08
				utilaj:	2.50	775.00
				transport:	0.00	0.00
3.3.L	6701152	Teava HDPE 80 312uni7611.7615 pn10 DN 90x8.2 cod 64000115	m	314.65	20.15	6,340.20
3.4	ACB08C1(ASIM)	Montarea in pamant a tevilor din polietilena de presiune, de inalta densitate, densitate alimentarilor cu apa, asamblate prin sudare, avand diametrul de 90-110mm	m	**110.00**	**10.29**	**1,132.13**
				material:	2.96	325.17
				manopera:	6.34	696.96
				utilaj:	1.00	110.00
				transport:	0.00	0.00
3.4.L	6701128	Teava HDPE 80 312uni7611.7615 pn6 DN 90x5.1 cod 64000091	m	111.65	19.00	2,121.35
3.5	W2H05A-1% (asim)	Montat banda avertizoare	m	**420.00**	**1.83**	**770.15**
				material:	0.57	237.93
				manopera:	1.27	532.22
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.6	EB01A1 (asim)	Montat conductor insotitor din cupru	m	**420.00**	**1.95**	**819.92**
				material:	1.00	420.76
				manopera:	0.95	399.17
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.7	AcE09D1 [1]	Sudura prin electrofuziune mufa/cot electrosudabil din PEHD D = 90-110mm	buc	**10.00**	**57.86**	**578.64**
				material:	2.99	29.86
				manopera:	27.88	278.78
				utilaj:	27.00	270.00
				transport:	0.00	0.00
3.7.L	20020227	Mufa electrosudabila <safekit> pehd d. 90	buc	10.00	42.65	426.50

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT TAUTI						
	STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA					
3.8	**AcE09D1 [1]**	Sudura prin electrofuziune mufa/cot electrosudabil din PEHD D = 90-110mm	**buc**	**4.00**	**59.70**	**238.8**
				material:	4.83	19.31
				manopera:	27.88	111.51
				utilaj:	27.00	108.0
				transport:	0.00	0.00
3.8.L	20020207	Cot 45°electrosudabil d. 90	buc	4.00	68.95	275.80
3.9	**AcE09D1 [1]**	Sudura prin electrofuziune mufa/cot electrosudabil din PEHD D = 90-110mm	**buc**	**1.00**	**62.57**	**62.5**
				material:	7.70	7.70
				manopera:	27.88	27.88
				utilaj:	27.00	27.0
				transport:	0.00	0.0
3.9.L	20020293	Dop electrosudabil d. 90	buc	1.00	109.95	109.95
4	**PROBE**					
4.1	**ACE07B1**	Spalarea si desinfectarea conductelor de alimentare cu apa avand dn 80	**100 m**	**4.20**	**60.28**	**253.19**
				material:	10.55	44.29
				manopera:	49.74	208.9
				utilaj:	0.00	0.0
				transport:	0.00	0.00
4.2	**ACB13C1**	Inchidere capete conducta otel pentru proba presiune avand dn 100	**buc**	**2.00**	**267.94**	**535.8**
				material:	2.80	5.6
				manopera:	253.44	506.88
				utilaj:	11.70	23.4
				transport:	0.00	0.0
4.2.L	3110325	Teava pentru constructii fara sudura LC 114 x 8 / OLT 35 s 404/2	m	1.00	120.48	120.48

	procent	material	manopera	utilaj	transport	total
Total Cheltuieli directe:		**22,631.38**	**17,987.88**	**8,045.25**	**10,350.00**	**59,014.51**
Recapitulatia:	Recap 2019: CAM 2,25					
Contributie asiguratorie pentru munca (CAM)	2.2500 %	0.00	404.73	0.00	0.00	404.73
Total Inclusiv Cheltuieli directe:		**22,631.38**	**18,392.60**	**8,045.25**	**10,350.00**	**59,419.23**
Cheltuieli indirecte	8.0000 %	1,810.51	1,471.41	643.62	828.00	4,753.54
Total Inclusiv Cheltuieli indirecte:		**24,441.89**	**19,864.01**	**8,688.87**	**11,178.00**	**64,172.77**
Profit	5.0000 %	1,222.09	993.20	434.44	558.90	3,208.64
Total Inclusiv Beneficiu:		**25,663.98**	**20,857.21**	**9,123.31**	**11,736.90**	**67,381.41**

OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT TAUTI

STADIUL FIZIC: BRANSAMENT APA_(1 buc.)

1	**TERASAMENTE**					
1.1	**TSC03C1**	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in depozit teren catg 3	**100 mc**	**0.04**	**940.00**	**37.60**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	940.00	37.60
				transport:	0.00	0.00
1.2	**TSC03G1**	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in autovehicule teren catg 3	**100 mc**	**0.09**	**1,040.00**	**93.60**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	1,040.00	93.60
				transport:	0.00	0.00

STADIUL FIZIC: BRANSAMENT APA_(1 buc.)

0	1	2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT TAUTI					
STADIUL FIZIC: BRANSAMENT APA_(1 buc.)					
1.3	TSA04G1	Sapatura manuala de pamant in spatii limitate,avand sub 1 m latime si maximum 4.50 m adancime,executata cu sprijiniri,cu evacuare manuala,la fundatii,canale,drumuri etc...in pamant cu umiditate naturala adancimea sapaturii 1,5-3 teren foarte tare	mc	1.40	173.97	243.56
				material:	1.63	2.28
				manopera:	172.34	241.27
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.4	TRA01A05P	Transportul rutier al...pamantului sau molozului cu autobasculanta dist.= 5 km	tona	16.20	10.00	162.01
				material:	0.00	0.00
				manopera:	0.00	0.01
				utilaj:	0.00	0.00
				transport:	10.00	162.00
2	**REFACERI**					
2.1	DA06A2	Strat de agregate naturale cilindrate (nisip), avand functia de rezidenta filtranta, izolatoare, antigeliva si anticapilara, cu asternere manuala;	mc	1.14	128.50	146.50
				material:	82.35	93.87
				manopera:	36.75	41.89
				utilaj:	9.41	10.73
				transport:	0.00	0.00
2.2	TRA01A40	Transportul rutier al...materialelor,semifabricatelor cu autobasculanta pe dist.= 40 km.	tona	2.05	40.00	82.00
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	40.00	82.00
2.3	TRB01B11	Transportul materialelor cu roaba pe pneuri inc aruncare desc aruncare grupa...1-3 distanta 10m	tona	0.50	22.49	11.25
				material:	0.00	0.00
				manopera:	22.49	11.25
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.4	TSD02C1	Imprastierea pamantului afanat provenit din teren categoria 1 sau 2,executata cu buldozer pe tractor cu senile de 65-80 CP,in straturi cu grosimea de:...31-50 cm	100 mc	0.05	188.00	10.15
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	188.00	10.15
				transport:	0.00	0.00
2.5	TSD06A1	Compactarea cu placa vibratoare a umpluturilor in straturi de 20-30 cm grosime,exclusiv udarea fiecarui strat in parte,umpluturile executandu-se din pamant necoeziv,compactat cu:...placa vibratoare de 0.7 t	100 mc	0.05	286.39	15.47
				material:	0.00	0.00
				manopera:	139.39	7.53
				utilaj:	147.00	7.94
				transport:	0.00	0.00
3	**INSTALATII**					
3.1	ACA12A(+asim)	Montarea in pamant a tevilor din polietilena de presiune, de inalta densitatae, densitate alimentarilor cu apa, asamblate prin metoda de sudare manuala, cu manson de polietilena, cu flanse, conform normativului I-6-PE, avand diametrul de: 20-25mm	m	5.00	9.80	48.99
				material:	2.66	13.31
				manopera:	6.34	31.68
				utilaj:	0.80	4.00
				transport:	0.00	0.00
3.1.L	6701122	Teava HDPE 80 312uni7611.7615 pn6 DN 25x1.6 cod 64000085	m	5.10	2.15	10.97
3.2	W2H05A-1% (asim)	Montat banda avertizoare	m	5.10	1.83	9.35
				material:	0.57	2.89
				manopera:	1.27	6.46
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: BRANSAMENT APA_(1 buc.)

0	1	2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT TAUTI					
STADIUL FIZIC: BRANSAMENT APA_(1 buc.)					
3.3	EB01A1 (asim) Montat conductor insotitor din cupru	m	5.10	1.95	9.9
			material:	1.00	5.11
			manopera:	0.95	4.8
			utilaj:	0.00	0.0
			transport:	0.00	0.00
3.4	AcA62D+ Sudura prin electrofuziune sa/teu bransament electrosudabil cu/fara colier din PEHD - VALROM...D = 90-160 mm	buc	1.00	17.01	17.0
			material:	0.00	0.0
			manopera:	15.21	15.21
			utilaj:	1.80	1.8
			transport:	0.00	0.0
3.5	3330849 Teu bransament cu colier d=90x25	buc	1.00	161.70	161.70
			material:	161.70	161.70
			manopera:	0.00	0.0
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.6	AcA54A+ (ASIM) Sudura cap la cap fiting din PEHD PE100 SDR 17 cu 2 imbinari D = 20 - 50 mm	buc	3.00	138.72	416.1
			material:	0.00	0.0
			manopera:	36.12	108.35
			utilaj:	102.60	307.8
			transport:	0.00	0.0
3.7	20010127 Mufa electrosudabila pehd dn=25mm	buc	2.00	14.80	29.60
			material:	14.80	29.6
			manopera:	0.00	0.0
			utilaj:	0.00	0.00
			transport:	0.00	0.0
3.8	11804882 Racord FI 25 x 3/4	buc	1.00	15.05	15.0
			material:	15.05	15.05
			manopera:	0.00	0.0
			utilaj:	0.00	0.0
			transport:	0.00	0.00
3.9	AcA65B+ Imbinare fiting de compresiune din PEHD - VALROM cu 2 imbinari (racord/cot tip FE sau FI)...D = 25-32 x ¾"	buc	2.00	4.56	9.12
			material:	0.12	0.2
			manopera:	4.44	8.87
			utilaj:	0.00	0.00
			transport:	0.00	0.0
3.9.L	20020489 Racord <waterkit> compres.d. 25x3/4 fi	buc	2.00	15.05	30.10
3.10	IC34C1 Fitinguri din fonta maleabila pentru imbin. insurub. tevi. otel piesele fiind cu 2 insurub. pentru d=3/4 toli	buc	4.00	7.13	28.52
			material:	0.16	0.64
			manopera:	6.97	27.88
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.11	4123164 Niplu normal zincat DN 3/4 cod 45028003	buc	2.00	3.95	7.90
			material:	3.95	7.90
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.12	4113845 Reductie zincata fi-fe DN 3/4x1/2 cod 45024103	buc	2.00	3.50	7.00
			material:	3.50	7.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.13	IC34B1 Fitinguri din fonta maleabila pentru imbin. insurub. tevi. otel piesele fiind cu 2 insurub. pentru d=1/2 toli	buc	1.00	5.19	5.19
			material:	0.12	0.12
			manopera:	5.07	5.07
			utilaj:	0.00	0.00
			transport:	0.00	0.00

STADIUL FIZIC: BRANSAMENT APA_(1 buc.)

0	1	2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT TAUTI					
STADIUL FIZIC: BRANSAMENT APA_(1 buc.)					
3.14	**4123114** Niplu normal zincat DN 1/2 cod 45028002	**buc**	**1.00**	**3.05**	**3.05**
			material:	3.05	3.05
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.15	**IC34M1** Fitinguri din fonta maleabila pentru imbin. insurub. tevi. otel piesele fiind cu 3 insurub. pentru d=3/4 toli	**buc**	**1.00**	**13.55**	**13.55**
			material:	0.24	0.24
			manopera:	13.31	13.31
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.16	**4114614** Teu redus zincat DN 3/4x1/2x3/4 cod 45r13008	**buc**	**1.00**	**5.65**	**5.65**
			material:	5.65	5.65
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.17	**SD10B1** Robinet...trecere din am,pentru tevi plumb cu d=3/4 ,roata manevra bachelita,simbol a 83-3/4	**buc**	**2.00**	**82.10**	**164.19**
			material:	59.92	119.84
			manopera:	22.18	44.35
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.17.	4204427 Robinet de trecere cu sfera pentru apa, tip fi - fi cu D = 3/4"	buc	2.00	20.95	41.90
3.18	**SD10A1** Robinet...de trecere din alama pentru tevi de plumb,cu diametrul d=3/8 sau d=1/2 toli	**buc**	**1.00**	**51.59**	**51.59**
			material:	33.53	33.53
			manopera:	18.06	18.06
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.18.	4204422 Robinet de trecere cu sfera pentru apa, tip fi - fi cu D = 1/2"	buc	1.00	12.00	12.00
3.19	**ACE12A1** Montare contor de apa cu palete avand d 15 mm	**buc**	**1.00**	**42.81**	**42.81**
			material:	6.38	6.38
			manopera:	36.43	36.43
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.20	**20032489** APOMETRU DN15	**buc**	**1.00**	**222.20**	**222.20**
			material:	222.20	222.20
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.21	**AcD101A03+ (asim1)** Camine prefabricate din beton pentru apa, avand:d=80cm, H=130 cm, g=12cm, pentru imbinare cu garnitura	**buc**	**1.00**	**674.46**	**674.46**
			material:	645.00	645.00
			manopera:	29.46	29.46
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.22	**ACD01J1** Capac si rama STAS 2308-81 pentru camine cu piesa suport carosabil tip III a	**buc**	**1.00**	**882.14**	**882.14**
			material:	812.44	812.44
			manopera:	69.70	69.70
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.23	**ACE07A1** Spalarea si desinfectarea conductelor de alimentare cu apa avand dn 50	**100 m**	**0.05**	**53.90**	**2.69**
			material:	4.16	0.21
			manopera:	49.74	2.49
			utilaj:	0.00	0.00
			transport:	0.00	0.00

	procent	material	manopera	utilaj	transport	total
Total Cheltuieli directe:		**2,283.22**	**724.10**	**473.62**	**244.00**	**3,724.94**

STADIUL FIZIC: BRANSAMENT APA_(1 buc.)

0	1		2	3	4	5 = 3 x 4
Recapitulatia:	Recap 2019: CAM 2,25					
	Contributie asiguratorie pentru munca (CAM)	2.2500 %	0.00	16.29	0.00	0.00	16.2
Total Inclusiv Cheltuieli directe:			**2,283.22**	**740.39**	**473.62**	**244.00**	**3,741.2**
	Cheltuieli indirecte	8.0000 %	182.66	59.23	37.89	19.52	299.3
Total Inclusiv Cheltuieli indirecte:			**2,465.88**	**799.62**	**511.51**	**263.52**	**4,040.53**
	Profit	5.0000 %	123.29	39.98	25.58	13.18	202.0
Total Inclusiv Beneficiu:			**2,589.17**	**839.60**	**537.08**	**276.70**	**4,242.5**

OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT TAUTI

STADIUL FIZIC: BRANSAMENT APA CU REDUCTOR_(11 buc.)

1 TERASAMENTE

1.1	TSC03C1	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in depozit teren catg 3	100 mc	**0.04**	**940.00**	**37.60**
				material:	0.00	0.0
				manopera:	0.00	0.0
				utilaj:	940.00	37.60
				transport:	0.00	0.0
1.2	TSC03G1	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in autovehicule teren catg 3	100 mc	**0.09**	**1,040.00**	**93.6**
				material:	0.00	0.00
				manopera:	0.00	0.0
				utilaj:	1,040.00	93.6
				transport:	0.00	0.00
1.3	TSA04G1	Sapatura manuala de pamant in spatii limitate,avand sub 1 m latime si maximum 4.50 m adancime,executata cu sprijiniri,cu evacuare manuala,la fundatii,canale,drumuri etc...in pamant cu umiditate naturala adancimea sapaturii 1,5-3 teren foarte tare	mc	**1.40**	**173.97**	**243.56**
				material:	1.63	2.2
				manopera:	172.34	241.27
				utilaj:	0.00	0.00
				transport:	0.00	0.0
1.4	TRA01A05P	Transportul rutier al...pamantului sau molozului cu autobasculanta dist.= 5 km	tona	**16.20**	**10.00**	**162.01**
				material:	0.00	0.0
				manopera:	0.00	0.01
				utilaj:	0.00	0.00
				transport:	10.00	162.0

2 REFACERI

2.1	DA06A2	Strat de agregate naturale cilindrate (nisip), avand functia de rezidenta filtranta, izolatoare, antigeliva si anticapilara, cu asternere manuala;	mc	**1.14**	**128.50**	**146.50**
				material:	82.35	93.87
				manopera:	36.75	41.89
				utilaj:	9.41	10.73
				transport:	0.00	0.00
2.2	TRA01A40	Transportul rutier al...materialelor,semifabricatelor cu autobasculanta pe dist.= 40 km.	tona	**2.05**	**40.00**	**82.00**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	40.00	82.00
2.3	TRB01B11	Transportul materialelor cu roaba pe pneuri inc aruncare desc aruncare grupa...1-3 distanta 10m	tona	**0.50**	**22.49**	**11.25**
				material:	0.00	0.00
				manopera:	22.49	11.25
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.4	TSD02C1	Imprastierea pamantului afanat provenit din teren categoria 1 sau 2,executata cu buldozer pe tractor cu senile de 65-80 CP,in straturi cu grosimea de:...31-50 cm	100 mc	**0.05**	**188.00**	**10.15**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	188.00	10.15
				transport:	0.00	0.00

STADIUL FIZIC: BRANSAMENT APA CU REDUCTOR_(11 buc.)

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT TAUTI						
STADIUL FIZIC: BRANSAMENT APA CU REDUCTOR_(11 buc.)						
2.5	TSD06A1	Compactarea cu placa vibratoare a umpluturilor in straturi de 20-30 cm grosime,exclusiv udarea fiecarui strat in parte,umpluturile executandu-se din pamant necoeziv,compactat cu:...placa vibratoare de 0.7 t	100 mc	**0.05**	**286.39**	**15.47**
				material:	0.00	0.00
				manopera:	139.39	7.53
				utilaj:	147.00	7.94
				transport:	0.00	0.00
3	**INSTALATII**					
3.1	ACA12A(+asim)	Montarea in pamant a tevilor din polietilena de presiune, de inalta densitatae, densitate alimentarilor cu apa, asamblate prin metoda de sudare manuala, cu manson de polietilena, cu flanse, conform normativului I-6-PE, avand diametrul de: 20-25mm	m	**5.00**	**9.80**	**48.98**
				material:	2.66	13.30
				manopera:	6.34	31.68
				utilaj:	0.80	4.00
				transport:	0.00	0.00
3.1.L	6701146	Teava HDPE 80 312uni7611.7615 pn10 DN 25x2.3 cod 64000109	m	5.10	2.10	10.71
3.2	W2H05A-1% (asim)	Montat banda avertizoare	m	**5.10**	**1.83**	**9.35**
				material:	0.57	2.89
				manopera:	1.27	6.46
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.3	EB01A1 (asim)	Montat conductor insotitor din cupru	m	**5.10**	**1.95**	**9.96**
				material:	1.00	5.11
				manopera:	0.95	4.85
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.4	AcA62D+	Sudura prin electrofuziune sa/teu bransament electrosudabil cu/fara colier din PEHD - VALROM...D = 90-160 mm	buc	**1.00**	**17.01**	**17.01**
				material:	0.00	0.00
				manopera:	15.21	15.21
				utilaj:	1.80	1.80
				transport:	0.00	0.00
3.5	3330849	Teu bransament cu colier d=90x25	buc	**1.00**	**161.70**	**161.70**
				material:	161.70	161.70
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.6	AcA54A+ (ASIM)	Sudura cap la cap fiting din PEHD PE100 SDR 17 cu 2 imbinari D = 20 - 50 mm	buc	**3.00**	**138.72**	**416.15**
				material:	0.00	0.00
				manopera:	36.12	108.35
				utilaj:	102.60	307.80
				transport:	0.00	0.00
3.7	20010127	Mufa electrosudabila pehd dn=25mm	buc	**2.00**	**14.80**	**29.60**
				material:	14.80	29.60
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.8	11804882	Racord FI 25 x 3/4	buc	**1.00**	**15.05**	**15.05**
				material:	15.05	15.05
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.9	AcA65B+	Imbinare fiting de compresiune din PEHD - VALROM cu 2 imbinari (racord/cot tip FE sau FI)...D = 25-32 x ¾"	buc	**2.00**	**4.56**	**9.12**
				material:	0.12	0.25
				manopera:	4.44	8.87
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.9.L	20020489	Racord <waterkit> compres.d. 25x3/4 fi	buc	2.00	15.05	30.10

STADIUL FIZIC: BRANSAMENT APA CU REDUCTOR_(11 buc.)

0	1	2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT TAUTI					
STADIUL FIZIC: BRANSAMENT APA CU REDUCTOR_(11 buc.)					
3.10	IC34C1	Fitinguri din fonta maleabila pentru imbin. insurub. tevi. otel piesele fiind cu 2 insurub. pentru d=3/4 toli	buc	**4.00**	**7.13**	**28.5**
				material:	0.16	0.64
				manopera:	6.97	27.8
				utilaj:	0.00	0.0
				transport:	0.00	0.00
3.11	4123164	Niplu normal zincat DN 3/4 cod 45028003	buc	**2.00**	**3.95**	**7.9**
				material:	3.95	7.9
				manopera:	0.00	0.00
				utilaj:	0.00	0.0
				transport:	0.00	0.0
3.12	4113845	Reductie zincata fi-fe DN 3/4x1/2 cod 45024103	buc	**2.00**	**3.50**	**7.00**
				material:	3.50	7.00
				manopera:	0.00	0.0
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.13	IC34B1	Fitinguri din fonta maleabila pentru imbin. insurub. tevi. otel piesele fiind cu 2 insurub. pentru d=1/2 toli	buc	**2.00**	**5.19**	**10.3**
				material:	0.12	0.24
				manopera:	5.07	10.14
				utilaj:	0.00	0.0
				transport:	0.00	0.0
3.14	4123114	Niplu normal zincat DN 1/2 cod 45028002	buc	**2.00**	**3.05**	**6.10**
				material:	3.05	6.1
				manopera:	0.00	0.0
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.15	SD10B1	Robinet...trecere din am,pentru tevi plumb cu d=3/4 ,roata manevra bachelita,simbol a 83-3/4	buc	**2.00**	**82.10**	**164.1**
				material:	59.92	119.84
				manopera:	22.18	44.35
				utilaj:	0.00	0.0
				transport:	0.00	0.00
3.15.	4204427	Robinet de trecere cu sfera pentru apa, tip fi - fi cu D = 3/4"	buc	2.00	20.95	41.90
3.16	ACE12A1 (asim)	Montare reductor de presiune avand d 1/2"	buc	**2.00**	**42.81**	**85.62**
				material:	6.38	12.76
				manopera:	36.43	72.86
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.17	4625586	Reductor de presiune 1/2	buc	**1.00**	**183.15**	**183.15**
				material:	183.15	183.15
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.18	2806230	Filtru de apa pentru impuritati y 1/2	buc	**1.00**	**13.20**	**13.20**
				material:	13.20	13.20
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.19	ACE12A1	Montare contor de apa cu palete avand d 15 mm	buc	**1.00**	**42.81**	**42.81**
				material:	6.38	6.38
				manopera:	36.43	36.43
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: BRANSAMENT APA CU REDUCTOR_(11 buc.)							
0	1			2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT TAUTI							
STADIUL FIZIC: BRANSAMENT APA CU REDUCTOR_(11 buc.)							
3.20	20032489	APOMETRU DN15		buc	**1.00**	**222.20**	**222.20**
					material:	222.20	222.20
					manopera:	0.00	0.00
					utilaj:	0.00	0.00
					transport:	0.00	0.00
3.21	AcD101A03+ (asim1)	Camine prefabricate din beton pentru apa, avand:d=80cm, H=130 cm, g=12cm, pentru imbinare cu garnitura		buc	**1.00**	**674.46**	**674.46**
					material:	645.00	645.00
					manopera:	29.46	29.46
					utilaj:	0.00	0.00
					transport:	0.00	0.00
3.22	ACD01J1	Capac si rama STAS 2308-81 pentru camine cu piesa suport carosabil tip III a		buc	**1.00**	**882.14**	**882.14**
					material:	812.44	812.44
					manopera:	69.70	69.70
					utilaj:	0.00	0.00
					transport:	0.00	0.00
3.23	ACE07A1	Spalarea si desinfectarea conductelor de alimentare cu apa avand dn 50		100 m	**0.05**	**53.90**	**2.69**
					material:	4.16	0.21
					manopera:	49.74	2.49
					utilaj:	0.00	0.00
					transport:	0.00	0.00

	procent	material	manopera	utilaj	transport	total
Total Cheltuieli directe:		**2,443.82**	**770.67**	**473.62**	**244.00**	**3,932.11**
Recapitulatia:	Recap 2019: CAM 2,25					
Contributie asiguratorie pentru munca (CAM)	2.2500 %	0.00	17.34	0.00	0.00	17.34
Total Inclusiv Cheltuieli directe:		**2,443.82**	**788.01**	**473.62**	**244.00**	**3,949.45**
Cheltuieli indirecte	8.0000 %	195.51	63.04	37.89	19.52	315.96
Total Inclusiv Cheltuieli indirecte:		**2,639.33**	**851.05**	**511.51**	**263.52**	**4,265.40**
Profit	5.0000 %	131.97	42.55	25.58	13.18	213.27
Total Inclusiv Beneficiu:		**2,771.29**	**893.60**	**537.08**	**276.70**	**4,478.67**

Cheltuieli directe:	1,025,510.19	653,339.41	435,012.58	281,189.04	**2,395,051.22**
Recapitulatie:	137,418.37	104,217.44	58,291.69	37,679.33	**337,606.82**
TOTAL GENERAL (faraTVA):	1,162,928.55	757,556.85	493,304.26	318,868.37	**2,732,658.04**
TVA:	220,956.43	143,935.80	93,727.81	60,584.99	**519,205.03**
TOTAL GENERAL:	1,383,884.98	901,492.65	587,032.07	379,453.36	**3,251,863.07**

Proiectant,

Ofertant,

OBIECTIV: EXTINDERE RETEA APA POTABILA IN LOCALITATIILE METES SI TAUTI (var. II)
Beneficiar: COMUNA METES
Proiectant: S.C. APA CTTA S.A. ALBA

F3cp - LISTA cu cantitati de lucrari pe categorii de lucrari

- lei -

05.10.2021

Nr.	Capitolul de lucrari	U.M.	Cantitatea	SECTIUNEA TEHNICA	SECTIUNEA FINANCIARA: Pretul unitar (exclusiv TVA) -lei-	SECTIUNEA FINANCIARA: TOTALUL (exclusiv TVA) -lei-
0	1	2	3		4	5 = 3 x 4
OBIECTUL: STATIE DE POMPARE SAT METES						
STADIUL FIZIC: IMPREJMUIRE ZONA						
1	TSA01D1 Sapatura manuala de pamant in spatii inchise la deblee,in canale deschise,in gropi de imprumut la indepartarea stratului vegetal de 10-30 cm grosime etc....in pamant cu umiditate natuala aruncarea in depozit sau vehicul la H<0.6 teren foarte tare	mc	3.30		72.86	240.45
				material:	0.00	0.00
				manopera:	72.86	240.45
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2	CA02C1 Turnarea betonului armat in elementele constructiilor, exclusiv cele executate in cofraje glisante în fundatii continue, radiere si pereti cu grosime până la 30 cm inclusiv;	mc	1.65		123.85	204.35
				material:	0.40	0.66
				manopera:	115.95	191.32
				utilaj:	7.50	12.38
				transport:	0.00	0.00
2.L	2100945 BETON DE CIMENT B 150 STAS 3622	MC	1.66		300.00	498.96
3	CA02C1 Turnarea betonului armat in elementele constructiilor, exclusiv cele executate in cofraje glisante în fundatii continue, radiere si pereti cu grosime până la 30 cm inclusiv;	mc	1.60		123.85	198.16
				material:	0.40	0.64
				manopera:	115.95	185.52
				utilaj:	7.50	12.00
				transport:	0.00	0.00
3.L	2100957 Beton de ciment B 200 stas 3622	mc	1.61		315.00	508.03
4	TRA06A40 Transportul rutier al betonului-mortarului cu autobetoniera de...5,5 mc dist.=40 km	tona	8.00		48.00	384.00
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	48.00	384.00
5	CB01A1 Cofraje pentru beton in cuzineti, fundatii pahar si fundatii de utilaje simple cu forme regulate din panouri refolosibile cu astereala din scinduri de rasinoase, cu astereala din scânduri de rasinoase scurte si subscurte inclusiv sprijinirile	mp	45.00		43.07	1,938.22
				material:	6.01	270.27
				manopera:	37.07	1,667.95
				utilaj:	0.00	0.00
				transport:	0.00	0.00
6	CL21A1 Confectii metalice diverse înglobate total sau partial in beton din profile laminate, tabla, tabla striata, otel beton, tevi pentru sustineri sau acoperiri	kg	100.00		4.62	461.84
				material:	0.50	50.00
				manopera:	4.12	411.84
				utilaj:	0.00	0.00
				transport:	0.00	0.00
6.L	3100022 Teava rectangulara sudata calitatea II 70x70x3	m	28.00		44.47	1,245.16
7	CO08B1 Împrejmuiri din sârma ghimpata, fixata pe bulumaci din lemn rotund de foioase plantati la 3 m distanta, cu 4 rânduri de sârma ;	m	66.00		18.88	1,246.24
				material:	5.26	347.16
				manopera:	13.62	899.08
				utilaj:	0.00	0.00
				transport:	0.00	0.00
8	CL20C1 Confectii metalice diverse, montate aparent diverse exclusiv parapeti,balustrazi,chepenguri	kg	300.00		3.35	1,005.36
				material:	0.50	150.00
				manopera:	2.85	855.36
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: IMPREJMUIRE ZONA

0	1		2	3	4	5 = 3 x 4
OBIECTUL: STATIE DE POMPARE SAT METES						
	STADIUL FIZIC: IMPREJMUIRE ZONA					
9	**2930621**	Poarta acces pietonal si auto 3*1.8 m	**buc**	**1.00**	**1,600.00**	**1,600.00**
				material:	1,600.00	1,600.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
10	**CZ0302B1**	Confectionarea armaturilor din otel beton pentru beton armat în elemente de constructii turnate în cofraje, exclusiv cele executate în cofraje glisante fasonarea barelor pentru pereti, grinzi, stâlpi si diafragme la constructii obisnuite, în ateliere centralizate, OB 37 D= 10 - 16 mm	**kg**	**50.62**	**9.92**	**502.05**
				material:	9.09	460.14
				manopera:	0.70	35.28
				utilaj:	0.13	6.63
				transport:	0.00	0.00
11	**CZ0302K1**	Confectionarea armaturilor din otel beton pentru beton armat în elemente de constructii turnate în cofraje, exclusiv cele executate în cofraje glisante fasonarea barelor pentru pereti, grinzi, stâlpi si diafragme la constructii obisnuite, în ateliere de santier, PC 52 D = 10 - 16 m	**kg**	**65.15**	**9.99**	**650.87**
				material:	9.14	595.15
				manopera:	0.86	55.73
				utilaj:	0.00	0.00
				transport:	0.00	0.00
12	**CC02B1**	Montarea armaturilor din otel-beton în elemente de constructii, exclusiv cele din constructiile executate în cofraje glisante la constructii executate la o înaltime pâna la 35 m inclusiv, din bare fasonate având diametrul de 10 si 12 mm, în pereti si diafragme cu distantier din plastic	**kg**	**200.00**	**1.54**	**307.78**
				material:	0.24	48.00
				manopera:	1.30	259.78
				utilaj:	0.00	0.00
				transport:	0.00	0.00
13	**CO07B1**	Împrejmuiri din sârma, fixata pe stâlpi metalici cu panouri de gard din rama de otel rotund 0 16, mm si împletitura din sârma de otel zincata D= 2 mm cu ochiuri patrate de 16x16 mm, cu înaltimea la coama de 2,05 m	**m**	**20.00**	**94.90**	**1,897.99**
				material:	56.25	1,125.00
				manopera:	38.65	772.99
				utilaj:	0.00	0.00
				transport:	0.00	0.00
14	**11850246**	Panou de gard bordurat zincat 2000 x 2000	**buc**	**10.00**	**103.44**	**1,034.40**
				material:	103.44	1,034.40
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
15	**TRA02A40**	Transportul rutier al materialelor,semifabricatelor cu autocamionul pe dist.= ...40 km.	**tona**	**2.00**	**40.00**	**80.00**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	40.00	80.00

	procent	material	manopera	utilaj	transport	total
Total Cheltuieli directe:		**7,933.57**	**5,575.29**	**31.01**	**464.00**	**14,003.87**
Recapitulatia:	Recap 2019: CAM 2,25					
Contributie asiguratorie pentru munca (CAM)	2.2500 %	0.00	125.44	0.00	0.00	125.44
Total Inclusiv Cheltuieli directe:		**7,933.57**	**5,700.73**	**31.01**	**464.00**	**14,129.31**
Cheltuieli indirecte	8.0000 %	634.69	456.06	2.48	37.12	1,130.34
Total Inclusiv Cheltuieli indirecte:		**8,568.26**	**6,156.79**	**33.49**	**501.12**	**15,259.65**
Profit	5.0000 %	428.41	307.84	1.67	25.06	762.98
Total Inclusiv Beneficiu:		**8,996.67**	**6,464.63**	**35.16**	**526.18**	**16,022.64**

OBIECTUL: STATIE DE POMPARE SAT METES

STADIUL FIZIC: FUNDATIE CONTAINER

STADIUL FIZIC: FUNDATIE CONTAINER

0	1		2	3	4	5 = 3 x 4
OBIECTUL: STATIE DE POMPARE SAT METES						
	STADIUL FIZIC: FUNDATIE CONTAINER					
1	TSA01D2	Sapatura manuala de pamant in spatii inchise la deblee,in canale deschise,in gropi de imprumut la indepartarea stratului vegetal de 10-30 cm grosime etc....in pamant imbibat cu apa aruncarea in depozit sau vehicul la H<0.6 m teren foarte tare	mc	5.60	109.30	612.06
				material:	0.00	0.00
				manopera:	109.30	612.06
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2	ACE08E1	Umplutura in sant la cond. de alim. cu apa si canalizare cu balast	mc	2.10	76.13	159.87
				material:	49.20	103.32
				manopera:	26.93	56.55
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3	CA02C1	Turnarea betonului armat in elementele constructiilor, exclusiv cele executate in cofraje glisante în fundatii continue, radiere si pereti cu grosime până la 30 cm inclusiv;	mc	1.40	123.85	173.39
				material:	0.40	0.56
				manopera:	115.95	162.33
				utilaj:	7.50	10.50
				transport:	0.00	0.00
3.L	2100945	Beton de ciment B 150 stas 3622	mc	1.41	300.00	423.36
4	CZ0301K1	Confectionarea armaturilor din otel beton pentru beton armat în fundatii fasonarea barelor pentru fundatii izolate, (inclusiv fundatii pahar), continui si radiere, în ateliere de santier, PC 52, D = 10-16 mm;	kg	233.10	10.05	2,343.52
				material:	9.14	2,129.37
				manopera:	0.92	214.15
				utilaj:	0.00	0.00
				transport:	0.00	0.00
5	CC01C1	Montarea armaturilor din otel-beton in fundatii continue si radiere (placi), distantier din mase plastice	kg	233.10	0.77	179.51
				material:	0.14	31.82
				manopera:	0.63	147.69
				utilaj:	0.00	0.00
				transport:	0.00	0.00
6	CB01A1	Cofraje pentru beton in cuzineti, fundatii pahar si fundatii de utilaje simple cu forme regulate din panouri refolosibile cu astereala din scinduri de rasinoase, cu astereala din scânduri de rasinoase scurte si subscurte inclusiv sprijinirile	mp	3.75	42.39	158.98
				material:	5.33	19.98
				manopera:	37.07	139.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
7	CA02C1	Turnarea betonului armat in elementele constructiilor, exclusiv cele executate in cofraje glisante în fundatii continue, radiere si pereti cu grosime până la 30 cm inclusiv;	mc	3.50	123.85	433.48
				material:	0.40	1.41
				manopera:	115.95	405.82
				utilaj:	7.50	26.25
				transport:	0.00	0.00
7.L	2100971	Beton de ciment B 300 stas 3622	mc	3.53	345.00	1,217.16
	TRA06A40	Transportul rutier al betonului-mortarului cu autobetoniera de...5,5 mc dist.=40 km	tona	11.86	48.00	569.28
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	48.00	569.28
	TRA01A40	Transportul rutier al...materialelor,semifabricatelor cu autobasculanta pe dist.= 40 km.	tona	3.78	40.00	151.20
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	40.00	151.20
10	TRA01A05P	Transportul rutier al...pamantului sau molozului cu autobasculanta dist.= 5 km	tona	10.08	10.00	100.80
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	10.00	100.80

STADIUL FIZIC: FUNDATIE CONTAINER

0	1	2	3	4	5 = 3 x 4
OBIECTUL: STATIE DE POMPARE SAT METES					
STADIUL FIZIC: FUNDATIE CONTAINER					
	TRA02A40 Transportul rutier al materialelor,semifabricatelor cu autocamionul pe dist.= ...40 km.	tona	**0.50**	**40.00**	**20.00**
			material:	0.00	0.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	40.00	20.00
12	MDTA4624A1 Montarea...completa utilaj-65121003-macara pe pneuri de 0,15-0,199 mn(15-19,9tf)	buc	**1.00**	**0.81**	**0.81**
			material:	0.00	0.00
			manopera:	0.00	0.00
			utilaj:	0.81	0.81
			transport:	0.00	0.00
13	MDTB4624A1 Demontarea...completa utilaj-65121003-macara pe pneuri de 0,15-0,199 mn(15-19,9tf)	buc	**1.00**	**0.47**	**0.47**
			material:	0.00	0.00
			manopera:	0.00	0.00
			utilaj:	0.47	0.47
			transport:	0.00	0.00
14	MDTC4624010 Transport utilaj...10 km-65121003-macara pe pneuri de 0,15-0,199 mn(15-19,9tf)	buc	**1.00**	**0.19**	**0.19**
			material:	0.00	0.00
			manopera:	0.00	0.00
			utilaj:	0.19	0.19
			transport:	0.00	0.00
15	MDTC4624025 Transport utilaj...25 km-65121003-macara pe pneuri de 0,15-0,199 mn(15-19,9tf)	buc	**1.00**	**0.42**	**0.42**
			material:	0.00	0.00
			manopera:	0.00	0.00
			utilaj:	0.42	0.42
			transport:	0.00	0.00
16	AUT6754 Automacara 15- 19,9 tf cu brat cu zabrele	ora	**5.00**	**250.00**	**1,250.00**
			material:	0.00	0.00
			manopera:	0.00	0.00
			utilaj:	250.00	1,250.00
			transport:	0.00	0.00
17	CL22A1 Piese metalice gata confectionate înglobate în beton la turnare, pentru trecerea conductelor prin peretii rezervoarelor izolate cu franghie gudronata	kg	**50.00**	**7.01**	**350.69**
			material:	2.26	113.09
			manopera:	4.75	237.60
			utilaj:	0.00	0.00
			transport:	0.00	0.00
17.L	6311607 Piesa metal.de trecere etansa prin zid A conduct.	kg	50.00	6.13	306.50

	procent	material	manopera	utilaj	transport	total
Total Cheltuieli directe:		**4,346.57**	**1,975.20**	**1,288.63**	**841.28**	**8,451.68**
Recapitulatia:	Recap 2019: CAM 2,25					
Contributie asiguratorie pentru munca (CAM)	2.2500 %	0.00	44.44	0.00	0.00	44.44
Total Inclusiv Cheltuieli directe:		**4,346.57**	**2,019.64**	**1,288.63**	**841.28**	**8,496.12**
Cheltuieli indirecte	8.0000 %	347.73	161.57	103.09	67.30	679.69
Total Inclusiv Cheltuieli indirecte:		**4,694.29**	**2,181.21**	**1,391.72**	**908.58**	**9,175.81**
Profit	5.0000 %	234.71	109.06	69.59	45.43	458.79
Total Inclusiv Beneficiu:		**4,929.01**	**2,290.27**	**1,461.31**	**954.01**	**9,634.60**

OBIECTUL: STATIE DE POMPARE SAT METES

STADIUL FIZIC: MONTAJ UTILAJE

1	M1B10A1	Electropompe, pompe vid, centrifuge supercentrifuge livrate asamblate...0,2-0,5 t.	tona	**0.30**	**2,999.51**	**899.85**
				material:	219.71	65.91
				manopera:	2,494.80	748.44
				utilaj:	285.00	85.50
				transport:	0.00	0.00

STADIUL FIZIC: MONTAJ UTILAJE

0	1		2	3	4	5 = 3 x 4
OBIECTUL: STATIE DE POMPARE SAT METES						
	STADIUL FIZIC: MONTAJ UTILAJE					
2	M7C04A1	Forte de munca pentru proba de punere in funct a agregrotative cu el mot cu putere...p la 100 kw	buc	**1.00**	**1,606.18**	**1,606.18**
				material:	0.00	0.00
				manopera:	1,606.18	1,606.18
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3	M7C06A1	Energie electrica pentru...proba de punere in funct. a agreg. rotative cu motoare pina la 100 kw	kw	**50.00**	**3.58**	**179.20**
				material:	3.58	179.20
				manopera:	**0.00**	**0.00**
				utilaj:	**0.00**	**0.00**
				transport:	**0.00**	**0.00**
4	M1G39A1	Montare retelei de actionare pneumatic pe utilaje cu...racorduri de aliment. pina la 15 mm. 2 cilindri	tona	**0.20**	**5,770.33**	**1,154.07**
				material:	1,646.56	329.31
				manopera:	4,123.78	824.76
				utilaj:	0.00	0.00
				transport:	0.00	0.00
5	ATE11A	Teste si incercari: incerc si verific debitmetre diferentiale indicator	buc	**2.00**	**185.37**	**370.74**
				material:	0.00	0.00
				manopera:	148.90	297.79
				utilaj:	36.48	72.95
				transport:	0.00	0.00
6	M1A01A1	Recipiente metalice (rezervoare,vase,bazine) din otel carbon,asamblat,montate simpla...asezare< 1 t.	tona	**1.00**	**955.28**	**955.28**
				material:	180.86	180.86
				manopera:	774.42	774.42
				utilaj:	0.00	0.00
				transport:	0.00	0.00
7	MDTA4624A1	Montarea...completa utilaj-65121003-macara pe pneuri de 0,15-0,199 mn(15-19,9tf)	buc	**1.00**	**0.81**	**0.81**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.81	0.81
				transport:	0.00	0.00
8	MDTB4624A1	Demontarea...completa utilaj-65121003-macara pe pneuri de 0,15-0,199 mn(15-19,9tf)	buc	**1.00**	**0.47**	**0.47**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.47	0.47
				transport:	0.00	0.00
9	MDTC4624010	Transport utilaj...10 km-65121003-macara pe pneuri de 0,15-0,199 mn(15-19,9tf)	buc	**1.00**	**0.19**	**0.19**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.19	0.19
				transport:	0.00	0.00
10	MDTC4624025	Transport utilaj...25 km-65121003-macara pe pneuri de 0,15-0,199 mn(15-19,9tf)	buc	**1.00**	**0.42**	**0.42**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.42	0.42
				transport:	0.00	0.00
11	AUT6754	Automacara 15- 19,9 tf cu brat cu zabrele	ora	**2.00**	**250.00**	**500.00**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	250.00	500.00
				transport:	0.00	0.00

	procent	material	manopera	utilaj	transport	total
Total Cheltuieli directe:		**755.28**	**4,251.58**	**660.34**	**0.00**	**5,667.20**

STADIUL FIZIC: MONTAJ UTILAJE

0	1		2	3	4	5 = 3 x 4
Recapitulatia:	Recap 2019: CAM 2,25					
Contributie asiguratorie pentru munca (CAM)	2.2500 %	0.00	95.66	0.00	0.00	95.66
Total Inclusiv Cheltuieli directe:		**755.28**	**4,347.24**	**660.34**	**0.00**	**5,762.86**
Cheltuieli indirecte	8.0000 %	60.42	347.78	52.83	0.00	461.03
Total Inclusiv Cheltuieli indirecte:		**815.71**	**4,695.02**	**713.16**	**0.00**	**6,223.89**
Profit	5.0000 %	40.79	234.75	35.66	0.00	311.19
Total Inclusiv Beneficiu:		**856.49**	**4,929.77**	**748.82**	**0.00**	**6,535.08**

OBIECTUL: STATIE DE POMPARE SAT METES

STADIUL FIZIC: INSTALATII HIDRAULICE

1 TERASAMENTE

1.1	TSC03C1	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in depozit teren catg 3	100 mc	**0.15**	**940.00**	**141.00**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	940.00	141.00
				transport:	0.00	0.00
1.2	TSC03G1	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in autovehicule teren catg 3	100 mc	**0.05**	**1,040.00**	**52.00**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	1,040.00	52.00
				transport:	0.00	0.00
1.3	TSA04G1	Sapatura manuala de pamant in spatii limitate,avand sub 1 m latime si maximum 4.50 m adancime,executata cu sprijiniri,cu evacuare manuala,la fundatii,canale,drumuri etc...in pamant cu umiditate naturala adancimea sapaturii 1,5-3 teren foarte tare	mc	**1.00**	**173.97**	**173.97**
				material:	1.63	1.63
				manopera:	172.34	172.34
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.4	TRA01A05P	Transportul rutier al...pamantului sau molozului cu autobasculanta dist.= 5 km	tona	**9.00**	**10.00**	**90.00**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	10.00	90.00
1.5	TSF01C1	Sprijiniri de maluri,cu dulapi de fag asezati orizontal,la sapaturi executate in spatii limitate,avand latimea de pana la 1.50 m intre maluri...adancimea sapaturii de 2.01-4 m,intre dulapi 0.21-20 m	mp	**9.00**	**22.03**	**198.28**
				material:	3.66	32.91
				manopera:	18.37	165.37
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.6	TSA24A1	Epuizarea mecanica a apelor din sapaturi,in teren cu infiltratii puternice de apa,executate cu:...motopompa de apa 6.6-12 Kw (9-16 CP)	ora	**1.00**	**72.00**	**72.00**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	72.00	72.00
				transport:	0.00	0.00
1.7	ACE06A1	Sustineri din lemn pentru cabluri si conducte intilnite in sapatura : grele	m	**2.00**	**57.93**	**115.85**
				material:	32.90	65.80
				manopera:	25.03	50.05
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.8	ACE16A1	Montarea parapetelor si podetelor metalice de inventar la santuri pentru conducte	m	**4.00**	**5.07**	**20.27**
				material:	0.00	0.00
				manopera:	5.07	20.27
				utilaj:	0.00	0.00
				transport:	0.00	0.00

2 REFACERI

STADIUL FIZIC: INSTALATII HIDRAULICE

0	1	2	3	4	5 = 3 x 4
OBIECTUL: STATIE DE POMPARE SAT METES					
STADIUL FIZIC: INSTALATII HIDRAULICE					
2.1	DA06A2 Strat de agregate naturale cilindrate (nisip), avand functia de rezidenta filtranta, izolatoare, antigeliva si anticapilara, cu asternere manuala;	mc	**5.00**	**128.50**	**642.52**
			material:	82.35	411.73
			manopera:	36.75	183.74
			utilaj:	9.41	47.05
			transport:	0.00	0.00
2.2	TRA01A40 Transportul rutier al...materialelor,semifabricatelor cu autobasculanta pe dist.= 40 km.	tona	**9.00**	**40.00**	**360.00**
			material:	0.00	0.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	40.00	360.00
2.3	TRB01B11 Transportul materialelor cu roaba pe pneuri inc aruncare desc aruncare grupa...1-3 distanta 10m	tona	**2.00**	**22.49**	**44.98**
			material:	0.00	0.00
			manopera:	22.49	44.98
			utilaj:	0.00	0.00
			transport:	0.00	0.00
2.4	TSD02C1 Imprastierea pamantului afanat provenit din teren categoria 1 sau 2,executata cu buldozer pe tractor cu senile de 65-80 CP,in straturi cu grosimea de:...31-50 cm	100 mc	**0.16**	**188.00**	**30.08**
			material:	0.00	0.00
			manopera:	0.00	0.00
			utilaj:	188.00	30.08
			transport:	0.00	0.00
2.5	TSD06A1 Compactarea cu placa vibratoare a umpluturilor in straturi de 20-30 cm grosime,exclusiv udarea fiecarui strat in parte,umpluturile executandu-se din pamant necoeziv,compactat cu:...placa vibratoare de 0.7 t	100 mc	**0.16**	**286.39**	**45.82**
			material:	0.00	0.00
			manopera:	139.39	22.30
			utilaj:	147.00	23.52
			transport:	0.00	0.00
3	**INSTALATII**				
3.1	RPAB13G1 Manevrarea (inchidere-deschidere) vane pentru izolare zone retea...manual in camin vana d= 50-200 mm	buc	**6.00**	**12.20**	**73.18**
			material:	0.00	0.00
			manopera:	12.20	73.18
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.2	RPAC18A1 Taierea in sant cu flacara oxiacetilenica a tevilor din otel avand diam....200 mm	buc	**4.00**	**22.98**	**91.93**
			material:	3.34	13.36
			manopera:	19.64	78.57
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.3	ACB08C1(ASIM) Montarea in pamant a tevilor din polietilena de presiune, de inalta densitate, densitate alimentarilor cu apa, asamblate prin sudare, avand diametrul de 90-110mm	m	**20.00**	**10.10**	**201.92**
			material:	2.76	55.20
			manopera:	6.34	126.72
			utilaj:	1.00	20.00
			transport:	0.00	0.00
3.3.L	6701126 Teava HDPE 80 312uni7611.7615 pn6 DN 63x3.6 cod 64000089	m	20.30	9.35	189.81
3.4	W2H05A-1% (asim) Montat banda avertizoare	m	**20.30**	**1.83**	**37.22**
			material:	0.57	11.50
			manopera:	1.27	25.72
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.5	EB01A1 (asim) Montat conductor insotitor din cupru	m	**20.30**	**1.95**	**39.63**
			material:	1.00	20.34
			manopera:	0.95	19.29
			utilaj:	0.00	0.00
			transport:	0.00	0.00

STADIUL FIZIC: INSTALATII HIDRAULICE

0	1		2	3	4	5 = 3 x 4
OBIECTUL: STATIE DE POMPARE SAT METES						
	STADIUL FIZIC: INSTALATII HIDRAULICE					
3.6	AcE09D1 [ASIM3]	Sudura prin electrofuziune teu electrosudabil din PEHD D = 63-110mm	buc	**1.00**	**80.40**	**80.40**
				material:	12.03	12.03
				manopera:	27.88	27.88
				utilaj:	40.50	40.50
				transport:	0.00	0.00
3.6.L	20013690	Teu redus PE 100110/63 SDR11	buc	1.00	171.80	171.80
3.7	AcE09D1 [1]	Sudura prin electrofuziune mufa/cot electrosudabil din PEHD D = 90-110mm	buc	**2.00**	**58.54**	**117.07**
				material:	3.66	7.32
				manopera:	27.88	55.76
				utilaj:	27.00	54.00
				transport:	0.00	0.00
3.7.L	20020228	Mufa electrosudabila <safekit> pehd d.110	buc	2.00	52.25	104.50
3.8	AcE09D1 [1]	Sudura prin electrofuziune mufa/cot electrosudabil din PEHD D = 90-110mm	buc	**6.00**	**56.64**	**339.81**
				material:	1.76	10.54
				manopera:	27.88	167.27
				utilaj:	27.00	162.00
				transport:	0.00	0.00
3.8.L	20020225	Mufa electrosudabila <safekit> pehd d. 63	buc	6.00	25.10	150.60
3.9	AcE09D1 [1]	Sudura prin electrofuziune mufa/cot electrosudabil din PEHD D = 90-110mm	buc	**8.00**	**58.03**	**464.26**
				material:	3.15	25.23
				manopera:	27.88	223.03
				utilaj:	27.00	216.00
				transport:	0.00	0.00
3.9.L	20020205	Cot 45°electrosudabil d. 63	buc	8.00	45.05	360.40
3.10	AcE09B1 [ASIM2]	Sudura prin electrofuziune capat flansa din PEHD D = 63 mm	buc	**1.00**	**20.45**	**20.45**
				material:	2.49	2.49
				manopera:	16.16	16.16
				utilaj:	1.80	1.80
				transport:	0.00	0.00
3.10.	20019607	Capat flansa apa/gaz pe100 d. 63 sdr11	buc	1.00	24.90	24.90
3.11	ACB10A1	Flansa din otel rotunda montata prin sudura electr. avand dn = 50	buc	**1.00**	**30.65**	**30.65**
				material:	4.06	4.06
				manopera:	14.89	14.89
				utilaj:	11.70	11.70
				transport:	0.00	0.00
3.11.	4318823	Flansa libera otel pentru cond pehd pn10 dn63 cod66402005	buc	1.00	42.75	42.75
3.12	ACB05B1	Imbinare cu flanse piese leg. flanse armaturi si contoare cu dn 80 mm si pn 2,5;6 at.	buc	**1.00**	**28.19**	**28.19**
				material:	0.00	0.00
				manopera:	28.19	28.19
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.12.	6607575	Garnitura de etansare ans plan pn6/2,5 D = 80 M 100-500 g2x4 s1733	buc	1.01	11.60	11.72
3.12.	5801916	Surub cap hexagonal precis M 16 x 80 gr. 5.8 s4272	buc	4.00	15.35	61.40
3.12.	5843146	Piulita hexagonala speciala s 4071 OL 37 M 16	buc	4.00	1.10	4.40
4	**PROBE**					
4.1	ACE07B1	Spalarea si desinfectarea conductelor de alimentare cu apa avand dn 80	100 m	**0.20**	**60.28**	**12.06**
				material:	10.55	2.11
				manopera:	49.74	9.95
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: INSTALATII HIDRAULICE

0	1		2	3	4	5 = 3 x 4
OBIECTUL: STATIE DE POMPARE SAT METES						
STADIUL FIZIC: INSTALATII HIDRAULICE						
4.2	**ACB13A1**	Inchidere capete conducta otel pentru proba presiune avand dn 50	**buc**	**2.00**	**266.44**	**532.88**
				material:	1.30	2.61
				manopera:	253.44	506.88
				utilaj:	11.70	23.40
				transport:	0.00	0.00
4.2.L	3109558	Teava pentru constructii fara sudura LC 89 x 8 / OLT 35 s 404/2	m	1.00	42.08	42.08

	procent	material	manopera	utilaj	transport	total
Total Cheltuieli directe:		**1,843.20**	**2,032.55**	**895.05**	**450.00**	**5,220.80**
Recapitulatia:	Recap 2019: CAM 2,25					
Contributie asiguratorie pentru munca (CAM)	2.2500 %	0.00	45.73	0.00	0.00	45.73
Total Inclusiv Cheltuieli directe:		**1,843.20**	**2,078.29**	**895.05**	**450.00**	**5,266.54**
Cheltuieli indirecte	8.0000 %	147.46	166.26	71.60	36.00	421.32
Total Inclusiv Cheltuieli indirecte:		**1,990.65**	**2,244.55**	**966.65**	**486.00**	**5,687.86**
Profit	5.0000 %	99.53	112.23	48.33	24.30	284.39
Total Inclusiv Beneficiu:		**2,090.19**	**2,356.78**	**1,014.99**	**510.30**	**5,972.25**

OBIECTUL: STATIE DE POMPARE SAT METES						
STADIUL FIZIC: INSTALATII ELECTRICE						
1	**EF03A1**	Tablou electric, format panou, dulap, celula sau pupitru, având greutatea pîna la 150 kg	**buc**	**1.00**	**344.92**	**344.92**
				material:	67.40	67.40
				manopera:	277.52	277.52
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.L	7349003	Tablou distributie tip inchis c2s stas 5358-56	buc	1.00	57.22	57.22
2	**ATD29C**	Suporti, stelaje, constructii metalice jgheaburi de protectie pentru cabluri	**kg**	**10.00**	**19.69**	**196.94**
				material:	9.37	93.67
				manopera:	10.33	103.27
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3	**EA14B1**	Racord, din tub flexibil neetans sau etans, pentru protectia conductelor electrice, tubul având diametrul interior de 15 mm	**m**	**10.00**	**24.94**	**249.38**
				material:	13.85	138.50
				manopera:	11.09	110.88
				utilaj:	0.00	0.00
				transport:	0.00	0.00
4	**EA16C1**	Doza de derivatie, pentru cabluri sau tevi de instalatii, montata în mediu normal, tip NBU-PG 16	**buc**	**6.00**	**8.12**	**48.74**
				material:	0.52	3.12
				manopera:	7.60	45.62
				utilaj:	0.00	0.00
				transport:	0.00	0.00
4.L	7318987	Doza de derivatie pentru cabluri sau tevi inst.tip:nbu pg16	buc	6.00	3.48	20.88
5	**EC04A1**	Cablu pentru energie electrica, montat liber prin asezare (fara dispozitive de fixare), cablul având conducte cu sectiunea pîna la 16 mmp, montat pe fundul canalelor	**m**	**20.00**	**2.57**	**51.38**
				material:	0.03	0.70
				manopera:	2.53	50.69
				utilaj:	0.00	0.00
				transport:	0.00	0.00
5.L	4801892	Cablu energie cyy 0,6/ 1 KV 3x 1,5 U s.8778	m	20.40	2.85	58.14
6	**EC04A1**	Cablu pentru energie electrica, montat liber prin asezare (fara dispozitive de fixare), cablul având conducte cu sectiunea pîna la 16 mmp, montat pe fundul canalelor	**m**	**25.00**	**2.57**	**64.23**
				material:	0.03	0.87
				manopera:	2.53	63.36
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: INSTALATII ELECTRICE

0	1		2	3	4	5 = 3 x 4
OBIECTUL: STATIE DE POMPARE SAT METES						
STADIUL FIZIC: INSTALATII ELECTRICE						
6.L	4801907	Cablu energie cyy 0,6/ 1 KV 3x 2,5 U s.8778	m	25.50	4.02	102.51
7	EC04A1	Cablu pentru energie electrica, montat liber prin asezare (fara dispozitive de fixare), cablul având conducte cu sectiunea pîna la 16 mmp, montat pe fundul canalelor	m	10.00	2.57	25.69
				material:	0.03	0.35
				manopera:	2.53	25.34
				utilaj:	0.00	0.00
				transport:	0.00	0.00
7.L	4802080	Cablu energie cyy 0,6/ 1 KV 4x 10 U s.8778	m	10.20	20.96	213.79
8	EC04A1	Cablu pentru energie electrica, montat liber prin asezare (fara dispozitive de fixare), cablul având conducte cu sectiunea pîna la 16 mmp, montat pe fundul canalelor	m	10.00	2.57	25.69
				material:	0.03	0.35
				manopera:	2.53	25.34
				utilaj:	0.00	0.00
				transport:	0.00	0.00
8.L	4802224	Cablu energie cyy 0,6/ 1 KV 4x.35 + 16 M s.8778	m	10.20	92.77	946.25
9	EB02A1	Conducta de cupru, cu izolatie, introdusa în tuburi izolante sau de protectie de orice fel, conducta având sectiunea pîna la 4 mmp	m	10.00	1.04	10.37
				material:	0.09	0.86
				manopera:	0.95	9.50
				utilaj:	0.00	0.00
				transport:	0.00	0.00
9.L	4826880	Conductor fy 1x 1,5 s	m	10.30	2.15	22.15
10	EA02A2	Tub izolant, de protectie, etans, IPE, din policlorura de vinil neplastifiata, IPEY, montat îngropat sau aparent, având diametrul exterior de 20 mm, montat îngropat	m	5.00	16.07	80.37
				material:	2.14	10.68
				manopera:	13.94	69.70
				utilaj:	0.00	0.00
				transport:	0.00	0.00
11	EC19A1	Presetupa pentru fixarea cablurilorla electromotoare, tablouri sau aparate, având diametrul pana la 16 mm,	buc	10.00	1.27	12.67
				material:	0.00	0.00
				manopera:	1.27	12.67
				utilaj:	0.00	0.00
				transport:	0.00	0.00
11.L	5217426	Presetupa pentru fixare cabluri latablouri,aparate D = 29	buc	10.00	9.29	92.90
12	ED01G1	Intreruptor manual unipolar, constructie normala sau constructie etansa în carcasa de bachelita (antigron, etc), montat aparent pe dibluri de material plastic	buc	3.00	8.27	24.80
				material:	0.66	1.99
				manopera:	7.60	22.81
				utilaj:	0.00	0.00
				transport:	0.00	0.00
12.L	5500732	Intrerupator cumpana pentru simbol 0186 250 V 10a	buc	3.03	2.68	8.12
13	ED08G1	Priza bipolara, constructie normala, cu contact de protectie (nul), montata aparent pe dibluri de lemn	buc	4.00	9.36	37.46
				material:	0.18	0.71
				manopera:	9.19	36.75
				utilaj:	0.00	0.00
				transport:	0.00	0.00
13.L	5536157	Priza bipolara bachel.cu cont.prot.marit apar 250/10a	buc	4.04	3.17	12.81
14	ED20A1	Legarea electromotorului, la conducte de 0,55-4 kW, la conducte de aluminiu sau cupru	buc	4.00	12.35	49.39
				material:	1.58	6.31
				manopera:	10.77	43.08
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: INSTALATII ELECTRICE

0	1	2	3	4	5 = 3 x 4
OBIECTUL: STATIE DE POMPARE SAT METES					
STADIUL FIZIC: INSTALATII ELECTRICE					
15 EE12B1	Corp de iluminat, pentru lampi fluorescente tubulare neetans, montat pe dibluri de material plastic	buc	**1.00**	**19.91**	**19.91**
			material:	0.59	0.59
			manopera:	19.32	19.32
			utilaj:	0.00	0.00
			transport:	0.00	0.00
15.L 5103663	Corp il.fl.fipa -01 240 220 V 2x 40w condens.reflect	buc	1.00	103.24	103.55
16 EF09A1	Racordarea conductelor din cupru, la borne (aparate, motoare, tablouri electrice), conducta având sectiunea de pîna la 10 mmp (exclusiv)	buc	**18.00**	**2.22**	**39.92**
			material:	0.00	0.00
			manopera:	2.22	39.92
			utilaj:	0.00	0.00
			transport:	0.00	0.00
17 EG07B1	Conducta de coborîre, montata pe ziduri si cosuri de beton sau caramida, conducta fiind din banda de otel zineata, de 25x4 mm, montata aparent pe ziduri	m	**30.00**	**39.83**	**1,194.82**
			material:	20.50	615.08
			manopera:	19.32	579.74
			utilaj:	0.00	0.00
			transport:	0.00	0.00
18 EH01A1	Încercarea cablurilor de energie electrica, de maximum 1 kV	buc	**2.00**	**52.89**	**105.78**
			material:	0.00	0.00
			manopera:	24.39	48.79
			utilaj:	28.50	57.00
			transport:	0.00	0.00
19 EH02A1	Încercarea cablurilor pentru instalatii electrice de comanda, semnalizari, blocari	buc	**10.00**	**2.22**	**22.18**
			material:	0.00	0.00
			manopera:	2.22	22.18
			utilaj:	0.00	0.00
			transport:	0.00	0.00
20 EH05C1	Încercarea tablourilor de distributie, de comanda de protectie, de semnalizare, a pupitrelor de comanda si a cutiilor metalice cu cleme panouri metalice sau dulapuri metalice	buc	**2.00**	**361.12**	**722.23**
			material:	0.00	0.00
			manopera:	292.72	585.45
			utilaj:	68.39	136.79
			transport:	0.00	0.00
21 EH07A1	Energie electrica, pentru probe	kwh	**10.00**	**0.56**	**5.60**
			material:	0.56	5.60
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
22 EC02A1	Cablu pentru energie electrica, montat cu scoabe (cleme de prindere) din bachelita, direct pe zid, cablul având conducte cu sectiunea pîna la 10 mmp, pe dibluri de lemn	m	**50.00**	**21.21**	**1,060.53**
			material:	2.52	125.97
			manopera:	18.69	934.56
			utilaj:	0.00	0.00
			transport:	0.00	0.00
22.L 4802080	Cablu energie cyy 0,6/ 1 KV 4x 10 U s.8778	m	51.50	20.96	1,079.44
23 W2H04A1	Strat nisip asezat in sant pentru...protejarea cablurilor la lucr in prof netipizat	mc	**4.00**	**79.65**	**318.60**
			material:	65.20	260.82
			manopera:	14.45	57.78
			utilaj:	0.00	0.00
			transport:	0.00	0.00
24 EA10A1	Teava din policarbonat de vinil (PVC), tip usor (U), montata aparent sau îngropat, având diametrul exterior de 50 mm, montata aparent	m	**10.00**	**29.26**	**292.57**
			material:	6.76	67.64
			manopera:	22.49	224.93
			utilaj:	0.00	0.00
			transport:	0.00	0.00

STADIUL FIZIC: INSTALATII ELECTRICE

0	1		2	3	4	5 = 3 x 4
OBIECTUL: STATIE DE POMPARE SAT METES						
	STADIUL FIZIC: INSTALATII ELECTRICE					
25	W2H07A1	Profil tip...m pentru 1 cablu de 1kv strat protector cu folii din pvc	m	20.00	10.70	213.9
				material:	9.30	186.08
				manopera:	1.39	27.8
				utilaj:	0.00	0.0
				transport:	0.00	0.00
26	W2J02A1	Verificarari si incerc ret elc subt. cu cablu...nou	buc	2.00	135.99	271.98
				material:	0.00	0.0
				manopera:	51.64	103.28
				utilaj:	84.35	168.71
				transport:	0.00	0.0
27	TSA02B1	Sapatura manuala de pamant in spatii limitate,avand sub 1.00 m sau peste 1.00 m latime,executata fara sprijini,cu taluz vertical,la fundatii,canale,subsoluri,drenuri,trepte de infratire etc....in pamant necoeziv sau slab coeziv adancime ,0.75m teren mijlociu	mc	10.00	37.70	376.99
				material:	0.00	0.00
				manopera:	37.70	376.9
				utilaj:	0.00	0.00
				transport:	0.00	0.00
28	TSD01B1	Imprastierea cu lopata a pamant. afinat,strat uniform 10-30cm. gros cu sfarim. bulg. teren...teren mijlociu	mc	6.00	9.82	58.92
				material:	0.00	0.00
				manopera:	9.82	58.92
				utilaj:	0.00	0.00
				transport:	0.00	0.00
29	TSD18C1	Umlutura compactata in santuri,pentru cablurile ingropate ale liniilor electrice de inalta tensiune,executata cu pamant provenit din :...teren tare	mc	10.00	39.69	396.85
				material:	0.40	4.02
				manopera:	39.28	392.83
				utilaj:	0.00	0.00
				transport:	0.00	0.00
30	EG07A1	Conducta de coborîre, montata pe ziduri si cosuri de beton sau caramida, conducta fiind din banda de otel zineata, de 20x3 mm, montata aparent pe ziduri	m	10.00	35.49	354.88
				material:	16.16	161.63
				manopera:	19.32	193.25
				utilaj:	0.00	0.00
				transport:	0.00	0.00
31	W1R06A2	Electrod din teava de otel de doi toli si jumatatepentru legarea la pamant in teren...tare	m	12.00	68.86	826.36
				material:	32.64	391.65
				manopera:	34.23	410.71
				utilaj:	2.00	24.00
				transport:	0.00	0.00
32	EB08B1	Conducta de otel, pentru legarea la pamînt sau la nul, a receptoarelor sau aparatelor electrice, montata pe zid de caramida sau beton, conducta fiind banda de otel, laminate la cald, de 25x4 mm	m	29.00	35.00	1,014.90
				material:	13.14	380.98
				manopera:	21.86	633.92
				utilaj:	0.00	0.00
				transport:	0.00	0.00
33	W1P08A	Verificarea prizelor de pamant pentru lucrari de instalatii electrice la...constructii	buc	1.00	57.48	57.48
				material:	0.46	0.46
				manopera:	57.02	57.02
				utilaj:	0.00	0.00
				transport:	0.00	0.00
34	W2G01A09	Montare ...cablu subt. 1 kv gr. 0,451-0,600 kg/m cu-al in sant pe pat de nisip f. obst. cu tr. manuale montat	m	15.00	1.31	19.63
				material:	0.16	2.34
				manopera:	1.15	17.29
				utilaj:	0.00	0.00
				transport:	0.00	0.00
34.L	4800707	Cablu energie cyp 0,6/ 1 KV 3x 35 + 16 M nid 2405	m	15.30	105.93	1,620.71

STADIUL FIZIC: INSTALATII ELECTRICE

0	1		2	3	4	5 = 3 x 4
OBIECTUL: STATIE DE POMPARE SAT METES						
STADIUL FIZIC: INSTALATII ELECTRICE						
35	W2F05B01	Corp de...ilum. publ. tip lampadar pentru lampa cu vap. me rcur inal. pres. la sol cu nisa st. metal montat	buc	1.00	215.26	215.26
				material:	179.84	179.84
				manopera:	35.42	35.42
				utilaj:	0.00	0.00
				transport:	0.00	0.00
36	M1H14B1	Incercari si reglaje ale aparatelor electrice...controlere pentru circuite de forta si secundare	buc	2.00	60.06	120.13
				material:	0.00	0.00
				manopera:	60.06	120.13
				utilaj:	0.00	0.00
				transport:	0.00	0.00
37	ATE34A01	Verificarari automateriale programabil uc+consola+mod. memorii necon la proces nr module x n ore	buc	1.00	2,597.32	2,597.32
				material:	12.58	12.58
				manopera:	1,900.80	1,900.80
				utilaj:	683.94	683.94
				transport:	0.00	0.00
38	CL01A1	Montarea stâlpilor din otel, pentru hale industriale, livrati complet asamblati avand pana la o tona	tona	0.50	690.94	345.47
				material:	126.97	63.48
				manopera:	536.98	268.49
				utilaj:	27.00	13.50
				transport:	0.00	0.00
38.L	6309886	Confectie metalice inglobate in beton	kg	1.00	9.00	9.00

	procent	material	manopera	utilaj	transport	total
Total Cheltuieli directe:		**7,131.72**	**8,006.13**	**1,083.93**	**0.00**	**16,221.77**
Recapitulatia:	Recap 2019: CAM 2,25					
Contributie asiguratorie pentru munca (CAM)	2.2500 %	0.00	180.14	0.00	0.00	180.14
Total Inclusiv Cheltuieli directe:		**7,131.72**	**8,186.27**	**1,083.93**	**0.00**	**16,401.91**
Cheltuieli indirecte	8.0000 %	570.54	654.90	86.71	0.00	1,312.15
Total Inclusiv Cheltuieli indirecte:		**7,702.26**	**8,841.17**	**1,170.64**	**0.00**	**17,714.07**
Profit	5.0000 %	385.11	442.06	58.53	0.00	885.70
Total Inclusiv Beneficiu:		**8,087.37**	**9,283.23**	**1,229.17**	**0.00**	**18,599.77**

OBIECTUL: STATIE DE POMPARE SAT METES

STADIUL FIZIC: INSTALATII AUTOMATIZARE, SUPRAVEGHERE SI ANTIEFRACTIE

1 ECHIPAMENTE SI ACCESORII CU MONTAJ

1.1	5729645	CAMERA VIDEO HDCVI COMPACTA 2MP	buc	4.00	585.00	2,340.00
				material:	585.00	2,340.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.2	20033655	DVR HDCVI 8 CANALE 5M PENTABRID	buc	1.00	734.00	734.00
				material:	734.00	734.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.3	20033656	CONVECTOR BNC-UTP PERECHE	buc	4.00	51.00	204.00
				material:	51.00	204.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.4	20033657	HDD AV 4TB	buc	1.00	905.00	905.00
				material:	905.00	905.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: INSTALATII AUTOMATIZARE, SUPRAVEGHERE SI ANTIEFRACTIE

0	1		2	3	4	5 = 3 x 4
OBIECTUL: STATIE DE POMPARE SAT METES						
STADIUL FIZIC: INSTALATII AUTOMATIZARE, SUPRAVEGHERE SI ANTIEFRACTIE						
1.5	5720086	CENTRALA ANTIEFRACTIE 50 MODUL PE BUS	buc	**1.00**	**3,190.00**	**3,190.00**
				material:	3,190.00	3,190.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.6	20033668	ACUMULATOR .5AH/12V	buc	**1.00**	**56.00**	**56.00**
				material:	56.00	56.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.7	7345164	SIRENA DE EXTERIOR+ACU PE BUS	buc	**1.00**	**416.00**	**416.00**
				material:	416.00	416.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.8	20033658	MODUL EXTENSIE 4IN 4OUT PE BUS	buc	**1.00**	**542.00**	**542.00**
				material:	542.00	542.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.9	2947753	CAPAC CU SIRENA PVC LAMPA ROSIE	buc	**1.00**	**241.00**	**241.00**
				material:	241.00	241.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.10	7345163	SIRENA DE INTERIOR	buc	**1.00**	**180.00**	**180.00**
				material:	180.00	180.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.11	7311083	CONTACT MAGNETIC METALIC	buc	**1.00**	**48.00**	**48.00**
				material:	48.00	48.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.12	20033659	MODUL CITITOR RFID, TASTATURA CU ECRAN PE BUS	buc	**1.00**	**679.00**	**679.00**
				material:	679.00	679.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.13	20033660	TELECOMANDA 4 BUTOANE	buc	**2.00**	**252.00**	**504.00**
				material:	252.00	504.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.14	20033661	TAG RFID	buc	**2.00**	**30.00**	**60.00**
				material:	30.00	60.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.15	20033662	DETECTOR PIR PE BUS	buc	**2.00**	**158.00**	**316.00**
				material:	158.00	316.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: INSTALATII AUTOMATIZARE, SUPRAVEGHERE SI ANTIEFRACTIE

0	1		2	3	4	5 = 3 x 4
OBIECTUL: STATIE DE POMPARE SAT METES						
STADIUL FIZIC: INSTALATII AUTOMATIZARE, SUPRAVEGHERE SI ANTIEFRACTIE						
1.16	20033671	USB 1KVA+ACU 100AH	buc	**1.00**	**3,630.00**	**3,630.00**
				material:	3,630.00	3,630.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.17	2901078	DULAP METALIC MARE	buc	**1.00**	**980.00**	**980.00**
				material:	980.00	980.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.18	5214451	SIGURANTA AUTOMATA	buc	**1.00**	**45.00**	**45.00**
				material:	45.00	45.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.19	20033663	MODUL BUS DE IESIRE PE RELEU	buc	**1.00**	**338.00**	**338.00**
				material:	338.00	338.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.20	20033669	GATEWAY MODBUS ETHERNET 6AI-2AO-2DI-2DO	buc	**1.00**	**3,192.00**	**3,192.00**
				material:	3,192.00	3,192.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.21	2700229	PANOU CONTROL	buc	**1.00**	**820.00**	**820.00**
				material:	820.00	820.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.22	4113561	SISTEM DE TRANSMISIE DATE	buc	**1.00**	**3,420.00**	**3,420.00**
				material:	3,420.00	3,420.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.23	20033670	SURSA 24V 2A	buc	**1.00**	**288.00**	**288.00**
				material:	288.00	288.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.24	20033664	SURSA 12V/5A 4 IESIRI	buc	**1.00**	**255.00**	**255.00**
				material:	255.00	255.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.25	20033665	ACUMULATOR 7AH/12V	buc	**1.00**	**89.00**	**89.00**
				material:	89.00	89.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2	SOFTWARE SI LICEENTE CU MONTAJ					

STADIUL FIZIC: INSTALATII AUTOMATIZARE, SUPRAVEGHERE SI ANTIEFRACTIE

0	1		2	3	4	5 = 3 x 4
OBIECTUL: STATIE DE POMPARE SAT METES						
STADIUL FIZIC: INSTALATII AUTOMATIZARE, SUPRAVEGHERE SI ANTIEFRACTIE						
2.1	20033672	SECURITY DATA CONNECTOR	lei	1.00	340.00	340.00
				material:	340.00	340.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3	**MATERIALE SI CABLURI CU MONTAJ**					
3.1	4700013	CABLU ALARMA 4 FIRE	m	120.00	3.00	360.00
				material:	3.00	360.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.2	4700014	CABLU DATE FTP CAT5	m	160.00	4.00	640.00
				material:	4.00	640.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.3	4700015	CABLU ALIMENTARE 3*1.5	m	50.00	4.00	200.00
				material:	4.00	200.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.4	4700016	CABLU ALIMENTARE 2*0.75	m	160.00	2.00	320.00
				material:	2.00	320.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.5	5500082	DOZA CU PRESETUPE 100*100*50	buc	4.00	12.00	48.00
				material:	12.00	48.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.6	20033666	COPEX CU PERETE DUBLU DN40	m	80.00	5.00	400.00
				material:	5.00	400.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.7	20033667	MATERIALE MARUNTE	buc	1.00	820.00	820.00
				material:	820.00	820.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
4	**MANOPERA SI ALTELE CU MONTAJ**					
4.1	YB01	Diferenta pret manopera lei	lei	21,750.00	1.00	21,750.00
				material:	0.00	0.00
				manopera:	1.00	21,750.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
4.2	YC01	Diferenta pret material lei	lei	7,320.00	1.00	7,320.00
				material:	1.00	7,320.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: INSTALATII AUTOMATIZARE, SUPRAVEGHERE SI ANTIEFRACTIE

0	1	2	3	4	5 = 3 x 4
OBIECTUL: STATIE DE POMPARE SAT METES					
STADIUL FIZIC: INSTALATII AUTOMATIZARE, SUPRAVEGHERE SI ANTIEFRACTIE					
4.3 XA01A	Diferenta de pret pentru transportul auto al materialelor	lei	4,360.00	1.00	4,360.00
			material:	0.00	0.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	1.00	4,360.00

	procent	material	manopera	utilaj	transport	total
Total Cheltuieli directe:		**33,920.00**	**21,750.00**	**0.00**	**4,360.00**	**60,030.00**
Recapitulatia:	Recap 2019: CAM 2,25					
Contributie asiguratorie pentru munca (CAM)	2.2500 %	0.00	489.38	0.00	0.00	489.38
Total Inclusiv Cheltuieli directe:		**33,920.00**	**22,239.38**	**0.00**	**4,360.00**	**60,519.38**
Cheltuieli indirecte	8.0000 %	2,713.60	1,779.15	0.00	348.80	4,841.55
Total Inclusiv Cheltuieli indirecte:		**36,633.60**	**24,018.53**	**0.00**	**4,708.80**	**65,360.93**
Profit	5.0000 %	1,831.68	1,200.93	0.00	235.44	3,268.05
Total Inclusiv Beneficiu:		**38,465.28**	**25,219.45**	**0.00**	**4,944.24**	**68,628.97**

OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (DN4-DC METES DEALUL AMPOITEI-DV STANESTI COPACEL)

1 TERASAMENTE

1.1	TSC03C1	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in depozit teren catg 3	100 mc	**29.27**	**940.00**	**27,513.80**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	940.00	27,513.80
				transport:	0.00	0.00
1.2	TSC03G1	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in autovehicule teren catg 3	100 mc	**8.56**	**1,040.00**	**8,902.40**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	1,040.00	8,902.40
				transport:	0.00	0.00
1.3	TSB20A1	Sapatura in stanca cu ciocanul de abataj pneumatic,la rigole cu sectiunea triunghiulara,avand adancimea de pana la 0.35 m...roca semidura	mc	**366.90**	**294.02**	**107,876.53**
				material:	0.00	0.00
				manopera:	154.28	56,605.92
				utilaj:	139.74	51,270.61
				transport:	0.00	0.00
1.4	TSC35A1	Excavat,transport,cu incarcator frontal,la distante de :...incarcare in autovehicul cu incarcator frontal pe senile de 0.5-0.99 mc,pamant din teren categoria 1 la distanta < 10 m	100 mc	**3.67**	**618.80**	**2,271.00**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	618.80	2,271.00
				transport:	0.00	0.00
1.5	TSA04G1	Sapatura manuala de pamant in spatii limitate,avand sub 1 m latime si maximum 4.50 m adancime,executata cu sprijiniri,cu evacuare manuala,la fundatii,canale,drumuri etc...in pamant cu umiditate naturala adancimea sapaturii 1,5-3 teren foarte tare	mc	**218.00**	**173.97**	**37,925.07**
				material:	1.63	355.12
				manopera:	172.34	37,569.95
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.6	TRA01A05P	Transportul rutier al...pamantului sau molozului cu autobasculanta dist.= 5 km	tona	**2,200.00**	**10.00**	**22,000.70**
				material:	0.00	0.00
				manopera:	0.00	0.70
				utilaj:	0.00	0.00
				transport:	10.00	22,000.00
1.7	TSF01C1	Sprijiniri de maluri,cu dulapi de fag asezati orizontal,la sapaturi executate in spatii limitate,avand latimea de pana la 1.50 m intre maluri...adancimea sapaturii de 2.01-4 m,intre dulapi 0.21-20 m	mp	**2,496.00**	**22.03**	**54,990.37**
				material:	3.66	9,127.87
				manopera:	18.37	45,862.50
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (DN4-DC METES DEALUL AMPOITEI-DV STANESTI COPACEL)

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES						
	STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (DN4-DC METES DEALUL AMPOITEI-DV STANESTI COPACEL)					
1.8	TSA24A1	Epuizarea mecanica a apelor din sapaturi,in teren cu infiltratii puternice de apa,executate cu:...motopompa de apa 6.6-12 Kw (9-16 CP)	ora	70.00	72.00	5,040.00
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	72.00	5,040.00
				transport:	0.00	0.00
1.9	ACE06A1	Sustineri din lemn pentru cabluri si conducte intilnite in sapatura : grele	m	332.80	57.93	19,278.17
				material:	32.90	10,949.12
				manopera:	25.03	8,329.05
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.10	ACE16A1	Montarea parapetelor si podetelor metalice de inventar la santuri pentru conducte	m	80.00	5.07	405.48
				material:	0.00	0.00
				manopera:	5.07	405.48
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.11	CQ16B#-2	Foraj rotativ cu circulatie directa de noroi bentonitic pentru consolidari si etansari de terenuri cu diametrul de la 130 la 200 mm, netubat, exclusiv prepararea si recircularea noroiului:...teren categoria II	m	42.00	476.12	19,997.13
				material:	39.20	1,646.29
				manopera:	58.92	2,474.84
				utilaj:	378.00	15,876.00
				transport:	0.00	0.00
1.12	20014127	Teava PE 100 SDR11 PN16 D=200x18.20mm	m	42.00	141.55	5,945.10
				material:	141.55	5,945.10
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2	REFACERI					
2.1	DA06A2	Strat de agregate naturale cilindrate (nisip), avand functia de rezidenta filtranta, izolatoare, antigeliva si anticapilara, cu asternere manuala;	mc	1,223.00	128.50	157,161.05
				material:	82.35	100,708.84
				manopera:	36.75	44,943.78
				utilaj:	9.41	11,508.43
				transport:	0.00	0.00
2.2	TRA01A40	Transportul rutier al...materialelor,semifabricatelor cu autobasculanta pe dist.= 40 km.	tona	2,200.00	40.00	88,000.00
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	40.00	88,000.00
2.3	TRB01B11	Transportul materialelor cu roaba pe pneuri inc aruncare desc aruncare grupa...1-3 distanta 10m	tona	550.00	22.49	12,370.87
				material:	0.00	0.00
				manopera:	22.49	12,370.87
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.4	TSD02C1	Imprastierea pamantului afanat provenit din teren categoria 1 sau 2,executata cu buldozer pe tractor cu senile de 65-80 CP,in straturi cu grosimea de:...31-50 cm	100 mc	31.45	188.00	5,912.60
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	188.00	5,912.60
				transport:	0.00	0.00
2.5	TSD06A1	Compactarea cu placa vibratoare a umpluturilor in straturi de 20-30 cm grosime,exclusiv udarea fiecarui strat in parte,umpluturile executandu-se din pamant necoeziv,compactat cu:...placa vibratoare de 0.7 t	100 mc	31.45	286.39	9,007.03
				material:	0.00	0.00
				manopera:	139.39	4,383.88
				utilaj:	147.00	4,623.15
				transport:	0.00	0.00
3	INSTALATII					

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (DN4-DC METES DEALUL AMPOITEI-DV STANESTI COPACEL)

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES						
	STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (DN4-DC METES DEALUL AMPOITEI-DV STANESTI COPACEL)					
3.1	**RPAB13G1**	Manevrarea (inchidere-deschidere) vane pentru izolare zone retea...manual in camin vana d= 50-200 mm	**buc**	**4.00**	**12.20**	**48.79**
				material:	0.00	0.00
				manopera:	12.20	48.79
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.2	**RPAC18A1**	Taierea in sant cu flacara oxiacetilenica a tevilor din otel avand diam....200 mm	**buc**	**6.00**	**22.98**	**137.89**
				material:	3.34	20.04
				manopera:	19.64	117.85
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.3	**ACB08E1 (ASIM2)**	Montarea in pamant a tevilor din polietilena de presiune, de inalta densitatae, densitate alimentarilor cu apa, asamblate prin sudura cap la cap, conform normativului I-6-PE, avand diametrul de 110-140mm [1]	**m**	**1,900.00**	**6.17**	**11,719.20**
				material:	0.00	0.00
				manopera:	3.17	6,019.20
				utilaj:	3.00	5,700.00
				transport:	0.00	0.00
3.3.L	6701175	Teava HDPE 80 312uni7611.7615 pn16 dn125x17.3 cod 64000138	m	1,928.50	55.45	106,935.33
3.4	**ACB08E1 (ASIM2)**	Montarea in pamant a tevilor din polietilena de presiune, de inalta densitatae, densitate alimentarilor cu apa, asamblate prin sudura cap la cap, conform normativului I-6-PE, avand diametrul de 110-140mm [1]	**m**	**1,640.00**	**6.17**	**10,115.52**
				material:	0.00	0.00
				manopera:	3.17	5,195.52
				utilaj:	3.00	4,920.00
				transport:	0.00	0.00
3.4.L	6701154	Teava HDPE 80 312uni7611.7615 pn10 dn125x11.4 cod 64000117	m	1,664.60	37.60	62,588.96
3.5	**ACB08E1 (ASIM2)**	Montarea in pamant a tevilor din polietilena de presiune, de inalta densitatae, densitate alimentarilor cu apa, asamblate prin sudura cap la cap, conform normativului I-6-PE, avand diametrul de 110-140mm [1]	**m**	**580.00**	**6.17**	**3,577.44**
				material:	0.00	0.00
				manopera:	3.17	1,837.44
				utilaj:	3.00	1,740.00
				transport:	0.00	0.00
3.5.L	6701130	Teava HDPE 80 312uni7611.7615 pn6 DN 125x7.1 cod 64000093	m	588.70	35.85	21,104.90
3.6	**ACB08C1(ASIM)**	Montarea in pamant a tevilor din polietilena de presiune, de inalta densitate, densitate alimentarilor cu apa, asamblate prin sudare, avand diametrul de 90-110mm	**m**	**40.00**	**10.50**	**420.13**
				material:	3.17	126.69
				manopera:	6.34	253.44
				utilaj:	1.00	40.00
				transport:	0.00	0.00
3.6.L	6701173	Teava HDPE 80 312uni7611.7615 pn16 dn90x12.5 cod 64000136	m	40.60	29.40	1,193.64
3.7	**W2H05A-1% (asim)**	Montat banda avertizoare	**m**	**4,222.40**	**1.83**	**7,742.61**
				material:	0.57	2,391.99
				manopera:	1.27	5,350.63
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.8	**EB01A1 (asim)**	Montat conductor insotitor din cupru	**m**	**4,222.40**	**1.95**	**8,242.97**
				material:	1.00	4,230.00
				manopera:	0.95	4,012.97
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.9	**AcE09F1 [ASIM3]**	Sudura prin electrofuziune mufa/cot electrosudabil din PEHD D = 125-140 mm	**buc**	**82.00**	**60.37**	**4,950.33**
				material:	5.49	450.30
				manopera:	27.88	2,286.03
				utilaj:	27.00	2,214.00
				transport:	0.00	0.00
3.9.L	20020229	Mufa electrosudabila <safekit> pehd d.125	buc	82.00	78.45	6,432.90

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (DN4-DC METES DEALUL AMPOITEI-DV STANESTI COPACEL)

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES						
STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (DN4-DC METES DEALUL AMPOITEI-DV STANESTI COPACEL)						
3.10	**AcA55G+**	Sudura cap la cap fiting din PEHD - VALROM PE100 SDR 11 cu 2 imbinari (cot/reductie)...D = 125 mm	**buc**	**10.00**	**248.23**	**2,482.27**
				material:	0.00	0.00
				manopera:	64.63	646.27
				utilaj:	183.60	1,836.00
				transport:	0.00	0.00
3.10.	2304330	Cot 125x45 PE100 SDR11	buc	10.00	128.80	1,288.00
3.11	**AcA54D+**	Sudura cap la cap fiting din PEHD - VALROM PE100 SDR 17 cu 2 imbinari (cot/reductie)...D = 90 mm	**buc**	**4.00**	**189.82**	**759.28**
				material:	0.00	0.00
				manopera:	49.42	197.68
				utilaj:	140.40	561.60
				transport:	0.00	0.00
3.11.	2304331	Cot 90x45 PE100 SDR17	buc	4.00	61.95	247.80
4	**HIDRANT**					
4.1	**ACE01A1 (asim)**	Hidrant subteran de incendiu avand d: 80 mm	**buc**	**8.00**	**2,601.63**	**20,813.08**
				material:	2,515.47	20,123.72
				manopera:	86.17	689.35
				utilaj:	0.00	0.00
				transport:	0.00	0.00
4.2	**AcE09F1 [ASIM3]**	Sudura prin electrofuziune mufa/cot electrosudabil din PEHD D = 125-140 mm	**buc**	**16.00**	**60.37**	**965.92**
				material:	5.49	87.86
				manopera:	27.88	446.05
				utilaj:	27.00	432.00
				transport:	0.00	0.00
4.2.L	20020229	Mufa electrosudabila <safekit> pehd d.125	buc	16.00	78.45	1,255.20
4.3	**AcE09D1 [1]**	Sudura prin electrofuziune mufa/cot electrosudabil din PEHD D = 90-110mm	**buc**	**8.00**	**57.86**	**462.91**
				material:	2.99	23.88
				manopera:	27.88	223.03
				utilaj:	27.00	216.00
				transport:	0.00	0.00
4.3.L	20020227	Mufa electrosudabila <safekit> pehd d. 90	buc	8.00	42.65	341.20
4.4	**AcE09F1 [ASIM1] [1]**	Sudura prin electrofuziune teu electrosudabil din PEHD D = 125-160 mm	**buc**	**8.00**	**72.18**	**577.40**
				material:	17.30	138.38
				manopera:	27.88	223.03
				utilaj:	27.00	216.00
				transport:	0.00	0.00
4.4.L	20013694	Teu redus PE 100 125/90 SDR11	buc	8.00	247.10	1,976.80
4.5	**AcE09D1 [ASIM 2]**	Sudura prin electrofuziune capat flanse din PEHD D = 90-110mm	**buc**	**8.00**	**34.68**	**277.41**
				material:	2.74	21.90
				manopera:	13.94	111.51
				utilaj:	18.00	144.00
				transport:	0.00	0.00
4.5.L	20019546	Capat flansa apa/gaz pe100 d. 90 sdr17	buc	8.00	39.10	312.80
4.6	**ACB10C1**	Flansa din otel rotunda montata prin sudura electr. avand dn = 100	**buc**	**8.00**	**56.32**	**450.52**
				material:	8.32	66.56
				manopera:	28.20	225.56
				utilaj:	19.80	158.40
				transport:	0.00	0.00
4.6.L	4427221	Flansa plata libera otel pentru pehd DN 90 cod 66402007	buc	8.00	62.10	496.80
4.7	**ACB05B1**	Imbinare cu flanse piese leg. flanse armaturi si contoare cu dn 80 mm si pn 2,5;6 at.	**buc**	**16.00**	**28.19**	**451.11**
				material:	0.00	0.00
				manopera:	28.19	451.11
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (DN4-DC METES DEALUL AMPOITEI-DV STANESTI COPACEL)

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES						
STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (DN4-DC METES DEALUL AMPOITEI-DV STANESTI COPACEL)						
4.7.L	6607575	Garnitura de etansare ans plan pn6/2,5 D = 80 M 100-500 g2x4 s1733	buc	16.16	11.60	187.46
4.7.L	5801916	Surub cap hexagonal precis M 16 x 80 gr. 5.8 s4272	buc	64.00	15.35	982.40
4.7.L	5843146	Piulita hexagonala speciala s 4071 OL 37 M 16	buc	64.00	1.10	70.40
5	**CAMINE DE AERISIRE-DEZAERISIRE**					
5.1	**AcE147A02+**	Piesa trecere VALROM prin camin PVC / beton D = 125 mm	**buc**	**6.00**	**5.26**	**31.55**
				material:	0.00	0.00
				manopera:	5.26	31.55
				utilaj:	0.00	0.00
				transport:	0.00	0.00
5.1.L	20029529	Piesa trecere prin camin pvc-beton d.125	buc	6.00	72.00	432.00
5.2	**AcE09E1 [ASIM 1]**	Sudura prin electrofuziune capat flanse din PEHD D = 125mm	**buc**	**6.00**	**51.86**	**311.17**
				material:	4.52	27.13
				manopera:	15.84	95.04
				utilaj:	31.50	189.00
				transport:	0.00	0.00
5.2.L	7307925	CAPAT FLANSA APA/GAZ PE100 D.125 SDR11	buc	6.00	64.60	387.60
5.3	**ACB10D1**	Flansa din otel rotunda montata prin sudura electr. avand dn = 125	**buc**	**6.00**	**71.61**	**429.67**
				material:	10.38	62.28
				manopera:	37.38	224.29
				utilaj:	23.85	143.10
				transport:	0.00	0.00
5.3.L	4427310	Flansa plata libera otel pentru pehd DN 125 cod 66402009	buc	6.00	71.75	430.50
5.4	**ACE09D1**	Montarea armaturilor cu actionare manuala sau mecanica (robinet vane ventile clap. compens. etc.)dn: 100	**buc**	**6.00**	**17.39**	**104.35**
				material:	0.00	0.00
				manopera:	17.39	104.35
				utilaj:	0.00	0.00
				transport:	0.00	0.00
5.4.L	3811284	Robinet sertar corp plat dn100	buc	6.00	662.50	3,975.00
5.5	**ACE09D1**	Montarea armaturilor cu actionare manuala sau mecanica (robinet vane ventile clap. compens. etc.)dn: 100	**buc**	**3.00**	**17.39**	**52.18**
				material:	0.00	0.00
				manopera:	17.39	52.18
				utilaj:	0.00	0.00
				transport:	0.00	0.00
5.5.L	3330934	Teu fonta cu flansa pn16 s1882 100x 50	buc	3.00	478.65	1,435.95
5.6	**ACE09A1**	Montarea armaturilor cu actionare manuala sau mecanica (robinet vane ventile clap. compens. etc.)dn: 50	**buc**	**3.00**	**17.39**	**52.18**
				material:	0.00	0.00
				manopera:	17.39	52.18
				utilaj:	0.00	0.00
				transport:	0.00	0.00
5.6.L	17000600229	Robinet de aerisire dezaerisire dublu, dn 50	buc	3.00	1,450.00	4,350.00
5.7	**ACE09D1**	Montarea armaturilor cu actionare manuala sau mecanica (robinet vane ventile clap. compens. etc.)dn: 100	**buc**	**3.00**	**17.39**	**52.18**
				material:	0.00	0.00
				manopera:	17.39	52.18
				utilaj:	0.00	0.00
				transport:	0.00	0.00
5.7.L	11588045	Compensator de montaj cu tiranti, din otel, PN 16 DN = 100	buc	3.00	1,118.65	3,355.95

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (DN4-DC METES DEALUL AMPOITEI-DV STANESTI COPACEL)

0	1		2	3	4	5 = 3 x 4
OBIECTUL:	EXTINDERE RETEA APA SI BRANSAMENTE SAT METES					
	STADIUL FIZIC:	EXTINDERE RETEA DISTRIBUTIE APA (DN4-DC METES DEALUL AMPOITEI-DV STANESTI COPACEL)				
5.8	**ACB05C2**	Imbinare cu flanse piese leg. flanse armaturi si contoare cu dn 100 mm si pn 10 -25 at.	**buc**	**15.00**	**28.19**	**422.92**
				material:	0.00	0.00
				manopera:	28.19	422.92
				utilaj:	0.00	0.00
				transport:	0.00	0.00
5.8.L	6607587	Garnitura de etansare ans plan pn6/2,5 D = 100 M 100-500 g2x4 s1733	buc	15.15	22.85	346.18
5.8.L	5802087	Surub cap hexagonal precis M 16 x130 gr. 5.8 s4272	buc	120.00	15.35	1,842.00
5.8.L	5843146	Piulita hexagonala speciala s 4071 OL 37 M 16	buc	120.00	1.10	132.00
5.9	**ACB05A1**	Imbinare cu flanse piese leg. flanse armaturi si contoare cu dn 50 mm si pn 2,5-25 at.	**buc**	**3.00**	**14.26**	**42.77**
				material:	0.00	0.00
				manopera:	14.26	42.77
				utilaj:	0.00	0.00
				transport:	0.00	0.00
5.9.L	6607551	Garnitura de etansare ans plan pn6/2,5 D = 50 M 100-500 g2x4 s1733	buc	3.03	7.35	22.27
5.9.L	5802087	Surub cap hexagonal precis M 16 x130 gr. 5.8 s4272	buc	12.00	15.35	184.20
5.9.L	5843146	Piulita hexagonala speciala s 4071 OL 37 M 16	buc	12.00	1.10	13.20
6	**CAMINE DE GOLIRE**					
6.1	**AcE147A02+**	Piesa trecere VALROM prin camin PVC / beton D = 125 mm	**buc**	**4.00**	**5.26**	**21.04**
				material:	0.00	0.00
				manopera:	5.26	21.04
				utilaj:	0.00	0.00
				transport:	0.00	0.00
6.1.L	20029529	Piesa trecere prin camin pvc-beton d.125	buc	4.00	72.00	288.00
6.2	**AcE09E1 [ASIM 1]**	Sudura prin electrofuziune capat flanse din PEHD D = 125mm	**buc**	**4.00**	**51.86**	**207.45**
				material:	4.52	18.09
				manopera:	15.84	63.36
				utilaj:	31.50	126.00
				transport:	0.00	0.00
6.2.L	7307925	CAPAT FLANSA APA/GAZ PE100 D.125 SDR11	buc	4.00	64.60	258.40
6.3	**ACB10D1**	Flansa din otel rotunda montata prin sudura electr. avand dn = 125	**buc**	**4.00**	**71.61**	**286.45**
				material:	10.38	41.52
				manopera:	37.38	149.53
				utilaj:	23.85	95.40
				transport:	0.00	0.00
6.3.L	4427310	Flansa plata libera otel pentru pehd DN 125 cod 66402009	buc	4.00	71.75	287.00
6.4	**ACE09D1**	Montarea armaturilor cu actionare manuala sau mecanica (robinet vane ventile clap. compens. etc.)dn: 100	**buc**	**1.00**	**17.39**	**17.39**
				material:	0.00	0.00
				manopera:	17.39	17.39
				utilaj:	0.00	0.00
				transport:	0.00	0.00
6.4.L	3811284	Robinet sertar corp plat dn100	buc	1.00	662.50	662.50
6.5	**ACE09D1**	Montarea armaturilor cu actionare manuala sau mecanica (robinet vane ventile clap. compens. etc.)dn: 100	**buc**	**2.00**	**17.39**	**34.78**
				material:	0.00	0.00
				manopera:	17.39	34.78
				utilaj:	0.00	0.00
				transport:	0.00	0.00
6.5.L	3330934	Teu fonta cu flansa pn16 s1882 100x 50	buc	2.00	478.65	957.30

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (DN4-DC METES DEALUL AMPOITEI-DV STANESTI COPACEL)

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES						
	STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (DN4-DC METES DEALUL AMPOITEI-DV STANESTI COPACEL)					
6.6	**ACE09A1**	Montarea armaturilor cu actionare manuala sau mecanica (robinet vane ventile clap. compens. etc.)dn: 50	**buc**	**2.00**	**17.39**	**34.78**
				material:	0.00	0.00
				manopera:	17.39	34.78
				utilaj:	0.00	0.00
				transport:	0.00	0.00
6.6.L	3811285	Robinet sertar corp plat dn50	buc	2.00	353.00	706.00
6.7	**ACE09D1**	Montarea armaturilor cu actionare manuala sau mecanica (robinet vane ventile clap. compens. etc.)dn: 100	**buc**	**1.00**	**17.39**	**17.39**
				material:	0.00	0.00
				manopera:	17.39	17.39
				utilaj:	0.00	0.00
				transport:	0.00	0.00
6.7.L	11588045	Compensator de montaj cu tiranti, din otel, PN 16 DN = 100	buc	1.00	1,118.65	1,118.65
6.8	**ACB05C2**	Imbinare cu flanse piese leg. flanse armaturi si contoare cu dn 100 mm si pn 10 -25 at.	**buc**	**6.00**	**28.19**	**169.17**
				material:	0.00	0.00
				manopera:	28.19	169.17
				utilaj:	0.00	0.00
				transport:	0.00	0.00
6.8.L	6607587	Garnitura de etansare ans plan pn6/2,5 D = 100 M 100-500 g2x4 s1733	buc	6.06	22.85	138.47
6.8.L	5802087	Surub cap hexagonal precis M 16 x130 gr. 5.8 s4272	buc	48.00	15.35	736.80
6.8.L	5843146	Piulita hexagonala speciala s 4071 OL 37 M 16	buc	48.00	1.10	52.80
6.9	**ACB05A1**	Imbinare cu flanse piese leg. flanse armaturi si contoare cu dn 50 mm si pn 2,5-25 at.	**buc**	**2.00**	**14.26**	**28.51**
				material:	0.00	0.00
				manopera:	14.26	28.51
				utilaj:	0.00	0.00
				transport:	0.00	0.00
6.9.L	6607551	Garnitura de etansare ans plan pn6/2,5 D = 50 M 100-500 g2x4 s1733	buc	2.02	7.35	14.85
6.9.L	5802087	Surub cap hexagonal precis M 16 x130 gr. 5.8 s4272	buc	8.00	15.35	122.80
6.9.L	5843146	Piulita hexagonala speciala s 4071 OL 37 M 16	buc	8.00	1.10	8.80
7	**PROBE**					
7.1	**ACE07D1**	Spalarea si desinfectarea conductelor de alimentare cu apa avand dn 125	**100 m**	**41.20**	**89.15**	**3,673.10**
				material:	25.79	1,062.67
				manopera:	63.36	2,610.43
				utilaj:	0.00	0.00
				transport:	0.00	0.00
7.2	**ACE07B1**	Spalarea si desinfectarea conductelor de alimentare cu apa avand dn 80	**100 m**	**0.35**	**60.28**	**21.10**
				material:	10.55	3.69
				manopera:	49.74	17.41
				utilaj:	0.00	0.00
				transport:	0.00	0.00
7.3	**ACB13D1**	Inchidere capete conducta otel pentru proba presiune avand dn 125	**buc**	**12.00**	**268.80**	**3,225.63**
				material:	3.66	43.97
				manopera:	253.44	3,041.26
				utilaj:	11.70	140.40
				transport:	0.00	0.00
7.3.L	3110686	Teava pentru constructii fara sudura LC 127 x 8 / OLT 35 s 404/2	m	6.00	212.47	1,274.82

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (DN4-DC METES DEALUL AMPOITEI-DV STANESTI COPACEL)

0	1	2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES					
STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (DN4-DC METES DEALUL AMPOITEI-DV STANESTI COPACEL)					
7.4	3330934 Teu fonta cu flansa pn16 s1882 100x 50	buc	1.00	478.65	478.65
			material:	478.65	478.65
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00

	procent	material	manopera	utilaj	transport	total
Total Cheltuieli directe:		**387,100.28**	**248,564.93**	**151,789.88**	**110,000.00**	**897,455.09**
Recapitulatia:	Recap 2019: CAM 2,25					
Contributie asiguratorie pentru munca (CAM)	2.2500 %	0.00	5,592.71	0.00	0.00	5,592.71
Total Inclusiv Cheltuieli directe:		**387,100.28**	**254,157.64**	**151,789.88**	**110,000.00**	**903,047.80**
Cheltuieli indirecte	8.0000 %	30,968.02	20,332.61	12,143.19	8,800.00	72,243.82
Total Inclusiv Cheltuieli indirecte:		**418,068.31**	**274,490.25**	**163,933.07**	**118,800.00**	**975,291.63**
Profit	5.0000 %	20,903.42	13,724.51	8,196.65	5,940.00	48,764.58
Total Inclusiv Beneficiu:		**438,971.72**	**288,214.76**	**172,129.73**	**124,740.00**	**1,024,056.21**

OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (METES ISCA)

1 GROPI DE POZITIE

1.1	DC04B1	Taierea cu masina cu discuri diamantate a rosturilor de contractie si dilatatie in betonul de uzura la : drumuri;	m	200.00	29.21	5,842.94
				material:	2.26	452.16
				manopera:	9.31	1,862.78
				utilaj:	17.64	3,528.00
				transport:	0.00	0.00
1.2	DG06A1	Spargerea si desfacerea betonului de ciment pe suprafete limitate, pentru pozarea cablurilor, conductelor, podetelor si gurilor de scurgere etc, executate in imbracamintea carosabila;	mc	12.00	238.01	2,856.08
				material:	0.00	0.00
				manopera:	134.01	1,608.08
				utilaj:	104.00	1,248.00
				transport:	0.00	0.00
1.3	TSB20A1	Sapatura in stanca cu ciocanul de abataj pneumatic,la rigole cu sectiunea triunghiulara,avand adancimea de pana la 0.35 m...roca semidura	mc	65.00	294.02	19,111.40
				material:	0.00	0.00
				manopera:	154.28	10,028.30
				utilaj:	139.74	9,083.10
				transport:	0.00	0.00
1.4	TSA04G1	Sapatura manuala de pamant in spatii limitate,avand sub 1 m latime si maximum 4.50 m adancime,executata cu sprijiniri,cu evacuare manuala,la fundatii,canale,drumuri etc...in pamant cu umiditate naturala adancimea sapaturii 1,5-3 teren foarte tare	mc	7.00	173.97	1,217.78
				material:	1.63	11.40
				manopera:	172.34	1,206.37
				utilaj:	0.00	0.00
				transport:	0.00	0.00

2 TERASAMENTE

1.1	DC04B1	Taierea cu masina cu discuri diamantate a rosturilor de contractie si dilatatie in betonul de uzura la : drumuri;	m	280.00	29.21	8,180.12
				material:	2.26	633.02
				manopera:	9.31	2,607.90
				utilaj:	17.64	4,939.20
				transport:	0.00	0.00
1.2	DG06A1	Spargerea si desfacerea betonului de ciment pe suprafete limitate, pentru pozarea cablurilor, conductelor, podetelor si gurilor de scurgere etc, executate in imbracamintea carosabila;	mc	14.00	238.01	3,332.09
				material:	0.00	0.00
				manopera:	134.01	1,876.09
				utilaj:	104.00	1,456.00
				transport:	0.00	0.00

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (METES ISCA)

0	1		2	3	4	5 = 3 x 4
OBIECTUL:	**EXTINDERE RETEA APA SI BRANSAMENTE SAT METES**					
	STADIUL FIZIC:	**EXTINDERE RETEA DISTRIBUTIE APA (METES ISCA)**				
2.1	TSC03C1	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in depozit teren catg 3	100 mc	**0.53**	**940.00**	**498.20**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	940.00	498.20
				transport:	0.00	0.00
2.2	TSB20A1	Sapatura in stanca cu ciocanul de abataj pneumatic,la rigole cu sectiunea triunghiulara,avand adancimea de pana la 0.35 m...roca semidura	mc	**87.00**	**294.02**	**25,579.88**
				material:	0.00	0.00
				manopera:	154.28	13,422.50
				utilaj:	139.74	12,157.38
				transport:	0.00	0.00
2.3	TSC35A1	Excavat,transport,cu incarcator frontal,la distante de :...incarcare in autovehicul cu incarcator frontal pe senile de 0.5-0.99 mc,pamant din teren categoria 1 la distanta < 10 m	100 mc	**0.87**	**618.80**	**538.36**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	618.80	538.36
				transport:	0.00	0.00
2.4	TSA04G1	Sapatura manuala de pamant in spatii limitate,avand sub 1 m latime si maximum 4.50 m adancime,executata cu sprijiniri,cu evacuare manuala,la fundatii,canale,drumuri etc...in pamant cu umiditate naturala adancimea sapaturii 1,5-3 teren foarte tare	mc	**7.00**	**173.97**	**1,217.78**
				material:	1.63	11.40
				manopera:	172.34	1,206.37
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.5	TRA01A05P	Transportul rutier al...pamantului sau molozului cu autobasculanta dist.= 5 km	tona	**160.00**	**10.00**	**1,600.05**
				material:	0.00	0.00
				manopera:	0.00	0.05
				utilaj:	0.00	0.00
				transport:	10.00	1,600.00
2.6	TSF01C1	Sprijiniri de maluri,cu dulapi de fag asezati orizontal,la sapaturi executate in spatii limitate,avand latimea de pana la 1.50 m intre maluri...adancimea sapaturii de 2.01-4 m,intre dulapi 0.21-20 m	mp	**100.00**	**22.03**	**2,203.14**
				material:	3.66	365.70
				manopera:	18.37	1,837.44
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.7	TSA24A1	Epuizarea mecanica a apelor din sapaturi,in teren cu infiltratii puternice de apa,executate cu:...motopompa de apa 6.6-12 Kw (9-16 CP)	ora	**30.00**	**72.00**	**2,160.00**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	72.00	2,160.00
				transport:	0.00	0.00
2.8	ACE06A1	Sustineri din lemn pentru cabluri si conducte intilnite in sapatura : grele	m	**15.00**	**57.93**	**868.91**
				material:	32.90	493.50
				manopera:	25.03	375.41
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.9	ACE16A1	Montarea parapetelor si podetelor metalice de inventar la santuri pentru conducte	m	**30.00**	**5.07**	**152.05**
				material:	0.00	0.00
				manopera:	5.07	152.05
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.10	CQ16B#-2	Foraj rotativ cu circulatie directa de noroi bentonitic pentru consolidari si etansari de terenuri cu diametrul de la 130 la 200 mm, netubat, exclusiv prepararea si recircularea noroiului:...teren categoria II	m	**1,700.00**	**476.12**	**809,407.72**
				material:	39.20	66,635.56
				manopera:	58.92	100,172.16
				utilaj:	378.00	642,600.00
				transport:	0.00	0.00

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (METES ISCA)

0	1	2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES					
STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (METES ISCA)					
2.11 20014127	Teava PE 100 SDR11 PN16 D=200x18.20mm	m	**1,010.00**	**141.55**	**142,965.50**
			material:	141.55	142,965.50
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
2.12 20014125	Teava PE 100 SDR11 PN16 D=160x14.60mm	m	**690.00**	**90.80**	**62,652.00**
			material:	90.80	62,652.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3 REFACERI					
3.1 DA06A2	Strat de agregate naturale cilindrate (nisip), avand functia de rezidenta filtranta, izolatoare, antigeliva si anticapilara, cu asternere manuala;	mc	**42.00**	**128.50**	**5,397.19**
			material:	82.35	3,458.52
			manopera:	36.75	1,543.45
			utilaj:	9.41	395.22
			transport:	0.00	0.00
3.2 DA06A1	Strat de agregate naturale cilindrate (balast), avand functia de rezidenta filtranta, izolatoare, antigeliva si anticapilara, cu asternere manuala;	mc	**30.00**	**110.02**	**3,300.58**
			material:	63.86	1,915.82
			manopera:	36.75	1,102.46
			utilaj:	9.41	282.30
			transport:	0.00	0.00
3.3 DA11A1	Strat de fundatie sau reprofilare din piatra sparta pentru drumuri, cu asternere manuala executate cu impanare si innoroire;	mc	**15.00**	**171.15**	**2,567.30**
			material:	98.40	1,475.99
			manopera:	57.02	855.36
			utilaj:	15.73	235.95
			transport:	0.00	0.00
3.4 TRA01A40	Transportul rutier al...materialelor,semifabricatelor cu autobasculanta pe dist.= 40 km.	tona	**160.00**	**40.00**	**6,400.00**
			material:	0.00	0.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	40.00	6,400.00
3.5 TRB01B11	Transportul materialelor cu roaba pe pneuri inc aruncare desc aruncare grupa...1-3 distanta 10m	tona	**10.50**	**22.49**	**236.17**
			material:	0.00	0.00
			manopera:	22.49	236.17
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.6 TSD02C1	Imprastierea pamantului afanat provenit din teren categoria 1 sau 2,executata cu buldozer pe tractor cu senile de 65-80 CP,in straturi cu grosimea de:...31-50 cm	100 mc	**1.40**	**188.00**	**263.20**
			material:	0.00	0.00
			manopera:	0.00	0.00
			utilaj:	188.00	263.20
			transport:	0.00	0.00
3.7 TSD06A1	Compactarea cu placa vibratoare a umpluturilor in straturi de 20-30 cm grosime,exclusiv udarea fiecarui strat in parte,umpluturile executandu-se din pamant necoeziv,compactat cu:...placa vibratoare de 0.7 t	100 mc	**1.40**	**286.39**	**400.95**
			material:	0.00	0.00
			manopera:	139.39	195.15
			utilaj:	147.00	205.80
			transport:	0.00	0.00
3.8 DB01A1	Curatirea mecanica in vederea aplicarii imbracamintilor sau tratamentelor bituminoase a straturilor suport alcatuite din : suprafete bituminoase din beton cimentat sau pavaje din piatra bitumate, executata cu peria mecanica;	mp	**520.00**	**0.02**	**10.95**
			material:	0.01	6.27
			manopera:	0.00	0.00
			utilaj:	0.01	4.68
			transport:	0.00	0.00

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (METES ISCA)

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES						
STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (METES ISCA)						
3.9	DB02D1	Amorsarea suprafetelor straturilor de baza sau a imbracamintilor existente in vvederea aplicarii unui strat de uzura din mixtura asfaltica, executata cu: emulsie cationica cu rupere rapida	100 mp	5.20	380.60	1,979.10
				material:	314.59	1,635.85
				manopera:	63.36	329.47
				utilaj:	2.65	13.78
				transport:	0.00	0.00
3.10	DB12A1	Strat de legatura (binder) de criblura executata la cald cu asternere manuala	tona	41.00	41.80	1,713.76
				material:	1.04	42.44
				manopera:	33.26	1,363.82
				utilaj:	7.50	307.50
				transport:	0.00	0.00
3.10.	20018325	Mixtura asfaltica tip BAD25	tona	41.12	315.00	12,953.75
3.11	DB16D1	Imbracaminte de beton asfaltic cu agregate marunte executata la cald, in grosime de : 4,0 cm cu asternere manuala	mp	146.00	4.46	650.85
				material:	0.10	14.45
				manopera:	3.67	536.53
				utilaj:	0.68	99.86
				transport:	0.00	0.00
3.11.	20018326	Mixtura asfaltica BA16	tona	13.72	285.00	3,911.34
3.11.	2600361	Suspensie bitum filerizat-subif s 558	kg	438.00	3.00	1,314.00
3.12	TRA01A40	Transportul rutier al...materialelor,semifabricatelor cu autobasculanta pe dist.= 40 km.	tona	55.28	40.00	2,211.20
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	40.00	2,211.20
4	INSTALATII					
4.1	RPAB13G1	Manevrarea (inchidere-deschidere) vane pentru izolare zone retea...manual in camin vana d= 50-200 mm	buc	2.00	12.20	24.39
				material:	0.00	0.00
				manopera:	12.20	24.39
				utilaj:	0.00	0.00
				transport:	0.00	0.00
4.2	RPAC18A1	Taierea in sant cu flacara oxiacetilenica a tevilor din otel avand diam....200 mm	buc	4.00	22.98	91.93
				material:	3.34	13.36
				manopera:	19.64	78.57
				utilaj:	0.00	0.00
				transport:	0.00	0.00
4.3	ACB08E1 (ASIM2)	Montarea in pamant a tevilor din polietilena de presiune, de inalta densitatae, densitate alimentarilor cu apa, asamblate prin sudura cap la cap, conform normativului I-6-PE, avand diametrul de 110-140mm [1]	m	460.00	6.17	2,837.28
				material:	0.00	0.00
				manopera:	3.17	1,457.28
				utilaj:	3.00	1,380.00
				transport:	0.00	0.00
4.3.L	6701175	Teava HDPE 80 312uni7611.7615 pn16 dn125x17.3 cod 64000138	m	466.90	55.45	25,889.61
4.4	ACB08E1 (ASIM2)	Montarea in pamant a tevilor din polietilena de presiune, de inalta densitatae, densitate alimentarilor cu apa, asamblate prin sudura cap la cap, conform normativului I-6-PE, avand diametrul de 110-140mm [1]	m	550.00	6.17	3,392.40
				material:	0.00	0.00
				manopera:	3.17	1,742.40
				utilaj:	3.00	1,650.00
				transport:	0.00	0.00
4.4.L	6701154	Teava HDPE 80 312uni7611.7615 pn10 dn125x11.4 cod 64000117	m	558.25	37.60	20,990.20
4.5	ACB08C1 (ASIM)	Montarea in pamant a tevilor din polietilena de presiune, de inalta densitatae, densitate alimentarilor cu apa, asamblate prin sudura, avand diametrul de 90-110mm	m	650.00	8.19	5,322.20
				material:	2.52	1,638.00
				manopera:	3.17	2,059.20
				utilaj:	2.50	1,625.00
				transport:	0.00	0.00

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (METES ISCA)

0	1		2	3	4	5 = 3 x 4
OBIECTUL:	**EXTINDERE RETEA APA SI BRANSAMENTE SAT METES**					
	STADIUL FIZIC:	**EXTINDERE RETEA DISTRIBUTIE APA (METES ISCA)**				
4.5.L	6701129	Teava HDPE 80 312uni7611.7615 pn6 DN 110x6.2 cod 64000092	m	659.75	28.55	18,835.86
4.6	**ACB08C1(ASIM)**	Montarea in pamant a tevilor din polietilena de presiune, de inalta densitate, densitate alimentarilor cu apa, asamblate prin sudare, avand diametrul de 90-110mm	**m**	**10.00**	**10.50**	**105.03**
				material:	3.17	31.67
				manopera:	6.34	63.36
				utilaj:	1.00	10.00
				transport:	0.00	0.00
4.6.L	6701173	Teava HDPE 80 312uni7611.7615 pn16 dn90x12.5 cod 64000136	m	10.15	29.40	298.41
4.7	**ACB08C1(ASIM)**	Montarea in pamant a tevilor din polietilena de presiune, de inalta densitate, densitate alimentarilor cu apa, asamblate prin sudare, avand diametrul de 90-110mm	**m**	**150.00**	**10.29**	**1,543.82**
				material:	2.96	443.42
				manopera:	6.34	950.40
				utilaj:	1.00	150.00
				transport:	0.00	0.00
4.7.L	6701128	Teava HDPE 80 312uni7611.7615 pn6 DN 90x5.1 cod 64000091	m	152.25	19.00	2,892.75
4.8	**W2H05A-1% (asim)**	Montat banda avertizoare	**m**	**1,847.30**	**1.83**	**3,387.39**
				material:	0.57	1,046.50
				manopera:	1.27	2,340.90
				utilaj:	0.00	0.00
				transport:	0.00	0.00
4.9	**EB01A1 (asim)**	Montat conductor insotitor din cupru	**m**	**1,847.30**	**1.95**	**3,606.30**
				material:	1.00	1,850.63
				manopera:	0.95	1,755.67
				utilaj:	0.00	0.00
				transport:	0.00	0.00
4.10	**AcE09F1 [ASIM1] [1]**	Sudura prin electrofuziune teu electrosudabil din PEHD D = 125-160 mm	**buc**	**1.00**	**69.60**	**69.60**
				material:	14.72	14.72
				manopera:	27.88	27.88
				utilaj:	27.00	27.00
				transport:	0.00	0.00
4.10.	3330933	Teu egal PE100 125/125 - SDR11	buc	1.00	210.30	210.30
4.11	**AcE09F1 [ASIM1] [1]**	Sudura prin electrofuziune teu electrosudabil din PEHD D = 125-160 mm	**buc**	**2.00**	**72.18**	**144.35**
				material:	17.30	34.59
				manopera:	27.88	55.76
				utilaj:	27.00	54.00
				transport:	0.00	0.00
4.11.	20013694	Teu redus PE 100125/90 SDR11	buc	2.00	247.10	494.20
4.12	**AcA55G+**	Sudura cap la cap fiting din PEHD - VALROM PE100 SDR 11 cu 2 imbinari (cot/reductie)...D = 125 mm	**buc**	**1.00**	**248.23**	**248.23**
				material:	0.00	0.00
				manopera:	64.63	64.63
				utilaj:	183.60	183.60
				transport:	0.00	0.00
4.12.	2306300	Reductie PE100 125/110 SDR11	buc	1.00	84.35	84.35
4.13	**AcA55G+**	Sudura cap la cap fiting din PEHD - VALROM PE100 SDR 11 cu 2 imbinari (cot/reductie)...D = 125 mm	**buc**	**10.00**	**248.23**	**2,482.27**
				material:	0.00	0.00
				manopera:	64.63	646.27
				utilaj:	183.60	1,836.00
				transport:	0.00	0.00
4.13.	LAc08	Lista: Coturi, reductii pt. sudura cap la cap din pehd pe100 sdr11	buc	10.00	0.00	0.00
4.13.	20000148	Sudor	ora	18.40	31.68	582.91
4.13.	20000149	Muncitor deservire	ora	2.00	31.68	63.36
4.13.	20000368	Aparat sud.cap la cap PEHD	ora	20.40	40.00	816.00
4.13.	20000369	Grup electrogen	ora	20.40	50.00	1,020.00
4.13.	2304330	Cot 125x45 PE100 SDR11	buc	10.00	128.80	1,288.00

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES						
STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (METES ISCA)						
4.14	**AcA54D+**	Sudura cap la cap fiting din PEHD - VALROM PE100 SDR 17 cu 2 imbinari (cot/reductie)...D = 90 mm	**buc**	**4.00**	**189.82**	**759.28**
				material:	0.00	0.00
				manopera:	49.42	197.68
				utilaj:	140.40	561.60
				transport:	0.00	0.00
4.14.	2304331	Cot 90x45 PE100 SDR17	buc	4.00	61.95	247.80
4.15	**AcE09F1 [ASIM3]**	Sudura prin electrofuziune mufa/cot electrosudabil din PEHD D = 125-140 mm	**buc**	**26.00**	**60.37**	**1,569.62**
				material:	5.49	142.78
				manopera:	27.88	724.84
				utilaj:	27.00	702.00
				transport:	0.00	0.00
4.15.	20020229	Mufa electrosudabila <safekit> pehd d.125	buc	26.00	78.45	2,039.70
4.16	**AcE09D1 [1]**	Sudura prin electrofuziune mufa/cot electrosudabil din PEHD D = 90-110mm	**buc**	**15.00**	**58.54**	**878.04**
				material:	3.66	54.86
				manopera:	27.88	418.18
				utilaj:	27.00	405.00
				transport:	0.00	0.00
4.16.	20020228	Mufa electrosudabila <safekit> pehd d.110	buc	15.00	52.25	783.75
4.17	**AcE09D1 [1]**	Sudura prin electrofuziune mufa/cot electrosudabil din PEHD D = 90-110mm	**buc**	**12.00**	**57.86**	**694.37**
				material:	2.99	35.83
				manopera:	27.88	334.54
				utilaj:	27.00	324.00
				transport:	0.00	0.00
4.17.	20020227	Mufa electrosudabila <safekit> pehd d. 90	buc	12.00	42.65	511.80
4.18	**AcE09F1 [ASIM3]**	Sudura prin electrofuziune mufa/cot electrosudabil din PEHD D = 125-140 mm	**buc**	**1.00**	**65.09**	**65.09**
				material:	10.22	10.22
				manopera:	27.88	27.88
				utilaj:	27.00	27.00
				transport:	0.00	0.00
4.18.	2950731	Dop electrosudabil gf d.125	buc	1.00	145.95	145.95
4.19	**AcE09D1 [1]**	Sudura prin electrofuziune mufa/cot electrosudabil din PEHD D = 90-110mm	**buc**	**1.00**	**64.14**	**64.14**
				material:	9.26	9.26
				manopera:	27.88	27.88
				utilaj:	27.00	27.00
				transport:	0.00	0.00
4.19.	20020294	Dop electrosudabil d.110	buc	1.00	132.30	132.30
5	**HIDRANT**					
5.1	**ACE01A1 (asim)**	Hidrant subteran de incendiu avand d: 80 mm	**buc**	**4.00**	**2,601.63**	**10,406.54**
				material:	2,515.47	10,061.86
				manopera:	86.17	344.68
				utilaj:	0.00	0.00
				transport:	0.00	0.00
5.2	**AcE09F1 [ASIM3]**	Sudura prin electrofuziune mufa/cot electrosudabil din PEHD D = 125-140 mm	**buc**	**6.00**	**60.37**	**362.22**
				material:	5.49	32.95
				manopera:	27.88	167.27
				utilaj:	27.00	162.00
				transport:	0.00	0.00
5.2.L	20020229	Mufa electrosudabila <safekit> pehd d.125	buc	6.00	78.45	470.70
5.3	**AcE09D1 [1]**	Sudura prin electrofuziune mufa/cot electrosudabil din PEHD D = 90-110mm	**buc**	**2.00**	**58.54**	**117.07**
				material:	3.66	7.32
				manopera:	27.88	55.76
				utilaj:	27.00	54.00
				transport:	0.00	0.00
5.3.L	20020228	Mufa electrosudabila <safekit> pehd d.110	buc	2.00	52.25	104.50

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (METES ISCA)

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES						
	STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (METES ISCA)					
5.4	**AcE09D1 [1]**	Sudura prin electrofuziune mufa/cot electrosudabil din PEHD D = 90-110mm	**buc**	**4.00**	**57.86**	**231.46**
				material:	2.99	11.94
				manopera:	27.88	111.51
				utilaj:	27.00	108.00
				transport:	0.00	0.00
5.4.L	20020227	Mufa electrosudabila <safekit> pehd d. 90	buc	4.00	42.65	170.60
5.5	**AcE09F1 [ASIM1] [1]**	Sudura prin electrofuziune teu electrosudabil din PEHD D = 125-160 mm	**buc**	**3.00**	**72.18**	**216.53**
				material:	17.30	51.89
				manopera:	27.88	83.64
				utilaj:	27.00	81.00
				transport:	0.00	0.00
5.5.L	20013694	Teu redus PE 100125/90 SDR11	buc	3.00	247.10	741.30
5.6	**AcE09D1 [1]**	Sudura prin electrofuziune mufa/cot electrosudabil din PEHD D = 90-110mm	**buc**	**1.00**	**67.39**	**67.39**
				material:	12.52	12.52
				manopera:	27.88	27.88
				utilaj:	27.00	27.00
				transport:	0.00	0.00
5.6.L	20013723	Teu redus PE 100110/90 SDR17	buc	1.00	178.80	178.80
5.7	**AcE09D1 [ASIM 2]**	Sudura prin electrofuziune capat flanse din PEHD D = 90-110mm	**buc**	**4.00**	**34.68**	**138.70**
				material:	2.74	10.95
				manopera:	13.94	55.76
				utilaj:	18.00	72.00
				transport:	0.00	0.00
5.7.L	20019546	Capat flansa apa/gaz pe100 d. 90 sdr17	buc	4.00	39.10	156.40
5.8	**ACB10C1**	Flansa din otel rotunda montata prin sudura electr. avand dn = 100	**buc**	**4.00**	**56.32**	**225.26**
				material:	8.32	33.28
				manopera:	28.20	112.78
				utilaj:	19.80	79.20
				transport:	0.00	0.00
5.8.L	4427221	Flansa plata libera otel pentru pehd DN 90 cod 66402007	buc	4.00	62.10	248.40
5.9	**ACB05B1**	Imbinare cu flanse piese leg. flanse armaturi si contoare cu dn 80 mm si pn 2,5;6 at.	**buc**	**8.00**	**28.19**	**225.56**
				material:	0.00	0.00
				manopera:	28.19	225.56
				utilaj:	0.00	0.00
				transport:	0.00	0.00
5.9.L	6607575	Garnitura de etansare ans plan pn6/2,5 D = 80 M 100-500 g2x4 s1733	buc	8.08	11.60	93.73
5.9.L	5801916	Surub cap hexagonal precis M 16 x 80 gr. 5.8 s4272	buc	32.00	15.35	491.20
5.9.L	5843146	Piulita hexagonala speciala s 4071 OL 37 M 16	buc	32.00	1.10	35.20
6	**CAMINE DE AERISIRE-DEZAERISIRE**					
6.1	**AcE147A01.1+**	Piesa trecere VALROM prin camin PVC / beton D = 90 mm	**buc**	**4.00**	**3.61**	**14.45**
				material:	0.00	0.00
				manopera:	3.61	14.45
				utilaj:	0.00	0.00
				transport:	0.00	0.00
6.1.L	2308342	Piesa trecere prin camin pvc-beton d.90	buc	4.00	54.75	219.00
6.2	**AcA52D(+asim)**	Sudura cap la cap fiting din PEHD - VALROM PE100 SDR17 cu 1 imbinare (dop/capat flansa)...D = 90 mm [1]	**buc**	**4.00**	**48.41**	**193.62**
				material:	0.00	0.00
				manopera:	13.31	53.22
				utilaj:	35.10	140.40
				transport:	0.00	0.00
6.2.L	20019546	Capat flansa apa/gaz pe100 d. 90 sdr17	buc	4.00	39.10	156.40

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (METES ISCA)

0	1		2	3	4	5 = 3 x 4
OBIECTUL:	**EXTINDERE RETEA APA SI BRANSAMENTE SAT METES**					
	STADIUL FIZIC:	**EXTINDERE RETEA DISTRIBUTIE APA (METES ISCA)**				
6.3	**ACB10B1**	Flansa din otel rotunda montata prin sudura electr. avand dn = 80	**buc**	**4.00**	**43.80**	**175.20**
				material:	6.64	26.56
				manopera:	21.86	87.44
				utilaj:	15.30	61.20
				transport:	0.00	0.00
6.3.L	4427221	Flansa plata libera otel pentru pehd DN 90 cod 66402007	buc	4.00	62.10	248.40
6.4	**ACE09C1**	Montarea armaturilor cu actionare manuala sau mecanica (robinet vane ventile clap. compens. etc.)dn: 80	**buc**	**2.00**	**17.39**	**34.78**
				material:	0.00	0.00
				manopera:	17.39	34.78
				utilaj:	0.00	0.00
				transport:	0.00	0.00
6.4.L	4105523	Teu fonta cu flansa pn10 s1882 80x 50	buc	2.00	426.40	852.80
6.5	**ACE09A1**	Montarea armaturilor cu actionare manuala sau mecanica (robinet vane ventile clap. compens. etc.)dn: 50	**buc**	**2.00**	**17.39**	**34.78**
				material:	0.00	0.00
				manopera:	17.39	34.78
				utilaj:	0.00	0.00
				transport:	0.00	0.00
6.5.L	3811285	Robinet sertar corp plat dn50	buc	2.00	353.00	706.00
6.6	**ACE09A1**	Montarea armaturilor cu actionare manuala sau mecanica (robinet vane ventile clap. compens. etc.)dn: 50	**buc**	**2.00**	**17.39**	**34.78**
				material:	0.00	0.00
				manopera:	17.39	34.78
				utilaj:	0.00	0.00
				transport:	0.00	0.00
6.6.L	17000600229	Robinet de aerisire dezaerisire dublu, dn 50	buc	2.00	1,450.00	2,900.00
6.7	**ACB05B1**	Imbinare cu flanse piese leg. flanse armaturi si contoare cu dn 80 mm si pn 2,5;6 at.	**buc**	**4.00**	**28.19**	**112.78**
				material:	0.00	0.00
				manopera:	28.19	112.78
				utilaj:	0.00	0.00
				transport:	0.00	0.00
6.7.L	6607575	Garnitura de etansare ans plan pn6/2,5 D = 80 M 100-500 g2x4 s1733	buc	4.04	11.60	46.86
6.7.L	5802087	Surub cap hexagonal precis M 16 x130 gr. 5.8 s4272	buc	16.00	15.35	245.60
6.7.L	5843146	Piulita hexagonala speciala s 4071 OL 37 M 16	buc	16.00	1.10	17.60
6.8	**ACB05A1**	Imbinare cu flanse piese leg. flanse armaturi si contoare cu dn 50 mm si pn 2,5-25 at.	**buc**	**4.00**	**14.26**	**57.02**
				material:	0.00	0.00
				manopera:	14.26	57.02
				utilaj:	0.00	0.00
				transport:	0.00	0.00
6.8.L	6607551	Garnitura de etansare ans plan pn6/2,5 D = 50 M 100-500 g2x4 s1733	buc	4.04	7.35	29.69
6.8.L	5802087	Surub cap hexagonal precis M 16 x130 gr. 5.8 s4272	buc	16.00	15.35	245.60
6.8.L	5843146	Piulita hexagonala speciala s 4071 OL 37 M 16	buc	16.00	1.10	17.60
7	**CAMINE DE GOLIRE**					
7.1	**AcE147A02+**	Piesa trecere VALROM prin camin PVC / beton D = 125 mm	**buc**	**2.00**	**5.26**	**10.52**
				material:	0.00	0.00
				manopera:	5.26	10.52
				utilaj:	0.00	0.00
				transport:	0.00	0.00
7.1.L	20029529	Piesa trecere prin camin pvc-beton d.125	buc	2.00	72.00	144.00

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (METES ISCA)

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES						
	STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (METES ISCA)					
7.2	AcE147A01.1+	Piesa trecere VALROM prin camin PVC / beton D = 90 mm	buc	**4.00**	**3.61**	**14.45**
				material:	0.00	0.00
				manopera:	3.61	14.45
				utilaj:	0.00	0.00
				transport:	0.00	0.00
7.2.L	2308342	Piesa trecere prin camin pvc-beton d.90	buc	4.00	54.75	219.00
7.3	AcE09E1 [ASIM 1]	Sudura prin electrofuziune capat flanse din PEHD D = 125mm	buc	**2.00**	**51.86**	**103.72**
				material:	4.52	9.04
				manopera:	15.84	31.68
				utilaj:	31.50	63.00
				transport:	0.00	0.00
7.3.L	7307925	CAPAT FLANSA APA/GAZ PE100 D.125 SDR11	buc	2.00	64.60	129.20
7.4	AcA52D(+asim)	Sudura cap la cap fiting din PEHD - VALROM PE100 SDR17 cu 1 imbinare (dop/capat flansa)...D = 90 mm [1]	buc	**4.00**	**48.41**	**193.62**
				material:	0.00	0.00
				manopera:	13.31	53.22
				utilaj:	35.10	140.40
				transport:	0.00	0.00
7.4.L	20019546	Capat flansa apa/gaz pe100 d. 90 sdr17	buc	4.00	39.10	156.40
7.5	ACB10D1	Flansa din otel rotunda montata prin sudura electr. avand dn = 125	buc	**2.00**	**71.61**	**143.22**
				material:	10.38	20.76
				manopera:	37.38	74.76
				utilaj:	23.85	47.70
				transport:	0.00	0.00
7.5.L	4427310	Flansa plata libera otel pentru pehd DN 125 cod 66402009	buc	2.00	71.75	143.50
7.6	ACB10B1	Flansa din otel rotunda montata prin sudura electr. avand dn = 80	buc	**4.00**	**43.80**	**175.20**
				material:	6.64	26.56
				manopera:	21.86	87.44
				utilaj:	15.30	61.20
				transport:	0.00	0.00
7.6.L	4427221	Flansa plata libera otel pentru pehd DN 90 cod 66402007	buc	4.00	62.10	248.40
7.7	ACE09D1	Montarea armaturilor cu actionare manuala sau mecanica (robinet vane ventile clap. compens. etc.)dn: 100	buc	**1.00**	**17.39**	**17.39**
				material:	0.00	0.00
				manopera:	17.39	17.39
				utilaj:	0.00	0.00
				transport:	0.00	0.00
7.7.L	3811284	Robinet sertar corp plat dn100	buc	1.00	662.50	662.50
7.8	ACE09D1	Montarea armaturilor cu actionare manuala sau mecanica (robinet vane ventile clap. compens. etc.)dn: 100	buc	**1.00**	**17.39**	**17.39**
				material:	0.00	0.00
				manopera:	17.39	17.39
				utilaj:	0.00	0.00
				transport:	0.00	0.00
7.8.L	3330934	Teu fonta cu flansa pn16 s1882 100x 50	buc	1.00	478.65	478.65
7.9	ACE09C1	Montarea armaturilor cu actionare manuala sau mecanica (robinet vane ventile clap. compens. etc.)dn: 80	buc	**2.00**	**17.39**	**34.78**
				material:	0.00	0.00
				manopera:	17.39	34.78
				utilaj:	0.00	0.00
				transport:	0.00	0.00
7.9.L	4105523	Teu fonta cu flansa pn10 s1882 80x 50	buc	2.00	426.40	852.80
7.10	ACE09A1	Montarea armaturilor cu actionare manuala sau mecanica (robinet vane ventile clap. compens. etc.)dn: 50	buc	**3.00**	**17.39**	**52.18**
				material:	0.00	0.00
				manopera:	17.39	52.18
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (METES ISCA)

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES						
	STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (METES ISCA)					
7.10.	3811285	Robinet sertar corp plat dn50	buc	3.00	353.00	1,059.00
7.11	**ACE09D1**	Montarea armaturilor cu actionare manuala sau mecanica (robinet vane ventile clap. compens. etc.)dn: 100	**buc**	**1.00**	**17.39**	**17.39**
				material:	0.00	0.00
				manopera:	17.39	17.39
				utilaj:	0.00	0.00
				transport:	0.00	0.00
7.11.	11588045	Compensator de montaj cu tiranti, din otel, PN 16 DN = 100	buc	1.00	1,118.65	1,118.65
7.12	**ACB05C2**	Imbinare cu flanse piese leg. flanse armaturi si contoare cu dn 100 mm si pn 10 -25 at.	**buc**	**4.00**	**28.19**	**112.78**
				material:	0.00	0.00
				manopera:	28.19	112.78
				utilaj:	0.00	0.00
				transport:	0.00	0.00
7.12.	6607587	Garnitura de etansare ans plan pn6/2,5 D = 100 M 100-500 g2x4 s1733	buc	4.04	22.85	92.31
7.12.	5802087	Surub cap hexagonal precis M 16 x130 gr. 5.8 s4272	buc	32.00	15.35	491.20
7.12.	5843146	Piulita hexagonala speciala s 4071 OL 37 M 16	buc	32.00	1.10	35.20
7.13	**ACB05A1**	Imbinare cu flanse piese leg. flanse armaturi si contoare cu dn 50 mm si pn 2,5-25 at.	**buc**	**3.00**	**14.26**	**42.77**
				material:	0.00	0.00
				manopera:	14.26	42.77
				utilaj:	0.00	0.00
				transport:	0.00	0.00
7.13.	6607551	Garnitura de etansare ans plan pn6/2,5 D = 50 M 100-500 g2x4 s1733	buc	3.03	7.35	22.27
7.13.	5802087	Surub cap hexagonal precis M 16 x130 gr. 5.8 s4272	buc	12.00	15.35	184.20
7.13.	5843146	Piulita hexagonala speciala s 4071 OL 37 M 16	buc	12.00	1.10	13.20
8	**CAMINE CU REDUCTOR**					
8.1	**AcE147A01+(asim)**	Piesa trecere prin camin PVC / beton D = 110 mm	**buc**	**2.00**	**3.61**	**7.22**
				material:	0.00	0.00
				manopera:	3.61	7.22
				utilaj:	0.00	0.00
				transport:	0.00	0.00
8.1.L	20029530	Piesa trecere prin camin pvc-beton d.110	buc	2.00	66.25	132.50
8.2	**AcE147A01.1+**	Piesa trecere VALROM prin camin PVC / beton D = 90 mm	**buc**	**4.00**	**3.61**	**14.45**
				material:	0.00	0.00
				manopera:	3.61	14.45
				utilaj:	0.00	0.00
				transport:	0.00	0.00
8.2.L	2308342	Piesa trecere prin camin pvc-beton d.90	buc	4.00	54.75	219.00
8.3	**AcA53F+**	Sudura cap la cap fiting din PEHD - VALROM PE100 SDR 11 cu 1 imbinare (dop/capat flansa)...D = 110 mm	**buc**	**2.00**	**115.60**	**231.19**
				material:	0.00	0.00
				manopera:	30.10	60.19
				utilaj:	85.50	171.00
				transport:	0.00	0.00
8.3.L	20019613	Capat flansa apa/gaz pe100 d.110 sdr11	buc	2.00	52.05	104.10
8.4	**AcA52D(+asim)**	Sudura cap la cap fiting din PEHD - VALROM PE100 SDR17 cu 1 imbinare (dop/capat flansa)...D = 90 mm [1]	**buc**	**4.00**	**48.41**	**193.62**
				material:	0.00	0.00
				manopera:	13.31	53.22
				utilaj:	35.10	140.40
				transport:	0.00	0.00
8.4.L	20019546	Capat flansa apa/gaz pe100 d. 90 sdr17	buc	4.00	39.10	156.40

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (METES ISCA)

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES						
	STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (METES ISCA)					
8.5	**ACB10C1**	Flansa din otel rotunda montata prin sudura electr. avand dn = 100	**buc**	**2.00**	**56.32**	**112.63**
				material:	8.32	16.64
				manopera:	28.20	56.39
				utilaj:	19.80	39.60
				transport:	0.00	0.00
8.5.L	4427269	Flansa plata libera otel pentru pehd DN 110 cod 66402008	buc	2.00	71.75	143.50
8.6	**ACB10B1**	Flansa din otel rotunda montata prin sudura electr. avand dn = 80	**buc**	**4.00**	**43.80**	**175.20**
				material:	6.64	26.56
				manopera:	21.86	87.44
				utilaj:	15.30	61.20
				transport:	0.00	0.00
8.6.L	4427221	Flansa plata libera otel pentru pehd DN 90 cod 66402007	buc	4.00	62.10	248.40
8.7	**ACE09D1**	Montarea armaturilor cu actionare manuala sau mecanica (robinet vane ventile clap. compens. etc.)dn: 100	**buc**	**2.00**	**17.39**	**34.78**
				material:	0.00	0.00
				manopera:	17.39	34.78
				utilaj:	0.00	0.00
				transport:	0.00	0.00
8.7.L	3811284	Robinet sertar corp plat dn100	buc	2.00	662.50	1,325.00
8.8	**ACE09C1**	Montarea armaturilor cu actionare manuala sau mecanica (robinet vane ventile clap. compens. etc.)dn: 80	**buc**	**4.00**	**17.39**	**69.57**
				material:	0.00	0.00
				manopera:	17.39	69.57
				utilaj:	0.00	0.00
				transport:	0.00	0.00
8.8.L	11528463	Robinet sertar corp plat dn80	buc	4.00	536.25	2,145.00
8.9	**ACE09D1**	Montarea armaturilor cu actionare manuala sau mecanica (robinet vane ventile clap. compens. etc.)dn: 100	**buc**	**1.00**	**17.39**	**17.39**
				material:	0.00	0.00
				manopera:	17.39	17.39
				utilaj:	0.00	0.00
				transport:	0.00	0.00
8.9.L	11584644	Filtru Y PN16 DN 100	buc	1.00	787.75	787.75
8.10	**ACE09C1**	Montarea armaturilor cu actionare manuala sau mecanica (robinet vane ventile clap. compens. etc.)dn: 80	**buc**	**2.00**	**17.39**	**34.78**
				material:	0.00	0.00
				manopera:	17.39	34.78
				utilaj:	0.00	0.00
				transport:	0.00	0.00
8.10.	11584659	Filtru Y PN16 DN 80	buc	2.00	573.65	1,147.30
8.11	**ACE09D1**	Montarea armaturilor cu actionare manuala sau mecanica (robinet vane ventile clap. compens. etc.)dn: 100	**buc**	**1.00**	**17.39**	**17.39**
				material:	0.00	0.00
				manopera:	17.39	17.39
				utilaj:	0.00	0.00
				transport:	0.00	0.00
8.11.	17000677195	Reductor de presiune dn100 pn16	buc	1.00	12,872.00	12,872.00
8.12	**ACE09D1**	Montarea armaturilor cu actionare manuala sau mecanica (robinet vane ventile clap. compens. etc.)dn: 100	**buc**	**2.00**	**17.39**	**34.78**
				material:	0.00	0.00
				manopera:	17.39	34.78
				utilaj:	0.00	0.00
				transport:	0.00	0.00
8.12.	17000879094	Reductor de presiune dn.80,pn.16	buc	2.00	12,321.45	24,642.90
8.13	**ACB05C2**	Imbinare cu flanse piese leg. flanse armaturi si contoare cu dn 100 mm si pn 10 -25 at.	**buc**	**5.00**	**28.19**	**140.97**
				material:	0.00	0.00
				manopera:	28.19	140.97
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (METES ISCA)

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES						
STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (METES ISCA)						
8.13.	6607587	Garnitura de etansare ans plan pn6/2,5 D = 100 M 100-500 g2x4 s1733	buc	5.05	22.85	115.39
8.13.	5802087	Surub cap hexagonal precis M 16 x130 gr. 5.8 s4272	buc	40.00	15.35	614.00
8.13.	5843146	Piulita hexagonala speciala s 4071 OL 37 M 16	buc	40.00	1.10	44.00
8.14	**ACB05B1**	Imbinare cu flanse piese leg. flanse armaturi si contoare cu dn 80 mm si pn 2,5;6 at.	**buc**	**10.00**	**28.19**	**281.95**
				material:	0.00	0.00
				manopera:	28.19	281.95
				utilaj:	0.00	0.00
				transport:	0.00	0.00
8.14.	6607575	Garnitura de etansare ans plan pn6/2,5 D = 80 M 100-500 g2x4 s1733	buc	10.10	11.60	117.16
8.14.	5802087	Surub cap hexagonal precis M 16 x130 gr. 5.8 s4272	buc	40.00	15.35	614.00
8.14.	5843146	Piulita hexagonala speciala s 4071 OL 37 M 16	buc	40.00	1.10	44.00
9	**CAMINE DE VANE**					
9.1	**AcE147A02+**	Piesa trecere VALROM prin camin PVC / beton D = 125 mm	**buc**	**2.00**	**5.26**	**10.52**
				material:	0.00	0.00
				manopera:	5.26	10.52
				utilaj:	0.00	0.00
				transport:	0.00	0.00
9.1.L	20029529	Piesa trecere prin camin pvc-beton d.125	buc	2.00	72.00	144.00
9.2	**AcE09E1 [ASIM 1]**	Sudura prin electrofuziune capat flanse din PEHD D = 125mm	**buc**	**2.00**	**51.86**	**103.72**
				material:	4.52	9.04
				manopera:	15.84	31.68
				utilaj:	31.50	63.00
				transport:	0.00	0.00
9.2.L	7307925	CAPAT FLANSA APA/GAZ PE100 D.125 SDR11	buc	2.00	64.60	129.20
9.3	**ACB10D1**	Flansa din otel rotunda montata prin sudura electr. avand dn = 125	**buc**	**2.00**	**71.61**	**143.22**
				material:	10.38	20.76
				manopera:	37.38	74.76
				utilaj:	23.85	47.70
				transport:	0.00	0.00
9.3.L	4427310	Flansa plata libera otel pentru pehd DN 125 cod 66402009	buc	2.00	71.75	143.50
9.4	**ACB05C2**	Imbinare cu flanse piese leg. flanse armaturi si contoare cu dn 100 mm si pn 10 -25 at.	**buc**	**2.00**	**28.19**	**56.39**
				material:	0.00	0.00
				manopera:	28.19	56.39
				utilaj:	0.00	0.00
				transport:	0.00	0.00
9.4.L	6607587	Garnitura de etansare ans plan pn6/2,5 D = 100 M 100-500 g2x4 s1733	buc	2.02	22.85	46.16
9.4.L	5802087	Surub cap hexagonal precis M 16 x130 gr. 5.8 s4272	buc	16.00	15.35	245.60
9.4.L	5843146	Piulita hexagonala speciala s 4071 OL 37 M 16	buc	16.00	1.10	17.60
10	**PROBE**					
10.1	**ACE07D1**	Spalarea si desinfectarea conductelor de alimentare cu apa avand dn 125	**100 m**	**10.10**	**89.15**	**900.45**
				material:	25.79	260.51
				manopera:	63.36	639.94
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (METES ISCA)

0	1	2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES					
STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (METES ISCA)					
10.2 ACE07C1	Spalarea si desinfectarea conductelor de alimentare cu apa avand dn 100	100 m	6.50	79.87	519.17
			material:	16.51	107.33
			manopera:	63.36	411.84
			utilaj:	0.00	0.00
			transport:	0.00	0.00
10.3 ACE07B1	Spalarea si desinfectarea conductelor de alimentare cu apa avand dn 80	100 m	1.60	60.28	96.45
			material:	10.55	16.87
			manopera:	49.74	79.58
			utilaj:	0.00	0.00
			transport:	0.00	0.00
10.4 ACB13D1	Inchidere capete conducta otel pentru proba presiune avand dn 125	buc	4.00	268.80	1,075.21
			material:	3.66	14.66
			manopera:	253.44	1,013.75
			utilaj:	11.70	46.80
			transport:	0.00	0.00
10.4. 3110686	Teava pentru constructii fara sudura LC 127 x 8 / OLT 35 s 404/2	m	2.00	212.47	424.94
10.5 ACB13C1	Inchidere capete conducta otel pentru proba presiune avand dn 100	buc	2.00	267.94	535.88
			material:	2.80	5.60
			manopera:	253.44	506.88
			utilaj:	11.70	23.40
			transport:	0.00	0.00
10.5. 3110325	Teava pentru constructii fara sudura LC 114 x 8 / OLT 35 s 404/2	m	1.00	120.48	120.48

	procent	material	manopera	utilaj	transport	total
Total Cheltuieli directe:		**453,073.83**	**161,432.33**	**690,668.93**	**10,211.20**	**1,315,386.29**
Recapitulatia:	Recap 2019: CAM 2,25					
Contributie asiguratorie pentru munca (CAM)	2.2500 %	0.00	3,632.23	0.00	0.00	3,632.23
Total Inclusiv Cheltuieli directe:		**453,073.83**	**165,064.56**	**690,668.93**	**10,211.20**	**1,319,018.52**
Cheltuieli indirecte	8.0000 %	36,245.91	13,205.16	55,253.51	816.90	105,521.48
Total Inclusiv Cheltuieli indirecte:		**489,319.74**	**178,269.72**	**745,922.44**	**11,028.10**	**1,424,540.00**
Profit	5.0000 %	24,465.99	8,913.49	37,296.12	551.40	71,227.00
Total Inclusiv Beneficiu:		**513,785.73**	**187,183.21**	**783,218.57**	**11,579.50**	**1,495,767.00**

OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (DV METESALE VALEA ALBINII)

1 TERASAMENTE

1.1	DC04B1	Taierea cu masina cu discuri diamantate a rosturilor de contractie si dilatatie in betonul de uzura la : drumuri;	m	340.00	29.21	9,933.00
				material:	2.26	768.67
				manopera:	9.31	3,166.73
				utilaj:	17.64	5,997.60
				transport:	0.00	0.00
1.2	DG06A1	Spargerea si desfacerea betonului de ciment pe suprafete limitate, pentru pozarea cablurilor, conductelor, podetelor si gurilor de scurgere etc, executate in imbracamintea carosabila;	mc	17.00	238.01	4,046.11
				material:	0.00	0.00
				manopera:	134.01	2,278.11
				utilaj:	104.00	1,768.00
				transport:	0.00	0.00
1.3	TSC03C1	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in depozit teren catg 3	100 mc	0.67	940.00	629.80
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	940.00	629.80
				transport:	0.00	0.00

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (DV METESALE VALEA ALBINII)

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES						
	STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (DV METESALE VALEA ALBINII)					
1.4	TSC03G1	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in autovehicule teren catg 3	100 mc	1.03	1,040.00	1,071.20
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	1,040.00	1,071.20
				transport:	0.00	0.00
1.5	TSA04G1	Sapatura manuala de pamant in spatii limitate,avand sub 1 m latime si maximum 4.50 m adancime,executata cu sprijiniri,cu evacuare manuala,la fundatii,canale,drumuri etc...in pamant cu umiditate naturala adancimea sapaturii 1,5-3 teren foarte tare	mc	9.00	173.97	1,565.71
				material:	1.63	14.66
				manopera:	172.34	1,551.05
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.6	TRA01A05P	Transportul rutier al...pamantului sau molozului cu autobasculanta dist.= 5 km	tona	185.40	10.00	1,854.06
				material:	0.00	0.00
				manopera:	0.00	0.06
				utilaj:	0.00	0.00
				transport:	10.00	1,854.00
1.7	TSF01C1	Sprijiniri de maluri,cu dulapi de fag asezati orizontal,la sapaturi executate in spatii limitate,avand latimea de pana la 1.50 m intre maluri...adancimea sapaturii de 2.01-4 m,intre dulapi 0.21-20 m	mp	102.00	22.03	2,247.20
				material:	3.66	373.01
				manopera:	18.37	1,874.19
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.8	TSA24A1	Epuizarea mecanica a apelor din sapaturi,in teren cu infiltratii puternice de apa,executate cu:...motopompa de apa 6.6-12 Kw (9-16 CP)	ora	5.00	72.00	360.00
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	72.00	360.00
				transport:	0.00	0.00
1.9	ACE06A1	Sustineri din lemn pentru cabluri si conducte intilnite in sapatura : grele	m	14.00	57.93	810.98
				material:	32.90	460.60
				manopera:	25.03	350.38
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.10	ACE16A1	Montarea parapetelor si podetelor metalice de inventar la santuri pentru conducte	m	10.00	5.07	50.68
				material:	0.00	0.00
				manopera:	5.07	50.68
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2	REFACERI					
2.1	DA06A2	Strat de agregate naturale cilindrate (nisip), avand functia de rezidenta filtranta, izolatoare, antigeliva si anticapilara, cu asternere manuala;	mc	49.00	128.50	6,296.72
				material:	82.35	4,034.94
				manopera:	36.75	1,800.69
				utilaj:	9.41	461.09
				transport:	0.00	0.00
2.2	DA06A1	Strat de agregate naturale cilindrate (balast), avand functia de rezidenta filtranta, izolatoare, antigeliva si anticapilara, cu asternere manuala;	mc	36.00	110.02	3,960.70
				material:	63.86	2,298.98
				manopera:	36.75	1,322.96
				utilaj:	9.41	338.76
				transport:	0.00	0.00
2.3	DA11A1	Strat de fundatie sau reprofilare din piatra sparta pentru drumuri, cu asternere manuala executate cu impanare si innoroire;	mc	18.00	171.15	3,080.76
				material:	98.40	1,771.19
				manopera:	57.02	1,026.43
				utilaj:	15.73	283.14
				transport:	0.00	0.00

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (DV METESALE VALEA ALBINII)

0	1	2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES					
STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (DV METESALE VALEA ALBINII)					
2.4	TRA01A40 Transportul rutier al...materialelor,semifabricatelor cu autobasculanta pe dist.= 40 km.	tona	**185.40**	**40.00**	**7,416.00**
			material:	0.00	0.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	40.00	7,416.00
2.5	TRB01B11 Transportul materialelor cu roaba pe pneuri inc aruncare desc aruncare grupa...1-3 distanta 10m	tona	**46.00**	**22.49**	**1,034.65**
			material:	0.00	0.00
			manopera:	22.49	1,034.65
			utilaj:	0.00	0.00
			transport:	0.00	0.00
2.6	TSD02C1 Imprastierea pamantului afanat provenit din teren categoria 1 sau 2,executata cu buldozer pe tractor cu senile de 65-80 CP,in straturi cu grosimea de:...31-50 cm	100 mc	**0.76**	**188.00**	**142.88**
			material:	0.00	0.00
			manopera:	0.00	0.00
			utilaj:	188.00	142.88
			transport:	0.00	0.00
2.7	TSD06A1 Compactarea cu placa vibratoare a umpluturilor in straturi de 20-30 cm grosime,exclusiv udarea fiecarui strat in parte,umpluturile executandu-se din pamant necoeziv,compactat cu:...placa vibratoare de 0.7 t	100 mc	**0.76**	**286.39**	**217.66**
			material:	0.00	0.00
			manopera:	139.39	105.94
			utilaj:	147.00	111.72
			transport:	0.00	0.00
2.8	DB01A1 Curatirea mecanica in vederea aplicarii imbracamintilor sau tratamentelor bituminoase a straturilor suport alcatuite din : suprafete bituminoase din beton cimentat sau pavaje din piatra bitumate, executata cu peria mecanica;	mp	**340.00**	**0.02**	**7.16**
			material:	0.01	4.10
			manopera:	0.00	0.00
			utilaj:	0.01	3.06
			transport:	0.00	0.00
2.9	DB02D1 Amorsarea suprafetelor straturilor de baza sau a imbracamintilor existente in vvederea aplicarii unui strat de uzura din mixtura asfaltica, executata cu: emulsie cationica cu rupere rapida	100 mp	**3.40**	**380.60**	**1,294.03**
			material:	314.59	1,069.59
			manopera:	63.36	215.42
			utilaj:	2.65	9.01
			transport:	0.00	0.00
2.10	DB12A1 Strat de legatura (binder) de criblura executata la cald cu asternere manuala	tona	**20.40**	**41.80**	**852.70**
			material:	1.04	21.11
			manopera:	33.26	678.59
			utilaj:	7.50	153.00
			transport:	0.00	0.00
2.10.	20018325 Mixtura asfaltica tip BAD25	tona	20.46	315.00	6,445.28
2.11	DB16D1 Imbracaminte de beton asfaltic cu agregate marunte executata la cald, in grosime de : 4,0 cm cu asternere manuala	mp	**16.40**	**4.46**	**73.11**
			material:	0.10	1.62
			manopera:	3.67	60.27
			utilaj:	0.68	11.22
			transport:	0.00	0.00
2.11.	20018326 Mixtura asfaltica BA16	tona	1.54	285.00	439.36
2.11.	2600361 Suspensie bitum filerizat-subif s 558	kg	49.20	3.00	147.60
2.12	TRA01A40 Transportul rutier al...materialelor,semifabricatelor cu autobasculanta pe dist.= 40 km.	tona	**22.10**	**40.00**	**884.00**
			material:	0.00	0.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	40.00	884.00
3	**INSTALATII**				
3.1	RPAB13G1 Manevrarea (inchidere-deschidere) vane pentru izolare zone retea...manual in camin vana d= 50-200 mm	buc	**2.00**	**12.20**	**24.39**
			material:	0.00	0.00
			manopera:	12.20	24.39
			utilaj:	0.00	0.00
			transport:	0.00	0.00

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (DV METESALE VALEA ALBINII)

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES						
	STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (DV METESALE VALEA ALBINII)					
3.2	RPAC18A1	Taierea in sant cu flacara oxiacetilenica a tevilor din otel avand diam....200 mm	buc	4.00	22.98	91.93
				material:	3.34	13.36
				manopera:	19.64	78.57
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.3	ACB08C1 (ASIM)	Montarea in pamant a tevilor din polietilena de presiune, de inalta densitatae, densitate alimentarilor cu apa, asamblate prin sudura, avand diametrul de 90-110mm	m	170.00	8.19	1,391.96
				material:	2.52	428.40
				manopera:	3.17	538.56
				utilaj:	2.50	425.00
				transport:	0.00	0.00
3.3.L	6701174	Teava HDPE 80 312uni7611.7615 pn16 dn110x15.2 cod 64000137	m	172.55	43.60	7,523.18
3.4	W2H05A-1% (asim)	Montat banda avertizoare	m	172.55	1.83	316.40
				material:	0.57	97.75
				manopera:	1.27	218.66
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.5	EB01A1 (asim)	Montat conductor insotitor din cupru	m	172.55	1.95	336.85
				material:	1.00	172.86
				manopera:	0.95	163.99
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.6	AcE09F1 [ASIM1] [1]	Sudura prin electrofuziune teu electrosudabil din PEHD D = 125-160 mm	buc	1.00	61.94	61.94
				material:	7.06	7.06
				manopera:	27.88	27.88
				utilaj:	27.00	27.00
				transport:	0.00	0.00
3.6.L	20013695	Teu redus PE 100125/110 SDR11	buc	1.00	100.90	100.90
3.7	AcE09D1 [1]	Sudura prin electrofuziune mufa/cot electrosudabil din PEHD D = 90-110mm	buc	7.00	58.54	409.75
				material:	3.66	25.60
				manopera:	27.88	195.15
				utilaj:	27.00	189.00
				transport:	0.00	0.00
3.7.L	20020228	Mufa electrosudabila <safekit> pehd d.110	buc	7.00	52.25	365.75
3.8	AcE09D1 [1]	Sudura prin electrofuziune mufa/cot electrosudabil din PEHD D = 90-110mm	buc	1.00	64.14	64.14
				material:	9.26	9.26
				manopera:	27.88	27.88
				utilaj:	27.00	27.00
				transport:	0.00	0.00
3.8.L	20020294	Dop electrosudabil d.110	buc	1.00	132.30	132.30
4	CAMINE DE AERISIRE-DEZAERISIRE					
4.1	AcE147A01.1+	Piesa trecere VALROM prin camin PVC / beton D = 90 mm	buc	2.00	3.61	7.22
				material:	0.00	0.00
				manopera:	3.61	7.22
				utilaj:	0.00	0.00
				transport:	0.00	0.00
4.1.L	2308342	Piesa trecere prin camin pvc-beton d.90	buc	2.00	54.75	109.50
4.2	AcA52D(+asim)	Sudura cap la cap fiting din PEHD - VALROM PE100 SDR17 cu 1 imbinare (dop/capat flansa)...D = 90 mm [1]	buc	2.00	48.41	96.81
				material:	0.00	0.00
				manopera:	13.31	26.61
				utilaj:	35.10	70.20
				transport:	0.00	0.00
4.2.L	20019546	Capat flansa apa/gaz pe100 d. 90 sdr17	buc	2.00	39.10	78.20

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (DV METESALE VALEA ALBINII)

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES						
	STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (DV METESALE VALEA ALBINII)					
4.3	**ACB10B1**	Flansa din otel rotunda montata prin sudura electr. avand dn = 80	**buc**	**2.00**	**43.80**	**87.60**
				material:	6.64	13.28
				manopera:	21.86	43.72
				utilaj:	15.30	30.60
				transport:	0.00	0.00
4.3.L	4427221	Flansa plata libera otel pentru pehd DN 90 cod 66402007	buc	2.00	62.10	124.20
4.4	**ACE09C1**	Montarea armaturilor cu actionare manuala sau mecanica (robinet vane ventile clap. compens. etc.)dn: 80	**buc**	**1.00**	**17.39**	**17.39**
				material:	0.00	0.00
				manopera:	17.39	17.39
				utilaj:	0.00	0.00
				transport:	0.00	0.00
4.4.L	4105523	Teu fonta cu flansa pn10 s1882 80x 50	buc	1.00	426.40	426.40
4.5	**ACE09A1**	Montarea armaturilor cu actionare manuala sau mecanica (robinet vane ventile clap. compens. etc.)dn: 50	**buc**	**1.00**	**17.39**	**17.39**
				material:	0.00	0.00
				manopera:	17.39	17.39
				utilaj:	0.00	0.00
				transport:	0.00	0.00
4.5.L	3811285	Robinet sertar corp plat dn50	buc	1.00	353.00	353.00
4.6	**ACE09A1**	Montarea armaturilor cu actionare manuala sau mecanica (robinet vane ventile clap. compens. etc.)dn: 50	**buc**	**1.00**	**17.39**	**17.39**
				material:	0.00	0.00
				manopera:	17.39	17.39
				utilaj:	0.00	0.00
				transport:	0.00	0.00
4.6.L	17000600229	Robinet de aerisire dezaerisire dublu, dn 50	buc	1.00	1,450.00	1,450.00
4.7	**ACB05B1**	Imbinare cu flanse piese leg. flanse armaturi si contoare cu dn 80 mm si pn 2,5;6 at.	**buc**	**2.00**	**28.19**	**56.39**
				material:	0.00	0.00
				manopera:	28.19	56.39
				utilaj:	0.00	0.00
				transport:	0.00	0.00
4.7.L	6607575	Garnitura de etansare ans plan pn6/2,5 D = 80 M 100-500 g2x4 s1733	buc	2.02	11.60	23.43
4.7.L	5802087	Surub cap hexagonal precis M 16 x130 gr. 5.8 s4272	buc	8.00	15.35	122.80
4.7.L	5843146	Piulita hexagonala speciala s 4071 OL 37 M 16	buc	8.00	1.10	8.80
4.8	**ACB05A1**	Imbinare cu flanse piese leg. flanse armaturi si contoare cu dn 50 mm si pn 2,5-25 at.	**buc**	**2.00**	**14.26**	**28.51**
				material:	0.00	0.00
				manopera:	14.26	28.51
				utilaj:	0.00	0.00
				transport:	0.00	0.00
4.8.L	6607551	Garnitura de etansare ans plan pn6/2,5 D = 50 M 100-500 g2x4 s1733	buc	2.02	7.35	14.85
4.8.L	5802087	Surub cap hexagonal precis M 16 x130 gr. 5.8 s4272	buc	8.00	15.35	122.80
4.8.L	5843146	Piulita hexagonala speciala s 4071 OL 37 M 16	buc	8.00	1.10	8.80
5	**CAMINE DE GOLIRE**					
5.1	**AcE147A01.1+**	Piesa trecere VALROM prin camin PVC / beton D = 90 mm	**buc**	**2.00**	**3.61**	**7.22**
				material:	0.00	0.00
				manopera:	3.61	7.22
				utilaj:	0.00	0.00
				transport:	0.00	0.00
5.1.L	2308342	Piesa trecere prin camin pvc-beton d.90	buc	2.00	54.75	109.50

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (DV METESALE VALEA ALBINII)

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES						
	STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (DV METESALE VALEA ALBINII)					
5.2	AcA52D(+asim)	Sudura cap la cap fiting din PEHD - VALROM PE100 SDR17 cu 1 imbinare (dop/capat flansa)...D = 90 mm [1]	buc	**2.00**	**48.41**	**96.81**
				material:	0.00	0.00
				manopera:	13.31	26.61
				utilaj:	35.10	70.20
				transport:	0.00	0.00
5.2.L	20019546	Capat flansa apa/gaz pe100 d. 90 sdr17	buc	2.00	39.10	78.20
5.3	ACB10B1	Flansa din otel rotunda montata prin sudura electr. avand dn = 80	buc	**2.00**	**43.80**	**87.60**
				material:	6.64	13.28
				manopera:	21.86	43.72
				utilaj:	15.30	30.60
				transport:	0.00	0.00
5.3.L	4427221	Flansa plata libera otel pentru pehd DN 90 cod 66402007	buc	2.00	62.10	124.20
5.4	ACE09C1	Montarea armaturilor cu actionare manuala sau mecanica (robinet vane ventile clap. compens. etc.)dn: 80	buc	**1.00**	**17.39**	**17.39**
				material:	0.00	0.00
				manopera:	17.39	17.39
				utilaj:	0.00	0.00
				transport:	0.00	0.00
5.4.L	11528463	Robinet sertar corp plat dn80	buc	1.00	536.25	536.25
5.5	ACE09C1	Montarea armaturilor cu actionare manuala sau mecanica (robinet vane ventile clap. compens. etc.)dn: 80	buc	**1.00**	**17.39**	**17.39**
				material:	0.00	0.00
				manopera:	17.39	17.39
				utilaj:	0.00	0.00
				transport:	0.00	0.00
5.5.L	4105523	Teu fonta cu flansa pn10 s1882 80x 50	buc	1.00	426.40	426.40
5.6	ACE09A1	Montarea armaturilor cu actionare manuala sau mecanica (robinet vane ventile clap. compens. etc.)dn: 50	buc	**1.00**	**17.39**	**17.39**
				material:	0.00	0.00
				manopera:	17.39	17.39
				utilaj:	0.00	0.00
				transport:	0.00	0.00
5.6.L	3811285	Robinet sertar corp plat dn50	buc	1.00	353.00	353.00
5.7	ACB05A1	Imbinare cu flanse piese leg. flanse armaturi si contoare cu dn 50 mm si pn 2,5-25 at.	buc	**3.00**	**14.26**	**42.77**
				material:	0.00	0.00
				manopera:	14.26	42.77
				utilaj:	0.00	0.00
				transport:	0.00	0.00
5.7.L	6607551	Garnitura de etansare ans plan pn6/2,5 D = 50 M 100-500 g2x4 s1733	buc	3.03	7.35	22.27
5.7.L	5802087	Surub cap hexagonal precis M 16 x130 gr. 5.8 s4272	buc	12.00	15.35	184.20
5.7.L	5843146	Piulita hexagonala speciala s 4071 OL 37 M 16	buc	12.00	1.10	13.20
6	**PROBE**					
6.1	ACE07C1	Spalarea si desinfectarea conductelor de alimentare cu apa avand dn 100	100 m	**1.70**	**79.87**	**135.78**
				material:	16.51	28.07
				manopera:	63.36	107.71
				utilaj:	0.00	0.00
				transport:	0.00	0.00
6.2	ACB13C1	Inchidere capete conducta otel pentru proba presiune avand dn 100	buc	**2.00**	**267.94**	**535.88**
				material:	2.80	5.60
				manopera:	253.44	506.88
				utilaj:	11.70	23.40
				transport:	0.00	0.00
6.2.L	3110325	Teava pentru constructii fara sudura LC 114 x 8 / OLT 35 s 404/2	m	1.00	120.48	120.48

procent	material	manopera	utilaj	transport	total

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (DV METESALE VALEA ALBINII)

0	1		2	3	4	5 = 3 x 4
Total Cheltuieli directe:		**31,597.87**	**17,792.94**	**12,233.48**	**10,154.00**	**71,778.28**
Recapitulatia:	Recap 2019: CAM 2,25					
Contributie asiguratorie pentru munca (CAM)	2.2500 %	0.00	400.34	0.00	0.00	400.34
Total Inclusiv Cheltuieli directe:		**31,597.87**	**18,193.28**	**12,233.48**	**10,154.00**	**72,178.62**
Cheltuieli indirecte	8.0000 %	2,527.83	1,455.46	978.68	812.32	5,774.29
Total Inclusiv Cheltuieli indirecte:		**34,125.69**	**19,648.74**	**13,212.16**	**10,966.32**	**77,952.91**
Profit	5.0000 %	1,706.28	982.44	660.61	548.32	3,897.65
Total Inclusiv Beneficiu:		**35,831.98**	**20,631.18**	**13,872.76**	**11,514.64**	**81,850.56**

OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (DV VALEA ISCAI FERICE)

1 TERASAMENTE

1.1	TSC03C1	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in depozit teren catg 3	100 mc	**2.02**	**940.00**	**1,898.80**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	940.00	1,898.80
				transport:	0.00	0.00
1.2	TSC03G1	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in autovehicule teren catg 3	100 mc	**0.77**	**1,040.00**	**800.80**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	1,040.00	800.80
				transport:	0.00	0.00
1.3	TSA04G1	Sapatura manuala de pamant in spatii limitate,avand sub 1 m latime si maximum 4.50 m adancime,executata cu sprijiniri,cu evacuare manuala,la fundatii,canale,drumuri etc...in pamant cu umiditate naturala adancimea sapaturii 1,5-3 teren foarte tare	mc	**15.00**	**173.97**	**2,609.52**
				material:	1.63	24.44
				manopera:	172.34	2,585.09
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.4	TRA01A05P	Transportul rutier al...pamantului sau molozului cu autobasculanta dist.= 5 km	tona	**139.00**	**10.00**	**1,390.04**
				material:	0.00	0.00
				manopera:	0.00	0.04
				utilaj:	0.00	0.00
				transport:	10.00	1,390.00
1.5	TSF01C1	Sprijiniri de maluri,cu dulapi de fag asezati orizontal,la sapaturi executate in spatii limitate,avand latimea de pana la 1.50 m intre maluri...adancimea sapaturii de 2.01-4 m,intre dulapi 0.21-20 m	mp	**170.00**	**22.03**	**3,745.34**
				material:	3.66	621.69
				manopera:	18.37	3,123.65
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.6	TSA24A1	Epuizarea mecanica a apelor din sapaturi,in teren cu infiltratii puternice de apa,executate cu:...motopompa de apa 6.6-12 Kw (9-16 CP)	ora	**7.00**	**72.00**	**504.00**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	72.00	504.00
				transport:	0.00	0.00
1.7	ACE06A1	Sustineri din lemn pentru cabluri si conducte intilnite in sapatura : grele	m	**26.00**	**57.93**	**1,506.11**
				material:	32.90	855.40
				manopera:	25.03	650.71
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.8	ACE16A1	Montarea parapetelor si podetelor metalice de inventar la santuri pentru conducte	m	**14.00**	**5.07**	**70.96**
				material:	0.00	0.00
				manopera:	5.07	70.96
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (DV VALEA ISCAI FERICE)

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES						
	STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (DV VALEA ISCAI FERICE)					
1.9	CQ16B#-2	Foraj rotativ cu circulatie directa de noroi bentonitic pentru consolidari si etansari de terenuri cu diametrul de la 130 la 200 mm, netubat, exclusiv prepararea si recircularea noroiului:...teren categoria II	m	**25.00**	**476.12**	**11,903.05**
				material:	39.20	979.93
				manopera:	58.92	1,473.12
				utilaj:	378.00	9,450.00
				transport:	0.00	0.00
1.10	20014125	Teava PE 100 SDR11 PN16 D=160x14.60mm	m	**25.00**	**90.80**	**2,270.00**
				material:	90.80	2,270.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2	**REFACERI**					
2.1	DA06A2	Strat de agregate naturale cilindrate (nisip), avand functia de rezidenta filtranta, izolatoare, antigeliva si anticapilara, cu asternere manuala;	mc	**77.00**	**128.50**	**9,894.85**
				material:	82.35	6,340.62
				manopera:	36.75	2,829.66
				utilaj:	9.41	724.57
				transport:	0.00	0.00
2.2	TRA01A40	Transportul rutier al...materialelor,semifabricatelor cu autobasculanta pe dist.= 40 km.	tona	**139.00**	**40.00**	**5,560.00**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	40.00	5,560.00
2.3	TRB01B11	Transportul materialelor cu roaba pe pneuri inc aruncare desc aruncare grupa...1-3 distanta 10m	tona	**35.00**	**22.49**	**787.24**
				material:	0.00	0.00
				manopera:	22.49	787.24
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.4	TSD02C1	Imprastierea pamantului afanat provenit din teren categoria 1 sau 2,executata cu buldozer pe tractor cu senile de 65-80 CP,in straturi cu grosimea de:...31-50 cm	100 mc	**2.17**	**188.00**	**407.96**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	188.00	407.96
				transport:	0.00	0.00
2.5	TSD06A1	Compactarea cu placa vibratoare a umpluturilor in straturi de 20-30 cm grosime,exclusiv udarea fiecarui strat in parte,umpluturile executandu-se din pamant necoeziv,compactat cu:...placa vibratoare de 0.7 t	100 mc	**2.17**	**286.39**	**621.47**
				material:	0.00	0.00
				manopera:	139.39	302.48
				utilaj:	147.00	318.99
				transport:	0.00	0.00
3	**INSTALATII**					
3.1	RPAB13G1	Manevrarea (inchidere-deschidere) vane pentru izolare zone retea...manual in camin vana d= 50-200 mm	buc	**2.00**	**12.20**	**24.39**
				material:	0.00	0.00
				manopera:	12.20	24.39
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.2	RPAC18A1	Taierea in sant cu flacara oxiacetilenica a tevilor din otel avand diam....200 mm	buc	**4.00**	**22.98**	**91.93**
				material:	3.34	13.36
				manopera:	19.64	78.57
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.3	ACB08C1(ASIM)	Montarea in pamant a tevilor din polietilena de presiune, de inalta densitate, densitate alimentarilor cu apa, asamblate prin sudare, avand diametrul de 90-110mm	m	**280.00**	**10.29**	**2,881.79**
				material:	2.96	827.71
				manopera:	6.34	1,774.08
				utilaj:	1.00	280.00
				transport:	0.00	0.00
3.3.L	6701128	Teava HDPE 80 312uni7611.7615 pn6 DN 90x5.1 cod 64000091	m	284.20	19.00	5,399.80

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (DV VALEA ISCAI FERICE)

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES						
	STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (DV VALEA ISCAI FERICE)					
3.4	W2H05A-1% (asim)	Montat banda avertizoare	m	284.20	1.83	521.1
				material:	0.57	161.00
				manopera:	1.27	360.1
				utilaj:	0.00	0.0
				transport:	0.00	0.00
3.5	EB01A1 (asim)	Montat conductor insotitor din cupru	m	284.20	1.95	554.8
				material:	1.00	284.7
				manopera:	0.95	270.10
				utilaj:	0.00	0.00
				transport:	0.00	0.0
3.6	AcE09F1 [ASIM1] [1]	Sudura prin electrofuziune teu electrosudabil din PEHD D = 125-160 mm	buc	1.00	70.46	70.46
				material:	15.59	15.59
				manopera:	27.88	27.8
				utilaj:	27.00	27.0
				transport:	0.00	0.00
3.6.L	20013725	Teu redus PE 100125/90 SDR17	buc	1.00	222.65	222.6
3.7	AcA54D+	Sudura cap la cap fiting din PEHD - VALROM PE100 SDR 17 cu 2 imbinari (cot/reductie)...D = 90 mm	buc	4.00	189.82	759.2
				material:	0.00	0.00
				manopera:	49.42	197.6
				utilaj:	140.40	561.6
				transport:	0.00	0.00
3.7.L	2304331	Cot 90x45 PE100 SDR17	buc	4.00	61.95	247.80
3.8	AcE09D1 [1]	Sudura prin electrofuziune mufa/cot electrosudabil din PEHD D = 90-110mm	buc	12.00	57.86	694.37
				material:	2.99	35.83
				manopera:	27.88	334.54
				utilaj:	27.00	324.0
				transport:	0.00	0.00
3.8.L	20020227	Mufa electrosudabila <safekit> pehd d. 90	buc	12.00	42.65	511.80
3.9	AcE09D1 [1]	Sudura prin electrofuziune mufa/cot electrosudabil din PEHD D = 90-110mm	buc	1.00	62.57	62.57
				material:	7.70	7.70
				manopera:	27.88	27.88
				utilaj:	27.00	27.0
				transport:	0.00	0.0
3.9.L	20020293	Dop electrosudabil d. 90	buc	1.00	109.95	109.95
4	CAMINE DE AERISIRE-DEZAERISIRE					
4.1	AcE147A01.1+	Piesa trecere VALROM prin camin PVC / beton D = 90 mm	buc	2.00	3.61	7.22
				material:	0.00	0.00
				manopera:	3.61	7.22
				utilaj:	0.00	0.00
				transport:	0.00	0.00
4.1.L	2308342	Piesa trecere prin camin pvc-beton d.90	buc	2.00	54.75	109.50
4.2	AcA52D(+asim)	Sudura cap la cap fiting din PEHD - VALROM PE100 SDR17 cu 1 imbinare (dop/capat flansa)...D = 90 mm [1]	buc	2.00	48.41	96.81
				material:	0.00	0.00
				manopera:	13.31	26.61
				utilaj:	35.10	70.20
				transport:	0.00	0.00
4.2.L	20019546	Capat flansa apa/gaz pe100 d. 90 sdr17	buc	2.00	39.10	78.20
4.3	ACB10B1	Flansa din otel rotunda montata prin sudura electr. avand dn = 80	buc	2.00	43.80	87.60
				material:	6.64	13.28
				manopera:	21.86	43.72
				utilaj:	15.30	30.60
				transport:	0.00	0.00
4.3.L	4427221	Flansa plata libera otel pentru pehd DN 90 cod 66402007	buc	2.00	62.10	124.20

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (DV VALEA ISCAI FERICE)

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES						
	STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (DV VALEA ISCAI FERICE)					
4.4	ACE09C1	Montarea armaturilor cu actionare manuala sau mecanica (robinet vane ventile clap. compens. etc.)dn: 80	buc	1.00	17.39	17.39
				material:	0.00	0.00
				manopera:	17.39	17.39
				utilaj:	0.00	0.00
				transport:	0.00	0.00
4.4.L	4105523	Teu fonta cu flansa pn10 s1882 80x 50	buc	1.00	426.40	426.40
4.5	ACE09A1	Montarea armaturilor cu actionare manuala sau mecanica (robinet vane ventile clap. compens. etc.)dn: 50	buc	1.00	17.39	17.39
				material:	0.00	0.00
				manopera:	17.39	17.39
				utilaj:	0.00	0.00
				transport:	0.00	0.00
4.5.L	3811285	Robinet sertar corp plat dn50	buc	1.00	353.00	353.00
4.6	ACE09A1	Montarea armaturilor cu actionare manuala sau mecanica (robinet vane ventile clap. compens. etc.)dn: 50	buc	1.00	17.39	17.39
				material:	0.00	0.00
				manopera:	17.39	17.39
				utilaj:	0.00	0.00
				transport:	0.00	0.00
4.6.L	17000600229	Robinet de aerisire dezaerisire dublu, dn 50	buc	1.00	1,450.00	1,450.00
4.7	ACB05B1	Imbinare cu flanse piese leg. flanse armaturi si contoare cu dn 80 mm si pn 2,5;6 at.	buc	2.00	28.19	56.39
				material:	0.00	0.00
				manopera:	28.19	56.39
				utilaj:	0.00	0.00
				transport:	0.00	0.00
4.7.L	6607575	Garnitura de etansare ans plan pn6/2,5 D = 80 M 100-500 g2x4 s1733	buc	2.02	11.60	23.43
4.7.L	5802087	Surub cap hexagonal precis M 16 x130 gr. 5.8 s4272	buc	8.00	15.35	122.80
4.7.L	5843146	Piulita hexagonala speciala s 4071 OL 37 M 16	buc	8.00	1.10	8.80
4.8	ACB05A1	Imbinare cu flanse piese leg. flanse armaturi si contoare cu dn 50 mm si pn 2,5-25 at.	buc	2.00	14.26	28.51
				material:	0.00	0.00
				manopera:	14.26	28.51
				utilaj:	0.00	0.00
				transport:	0.00	0.00
4.8.L	6607551	Garnitura de etansare ans plan pn6/2,5 D = 50 M 100-500 g2x4 s1733	buc	2.02	7.35	14.85
4.8.L	5802087	Surub cap hexagonal precis M 16 x130 gr. 5.8 s4272	buc	8.00	15.35	122.80
4.8.L	5843146	Piulita hexagonala speciala s 4071 OL 37 M 16	buc	8.00	1.10	8.80
5	**CAMINE DE GOLIRE**					
5.1	AcE147A01.1+	Piesa trecere VALROM prin camin PVC / beton D = 90 mm	buc	2.00	3.61	7.22
				material:	0.00	0.00
				manopera:	3.61	7.22
				utilaj:	0.00	0.00
				transport:	0.00	0.00
5.1.L	2308342	Piesa trecere prin camin pvc-beton d.90	buc	2.00	54.75	109.50
5.2	AcA52D(+asim)	Sudura cap la cap fiting din PEHD - VALROM PE100 SDR17 cu 1 imbinare (dop/capat flansa)...D = 90 mm [1]	buc	2.00	48.41	96.81
				material:	0.00	0.00
				manopera:	13.31	26.61
				utilaj:	35.10	70.20
				transport:	0.00	0.00
5.2.L	20019546	Capat flansa apa/gaz pe100 d. 90 sdr17	buc	2.00	39.10	78.20

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (DV VALEA ISCAI FERICE)

0	1		2	3	4	5 = 3 x 4
OBIECTUL:	EXTINDERE RETEA APA SI BRANSAMENTE SAT METES					
	STADIUL FIZIC:	EXTINDERE RETEA DISTRIBUTIE APA (DV VALEA ISCAI FERICE)				
5.3	**ACB10B1**	Flansa din otel rotunda montata prin sudura electr. avand dn = 80	**buc**	**2.00**	**43.80**	**87.60**
				material:	6.64	13.28
				manopera:	21.86	43.72
				utilaj:	15.30	30.60
				transport:	0.00	0.00
5.3.L	4427221	Flansa plata libera otel pentru pehd DN 90 cod 66402007	buc	2.00	62.10	124.20
5.4	**ACE09C1**	Montarea armaturilor cu actionare manuala sau mecanica (robinet vane ventile clap. compens. etc.)dn: 80	**buc**	**1.00**	**17.39**	**17.39**
				material:	0.00	0.00
				manopera:	17.39	17.39
				utilaj:	0.00	0.00
				transport:	0.00	0.00
5.4.L	11528463	Robinet sertar corp plat dn80	buc	1.00	536.25	536.25
5.5	**ACE09C1**	Montarea armaturilor cu actionare manuala sau mecanica (robinet vane ventile clap. compens. etc.)dn: 80	**buc**	**1.00**	**17.39**	**17.39**
				material:	0.00	0.00
				manopera:	17.39	17.39
				utilaj:	0.00	0.00
				transport:	0.00	0.00
5.5.L	4105523	Teu fonta cu flansa pn10 s1882 80x 50	buc	1.00	426.40	426.40
5.6	**ACE09A1**	Montarea armaturilor cu actionare manuala sau mecanica (robinet vane ventile clap. compens. etc.)dn: 50	**buc**	**1.00**	**17.39**	**17.39**
				material:	0.00	0.00
				manopera:	17.39	17.39
				utilaj:	0.00	0.00
				transport:	0.00	0.00
5.6.L	3811285	Robinet sertar corp plat dn50	buc	1.00	353.00	353.00
5.7	**ACB05A1**	Imbinare cu flanse piese leg. flanse armaturi si contoare cu dn 50 mm si pn 2,5-25 at.	**buc**	**3.00**	**14.26**	**42.77**
				material:	0.00	0.00
				manopera:	14.26	42.77
				utilaj:	0.00	0.00
				transport:	0.00	0.00
5.7.L	6607551	Garnitura de etansare ans plan pn6/2,5 D = 50 M 100-500 g2x4 s1733	buc	3.03	7.35	22.27
5.7.L	5802087	Surub cap hexagonal precis M 16 x130 gr. 5.8 s4272	buc	12.00	15.35	184.20
5.7.L	5843146	Piulita hexagonala speciala s 4071 OL 37 M 16	buc	12.00	1.10	13.20
6	**CAMINE CU REDUCTOR**					
6.1	**AcE147A01.1+**	Piesa trecere VALROM prin camin PVC / beton D = 90 mm	**buc**	**2.00**	**3.61**	**7.22**
				material:	0.00	0.00
				manopera:	3.61	7.22
				utilaj:	0.00	0.00
				transport:	0.00	0.00
6.1.L	2308342	Piesa trecere prin camin pvc-beton d.90	buc	2.00	54.75	109.50
6.2	**AcA52D(+asim)**	Sudura cap la cap fiting din PEHD - VALROM PE100 SDR17 cu 1 imbinare (dop/capat flansa)...D = 90 mm [1]	**buc**	**2.00**	**48.41**	**96.81**
				material:	0.00	0.00
				manopera:	13.31	26.61
				utilaj:	35.10	70.20
				transport:	0.00	0.00
6.2.L	20019546	Capat flansa apa/gaz pe100 d. 90 sdr17	buc	2.00	39.10	78.20
6.3	**ACB10B1**	Flansa din otel rotunda montata prin sudura electr. avand dn = 80	**buc**	**2.00**	**43.80**	**87.60**
				material:	6.64	13.28
				manopera:	21.86	43.72
				utilaj:	15.30	30.60
				transport:	0.00	0.00
6.3.L	4427221	Flansa plata libera otel pentru pehd DN 90 cod 66402007	buc	2.00	62.10	124.20

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (DV VALEA ISCAI FERICE)

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES						
STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA (DV VALEA ISCAI FERICE)						
6.4	ACE09C1	Montarea armaturilor cu actionare manuala sau mecanica (robinet vane ventile clap. compens. etc.)dn: 80	buc	**2.00**	**17.39**	**34.78**
				material:	0.00	0.00
				manopera:	17.39	34.78
				utilaj:	0.00	0.00
				transport:	0.00	0.00
6.4.L	11528463	Robinet sertar corp plat dn80	buc	2.00	536.25	1,072.50
6.5	ACE09C1	Montarea armaturilor cu actionare manuala sau mecanica (robinet vane ventile clap. compens. etc.)dn: 80	buc	**1.00**	**17.39**	**17.39**
				material:	0.00	0.00
				manopera:	17.39	17.39
				utilaj:	0.00	0.00
				transport:	0.00	0.00
6.5.L	11584659	Filtru Y PN16 DN 80	buc	1.00	573.65	573.65
6.6	ACE09D1	Montarea armaturilor cu actionare manuala sau mecanica (robinet vane ventile clap. compens. etc.)dn: 100	buc	**1.00**	**17.39**	**17.39**
				material:	0.00	0.00
				manopera:	17.39	17.39
				utilaj:	0.00	0.00
				transport:	0.00	0.00
6.6.L	17000879094	Reductor de presiune dn.80,pn.16	buc	1.00	12,321.45	12,321.45
6.7	ACB05B1	Imbinare cu flanse piese leg. flanse armaturi si contoare cu dn 80 mm si pn 2,5;6 at.	buc	**5.00**	**28.19**	**140.97**
				material:	0.00	0.00
				manopera:	28.19	140.97
				utilaj:	0.00	0.00
				transport:	0.00	0.00
6.7.L	6607575	Garnitura de etansare ans plan pn6/2,5 D = 80 M 100-500 g2x4 s1733	buc	5.05	11.60	58.58
6.7.L	5802087	Surub cap hexagonal precis M 16 x130 gr. 5.8 s4272	buc	20.00	15.35	307.00
6.7.L	5843146	Piulita hexagonala speciala s 4071 OL 37 M 16	buc	20.00	1.10	22.00
7	**PROBE**					
7.1	ACE07B1	Spalarea si desinfectarea conductelor de alimentare cu apa avand dn 80	100 m	**2.84**	**60.28**	**171.21**
				material:	10.55	29.95
				manopera:	49.74	141.25
				utilaj:	0.00	0.00
				transport:	0.00	0.00
7.2	ACB13B1	Inchidere capete conducta otel pentru proba presiune avand dn 80	buc	**2.00**	**267.32**	**534.65**
				material:	2.19	4.37
				manopera:	253.44	506.88
				utilaj:	11.70	23.40
				transport:	0.00	0.00
7.2.L	3110131	Teava pentru constructii fara sudura LC 108 x 8 / OLT 35 s 404/2	m	1.00	68.00	68.00

	procent	material	manopera	utilaj	transport	total
Total Cheltuieli directe:		**38,429.21**	**16,241.55**	**15,650.52**	**6,950.00**	**77,271.28**
Recapitulatia:	Recap 2019: CAM 2,25					
Contributie asiguratorie pentru munca (CAM)	2.2500 %	0.00	365.43	0.00	0.00	365.43
Total Inclusiv Cheltuieli directe:		**38,429.21**	**16,606.98**	**15,650.52**	**6,950.00**	**77,636.71**
Cheltuieli indirecte	8.0000 %	3,074.34	1,328.56	1,252.04	556.00	6,210.94
Total Inclusiv Cheltuieli indirecte:		**41,503.55**	**17,935.54**	**16,902.56**	**7,506.00**	**83,847.65**
Profit	5.0000 %	2,075.18	896.78	845.13	375.30	4,192.38
Total Inclusiv Beneficiu:		**43,578.72**	**18,832.32**	**17,747.69**	**7,881.30**	**88,040.03**

OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES

STADIUL FIZIC: BRANSAMENT APA (De 125 mm)_(5 buc.)

STADIUL FIZIC: BRANSAMENT APA (De 125 mm)_(5 buc.)

0	1	2	3	4	5 = 3 x 4

OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES

STADIUL FIZIC: BRANSAMENT APA (De 125 mm)_(5 buc.)

1 TERASAMENTE

1.1	TSC03C1	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in depozit teren catg 3	100 mc	**0.04**	**940.00**	**37.60**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	940.00	37.60
				transport:	0.00	0.00
1.2	TSC03G1	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in autovehicule teren catg 3	100 mc	**0.09**	**1,040.00**	**93.60**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	1,040.00	93.60
				transport:	0.00	0.00
1.3	TSA04G1	Sapatura manuala de pamant in spatii limitate,avand sub 1 m latime si maximum 4.50 m adancime,executata cu sprijiniri,cu evacuare manuala,la fundatii,canale,drumuri etc...in pamant cu umiditate naturala adancimea sapaturii 1,5-3 teren foarte tare	mc	**1.40**	**173.97**	**243.56**
				material:	1.63	2.28
				manopera:	172.34	241.27
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.4	TRA01A05P	Transportul rutier al...pamantului sau molozului cu autobasculanta dist.= 5 km	tona	**16.20**	**10.00**	**162.01**
				material:	0.00	0.00
				manopera:	0.00	0.01
				utilaj:	0.00	0.00
				transport:	10.00	162.00

2 REFACERI

2.1	DA06A2	Strat de agregate naturale cilindrate (nisip), avand functia de rezidenta filtranta, izolatoare, antigeliva si anticapilara, cu asternere manuala;	mc	**1.14**	**128.50**	**146.50**
				material:	82.35	93.87
				manopera:	36.75	41.89
				utilaj:	9.41	10.73
				transport:	0.00	0.00
2.2	TRA01A40	Transportul rutier al...materialelor,semifabricatelor cu autobasculanta pe dist.= 40 km.	tona	**2.05**	**40.00**	**82.00**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	40.00	82.00
2.3	TRB01B11	Transportul materialelor cu roaba pe pneuri inc aruncare desc aruncare grupa...1-3 distanta 10m	tona	**0.50**	**22.49**	**11.25**
				material:	0.00	0.00
				manopera:	22.49	11.25
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.4	TSD02C1	Imprastierea pamantului afanat provenit din teren categoria 1 sau 2,executata cu buldozer pe tractor cu senile de 65-80 CP,in straturi cu grosimea de:...31-50 cm	100 mc	**0.05**	**188.00**	**10.15**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	188.00	10.15
				transport:	0.00	0.00
2.5	TSD06A1	Compactarea cu placa vibratoare a umpluturilor in straturi de 20-30 cm grosime,exclusiv udarea fiecarui strat in parte,umpluturile executandu-se din pamant necoeziv,compactat cu:...placa vibratoare de 0.7 t	100 mc	**0.05**	**286.39**	**15.47**
				material:	0.00	0.00
				manopera:	139.39	7.53
				utilaj:	147.00	7.94
				transport:	0.00	0.00

3 INSTALATII

STADIUL FIZIC: BRANSAMENT APA (De 125 mm)_(5 buc.)

0	1	2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES					
	STADIUL FIZIC: BRANSAMENT APA (De 125 mm)_(5 buc.)				
3.1	**ACA12A(+asim)** Montarea in pamant a tevilor din polietilena de presiune, de inalta densitatae, densitate alimentarilor cu apa, asamblate prin metoda de sudare manuala, cu manson de polietilena, cu flanse, conform normativului I-6-PE, avand diametrul de: 20-25mm	**m**	**5.00**	**9.80**	**48.99**
			material:	2.66	13.31
			manopera:	6.34	31.68
			utilaj:	0.80	4.00
			transport:	0.00	0.00
3.1.L	6701122 Teava HDPE 80 312uni7611.7615 pn6 DN 25x1.6 cod 64000085	m	5.10	2.15	10.97
3.2	**W2H05A-1% (asim)** Montat banda avertizoare	**m**	**5.10**	**1.83**	**9.35**
			material:	0.57	2.89
			manopera:	1.27	6.46
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.3	**EB01A1 (asim)** Montat conductor insotitor din cupru	**m**	**5.10**	**1.95**	**9.96**
			material:	1.00	5.11
			manopera:	0.95	4.85
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.4	**AcA62D+** Sudura prin electrofuziune sa/teu bransament electrosudabil cu/fara colier din PEHD - VALROM...D = 90-160 mm	**buc**	**1.00**	**17.01**	**17.01**
			material:	0.00	0.00
			manopera:	15.21	15.21
			utilaj:	1.80	1.80
			transport:	0.00	0.00
3.5	**7106606** Teu bransament pe80 sdr11 125mm x 25mm sr	**buc**	**1.00**	**178.60**	**178.60**
			material:	178.60	178.60
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.6	**AcA54A+ (ASIM)** Sudura cap la cap fiting din PEHD PE100 SDR 17 cu 2 imbinari D = 20 - 50 mm	**buc**	**3.00**	**138.72**	**416.15**
			material:	0.00	0.00
			manopera:	36.12	108.35
			utilaj:	102.60	307.80
			transport:	0.00	0.00
3.7	**20010127** Mufa electrosudabila pehd dn=25mm	**buc**	**2.00**	**14.80**	**29.60**
			material:	14.80	29.60
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.8	**11804882** Racord FI 25 x 3/4	**buc**	**1.00**	**15.05**	**15.05**
			material:	15.05	15.05
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.9	**AcA65B+** Imbinare fiting de compresiune din PEHD - VALROM cu 2 imbinari (racord/cot tip FE sau FI)...D = 25-32 x ¾"	**buc**	**2.00**	**4.56**	**9.12**
			material:	0.12	0.25
			manopera:	4.44	8.87
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.9.L	20020489 Racord <waterkit> compres.d. 25x3/4 fi	buc	2.00	15.05	30.10
3.10	**C34C1** Fitinguri din fonta maleabila pentru imbin. insurub. tevi. otel piesele fiind cu 2 insurub. pentru d=3/4 toli	**buc**	**4.00**	**7.13**	**28.52**
			material:	0.16	0.64
			manopera:	6.97	27.88
			utilaj:	0.00	0.00
			transport:	0.00	0.00

STADIUL FIZIC: BRANSAMENT APA (De 125 mm)_(5 buc.)

0	1	2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES					
STADIUL FIZIC: BRANSAMENT APA (De 125 mm)_(5 buc.)					
3.11	4123164 Niplu normal zincat DN 3/4 cod 45028003	buc	**2.00**	**3.95**	**7.90**
			material:	3.95	7.90
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.12	4113845 Reductie zincata fi-fe DN 3/4x1/2 cod 45024103	buc	**2.00**	**3.50**	**7.00**
			material:	3.50	7.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.13	IC34B1 Fitinguri din fonta maleabila pentru imbin. insurub. tevi. otel piesele fiind cu 2 insurub. pentru d=1/2 toli	buc	**1.00**	**5.19**	**5.19**
			material:	0.12	0.12
			manopera:	5.07	5.07
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.14	4123114 Niplu normal zincat DN 1/2 cod 45028002	buc	**1.00**	**3.05**	**3.05**
			material:	3.05	3.05
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.15	IC34M1 Fitinguri din fonta maleabila pentru imbin. insurub. tevi. otel piesele fiind cu 3 insurub. pentru d=3/4 toli	buc	**1.00**	**13.55**	**13.55**
			material:	0.24	0.24
			manopera:	13.31	13.31
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.16	4114614 Teu redus zincat DN 3/4x1/2x3/4 cod 45r13008	buc	**1.00**	**5.65**	**5.65**
			material:	5.65	5.65
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.17	SD10B1 Robinet...trecere din am,pentru tevi plumb cu d=3/4 ,roata manevra bachelita,simbol a 83-3/4	buc	**2.00**	**82.10**	**164.19**
			material:	59.92	119.84
			manopera:	22.18	44.35
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.17.	4204427 Robinet de trecere cu sfera pentru apa, tip fi - fi cu D = 3/4"	buc	2.00	20.95	41.90
3.18	SD10A1 Robinet...de trecere din alama pentru tevi de plumb,cu diametrul d=3/8 sau d=1/2 toli	buc	**1.00**	**51.59**	**51.59**
			material:	33.53	33.53
			manopera:	18.06	18.06
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.18.	4204422 Robinet de trecere cu sfera pentru apa, tip fi - fi cu D = 1/2"	buc	1.00	12.00	12.00
3.19	ACE12A1 Montare contor de apa cu palete avand d 15 mm	buc	**1.00**	**42.81**	**42.81**
			material:	6.38	6.38
			manopera:	36.43	36.43
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.20	20032489 APOMETRU DN15	buc	**1.00**	**222.20**	**222.20**
			material:	222.20	222.20
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00

STADIUL FIZIC: BRANSAMENT APA (De 125 mm)_(5 buc.)

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES						
STADIUL FIZIC: BRANSAMENT APA (De 125 mm)_(5 buc.)						
3.21	AcD101A03+ (asim1)	Camine prefabricate din beton pentru apa, avand:d=80cm, H=130 cm, g=12cm, pentru imbinare cu garnitura	buc	1.00	674.46	674.46
				material:	645.00	645.00
				manopera:	29.46	29.46
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.22	ACD01J1	Capac si rama STAS 2308-81 pentru camine cu piesa suport carosabil tip III a	buc	1.00	882.14	882.14
				material:	812.44	812.44
				manopera:	69.70	69.70
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.23	ACE07A1	Spalarea si desinfectarea conductelor de alimentare cu apa avand dn 50	100 m	0.05	53.90	2.69
				material:	4.16	0.21
				manopera:	49.74	2.49
				utilaj:	0.00	0.00
				transport:	0.00	0.00

	procent	material	manopera	utilaj	transport	total
Total Cheltuieli directe:		2,300.12	724.10	473.62	244.00	3,741.84
Recapitulatia:	Recap 2019: CAM 2,25					
Contributie asiguratorie pentru munca (CAM)	2.2500 %	0.00	16.29	0.00	0.00	16.29
Total Inclusiv Cheltuieli directe:		2,300.12	740.39	473.62	244.00	3,758.13
Cheltuieli indirecte	8.0000 %	184.01	59.23	37.89	19.52	300.65
Total Inclusiv Cheltuieli indirecte:		2,484.13	799.62	511.51	263.52	4,058.78
Profit	5.0000 %	124.21	39.98	25.58	13.18	202.94
Total Inclusiv Beneficiu:		2,608.34	839.60	537.08	276.70	4,261.72

OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES

STADIUL FIZIC: BRANSAMENT APA (De 110 mm)_(10 buc.)

1 TERASAMENTE

1.1	TSC03C1	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in depozit teren catg 3	100 mc	0.04	940.00	37.60
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	940.00	37.60
				transport:	0.00	0.00
1.2	TSC03G1	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in autovehicule teren catg 3	100 mc	0.09	1,040.00	93.60
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	1,040.00	93.60
				transport:	0.00	0.00
1.3	TSA04G1	Sapatura manuala de pamant in spatii limitate,avand sub 1 m latime si maximum 4.50 m adancime,executata cu sprijiniri,cu evacuare manuala,la fundatii,canale,drumuri etc...in pamant cu umiditate naturala adancimea sapaturii 1,5-3 teren foarte tare	mc	1.40	173.97	243.56
				material:	1.63	2.28
				manopera:	172.34	241.27
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.4	TRA01A05P	Transportul rutier al...pamantului sau molozului cu autobasculanta dist.= 5 km	tona	16.20	10.00	162.01
				material:	0.00	0.00
				manopera:	0.00	0.01
				utilaj:	0.00	0.00
				transport:	10.00	162.00

2 REFACERI

STADIUL FIZIC: BRANSAMENT APA (De 110 mm)_(10 buc.)

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES						
	STADIUL FIZIC: BRANSAMENT APA (De 110 mm)_(10 buc.)					
2.1	DA06A2	Strat de agregate naturale cilindrate (nisip), avand functia de rezidenta filtranta, izolatoare, antigeliva si anticapilara, cu asternere manuala;	mc	1.14	128.50	146.50
				material:	82.35	93.87
				manopera:	36.75	41.89
				utilaj:	9.41	10.73
				transport:	0.00	0.00
2.2	TRA01A40	Transportul rutier al...materialelor,semifabricatelor cu autobasculanta pe dist.= 40 km.	tona	2.05	40.00	82.00
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	40.00	82.00
2.3	TRB01B11	Transportul materialelor cu roaba pe pneuri inc aruncare desc aruncare grupa...1-3 distanta 10m	tona	0.50	22.49	11.25
				material:	0.00	0.00
				manopera:	22.49	11.25
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.4	TSD02C1	Imprastierea pamantului afanat provenit din teren categoria 1 sau 2,executata cu buldozer pe tractor cu senile de 65-80 CP,in straturi cu grosimea de:...31-50 cm	100 mc	0.05	188.00	10.15
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	188.00	10.15
				transport:	0.00	0.00
2.5	TSD06A1	Compactarea cu placa vibratoare a umpluturilor in straturi de 20-30 cm grosime,exclusiv udarea fiecarui strat in parte,umpluturile executandu-se din pamant necoeziv,compactat cu:...placa vibratoare de 0.7 t	100 mc	0.05	286.39	15.47
				material:	0.00	0.00
				manopera:	139.39	7.53
				utilaj:	147.00	7.94
				transport:	0.00	0.00
3	INSTALATII					
3.1	ACA12A(+asim)	Montarea in pamant a tevilor din polietilena de presiune, de inalta densitatae, densitate alimentarilor cu apa, asamblate prin metoda de sudare manuala, cu manson de polietilena, cu flanse, conform normativului I-6-PE, avand diametrul de: 20-25mm	m	5.00	9.80	48.99
				material:	2.66	13.31
				manopera:	6.34	31.68
				utilaj:	0.80	4.00
				transport:	0.00	0.00
3.1.L	6701122	Teava HDPE 80 312uni7611.7615 pn6 DN 25x1.6 cod 64000085	m	5.10	2.15	10.97
3.2	W2H05A-1% (asim)	Montat banda avertizoare	m	5.10	1.83	9.35
				material:	0.57	2.89
				manopera:	1.27	6.46
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.3	EB01A1 (asim)	Montat conductor insotitor din cupru	m	5.10	1.95	9.96
				material:	1.00	5.11
				manopera:	0.95	4.85
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.4	AcA62D+	Sudura prin electrofuziune sa/teu bransament electrosudabil cu/fara colier din PEHD - VALROM...D = 90-160 mm	buc	1.00	17.01	17.01
				material:	0.00	0.00
				manopera:	15.21	15.21
				utilaj:	1.80	1.80
				transport:	0.00	0.00
3.5	17000319970	Teu bransament cu colier d=110x25	buc	1.00	173.35	173.35
				material:	173.35	173.35
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: BRANSAMENT APA (De 110 mm)_(10 buc.)

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES						
	STADIUL FIZIC: BRANSAMENT APA (De 110 mm)_(10 buc.)					
3.6	**AcA54A+ (ASIM)**	Sudura cap la cap fiting din PEHD PE100 SDR 17 cu 2 imbinari D = 20 - 50 mm	**buc**	**3.00**	**138.72**	**416.15**
				material:	0.00	0.00
				manopera:	36.12	108.35
				utilaj:	102.60	307.80
				transport:	0.00	0.00
3.7	**20010127**	Mufa electrosudabila pehd dn=25mm	**buc**	**2.00**	**14.80**	**29.60**
				material:	14.80	29.60
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.8	**11804882**	Racord Fl 25 x 3/4	**buc**	**1.00**	**15.05**	**15.05**
				material:	15.05	15.05
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.9	**AcA65B+**	Imbinare fiting de compresiune din PEHD - VALROM cu 2 imbinari (racord/cot tip FE sau FI)...D = 25-32 x ¾"	**buc**	**2.00**	**4.56**	**9.12**
				material:	0.12	0.25
				manopera:	4.44	8.87
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.9.L	20020489	Racord <waterkit> compres.d. 25x3/4 fi	buc	2.00	15.05	30.10
3.10	**IC34C1**	Fitinguri din fonta maleabila pentru imbin. insurub. tevi. otel piesele fiind cu 2 insurub. pentru d=3/4 toli	**buc**	**4.00**	**7.13**	**28.52**
				material:	0.16	0.64
				manopera:	6.97	27.88
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.11	**4123164**	Niplu normal zincat DN 3/4 cod 45028003	**buc**	**2.00**	**3.95**	**7.90**
				material:	3.95	7.90
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.12	**4113845**	Reductie zincata fi-fe DN 3/4x1/2 cod 45024103	**buc**	**2.00**	**3.50**	**7.00**
				material:	3.50	7.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.13	**IC34B1**	Fitinguri din fonta maleabila pentru imbin. insurub. tevi. otel piesele fiind cu 2 insurub. pentru d=1/2 toli	**buc**	**1.00**	**5.19**	**5.19**
				material:	0.12	0.12
				manopera:	5.07	5.07
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.14	**4123114**	Niplu normal zincat DN 1/2 cod 45028002	**buc**	**1.00**	**3.05**	**3.05**
				material:	3.05	3.05
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.15	**IC34M1**	Fitinguri din fonta maleabila pentru imbin. insurub. tevi. otel piesele fiind cu 3 insurub. pentru d=3/4 toli	**buc**	**1.00**	**13.55**	**13.55**
				material:	0.24	0.24
				manopera:	13.31	13.31
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.16	**4114614**	Teu redus zincat DN 3/4x1/2x3/4 cod 45r13008	**buc**	**1.00**	**5.65**	**5.65**
				material:	5.65	5.65
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: BRANSAMENT APA (De 110 mm)_(10 buc.)

0	1	2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES					
STADIUL FIZIC: BRANSAMENT APA (De 110 mm)_(10 buc.)					
3.17 **SD10B1**	Robinet...trecere din am,pentru tevi plumb cu d=3/4 ,roata manevra bachelita,simbol a 83-3/4	**buc**	**2.00**	**82.10**	**164.19**
			material:	59.92	119.84
			manopera:	22.18	44.35
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.17. 4204427	Robinet de trecere cu sfera pentru apa, tip fi - fi cu D = 3/4"	buc	2.00	20.95	41.90
3.18 **SD10A1**	Robinet...de trecere din alama pentru tevi de plumb,cu diametrul d=3/8 sau d=1/2 toli	**buc**	**1.00**	**51.59**	**51.59**
			material:	33.53	33.53
			manopera:	18.06	18.06
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.18. 4204422	Robinet de trecere cu sfera pentru apa, tip fi - fi cu D = 1/2"	buc	1.00	12.00	12.00
3.19 **ACE12A1**	Montare contor de apa cu palete avand d 15 mm	**buc**	**1.00**	**42.81**	**42.81**
			material:	6.38	6.38
			manopera:	36.43	36.43
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.20 **20032489**	APOMETRU DN15	**buc**	**1.00**	**222.20**	**222.20**
			material:	222.20	222.20
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.21 **AcD101A03+ (asim1)**	Camine prefabricate din beton pentru apa, avand:d=80cm, H=130 cm, g=12cm, pentru imbinare cu garnitura	**buc**	**1.00**	**674.46**	**674.46**
			material:	645.00	645.00
			manopera:	29.46	29.46
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.22 **ACD01J1**	Capac si rama STAS 2308-81 pentru camine cu piesa suport carosabil tip III a	**buc**	**1.00**	**882.14**	**882.14**
			material:	812.44	812.44
			manopera:	69.70	69.70
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.23 **ACE07A1**	Spalarea si desinfectarea conductelor de alimentare cu apa avand dn 50	**100 m**	**0.05**	**53.90**	**2.69**
			material:	4.16	0.21
			manopera:	49.74	2.49
			utilaj:	0.00	0.00
			transport:	0.00	0.00

	procent	material	manopera	utilaj	transport	total
Total Cheltuieli directe:		**2,294.87**	**724.10**	**473.62**	**244.00**	**3,736.59**
Recapitulatia:	Recap 2019: CAM 2,25					
Contributie asiguratorie pentru munca (CAM)	2.2500 %	0.00	16.29	0.00	0.00	16.29
Total Inclusiv Cheltuieli directe:		**2,294.87**	**740.39**	**473.62**	**244.00**	**3,752.88**
Cheltuieli indirecte	8.0000 %	183.59	59.23	37.89	19.52	300.23
Total Inclusiv Cheltuieli indirecte:		**2,478.46**	**799.62**	**511.51**	**263.52**	**4,053.11**
Profit	5.0000 %	123.92	39.98	25.58	13.18	202.66
Total Inclusiv Beneficiu:		**2,602.39**	**839.60**	**537.08**	**276.70**	**4,255.77**

OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES

STADIUL FIZIC: BRANSAMENT APA (De 90 mm)_(15 buc.)

1 TERASAMENTE

STADIUL FIZIC: BRANSAMENT APA (De 90 mm)_(15 buc.)

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES						
STADIUL FIZIC: BRANSAMENT APA (De 90 mm)_(15 buc.)						
1.1	TSC03C1	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in depozit teren catg 3	100 mc	**0.04**	**940.00**	**37.60**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	940.00	37.60
				transport:	0.00	0.00
1.2	TSC03G1	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in autovehicule teren catg 3	100 mc	**0.09**	**1,040.00**	**93.60**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	1,040.00	93.60
				transport:	0.00	0.00
1.3	TSA04G1	Sapatura manuala de pamant in spatii limitate,avand sub 1 m latime si maximum 4.50 m adancime,executata cu sprijiniri,cu evacuare manuala,la fundatii,canale,drumuri etc...in pamant cu umiditate naturala adancimea sapaturii 1,5-3 teren foarte tare	mc	**1.40**	**173.97**	**243.56**
				material:	1.63	2.28
				manopera:	172.34	241.27
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.4	TRA01A05P	Transportul rutier al...pamantului sau molozului cu autobasculanta dist.= 5 km	tona	**16.20**	**10.00**	**162.01**
				material:	0.00	0.00
				manopera:	0.00	0.01
				utilaj:	0.00	0.00
				transport:	10.00	162.00
2	**REFACERI**					
2.1	DA06A2	Strat de agregate naturale cilindrate (nisip), avand functia de rezidenta filtranta, izolatoare, antigeliva si anticapilara, cu asternere manuala;	mc	**1.14**	**128.50**	**146.50**
				material:	82.35	93.87
				manopera:	36.75	41.89
				utilaj:	9.41	10.73
				transport:	0.00	0.00
2.2	TRA01A40	Transportul rutier al...materialelor,semifabricatelor cu autobasculanta pe dist.= 40 km.	tona	**2.05**	**40.00**	**82.00**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	40.00	82.00
2.3	TRB01B11	Transportul materialelor cu roaba pe pneuri inc aruncare desc aruncare grupa...1-3 distanta 10m	tona	**0.50**	**22.49**	**11.25**
				material:	0.00	0.00
				manopera:	22.49	11.25
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.4	TSD02C1	Imprastierea pamantului afanat provenit din teren categoria 1 sau 2,executata cu buldozer pe tractor cu senile de 65-80 CP,in straturi cu grosimea de:...31-50 cm	100 mc	**0.05**	**188.00**	**10.15**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	188.00	10.15
				transport:	0.00	0.00
2.5	TSD06A1	Compactarea cu placa vibratoare a umpluturilor in straturi de 20-30 cm grosime,exclusiv udarea fiecarui strat in parte,umpluturile executandu-se din pamant necoeziv,compactat cu:...placa vibratoare de 0.7 t	100 mc	**0.05**	**286.39**	**15.47**
				material:	0.00	0.00
				manopera:	139.39	7.53
				utilaj:	147.00	7.94
				transport:	0.00	0.00
3	**INSTALATII**					
3.1	ACA12A(+asim)	Montarea in pamant a tevilor din polietilena de presiune, de inalta densitatae, densitate alimentarilor cu apa, asamblate prin metoda de sudare manuala, cu manson de polietilena, cu flanse, conform normativului I-6-PE, avand diametrul de: 20-25mm	m	**5.00**	**9.80**	**48.99**
				material:	2.66	13.31
				manopera:	6.34	31.68
				utilaj:	0.80	4.00
				transport:	0.00	0.00

STADIUL FIZIC: BRANSAMENT APA (De 90 mm)_(15 buc.)

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES						
	STADIUL FIZIC: BRANSAMENT APA (De 90 mm)_(15 buc.)					
3.1.L	6701122	Teava HDPE 80 312uni7611.7615 pn6 DN 25x1.6 cod 64000085	m	5.10	2.15	10.97
3.2	W2H05A-1% (asim)	Montat banda avertizoare	m	**5.10**	**1.83**	**9.35**
				material:	0.57	2.89
				manopera:	1.27	6.46
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.3	EB01A1 (asim)	Montat conductor insotitor din cupru	m	**5.10**	**1.95**	**9.96**
				material:	1.00	5.11
				manopera:	0.95	4.85
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.4	AcA62D+	Sudura prin electrofuziune sa/teu bransament electrosudabil cu/fara colier din PEHD - VALROM...D = 90-160 mm	buc	**1.00**	**17.01**	**17.01**
				material:	0.00	0.00
				manopera:	15.21	15.21
				utilaj:	1.80	1.80
				transport:	0.00	0.00
3.5	3330849	Teu bransament cu colier d=90x25	buc	**1.00**	**161.70**	**161.70**
				material:	161.70	161.70
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.6	AcA54A+ (ASIM)	Sudura cap la cap fiting din PEHD PE100 SDR 17 cu 2 imbinari D = 20 - 50 mm	buc	**3.00**	**138.72**	**416.15**
				material:	0.00	0.00
				manopera:	36.12	108.35
				utilaj:	102.60	307.80
				transport:	0.00	0.00
3.7	20010127	Mufa electrosudabila pehd dn=25mm	buc	**2.00**	**14.80**	**29.60**
				material:	14.80	29.60
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.8	11804882	Racord FI 25 x 3/4	buc	**1.00**	**15.05**	**15.05**
				material:	15.05	15.05
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.9	AcA65B+	Imbinare fiting de compresiune din PEHD - VALROM cu 2 imbinari (racord/cot tip FE sau FI)...D = 25-32 x ¾"	buc	**2.00**	**4.56**	**9.12**
				material:	0.12	0.25
				manopera:	4.44	8.87
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.9.L	20020489	Racord <waterkit> compres.d. 25x3/4 fi	buc	2.00	15.05	30.10
3.10	IC34C1	Fitinguri din fonta maleabila pentru imbin. insurub. tevi. otel piesele fiind cu 2 insurub. pentru d=3/4 toli	buc	**4.00**	**7.13**	**28.52**
				material:	0.16	0.64
				manopera:	6.97	27.88
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.11	4123164	Niplu normal zincat DN 3/4 cod 45028003	buc	**2.00**	**3.95**	**7.90**
				material:	3.95	7.90
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: BRANSAMENT APA (De 90 mm)_(15 buc.)

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES						
STADIUL FIZIC: BRANSAMENT APA (De 90 mm)_(15 buc.)						
3.12	4113845	Reductie zincata fi-fe DN 3/4x1/2 cod 45024103	buc	**2.00**	**3.50**	**7.00**
				material:	3.50	7.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.13	IC34B1	Fitinguri din fonta maleabila pentru imbin. insurub. tevi. otel piesele fiind cu 2 insurub. pentru d=1/2 toli	buc	**1.00**	**5.19**	**5.19**
				material:	0.12	0.12
				manopera:	5.07	5.07
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.14	4123114	Niplu normal zincat DN 1/2 cod 45028002	buc	**1.00**	**3.05**	**3.05**
				material:	3.05	3.05
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.15	IC34M1	Fitinguri din fonta maleabila pentru imbin. insurub. tevi. otel piesele fiind cu 3 insurub. pentru d=3/4 toli	buc	**1.00**	**13.55**	**13.55**
				material:	0.24	0.24
				manopera:	13.31	13.31
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.16	4114614	Teu redus zincat DN 3/4x1/2x3/4 cod 45r13008	buc	**1.00**	**5.65**	**5.65**
				material:	5.65	5.65
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.17	SD10B1	Robinet...trecere din am,pentru tevi plumb cu d=3/4 ,roata manevra bachelita,simbol a 83-3/4	buc	**2.00**	**82.10**	**164.19**
				material:	59.92	119.84
				manopera:	22.18	44.35
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.17.	4204427	Robinet de trecere cu sfera pentru apa, tip fi - fi cu D = 3/4"	buc	2.00	20.95	41.90
3.18	SD10A1	Robinet...de trecere din alama pentru tevi de plumb,cu diametrul d=3/8 sau d=1/2 toli	buc	**1.00**	**51.59**	**51.59**
				material:	33.53	33.53
				manopera:	18.06	18.06
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.18.	4204422	Robinet de trecere cu sfera pentru apa, tip fi - fi cu D = 1/2"	buc	1.00	12.00	12.00
3.19	ACE12A1	Montare contor de apa cu palete avand d 15 mm	buc	**1.00**	**42.81**	**42.81**
				material:	6.38	6.38
				manopera:	36.43	36.43
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.20	20032489	APOMETRU DN15	buc	**1.00**	**222.20**	**222.20**
				material:	222.20	222.20
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.21	AcD101A03+ (asim1)	Camine prefabricate din beton pentru apa, avand:d=80cm, H=130 cm, g=12cm, pentru imbinare cu garnitura	buc	**1.00**	**674.46**	**674.46**
				material:	645.00	645.00
				manopera:	29.46	29.46
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: BRANSAMENT APA (De 90 mm)_(15 buc.)

0	1	2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES					
STADIUL FIZIC: BRANSAMENT APA (De 90 mm)_(15 buc.)					
3.22 ACD01J1	Capac si rama STAS 2308-81 pentru camine cu piesa suport carosabil tip III a	buc	**1.00**	**882.14**	**882.14**
			material:	812.44	812.44
			manopera:	69.70	69.70
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.23 ACE07A1	Spalarea si desinfectarea conductelor de alimentare cu apa avand dn 50	100 m	**0.05**	**53.90**	**2.69**
			material:	4.16	0.21
			manopera:	49.74	2.49
			utilaj:	0.00	0.00
			transport:	0.00	0.00

	procent	material	manopera	utilaj	transport	total
Total Cheltuieli directe:		**2,283.22**	**724.10**	**473.62**	**244.00**	**3,724.94**
Recapitulatia:	Recap 2019: CAM 2,25					
Contributie asiguratorie pentru munca (CAM)	2.2500 %	0.00	16.29	0.00	0.00	16.29
Total Inclusiv Cheltuieli directe:		**2,283.22**	**740.39**	**473.62**	**244.00**	**3,741.23**
Cheltuieli indirecte	8.0000 %	182.66	59.23	37.89	19.52	299.30
Total Inclusiv Cheltuieli indirecte:		**2,465.88**	**799.62**	**511.51**	**263.52**	**4,040.53**
Profit	5.0000 %	123.29	39.98	25.58	13.18	202.03
Total Inclusiv Beneficiu:		**2,589.17**	**839.60**	**537.08**	**276.70**	**4,242.56**

OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES

STADIUL FIZIC: BRANSAMENT APA CU REDUCTOR (De 125 mm)_(43 buc.)

1 TERASAMENTE

1.1	TSC03C1	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in depozit teren catg 3	100 mc	**0.04**	**940.00**	**37.60**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	940.00	37.60
				transport:	0.00	0.00
1.2	TSC03G1	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in autovehicule teren catg 3	100 mc	**0.09**	**1,040.00**	**93.60**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	1,040.00	93.60
				transport:	0.00	0.00
1.3	TSA04G1	Sapatura manuala de pamant in spatii limitate,avand sub 1 m latime si maximum 4.50 m adancime,executata cu sprijiniri,cu evacuare manuala,la fundatii,canale,drumuri etc...in pamant cu umiditate naturala adancimea sapaturii 1,5-3 teren foarte tare	mc	**1.40**	**173.97**	**243.56**
				material:	1.63	2.28
				manopera:	172.34	241.27
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.4	TRA01A05P	Transportul rutier al...pamantului sau molozului cu autobasculanta dist.= 5 km	tona	**16.20**	**10.00**	**162.01**
				material:	0.00	0.00
				manopera:	0.00	0.01
				utilaj:	0.00	0.00
				transport:	10.00	162.00

2 REFACERI

2.1	DA06A2	Strat de agregate naturale cilindrate (nisip), avand functia de rezidenta filtranta, izolatoare, antigeliva si anticapilara, cu asternere manuala;	mc	**1.14**	**128.50**	**146.50**
				material:	82.35	93.87
				manopera:	36.75	41.89
				utilaj:	9.41	10.73
				transport:	0.00	0.00

STADIUL FIZIC: BRANSAMENT APA CU REDUCTOR (De 125 mm)_(43 buc.)

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES						
	STADIUL FIZIC: BRANSAMENT APA CU REDUCTOR (De 125 mm)_(43 buc.)					
2.2	TRA01A40	Transportul rutier al...materialelor,semifabricatelor cu autobasculanta pe dist.= 40 km.	tona	**2.05**	**40.00**	**82.00**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	40.00	82.00
2.3	TRB01B11	Transportul materialelor cu roaba pe pneuri inc aruncare desc aruncare grupa...1-3 distanta 10m	tona	**0.50**	**22.49**	**11.25**
				material:	0.00	0.00
				manopera:	22.49	11.25
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.4	TSD02C1	Imprastierea pamantului afanat provenit din teren categoria 1 sau 2,executata cu buldozer pe tractor cu senile de 65-80 CP,in straturi cu grosimea de:...31-50 cm	100 mc	**0.05**	**188.00**	**10.15**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	188.00	10.15
				transport:	0.00	0.00
2.5	TSD06A1	Compactarea cu placa vibratoare a umpluturilor in straturi de 20-30 cm grosime,exclusiv udarea fiecarui strat in parte,umpluturile executandu-se din pamant necoeziv,compactat cu:...placa vibratoare de 0.7 t	100 mc	**0.05**	**286.39**	**15.47**
				material:	0.00	0.00
				manopera:	139.39	7.53
				utilaj:	147.00	7.94
				transport:	0.00	0.00
3	**INSTALATII**					
3.1	ACA12A(+asim)	Montarea in pamant a tevilor din polietilena de presiune, de inalta densitatae, densitate alimentarilor cu apa, asamblate prin metoda de sudare manuala, cu manson de polietilena, cu flanse, conform normativului I-6-PE, avand diametrul de: 20-25mm	m	**5.00**	**9.80**	**48.99**
				material:	2.66	13.31
				manopera:	6.34	31.68
				utilaj:	0.80	4.00
				transport:	0.00	0.00
3.1.L	6701122	Teava HDPE 80 312uni7611.7615 pn6 DN 25x1.6 cod 64000085	m	5.10	2.15	10.97
3.2	W2H05A-1% (asim)	Montat banda avertizoare	m	**5.10**	**1.83**	**9.35**
				material:	0.57	2.89
				manopera:	1.27	6.46
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.3	EB01A1 (asim)	Montat conductor insotitor din cupru	m	**5.10**	**1.95**	**9.96**
				material:	1.00	5.11
				manopera:	0.95	4.85
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.4	AcA62D+	Sudura prin electrofuziune sa/teu bransament electrosudabil cu/fara colier din PEHD - VALROM...D = 90-160 mm	buc	**1.00**	**17.01**	**17.01**
				material:	0.00	0.00
				manopera:	15.21	15.21
				utilaj:	1.80	1.80
				transport:	0.00	0.00
3.5	7106606	Teu bransament pe80 sdr11 125mm x 25mm sr	buc	**1.00**	**178.60**	**178.60**
				material:	178.60	178.60
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.6	AcA54A+ (ASIM)	Sudura cap la cap fiting din PEHD PE100 SDR 17 cu 2 imbinari D = 20 - 50 mm	buc	**3.00**	**138.72**	**416.15**
				material:	0.00	0.00
				manopera:	36.12	108.35
				utilaj:	102.60	307.80
				transport:	0.00	0.00

STADIUL FIZIC: BRANSAMENT APA CU REDUCTOR (De 125 mm)_(43 buc.)

0	1	2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES					
	STADIUL FIZIC: BRANSAMENT APA CU REDUCTOR (De 125 mm)_(43 buc.)				
3.7	**20010127** Mufa electrosudabila pehd dn=25mm	**buc**	**2.00**	**14.80**	**29.60**
			material:	14.80	29.60
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.8	**11804882** Racord FI 25 x 3/4	**buc**	**1.00**	**15.05**	**15.05**
			material:	15.05	15.05
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.9	**AcA65B+** Imbinare fiting de compresiune din PEHD - VALROM cu 2 imbinari (racord/cot tip FE sau FI)...D = 25-32 x ¾"	**buc**	**2.00**	**4.56**	**9.12**
			material:	0.12	0.25
			manopera:	4.44	8.87
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.9.L	20020489 Racord <waterkit> compres.d. 25x3/4 fi	buc	2.00	15.05	30.10
3.10	**IC34C1** Fitinguri din fonta maleabila pentru imbin. insurub. tevi. otel piesele fiind cu 2 insurub. pentru d=3/4 toli	**buc**	**4.00**	**7.13**	**28.52**
			material:	0.16	0.64
			manopera:	6.97	27.88
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.11	**4123164** Niplu normal zincat DN 3/4 cod 45028003	**buc**	**2.00**	**3.95**	**7.90**
			material:	3.95	7.90
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.12	**4113845** Reductie zincata fi-fe DN 3/4x1/2 cod 45024103	**buc**	**2.00**	**3.50**	**7.00**
			material:	3.50	7.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.13	**IC34B1** Fitinguri din fonta maleabila pentru imbin. insurub. tevi. otel piesele fiind cu 2 insurub. pentru d=1/2 toli	**buc**	**2.00**	**5.19**	**10.38**
			material:	0.12	0.24
			manopera:	5.07	10.14
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.14	**4123114** Niplu normal zincat DN 1/2 cod 45028002	**buc**	**2.00**	**3.05**	**6.10**
			material:	3.05	6.10
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.15	**SD10B1** Robinet...trecere din am,pentru tevi plumb cu d=3/4 ,roata manevra bachelita,simbol a 83-3/4	**buc**	**2.00**	**82.10**	**164.19**
			material:	59.92	119.84
			manopera:	22.18	44.35
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.15.	4204427 Robinet de trecere cu sfera pentru apa, tip fi - fi cu D = 3/4"	buc	2.00	20.95	41.90
3.16	**ACE12A1 (asim)** Montare reductor de presiune avand d 1/2"	**buc**	**2.00**	**42.81**	**85.62**
			material:	6.38	12.76
			manopera:	36.43	72.86
			utilaj:	0.00	0.00
			transport:	0.00	0.00

STADIUL FIZIC: BRANSAMENT APA CU REDUCTOR (De 125 mm)_(43 buc.)

0	1	2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES					
STADIUL FIZIC: BRANSAMENT APA CU REDUCTOR (De 125 mm)_(43 buc.)					
3.17	4625586	Reductor de presiune 1/2	buc	**1.00**	**183.15**	**183.15**
				material:	183.15	183.15
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.18	2806230	Filtru de apa pentru impuritati y 1/2	buc	**1.00**	**13.20**	**13.20**
				material:	13.20	13.20
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.19	ACE12A1	Montare contor de apa cu palete avand d 15 mm	buc	**1.00**	**42.81**	**42.81**
				material:	6.38	6.38
				manopera:	36.43	36.43
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.20	20032489	APOMETRU DN15	buc	**1.00**	**222.20**	**222.20**
				material:	222.20	222.20
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.21	AcD101A03+ (asim1)	Camine prefabricate din beton pentru apa, avand:d=80cm, H=130 cm, g=12cm, pentru imbinare cu garnitura	buc	**1.00**	**674.46**	**674.46**
				material:	645.00	645.00
				manopera:	29.46	29.46
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.22	ACD01J1	Capac si rama STAS 2308-81 pentru camine cu piesa suport carosabil tip III a	buc	**1.00**	**882.14**	**882.14**
				material:	812.44	812.44
				manopera:	69.70	69.70
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.23	ACE07A1	Spalarea si desinfectarea conductelor de alimentare cu apa avand dn 50	100 m	**0.05**	**53.90**	**2.69**
				material:	4.16	0.21
				manopera:	49.74	2.49
				utilaj:	0.00	0.00
				transport:	0.00	0.00

	procent	material	manopera	utilaj	transport	total
Total Cheltuieli directe:		**2,460.98**	**770.67**	**473.62**	**244.00**	**3,949.27**
Recapitulatia:	Recap 2019: CAM 2,25					
Contributie asiguratorie pentru munca (CAM)	2.2500 %	0.00	17.34	0.00	0.00	17.34
Total Inclusiv Cheltuieli directe:		**2,460.98**	**788.01**	**473.62**	**244.00**	**3,966.61**
Cheltuieli indirecte	8.0000 %	196.88	63.04	37.89	19.52	317.33
Total Inclusiv Cheltuieli indirecte:		**2,657.86**	**851.05**	**511.51**	**263.52**	**4,283.94**
Profit	5.0000 %	132.89	42.55	25.58	13.18	214.20
Total Inclusiv Beneficiu:		**2,790.76**	**893.60**	**537.08**	**276.70**	**4,498.13**

OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES

STADIUL FIZIC: BRANSAMENT APA CU REDUCTOR (De 110 mm)_(4 buc.)

1 TERASAMENTE

1.1	TSC03C1	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in depozit teren catg 3	100 mc	**0.04**	**940.00**	**37.60**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	940.00	37.60
				transport:	0.00	0.00

STADIUL FIZIC: BRANSAMENT APA CU REDUCTOR (De 110 mm)_(4 buc.)

0	1		2	3	4	5 = 3 x 4
OBIECTUL:	EXTINDERE RETEA APA SI BRANSAMENTE SAT METES					
	STADIUL FIZIC:	BRANSAMENT APA CU REDUCTOR (De 110 mm)_(4 buc.)				
1.2	TSC03G1	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in autovehicule teren catg 3	100 mc	**0.09**	**1,040.00**	**93.60**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	1,040.00	93.60
				transport:	0.00	0.00
1.3	TSA04G1	Sapatura manuala de pamant in spatii limitate,avand sub 1 m latime si maximum 4.50 m adancime,executata cu sprijiniri,cu evacuare manuala,la fundatii,canale,drumuri etc...in pamant cu umiditate naturala adancimea sapaturii 1,5-3 teren foarte tare	mc	**1.40**	**173.97**	**243.56**
				material:	1.63	2.28
				manopera:	172.34	241.27
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.4	TRA01A05P	Transportul rutier al...pamantului sau molozului cu autobasculanta dist.= 5 km	tona	**16.20**	**10.00**	**162.01**
				material:	0.00	0.00
				manopera:	0.00	0.01
				utilaj:	0.00	0.00
				transport:	10.00	162.00
2	**REFACERI**					
2.1	DA06A2	Strat de agregate naturale cilindrate (nisip), avand functia de rezidenta filtranta, izolatoare, antigeliva si anticapilara, cu asternere manuala;	mc	**1.14**	**128.50**	**146.50**
				material:	82.35	93.87
				manopera:	36.75	41.89
				utilaj:	9.41	10.73
				transport:	0.00	0.00
2.2	TRA01A40	Transportul rutier al...materialelor,semifabricatelor cu autobasculanta pe dist.= 40 km.	tona	**2.05**	**40.00**	**82.00**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	40.00	82.00
2.3	TRB01B11	Transportul materialelor cu roaba pe pneuri inc aruncare desc aruncare grupa...1-3 distanta 10m	tona	**0.50**	**22.49**	**11.25**
				material:	0.00	0.00
				manopera:	22.49	11.25
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.4	TSD02C1	Imprastierea pamantului afanat provenit din teren categoria 1 sau 2,executata cu buldozer pe tractor cu senile de 65-80 CP,in straturi cu grosimea de:...31-50 cm	100 mc	**0.05**	**188.00**	**10.15**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	188.00	10.15
				transport:	0.00	0.00
2.5	TSD06A1	Compactarea cu placa vibratoare a umpluturilor in straturi de 20-30 cm grosime,exclusiv udarea fiecarui strat in parte,umpluturile executandu-se din pamant necoeziv,compactat cu:...placa vibratoare de 0.7 t	100 mc	**0.05**	**286.39**	**15.47**
				material:	0.00	0.00
				manopera:	139.39	7.53
				utilaj:	147.00	7.94
				transport:	0.00	0.00
3	**INSTALATII**					
3.1	ACA12A(+asim)	Montarea in pamant a tevilor din polietilena de presiune, de inalta densitatae, densitate alimentarilor cu apa, asamblate prin metoda de sudare manuala, cu manson de polietilena, cu flanse, conform normativului I-6-PE, avand diametrul de: 20-25mm	m	**5.00**	**9.80**	**48.99**
				material:	2.66	13.31
				manopera:	6.34	31.68
				utilaj:	0.80	4.00
				transport:	0.00	0.00
3.1.L	6701122	Teava HDPE 80 312uni7611.7615 pn6 DN 25x1.6 cod 64000085	m	5.10	2.15	10.97

STADIUL FIZIC: BRANSAMENT APA CU REDUCTOR (De 110 mm)_(4 buc.)

0	1	2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES					
STADIUL FIZIC: BRANSAMENT APA CU REDUCTOR (De 110 mm)_(4 buc.)					
3.2	W2H05A-1% (asim) Montat banda avertizoare	m	5.10	1.83	9.35
			material:	0.57	2.89
			manopera:	1.27	6.46
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.3	EB01A1 (asim) Montat conductor insotitor din cupru	m	5.10	1.95	9.96
			material:	1.00	5.11
			manopera:	0.95	4.85
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.4	AcA62D+ Sudura prin electrofuziune sa/teu bransament electrosudabil cu/fara colier din PEHD - VALROM...D = 90-160 mm	buc	1.00	17.01	17.01
			material:	0.00	0.00
			manopera:	15.21	15.21
			utilaj:	1.80	1.80
			transport:	0.00	0.00
3.5	17000319970 Teu bransament cu colier d=110x25	buc	1.00	173.35	173.35
			material:	173.35	173.35
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.6	AcA54A+ (ASIM) Sudura cap la cap fiting din PEHD PE100 SDR 17 cu 2 imbinari D = 20 - 50 mm	buc	3.00	138.72	416.15
			material:	0.00	0.00
			manopera:	36.12	108.35
			utilaj:	102.60	307.80
			transport:	0.00	0.00
3.7	20010127 Mufa electrosudabila pehd dn=25mm	buc	2.00	14.80	29.60
			material:	14.80	29.60
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.8	11804882 Racord FI 25 x 3/4	buc	1.00	15.05	15.05
			material:	15.05	15.05
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.9	AcA65B+ Imbinare fiting de compresiune din PEHD - VALROM cu 2 imbinari (racord/cot tip FE sau FI)...D = 25-32 x ¾"	buc	2.00	4.56	9.12
			material:	0.12	0.25
			manopera:	4.44	8.87
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.9.L	20020489 Racord <waterkit> compres.d. 25x3/4 fi	buc	2.00	15.05	30.10
3.10	IC34C1 Fitinguri din fonta maleabila pentru imbin. insurub. tevi. otel piesele fiind cu 2 insurub. pentru d=3/4 toli	buc	4.00	7.13	28.52
			material:	0.16	0.64
			manopera:	6.97	27.88
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.11	4123164 Niplu normal zincat DN 3/4 cod 45028003	buc	2.00	3.95	7.90
			material:	3.95	7.90
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.12	4113845 Reductie zincata fi-fe DN 3/4x1/2 cod 45024103	buc	2.00	3.50	7.00
			material:	3.50	7.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00

STADIUL FIZIC: BRANSAMENT APA CU REDUCTOR (De 110 mm)_(4 buc.)

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES						
	STADIUL FIZIC: BRANSAMENT APA CU REDUCTOR (De 110 mm)_(4 buc.)					
3.13	IC34B1	Fitinguri din fonta maleabila pentru imbin. insurub. tevi. otel piesele fiind cu 2 insurub. pentru d=1/2 toli	buc	2.00	5.19	10.38
				material:	0.12	0.24
				manopera:	5.07	10.14
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.14	4123114	Niplu normal zincat DN 1/2 cod 45028002	buc	2.00	3.05	6.10
				material:	3.05	6.10
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.15	SD10B1	Robinet...trecere din am,pentru tevi plumb cu d=3/4 ,roata manevra bachelita,simbol a 83-3/4	buc	2.00	82.10	164.19
				material:	59.92	119.84
				manopera:	22.18	44.35
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.15.	4204427	Robinet de trecere cu sfera pentru apa, tip fi - fi cu D = 3/4"	buc	2.00	20.95	41.90
3.16	ACE12A1 (asim)	Montare reductor de presiune avand d 1/2"	buc	2.00	42.81	85.62
				material:	6.38	12.76
				manopera:	36.43	72.86
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.17	4625586	Reductor de presiune 1/2	buc	1.00	183.15	183.15
				material:	183.15	183.15
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.18	2806230	Filtru de apa pentru impuritati y 1/2	buc	1.00	13.20	13.20
				material:	13.20	13.20
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.19	ACE12A1	Montare contor de apa cu palete avand d 15 mm	buc	1.00	42.81	42.81
				material:	6.38	6.38
				manopera:	36.43	36.43
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.20	20032489	APOMETRU DN15	buc	1.00	222.20	222.20
				material:	222.20	222.20
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.21	AcD101A03+ (asim1)	Camine prefabricate din beton pentru apa, avand:d=80cm, H=130 cm, g=12cm, pentru imbinare cu garnitura	buc	1.00	674.46	674.46
				material:	645.00	645.00
				manopera:	29.46	29.46
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.22	ACD01J1	Capac si rama STAS 2308-81 pentru camine cu piesa suport carosabil tip III a	buc	1.00	882.14	882.14
				material:	812.44	812.44
				manopera:	69.70	69.70
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: BRANSAMENT APA CU REDUCTOR (De 110 mm)_(4 buc.)

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES						
STADIUL FIZIC: BRANSAMENT APA CU REDUCTOR (De 110 mm)_(4 buc.)						
3.23	**ACE07A1**	Spalarea si desinfectarea conductelor de alimentare cu apa avand dn 50	**100 m**	**0.05**	**53.90**	**2.69**
				material:	4.16	0.21
				manopera:	49.74	2.49
				utilaj:	0.00	0.00
				transport:	0.00	0.00

	procent	material	manopera	utilaj	transport	total
Total Cheltuieli directe:		**2,455.73**	**770.67**	**473.62**	**244.00**	**3,944.02**
Recapitulatia:	Recap 2019: CAM 2,25					
Contributie asiguratorie pentru munca (CAM)	2.2500 %	0.00	17.34	0.00	0.00	17.34
Total Inclusiv Cheltuieli directe:		**2,455.73**	**788.01**	**473.62**	**244.00**	**3,961.36**
Cheltuieli indirecte	8.0000 %	196.46	63.04	37.89	19.52	316.91
Total Inclusiv Cheltuieli indirecte:		**2,652.19**	**851.05**	**511.51**	**263.52**	**4,278.27**
Profit	5.0000 %	132.61	42.55	25.58	13.18	213.91
Total Inclusiv Beneficiu:		**2,784.80**	**893.60**	**537.08**	**276.70**	**4,492.18**

OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES

STADIUL FIZIC: CONSTRUCTII CAMIN DIN BOLTARI (5 buc.) _ (1.0 x 1.0 x 1.8)

1	**TSC03G1**	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in autovehicule teren catg 3	**100 mc**	**0.12**	**1,040.00**	**124.80**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	1,040.00	124.80
				transport:	0.00	0.00
2	**TSA01D2**	Sapatura manuala de pamant in spatii inchise la deblee,in canale deschise,in gropi de imprumut la indepartarea stratului vegetal de 10-30 cm grosime etc....in pamant imbibat cu apa aruncarea in depozit sau vehicul la H<0.6 m teren foarte tare	**mc**	**1.50**	**109.30**	**163.94**
				material:	0.00	0.00
				manopera:	109.30	163.94
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3	**TRA01A05P**	Transportul rutier al...pamantului sau molozului cu autobasculanta dist.= 5 km	**tona**	**24.30**	**10.00**	**243.01**
				material:	0.00	0.00
				manopera:	0.00	0.01
				utilaj:	0.00	0.00
				transport:	10.00	243.00
4	**CA02C1**	Turnarea betonului armat in elementele constructiilor, exclusiv cele executate in cofraje glisante în fundatii continue, radiere si pereti cu grosime pâna la 30 cm inclusiv;	**mc**	**0.29**	**123.85**	**35.79**
				material:	0.40	0.12
				manopera:	115.95	33.51
				utilaj:	7.50	2.17
				transport:	0.00	0.00
4.L	2100945	BETON DE CIMENT B 150 STAS 3622	MC	0.29	300.00	87.39
5	**CA02C1**	Turnarea betonului armat in elementele constructiilor, exclusiv cele executate in cofraje glisante în fundatii continue, radiere si pereti cu grosime pâna la 30 cm inclusiv;	**mc**	**2.60**	**123.85**	**322.01**
				material:	0.40	1.05
				manopera:	115.95	301.47
				utilaj:	7.50	19.50
				transport:	0.00	0.00
5.L	2100969	BETON DE CIMENT B 250 STAS 3622	MC	2.62	340.00	891.07
6	**TRA06A40**	Transportul rutier al betonului-mortarului cu autobetoniera de...5,5 mc dist.=40 km	**tona**	**7.00**	**48.00**	**336.00**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	48.00	336.00

STADIUL FIZIC: CONSTRUCTII CAMIN DIN BOLTARI (5 buc.) _ (1.0 x 1.0 x 1.8)

0	1		2	3	4	5 = 3 x 4
OBIECTUL:	**EXTINDERE RETEA APA SI BRANSAMENTE SAT METES**					
	STADIUL FIZIC:	**CONSTRUCTII CAMIN DIN BOLTARI (5 buc.) _ (1.0 x 1.0 x 1.8)**				
7	**CD06A1 (asim)**	Zidarie din boltari de fundatie 500x250x200 mm	**mc**	**2.00**	**416.64**	**833.27**
				material:	253.80	507.60
				manopera:	162.84	325.67
				utilaj:	0.00	0.00
				transport:	0.00	0.00
7.L	2101183	MORTAR DE ZIDARIE M 100 S 1030	MC	0.20	260.00	52.00
8	**CZ0302K1**	Confectionarea armaturilor din otel beton pentru beton armat în elemente de constructii turnate în cofraje, exclusiv cele executate în cofraje glisante fasonarea barelor pentru pereti, grinzi, stâlpi si diafragme la constructii obisnuite, în ateliere de santier, PC 52 D = 10 - 16 m	**kg**	**168.00**	**9.99**	**1,678.38**
				material:	9.14	1,534.68
				manopera:	0.86	143.70
				utilaj:	0.00	0.00
				transport:	0.00	0.00
9	**CC02B1**	Montarea armaturilor din otel-beton în elemente de constructii, exclusiv cele din constructiile executate în cofraje glisante la constructii executate la o înaltime pâna la 35 m inclusiv, din bare fasonate având diametrul de 10 si 12 mm, în pereti si diafragme cu distantier din plastic	**kg**	**168.00**	**1.54**	**258.53**
				material:	0.24	40.32
				manopera:	1.30	218.21
				utilaj:	0.00	0.00
				transport:	0.00	0.00
9.L	6433376	Armatura in prefabr.beton OB 37 D = 6-10mm barem	kg	168.00	9.00	1,512.00
9.L	6433780	Armatura in prefabr beton pc 52 peste 10 mm barem	kg	168.00	9.00	1,512.00
10	**CL21A1**	Confectii metalice diverse înglobate total sau partial in beton din profile laminate, tabla, tabla striata, otel beton, tevi pentru sustineri sau acoperiri	**kg**	**5.00**	**4.12**	**20.59**
				material:	0.00	0.00
				manopera:	4.12	20.59
				utilaj:	0.00	0.00
				transport:	0.00	0.00
10.L	6309886	CONFECTII METALICE INGLOBATE INBETON	KG	5.00	9.00	45.00
11	**IZF05B1**	Strat hidroizolant executat la cald la cuve, rezervoare, bazine, subsoluri, radiere, canale, camine de vizitare, sau alte lucrari asemanatoare, construite pe terenuri cu ape freatice, executate cu carton bitumat tip * si mastic de bitum tip H 80/90, la pereti drepti	**mp**	**13.00**	**18.92**	**245.91**
				material:	12.46	162.03
				manopera:	5.70	74.13
				utilaj:	0.75	9.75
				transport:	0.00	0.00
11.L	2601204	@MEMBRANA HIDROIZOL PE POLIESTERDERBIGUM SP 4 MM	MP	14.69	10.00	146.90
12	**ACD01J1**	Capac si rama STAS 2308-81 pentru camine cu piesa suport carosabil tip III a	**buc**	**1.00**	**1,215.39**	**1,215.39**
				material:	1,145.70	1,145.70
				manopera:	69.70	69.70
				utilaj:	0.00	0.00
				transport:	0.00	0.00
13	**TRA02A40**	Transportul rutier al materialelor,semifabricatelor cu autocamionul pe dist.= ...40 km.	**tona**	**1.90**	**40.00**	**76.00**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	40.00	76.00
14	**TSA24C1**	Epuizarea mecanica a apelor din sapaturi,in teren cu infiltratii puternice de apa,executate cu:...motopompa de apa de joasa presiune montata pe tractor U650,debit 200-500 Mc/h	**ora**	**1.00**	**132.00**	**132.00**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	132.00	132.00
				transport:	0.00	0.00

STADIUL FIZIC: CONSTRUCTII CAMIN DIN BOLTARI (5 buc.) _ (1.0 x 1.0 x 1.8)						
0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES						
STADIUL FIZIC: CONSTRUCTII CAMIN DIN BOLTARI (5 buc.) _ (1.0 x 1.0 x 1.8)						
15	DA06A1	Strat de agregate naturale cilindrate (balast), avand functia de rezidenta filtranta, izolatoare, antigeliva si anticapilara, cu asternere manuala;	mc	**8.77**	**110.02**	**964.87**
				material:	63.86	560.06
				manopera:	36.75	322.29
				utilaj:	9.41	82.53
				transport:	0.00	0.00
16	TRA01A40	Transportul rutier al...materialelor,semifabricatelor cu autobasculanta pe dist.= 40 km.	tona	**16.00**	**40.00**	**640.00**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	40.00	640.00

	procent	material	manopera	utilaj	transport	total
Total Cheltuieli directe:		**8,197.92**	**1,673.22**	**370.74**	**1,295.00**	**11,536.88**
Recapitulatia:	Recap 2019: CAM 2,25					
Contributie asiguratorie pentru munca (CAM)	2.2500 %	0.00	37.65	0.00	0.00	37.65
Total Inclusiv Cheltuieli directe:		**8,197.92**	**1,710.86**	**370.74**	**1,295.00**	**11,574.53**
Cheltuieli indirecte	8.0000 %	655.83	136.87	29.66	103.60	925.96
Total Inclusiv Cheltuieli indirecte:		**8,853.75**	**1,847.73**	**400.40**	**1,398.60**	**12,500.49**
Profit	5.0000 %	442.69	92.39	20.02	69.93	625.02
Total Inclusiv Beneficiu:		**9,296.44**	**1,940.12**	**420.42**	**1,468.53**	**13,125.51**

OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES						
STADIUL FIZIC: CONSTRUCTII CAMIN DIN BOLTARI (12 buc.)_ (1.0 x 1.5 x 1.8)						
1	TSC03G1	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in autovehicule teren catg 3	100 mc	**0.14**	**1,040.00**	**145.60**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	1,040.00	145.60
				transport:	0.00	0.00
2	TSA01D2	Sapatura manuala de pamant in spatii inchise la deblee,in canale deschise,in gropi de imprumut la indepartarea stratului vegetal de 10-30 cm grosime etc....in pamant imbibat cu apa aruncarea in depozit sau vehicul la H<0.6 m teren foarte tare	mc	**1.75**	**109.30**	**191.27**
				material:	0.00	0.00
				manopera:	109.30	191.27
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3	TRA01A05P	Transportul rutier al...pamantului sau molozului cu autobasculanta dist.= 5 km	tona	**28.35**	**10.00**	**283.51**
				material:	0.00	0.00
				manopera:	0.00	0.01
				utilaj:	0.00	0.00
				transport:	10.00	283.50
4	CA02C1	Turnarea betonului armat in elementele constructiilor, exclusiv cele executate in cofraje glisante în fundatii continue, radiere si pereti cu grosime pâna la 30 cm inclusiv;	mc	**0.37**	**123.85**	**46.32**
				material:	0.40	0.15
				manopera:	115.95	43.36
				utilaj:	7.50	2.81
				transport:	0.00	0.00
4.L	2100945	BETON DE CIMENT B 150 STAS 3622	MC	0.38	300.00	113.10
5	CA02C1	Turnarea betonului armat in elementele constructiilor, exclusiv cele executate in cofraje glisante în fundatii continue, radiere si pereti cu grosime pâna la 30 cm inclusiv;	mc	**3.22**	**123.85**	**399.29**
				material:	0.40	1.30
				manopera:	115.95	373.82
				utilaj:	7.50	24.18
				transport:	0.00	0.00
5.L	2100969	BETON DE CIMENT B 250 STAS 3622	MC	3.25	340.00	1,104.93

STADIUL FIZIC: CONSTRUCTII CAMIN DIN BOLTARI (12 buc.)_ (1.0 x 1.5 x 1.8)

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES						
	STADIUL FIZIC: CONSTRUCTII CAMIN DIN BOLTARI (12 buc.)_ (1.0 x 1.5 x 1.8)					
6	**TRA06A40**	Transportul rutier al betonului-mortarului cu autobetoniera de...5,5 mc dist.=40 km	**tona**	**8.70**	**48.00**	**417.60**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	48.00	417.60
7	**CD06A1 (asim)**	Zidarie din boltari de fundatie 500x250x200 mm	**mc**	**2.40**	**416.64**	**999.93**
				material:	253.80	609.12
				manopera:	162.84	390.80
				utilaj:	0.00	0.00
				transport:	0.00	0.00
7.L	2101183	MORTAR DE ZIDARIE M 100 S 1030	MC	0.24	260.00	62.40
8	**CZ0302K1**	Confectionarea armaturilor din otel beton pentru beton armat în elemente de constructii turnate în cofraje, exclusiv cele executate în cofraje glisante fasonarea barelor pentru pereti, grinzi, stâlpi si diafragme la constructii obisnuite, în ateliere de santier, PC 52 D = 10 - 16 m	**kg**	**202.30**	**9.99**	**2,021.05**
				material:	9.14	1,848.01
				manopera:	0.86	173.04
				utilaj:	0.00	0.00
				transport:	0.00	0.00
9	**CC02B1**	Montarea armaturilor din otel-beton în elemente de constructii, exclusiv cele din constructiile executate în cofraje glisante la constructii executate la o înaltime pâna la 35 m inclusiv, din bare fasonate având diametrul de 10 si 12 mm, în pereti si diafragme cu distantier din plastic	**kg**	**202.30**	**1.54**	**311.32**
				material:	0.24	48.55
				manopera:	1.30	262.76
				utilaj:	0.00	0.00
				transport:	0.00	0.00
9.L	6433376	Armatura in prefabr.beton OB 37 D = 6-10mm barem	kg	202.30	9.00	1,820.70
9.L	6433780	Armatura in prefabr beton pc 52 peste 10 mm barem	kg	202.30	9.00	1,820.70
10	**CL21A1**	Confectii metalice diverse înglobate total sau partial in beton din profile laminate, tabla, tabla striata, otel beton, tevi pentru sustineri sau acoperiri	**kg**	**5.00**	**4.12**	**20.59**
				material:	0.00	0.00
				manopera:	4.12	20.59
				utilaj:	0.00	0.00
				transport:	0.00	0.00
10.L	6309886	CONFECTII METALICE INGLOBATE INBETON	KG	5.00	9.00	45.00
11	**IZF05B1**	Strat hidroizolant executat la cald la cuve, rezervoare, bazine, subsoluri, radiere, canale, camine de vizitare, sau alte lucrari asemanatoare, construite pe terenuri cu ape freatice, executate cu carton bitumat tip * si mastic de bitum tip H 80/90, la pereti drepti	**mp**	**14.70**	**18.92**	**278.07**
				material:	12.46	183.22
				manopera:	5.70	83.83
				utilaj:	0.75	11.03
				transport:	0.00	0.00
11.L	2601204	@MEMBRANA HIDROIZOL PE POLIESTERDERBIGUM SP 4 MM	MP	16.61	10.00	166.11
12	**ACD01J1**	Capac si rama STAS 2308-81 pentru camine cu piesa suport carosabil tip III a	**buc**	**1.00**	**1,215.39**	**1,215.39**
				material:	1,145.70	1,145.70
				manopera:	69.70	69.70
				utilaj:	0.00	0.00
				transport:	0.00	0.00
13	**TRA02A40**	Transportul rutier al materialelor,semifabricatelor cu autocamionul pe dist.= ...40 km.	**tona**	**2.30**	**40.00**	**92.00**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	40.00	92.00

STADIUL FIZIC: CONSTRUCTII CAMIN DIN BOLTARI (12 buc.)_ (1.0 x 1.5 x 1.8)

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES						
STADIUL FIZIC: CONSTRUCTII CAMIN DIN BOLTARI (12 buc.)_ (1.0 x 1.5 x 1.8)						
14	**TSA24C1**	Epuizarea mecanica a apelor din sapaturi,in teren cu infiltratii puternice de apa,executate cu:...motopompa de apa de joasa presiune montata pe tractor U650,debit 200-500 Mc/h	**ora**	**1.00**	**132.00**	**132.00**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	132.00	132.00
				transport:	0.00	0.00
15	**DA06A1**	Strat de agregate naturale cilindrate (balast), avand functia de rezidenta filtranta, izolatoare, antigeliva si anticapilara, cu asternere manuala;	**mc**	**9.45**	**110.02**	**1,039.68**
				material:	63.86	603.48
				manopera:	36.75	347.28
				utilaj:	9.41	88.92
				transport:	0.00	0.00
16	**TRA01A40**	Transportul rutier al...materialelor,semifabricatelor cu autobasculanta pe dist.= 40 km.	**tona**	**17.01**	**40.00**	**680.40**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	40.00	680.40

	procent	material	manopera	utilaj	transport	total
Total Cheltuieli directe:		**9,572.47**	**1,956.46**	**404.53**	**1,473.50**	**13,406.96**
Recapitulatia:	Recap 2019: CAM 2,25					
Contributie asiguratorie pentru munca (CAM)	2.2500 %	0.00	44.02	0.00	0.00	44.02
Total Inclusiv Cheltuieli directe:		**9,572.47**	**2,000.48**	**404.53**	**1,473.50**	**13,450.98**
Cheltuieli indirecte	8.0000 %	765.80	160.04	32.36	117.88	1,076.08
Total Inclusiv Cheltuieli indirecte:		**10,338.27**	**2,160.52**	**436.90**	**1,591.38**	**14,527.06**
Profit	5.0000 %	516.91	108.03	21.84	79.57	726.35
Total Inclusiv Beneficiu:		**10,855.18**	**2,268.54**	**458.74**	**1,670.95**	**15,253.42**

OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES

STADIUL FIZIC: CONSTRUCTII CAMIN DIN BOLTARI_CW3 (1 buc.) (1.0 x 2.0 x 1.8)

1	**TSC03G1**	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in autovehicule teren catg 3	**100 mc**	**0.15**	**1,040.00**	**156.00**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	1,040.00	156.00
				transport:	0.00	0.00
2	**TSA01D2**	Sapatura manuala de pamant in spatii inchise la deblee,in canale deschise,in gropi de imprumut la indepartarea stratului vegetal de 10-30 cm grosime etc....in pamant imbibat cu apa aruncarea in depozit sau vehicul la H<0.6 m teren foarte tare	**mc**	**1.84**	**109.30**	**201.10**
				material:	0.00	0.00
				manopera:	109.30	201.10
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3	**TRA01A05P**	Transportul rutier al...pamantului sau molozului cu autobasculanta dist.= 5 km	**tona**	**30.31**	**10.00**	**303.11**
				material:	0.00	0.00
				manopera:	0.00	0.01
				utilaj:	0.00	0.00
				transport:	10.00	303.10
4	**CA02C1**	Turnarea betonului armat in elementele constructiilor, exclusiv cele executate in cofraje glisante în fundatii continue, radiere si pereti cu grosime pâna la 30 cm inclusiv;	**mc**	**0.92**	**123.85**	**113.94**
				material:	0.40	0.37
				manopera:	115.95	106.67
				utilaj:	7.50	6.90
				transport:	0.00	0.00
4.L	11540336	Beton C32/40 (Bc 40) B500 , beton cu aditivi lucrabilitate T3(8+/-2)	mc	0.93	375.00	347.76

STADIUL FIZIC: CONSTRUCTII CAMIN DIN BOLTARI_CW3 (1 buc.) (1.0 x 2.0 x 1.8)

0	1		2	3	4	5 = 3 x 4
OBIECTUL:	**EXTINDERE RETEA APA SI BRANSAMENTE SAT METES**					
	STADIUL FIZIC:	**CONSTRUCTII CAMIN DIN BOLTARI_CW3 (1 buc.) (1.0 x 2.0 x 1.8)**				
5	**CA02C1**	Turnarea betonului armat in elementele constructiilor, exclusiv cele executate in cofraje glisante în fundatii continue, radiere si pereti cu grosime pâna la 30 cm inclusiv;	**mc**	**0.23**	**123.85**	**28.49**
				material:	0.40	0.09
				manopera:	115.95	26.67
				utilaj:	7.50	1.73
				transport:	0.00	0.00
5.L	2100945	BETON DE CIMENT B 150 STAS 3622	MC	0.05	300.00	16.01
6	**CA02C1**	Turnarea betonului armat in elementele constructiilor, exclusiv cele executate in cofraje glisante în fundatii continue, radiere si pereti cu grosime pâna la 30 cm inclusiv;	**mc**	**4.34**	**123.85**	**537.51**
				material:	0.40	1.74
				manopera:	115.95	503.22
				utilaj:	7.50	32.55
				transport:	0.00	0.00
6.L	2100969	BETON DE CIMENT B 250 STAS 3622	MC	4.34	340.00	1,475.60
7	**TRA06A40**	Transportul rutier al betonului-mortarului cu autobetoniera de...5,5 mc dist.=40 km	**tona**	**11.51**	**48.00**	**552.48**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	48.00	552.48
8	**CD06A1 (asim)**	Zidarie din boltari de fundatie 500x250x200 mm	**mc**	**2.80**	**542.64**	**1,519.38**
				material:	379.80	1,063.45
				manopera:	162.84	455.94
				utilaj:	0.00	0.00
				transport:	0.00	0.00
8.L	2101183	MORTAR DE ZIDARIE M 100 S 1030	MC	0.78	260.00	203.84
9	**CZ0302K1**	Confectionarea armaturilor din otel beton pentru beton armat în elemente de constructii turnate în cofraje, exclusiv cele executate în cofraje glisante fasonarea barelor pentru pereti, grinzi, stâlpi si diafragme la constructii obisnuite, în ateliere de santier, PC 52 D = 10 - 16 m	**kg**	**237.69**	**9.99**	**2,374.61**
				material:	9.14	2,171.30
				manopera:	0.86	203.31
				utilaj:	0.00	0.00
				transport:	0.00	0.00
10	**CL21A1**	Confectii metalice diverse înglobate total sau partial in beton din profile laminate, tabla, tabla striata, otel beton, tevi pentru sustineri sau acoperiri	**kg**	**5.00**	**4.62**	**23.09**
				material:	0.50	2.50
				manopera:	4.12	20.59
				utilaj:	0.00	0.00
				transport:	0.00	0.00
10.L	6309886	CONFECTII METALICE INGLOBATE INBETON	KG	5.00	9.00	45.00
11	**IZF05B1**	Strat hidroizolant executat la cald la cuve, rezervoare, bazine, subsoluri, radiere, canale, camine de vizitare, sau alte lucrari asemanatoare, construite pe terenuri cu ape freatice, executate cu carton bitumat tip * si mastic de bitum tip H 80/90, la pereti drepti	**mp**	**14.70**	**24.44**	**359.33**
				material:	17.99	264.48
				manopera:	5.70	83.83
				utilaj:	0.75	11.03
				transport:	0.00	0.00
11.L	2601204	@MEMBRANA HIDROIZOL PE POLIESTERDERBIGUM SP 4 MM	MP	239.17	15.00	3,587.54
12	**ACD01J1**	Capac si rama STAS 2308-81 pentru camine cu piesa suport carosabil tip III a	**buc**	**1.00**	**1,655.60**	**1,655.60**
				material:	1,585.90	1,585.90
				manopera:	69.70	69.70
				utilaj:	0.00	0.00
				transport:	0.00	0.00
13	**TRA02A40**	Transportul rutier al materialelor,semifabricatelor cu autocamionul pe dist.= ...40 km.	**tona**	**2.30**	**40.00**	**92.00**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	40.00	92.00

STADIUL FIZIC: CONSTRUCTII CAMIN DIN BOLTARI_CW3 (1 buc.) (1.0 x 2.0 x 1.8)

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES						
STADIUL FIZIC: CONSTRUCTII CAMIN DIN BOLTARI_CW3 (1 buc.) (1.0 x 2.0 x 1.8)						
14	TSA24B1	Epuizarea mecanica a apelor din sapaturi,in teren cu infiltratii puternice de apa,executate cu:...electropompa de apa de 8.1-14 Kw,monoetajata,de joasa presiune	ora	**1.00**	**50.00**	**50.00**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	50.00	50.00
				transport:	0.00	0.00
15	DA06A1	Strat de agregate naturale cilindrate (balast), avand functia de rezidenta filtranta, izolatoare, antigeliva si anticapilara, cu asternere manuala;	mc	**9.81**	**110.02**	**1,079.29**
				material:	63.86	626.47
				manopera:	36.75	360.51
				utilaj:	9.41	92.31
				transport:	0.00	0.00
16	TRA02A40	Transportul rutier al materialelor,semifabricatelor cu autocamionul pe dist.= ...40 km.	tona	**17.01**	**40.00**	**680.40**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	40.00	680.40

	procent	material	manopera	utilaj	transport	total
Total Cheltuieli directe:		**11,392.05**	**2,031.54**	**350.51**	**1,627.98**	**15,402.09**
Recapitulatia:	Recap 2019: CAM 2,25					
Contributie asiguratorie pentru munca (CAM)	2.2500 %	0.00	45.71	0.00	0.00	45.71
Total Inclusiv Cheltuieli directe:		**11,392.05**	**2,077.25**	**350.51**	**1,627.98**	**15,447.80**
Cheltuieli indirecte	8.0000 %	911.36	166.18	28.04	130.24	1,235.82
Total Inclusiv Cheltuieli indirecte:		**12,303.42**	**2,243.43**	**378.55**	**1,758.22**	**16,683.62**
Profit	5.0000 %	615.17	112.17	18.93	87.91	834.18
Total Inclusiv Beneficiu:		**12,918.59**	**2,355.60**	**397.48**	**1,846.13**	**17,517.80**

OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES PE DN74

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA

1 TERASAMENTE

1.1	TSC03C1	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in depozit teren catg 3	100 mc	**4.84**	**940.00**	**4,549.60**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	940.00	4,549.60
				transport:	0.00	0.00
1.2	TSC03G1	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in autovehicule teren catg 3	100 mc	**1.76**	**1,040.00**	**1,830.40**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	1,040.00	1,830.40
				transport:	0.00	0.00
1.3	TSB20A1	Sapatura in stanca cu ciocanul de abataj pneumatic,la rigole cu sectiunea triunghiulara,avand adancimea de pana la 0.35 m...roca semidura	mc	**19.60**	**294.02**	**5,762.82**
				material:	0.00	0.00
				manopera:	154.28	3,023.92
				utilaj:	139.74	2,738.90
				transport:	0.00	0.00
1.4	TSC35A1	Excavat,transport,cu incarcator frontal,la distante de :...incarcare in autovehicul cu incarcator frontal pe senile de 0.5-0.99 mc,pamant din teren categoria 1 la distanta < 10 m	100 mc	**0.20**	**618.80**	**121.28**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	618.80	121.28
				transport:	0.00	0.00
1.5	TSA04G1	Sapatura manuala de pamant in spatii limitate,avand sub 1 m latime si maximum 4.50 m adancime,executata cu sprijiniri,cu evacuare manuala,la fundatii,canale,drumuri etc...in pamant cu umiditate naturala adancimea sapaturii 1,5-3 teren foarte tare	mc	**36.00**	**173.97**	**6,262.86**
				material:	1.63	58.64
				manopera:	172.34	6,204.21
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA

0	1	2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES PE DN74					
STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA					
1.6	TRA01A05P Transportul rutier al...pamantului sau molozului cu autobasculanta dist.= 5 km	tona	**352.80**	**10.00**	**3,528.11**
			material:	0.00	0.00
			manopera:	0.00	0.11
			utilaj:	0.00	0.00
			transport:	10.00	3,528.00
1.7	TSF01C1 Sprijiniri de maluri,cu dulapi de fag asezati orizontal,la sapaturi executate in spatii limitate,avand latimea de pana la 1.50 m intre maluri...adancimea sapaturii de 2.01-4 m,intre dulapi 0.21-20 m	mp	**306.00**	**22.03**	**6,741.61**
			material:	3.66	1,119.04
			manopera:	18.37	5,622.57
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.8	TSA24A1 Epuizarea mecanica a apelor din sapaturi,in teren cu infiltratii puternice de apa,executate cu:...motopompa de apa 6.6-12 Kw (9-16 CP)	ora	**12.00**	**72.00**	**864.00**
			material:	0.00	0.00
			manopera:	0.00	0.00
			utilaj:	72.00	864.00
			transport:	0.00	0.00
1.9	ACE06A1 Sustineri din lemn pentru cabluri si conducte intilnite in sapatura : grele	m	**55.00**	**57.93**	**3,186.00**
			material:	32.90	1,809.50
			manopera:	25.03	1,376.50
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.10	ACE16A1 Montarea parapetelor si podetelor metalice de inventar la santuri pentru conducte	m	**12.00**	**5.07**	**60.82**
			material:	0.00	0.00
			manopera:	5.07	60.82
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.11	CQ16B#-2 Foraj rotativ cu circulatie directa de noroi bentonitic pentru consolidari si etansari de terenuri cu diametrul de la 130 la 200 mm, netubat, exclusiv prepararea si recircularea noroiului:...teren categoria II	m	**40.00**	**476.12**	**19,044.89**
			material:	39.20	1,567.90
			manopera:	58.92	2,356.99
			utilaj:	378.00	15,120.00
			transport:	0.00	0.00
1.12	20014127 Teava PE 100 SDR11 PN16 D=200x18.20mm	m	**40.00**	**141.55**	**5,662.00**
			material:	141.55	5,662.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
2	**REFACERI**				
2.1	DA06A2 Strat de agregate naturale cilindrate (nisip), avand functia de rezidenta filtranta, izolatoare, antigeliva si anticapilara, cu asternere manuala;	mc	**196.00**	**128.50**	**25,186.89**
			material:	82.35	16,139.77
			manopera:	36.75	7,202.76
			utilaj:	9.41	1,844.36
			transport:	0.00	0.00
2.2	TRA01A40 Transportul rutier al...materialelor,semifabricatelor cu autobasculanta pe dist.= 40 km.	tona	**352.80**	**40.00**	**14,112.00**
			material:	0.00	0.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	40.00	14,112.00
2.3	TRB01B11 Transportul materialelor cu roaba pe pneuri inc aruncare desc aruncare grupa...1-3 distanta 10m	tona	**88.00**	**22.49**	**1,979.34**
			material:	0.00	0.00
			manopera:	22.49	1,979.34
			utilaj:	0.00	0.00
			transport:	0.00	0.00

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES PE DN74						
	STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA					
2.4	TSD02C1	Imprastierea pamantului afanat provenit din teren categoria 1 sau 2,executata cu buldozer pe tractor cu senile de 65-80 CP,in straturi cu grosimea de:...31-50 cm	100 mc	5.20	188.00	977.60
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	188.00	977.60
				transport:	0.00	0.00
2.5	TSD06A1	Compactarea cu placa vibratoare a umpluturilor in straturi de 20-30 cm grosime,exclusiv udarea fiecarui strat in parte,umpluturile executandu-se din pamant necoeziv,compactat cu:...placa vibratoare de 0.7 t	100 mc	5.20	286.39	1,489.24
				material:	0.00	0.00
				manopera:	139.39	724.84
				utilaj:	147.00	764.40
				transport:	0.00	0.00
3	INSTALATII					
3.1	RPAB13G1	Manevrarea (inchidere-deschidere) vane pentru izolare zone retea...manual in camin vana d= 50-200 mm	buc	2.00	12.20	24.39
				material:	0.00	0.00
				manopera:	12.20	24.39
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.2	RPAC18A1	Taierea in sant cu flacara oxiacetilenica a tevilor din otel avand diam....200 mm	buc	4.00	22.98	91.93
				material:	3.34	13.36
				manopera:	19.64	78.57
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.3	ACB08C1 (ASIM)	Montarea in pamant a tevilor din polietilena de presiune, de inalta densitatae, densitate alimentarilor cu apa, asamblate prin sudura, avand diametrul de 90-110mm	m	680.00	8.19	5,567.84
				material:	2.52	1,713.60
				manopera:	3.17	2,154.24
				utilaj:	2.50	1,700.00
				transport:	0.00	0.00
3.3.L	6701129	Teava HDPE 80 312uni7611.7615 pn6 DN 110x6.2 cod 64000092	m	690.20	28.55	19,705.21
3.4	ACB08C1(ASIM)	Montarea in pamant a tevilor din polietilena de presiune, de inalta densitate, densitate alimentarilor cu apa, asamblate prin sudare, avand diametrul de 90-110mm	m	2.00	10.29	20.58
				material:	2.96	5.91
				manopera:	6.34	12.67
				utilaj:	1.00	2.00
				transport:	0.00	0.00
3.4.L	6701128	Teava HDPE 80 312uni7611.7615 pn6 DN 90x5.1 cod 64000091	m	2.03	19.00	38.57
3.5	W2H05A-1% (asim)	Montat banda avertizoare	m	692.00	1.83	1,268.92
				material:	0.57	392.02
				manopera:	1.27	876.90
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.6	EB01A1 (asim)	Montat conductor insotitor din cupru	m	692.00	1.95	1,350.92
				material:	1.00	693.25
				manopera:	0.95	657.68
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.7	AcE09D1 [1]	Sudura prin electrofuziune mufa/cot electrosudabil din PEHD D = 90-110mm	buc	15.00	58.54	878.04
				material:	3.66	54.86
				manopera:	27.88	418.18
				utilaj:	27.00	405.00
				transport:	0.00	0.00
3.7.L	20020228	Mufa electrosudabila <safekit> pehd d.110	buc	15.00	52.25	783.75

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES PE DN74						
	STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA					
3.8	AcE09D1 [1]	Sudura prin electrofuziune mufa/cot electrosudabil din PEHD D = 90-110mm	buc	**1.00**	**64.14**	**64.14**
				material:	9.26	9.26
				manopera:	27.88	27.88
				utilaj:	27.00	27.00
				transport:	0.00	0.00
3.8.L	20020294	Dop electrosudabil d.110	buc	1.00	132.30	132.30
4	**HIDRANT**					
4.1	ACE01A1 (asim)	Hidrant subteran de incendiu avand d: 80 mm	buc	**1.00**	**2,601.63**	**2,601.63**
				material:	2,515.47	2,515.47
				manopera:	86.17	86.17
				utilaj:	0.00	0.00
				transport:	0.00	0.00
4.2	AcE09D1 [1]	Sudura prin electrofuziune mufa/cot electrosudabil din PEHD D = 90-110mm	buc	**2.00**	**58.54**	**117.07**
				material:	3.66	7.32
				manopera:	27.88	55.76
				utilaj:	27.00	54.00
				transport:	0.00	0.00
4.2.L	20020228	Mufa electrosudabila <safekit> pehd d.110	buc	2.00	52.25	104.50
4.3	AcE09D1 [1]	Sudura prin electrofuziune mufa/cot electrosudabil din PEHD D = 90-110mm	buc	**1.00**	**57.86**	**57.86**
				material:	2.99	2.99
				manopera:	27.88	27.88
				utilaj:	27.00	27.00
				transport:	0.00	0.00
4.3.L	20020227	Mufa electrosudabila <safekit> pehd d. 90	buc	1.00	42.65	42.65
4.4	AcE09D1 [ASIM2]	Sudura prin electrofuziune teu electrosudabil din PEHD D = 90-110mm	buc	**1.00**	**79.64**	**79.64**
				material:	11.26	11.26
				manopera:	27.88	27.88
				utilaj:	40.50	40.50
				transport:	0.00	0.00
4.4.L	6714910	Teu redus pe80 pentru sudura pn6 dn110x90 cod 66230009	buc	1.00	160.90	160.90
4.5	AcE09D1 [ASIM 2]	Sudura prin electrofuziune capat flanse din PEHD D = 90-110mm	buc	**1.00**	**34.68**	**34.68**
				material:	2.74	2.74
				manopera:	13.94	13.94
				utilaj:	18.00	18.00
				transport:	0.00	0.00
4.5.L	20019546	Capat flansa apa/gaz pe100 d. 90 sdr17	buc	1.00	39.10	39.10
4.6	ACB10C1	Flansa din otel rotunda montata prin sudura electr. avand dn = 100	buc	**1.00**	**56.32**	**56.32**
				material:	8.32	8.32
				manopera:	28.20	28.20
				utilaj:	19.80	19.80
				transport:	0.00	0.00
4.6.L	4427221	Flansa plata libera otel pentru pehd DN 90 cod 66402007	buc	1.00	62.10	62.10
4.7	ACB05B1	Imbinare cu flanse piese leg. flanse armaturi si contoare cu dn 80 mm si pn 2,5;6 at.	buc	**2.00**	**28.19**	**56.39**
				material:	0.00	0.00
				manopera:	28.19	56.39
				utilaj:	0.00	0.00
				transport:	0.00	0.00
4.7.L	6607575	Garnitura de etansare ans plan pn6/2,5 D = 80 M 100-500 g2x4 s1733	buc	2.02	11.60	23.43
4.7.L	5801916	Surub cap hexagonal precis M 16 x 80 gr. 5.8 s4272	buc	8.00	15.35	122.80
4.7.L	5843146	Piulita hexagonala speciala s 4071 OL 37 M 16	buc	8.00	1.10	8.80
5	**PROBE**					

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES PE DN74						
STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA						
5.1	ACE07B1	Spalarea si desinfectarea conductelor de alimentare cu apa avand dn 80	100 m	6.92	60.28	417.30
				material:	10.55	73.00
				manopera:	49.74	344.30
				utilaj:	0.00	0.00
				transport:	0.00	0.00
5.2	ACB13C1	Inchidere capete conducta otel pentru proba presiune avand dn 100	buc	2.00	267.94	535.88
				material:	2.80	5.60
				manopera:	253.44	506.88
				utilaj:	11.70	23.40
				transport:	0.00	0.00
5.2.L	3110325	Teava pentru constructii fara sudura LC 114 x 8 / OLT 35 s 404/2	m	1.00	120.48	120.48

	procent	material	manopera	utilaj	transport	total
Total Cheltuieli directe:		**53,210.39**	**33,949.95**	**31,127.25**	**17,640.00**	**135,927.59**
Recapitulatia: Recap 2019: CAM 2,25						
Contributie asiguratorie pentru munca (CAM)	2.2500 %	0.00	763.87	0.00	0.00	763.87
Total Inclusiv Cheltuieli directe:		**53,210.39**	**34,713.82**	**31,127.25**	**17,640.00**	**136,691.46**
Cheltuieli indirecte	8.0000 %	4,256.83	2,777.11	2,490.18	1,411.20	10,935.32
Total Inclusiv Cheltuieli indirecte:		**57,467.22**	**37,490.92**	**33,617.43**	**19,051.20**	**147,626.78**
Profit	5.0000 %	2,873.36	1,874.55	1,680.87	952.56	7,381.34
Total Inclusiv Beneficiu:		**60,340.58**	**39,365.47**	**35,298.30**	**20,003.76**	**155,008.12**

OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES PE DN74

STADIUL FIZIC: BRANSAMENT APA_(3 buc.)

1 TERASAMENTE

1.1	TSC03C1	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in depozit teren catg 3	100 mc	0.04	940.00	37.60
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	940.00	37.60
				transport:	0.00	0.00
1.2	TSC03G1	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in autovehicule teren catg 3	100 mc	0.09	1,040.00	93.60
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	1,040.00	93.60
				transport:	0.00	0.00
1.3	TSA04G1	Sapatura manuala de pamant in spatii limitate,avand sub 1 m latime si maximum 4.50 m adancime,executata cu sprijiniri,cu evacuare manuala,la fundatii,canale,drumuri etc...in pamant cu umiditate naturala adancimea sapaturii 1,5-3 teren foarte tare	mc	1.40	173.97	243.56
				material:	1.63	2.28
				manopera:	172.34	241.27
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.4	TRA01A05P	Transportul rutier al...pamantului sau molozului cu autobasculanta dist.= 5 km	tona	16.20	10.00	162.01
				material:	0.00	0.00
				manopera:	0.00	0.01
				utilaj:	0.00	0.00
				transport:	10.00	162.00

2 REFACERI

2.1	DA06A2	Strat de agregate naturale cilindrate (nisip), avand functia de rezidenta filtranta, izolatoare, antigeliva si anticapilara, cu asternere manuala;	mc	1.14	128.50	146.50
				material:	82.35	93.87
				manopera:	36.75	41.89
				utilaj:	9.41	10.73
				transport:	0.00	0.00

STADIUL FIZIC: BRANSAMENT APA_(3 buc.)

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES PE DN74						
	STADIUL FIZIC: BRANSAMENT APA_(3 buc.)					
2.2	TRA01A40	Transportul rutier al...materialelor,semifabricatelor cu autobasculanta pe dist.= 40 km.	tona	**2.05**	**40.00**	**82.00**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	40.00	82.00
2.3	TRB01B11	Transportul materialelor cu roaba pe pneuri inc aruncare desc aruncare grupa...1-3 distanta 10m	tona	**0.50**	**22.49**	**11.25**
				material:	0.00	0.00
				manopera:	22.49	11.25
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.4	TSD02C1	Imprastierea pamantului afanat provenit din teren categoria 1 sau 2,executata cu buldozer pe tractor cu senile de 65-80 CP,in straturi cu grosimea de:...31-50 cm	100 mc	**0.05**	**188.00**	**10.15**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	188.00	10.15
				transport:	0.00	0.00
2.5	TSD06A1	Compactarea cu placa vibratoare a umpluturilor in straturi de 20-30 cm grosime,exclusiv udarea fiecarui strat in parte,umpluturile executandu-se din pamant necoeziv,compactat cu:...placa vibratoare de 0.7 t	100 mc	**0.05**	**286.39**	**15.47**
				material:	0.00	0.00
				manopera:	139.39	7.53
				utilaj:	147.00	7.94
				transport:	0.00	0.00
3	**INSTALATII**					
3.1	ACA12A(+asim)	Montarea in pamant a tevilor din polietilena de presiune, de inalta densitatae, densitate alimentarilor cu apa, asamblate prin metoda de sudare manuala, cu manson de polietilena, cu flanse, conform normativului I-6-PE, avand diametrul de: 20-25mm	m	**5.00**	**9.80**	**48.99**
				material:	2.66	13.31
				manopera:	6.34	31.68
				utilaj:	0.80	4.00
				transport:	0.00	0.00
3.1.L	6701122	Teava HDPE 80 312uni7611.7615 pn6 DN 25x1.6 cod 64000085	m	5.10	2.15	10.97
3.2	W2H05A-1% (asim)	Montat banda avertizoare	m	**5.10**	**1.83**	**9.35**
				material:	0.57	2.89
				manopera:	1.27	6.46
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.3	EB01A1 (asim)	Montat conductor insotitor din cupru	m	**5.10**	**1.95**	**9.96**
				material:	1.00	5.11
				manopera:	0.95	4.85
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.4	AcA62D+	Sudura prin electrofuziune sa/teu bransament electrosudabil cu/fara colier din PEHD - VALROM...D = 90-160 mm	buc	**1.00**	**17.01**	**17.01**
				material:	0.00	0.00
				manopera:	15.21	15.21
				utilaj:	1.80	1.80
				transport:	0.00	0.00
3.5	17000319970	Teu bransament cu colier d=110x25	buc	**1.00**	**173.35**	**173.35**
				material:	173.35	173.35
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.6	AcA54A+ (ASIM)	Sudura cap la cap fiting din PEHD PE100 SDR 17 cu 2 imbinari D = 20 - 50 mm	buc	**3.00**	**138.72**	**416.15**
				material:	0.00	0.00
				manopera:	36.12	108.35
				utilaj:	102.60	307.80
				transport:	0.00	0.00

STADIUL FIZIC: BRANSAMENT APA_(3 buc.)

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES PE DN74						
STADIUL FIZIC: BRANSAMENT APA_(3 buc.)						
3.7	20010127	Mufa electrosudabila pehd dn=25mm	buc	**2.00**	**14.80**	**29.60**
				material:	14.80	29.60
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.8	11804882	Racord FI 25 x 3/4	buc	**1.00**	**15.05**	**15.05**
				material:	15.05	15.05
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.9	AcA65B+	Imbinare fiting de compresiune din PEHD - VALROM cu 2 imbinari (racord/cot tip FE sau FI)...D = 25-32 x ¾"	buc	**2.00**	**4.56**	**9.12**
				material:	0.12	0.25
				manopera:	4.44	8.87
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.9.L	20020489	Racord <waterkit> compres.d. 25x3/4 fi	buc	2.00	15.05	30.10
3.10	IC34C1	Fitinguri din fonta maleabila pentru imbin. insurub. tevi. otel piesele fiind cu 2 insurub. pentru d=3/4 toli	buc	**4.00**	**7.13**	**28.52**
				material:	0.16	0.64
				manopera:	6.97	27.88
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.11	4123164	Niplu normal zincat DN 3/4 cod 45028003	buc	**2.00**	**3.95**	**7.90**
				material:	3.95	7.90
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.12	4113845	Reductie zincata fi-fe DN 3/4x1/2 cod 45024103	buc	**2.00**	**3.50**	**7.00**
				material:	3.50	7.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.13	IC34B1	Fitinguri din fonta maleabila pentru imbin. insurub. tevi. otel piesele fiind cu 2 insurub. pentru d=1/2 toli	buc	**1.00**	**5.19**	**5.19**
				material:	0.12	0.12
				manopera:	5.07	5.07
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.14	4123114	Niplu normal zincat DN 1/2 cod 45028002	buc	**1.00**	**3.05**	**3.05**
				material:	3.05	3.05
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.15	IC34M1	Fitinguri din fonta maleabila pentru imbin. insurub. tevi. otel piesele fiind cu 3 insurub. pentru d=3/4 toli	buc	**1.00**	**13.55**	**13.55**
				material:	0.24	0.24
				manopera:	13.31	13.31
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.16	4114614	Teu redus zincat DN 3/4x1/2x3/4 cod 45r13008	buc	**1.00**	**5.65**	**5.65**
				material:	5.65	5.65
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.17	SD10B1	Robinet...trecere din am,pentru tevi plumb cu d=3/4 ,roata manevra bachelita,simbol a 83-3/4	buc	**2.00**	**82.10**	**164.19**
				material:	59.92	119.84
				manopera:	22.18	44.35
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: BRANSAMENT APA_(3 buc.)

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT METES PE DN74						
STADIUL FIZIC: BRANSAMENT APA_(3 buc.)						
3.17.	4204427	Robinet de trecere cu sfera pentru apa, tip fi - fi cu D = 3/4"	buc	2.00	20.95	41.90
3.18	SD10A1	Robinet...de trecere din alama pentru tevi de plumb,cu diametrul d=3/8 sau d=1/2 toli	buc	**1.00**	**51.59**	**51.59**
				material:	33.53	33.53
				manopera:	18.06	18.06
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.18.	4204422	Robinet de trecere cu sfera pentru apa, tip fi - fi cu D = 1/2"	buc	1.00	12.00	12.00
3.19	ACE12A1	Montare contor de apa cu palete avand d 15 mm	buc	**1.00**	**42.81**	**42.81**
				material:	6.38	6.38
				manopera:	36.43	36.43
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.20	20032489	APOMETRU DN15	buc	**1.00**	**222.20**	**222.20**
				material:	222.20	222.20
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.21	AcD101A03+ (asim1)	Camine prefabricate din beton pentru apa, avand:d=80cm, H=130 cm, g=12cm, pentru imbinare cu garnitura	buc	**1.00**	**674.46**	**674.46**
				material:	645.00	645.00
				manopera:	29.46	29.46
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.22	ACD01J1	Capac si rama STAS 2308-81 pentru camine cu piesa suport carosabil tip III a	buc	**1.00**	**882.14**	**882.14**
				material:	812.44	812.44
				manopera:	69.70	69.70
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.23	ACE07A1	Spalarea si desinfectarea conductelor de alimentare cu apa avand dn 50	100 m	**0.05**	**53.90**	**2.69**
				material:	4.16	0.21
				manopera:	49.74	2.49
				utilaj:	0.00	0.00
				transport:	0.00	0.00

	procent	material	manopera	utilaj	transport	total
Total Cheltuieli directe:		**2,294.87**	**724.10**	**473.62**	**244.00**	**3,736.59**
Recapitulatia:	Recap 2019: CAM 2,25					
Contributie asiguratorie pentru munca (CAM)	2.2500 %	0.00	16.29	0.00	0.00	16.29
Total Inclusiv Cheltuieli directe:		**2,294.87**	**740.39**	**473.62**	**244.00**	**3,752.88**
Cheltuieli indirecte	8.0000 %	183.59	59.23	37.89	19.52	300.23
Total Inclusiv Cheltuieli indirecte:		**2,478.46**	**799.62**	**511.51**	**263.52**	**4,053.11**
Profit	5.0000 %	123.92	39.98	25.58	13.18	202.66
Total Inclusiv Beneficiu:		**2,602.39**	**839.60**	**537.08**	**276.70**	**4,255.77**

OBIECTUL: STATIE DE POMPARE SAT TAUTI						
STADIUL FIZIC: FUNDATIE CONTAINER						
1	TSA01D2	Sapatura manuala de pamant in spatii inchise la deblee,in canale deschise,in gropi de imprumut la indepartarea stratului vegetal de 10-30 cm grosime etc....in pamant imbibat cu apa aruncarea in depozit sau vehicul la H<0.6 m teren foarte tare	mc	**5.60**	**109.30**	**612.06**
				material:	0.00	0.00
				manopera:	109.30	612.06
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: FUNDATIE CONTAINER

0	1		2	3	4	5 = 3 x 4
OBIECTUL: STATIE DE POMPARE SAT TAUTI						
STADIUL FIZIC: FUNDATIE CONTAINER						
2	ACE08E1	Umplutura in sant la cond. de alim. cu apa si canalizare cu balast	mc	2.10	76.13	159.87
				material:	49.20	103.32
				manopera:	26.93	56.55
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3	CA02C1	Turnarea betonului armat in elementele constructiilor, exclusiv cele executate in cofraje glisante în fundatii continue, radiere si pereti cu grosime pâna la 30 cm inclusiv;	mc	1.40	123.85	173.39
				material:	0.40	0.56
				manopera:	115.95	162.33
				utilaj:	7.50	10.50
				transport:	0.00	0.00
3.L	2100945	Beton de ciment B 150 stas 3622	mc	1.41	300.00	423.36
4	CZ0301K1	Confectionarea armaturilor din otel beton pentru beton armat în fundatii fasonarea barelor pentru fundatii izolate, (inclusiv fundatii pahar), continui si radiere, în ateliere de santier, PC 52, D = 10-16 mm;	kg	233.10	10.05	2,343.52
				material:	9.14	2,129.37
				manopera:	0.92	214.15
				utilaj:	0.00	0.00
				transport:	0.00	0.00
5	CC01C1	Montarea armaturilor din otel-beton in fundatii continue si radiere (placi), distantier din mase plastice	kg	233.10	0.77	179.51
				material:	0.14	31.82
				manopera:	0.63	147.69
				utilaj:	0.00	0.00
				transport:	0.00	0.00
6	CB01A1	Cofraje pentru beton in cuzineti, fundatii pahar si fundatii de utilaje simple cu forme regulate din panouri refolosibile cu astereala din scinduri de rasinoase, cu astereala din scânduri de rasinoase scurte si subscurte inclusiv sprijinirile	mp	3.75	42.39	158.98
				material:	5.33	19.98
				manopera:	37.07	139.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
7	CA02C1	Turnarea betonului armat in elementele constructiilor, exclusiv cele executate in cofraje glisante în fundatii continue, radiere si pereti cu grosime pâna la 30 cm inclusiv;	mc	3.50	123.85	433.48
				material:	0.40	1.41
				manopera:	115.95	405.82
				utilaj:	7.50	26.25
				transport:	0.00	0.00
7.L	2100971	Beton de ciment B 300 stas 3622	mc	3.53	345.00	1,217.16
	TRA06A40	Transportul rutier al betonului-mortarului cu autobetoniera de...5,5 mc dist.=40 km	tona	11.86	48.00	569.28
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	48.00	569.28
	TRA01A40	Transportul rutier al...materialelor,semifabricatelor cu autobasculanta pe dist.= 40 km.	tona	3.78	40.00	151.20
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	40.00	151.20
10	TRA01A05P	Transportul rutier al...pamantului sau molozului cu autobasculanta dist.= 5 km	tona	10.08	10.00	100.80
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	10.00	100.80
	TRA02A40	Transportul rutier al materialelor,semifabricatelor cu autocamionul pe dist.= ...40 km.	tona	0.50	40.00	20.00
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	40.00	20.00

STADIUL FIZIC: FUNDATIE CONTAINER

0	1	2	3	4	5 = 3 x 4
OBIECTUL: STATIE DE POMPARE SAT TAUTI					
STADIUL FIZIC: FUNDATIE CONTAINER					
12	MDTA4624A1 Montarea...completa utilaj-65121003-macara pe pneuri de 0,15-0,199 mn(15-19,9tf)	buc	**1.00**	**0.81**	**0.81**
			material:	0.00	0.00
			manopera:	0.00	0.00
			utilaj:	0.81	0.81
			transport:	0.00	0.00
13	MDTB4624A1 Demontarea...completa utilaj-65121003-macara pe pneuri de 0,15-0,199 mn(15-19,9tf)	buc	**1.00**	**0.47**	**0.47**
			material:	0.00	0.00
			manopera:	0.00	0.00
			utilaj:	0.47	0.47
			transport:	0.00	0.00
14	MDTC4624010 Transport utilaj...10 km-65121003-macara pe pneuri de 0,15-0,199 mn(15-19,9tf)	buc	**1.00**	**0.19**	**0.19**
			material:	0.00	0.00
			manopera:	0.00	0.00
			utilaj:	0.19	0.19
			transport:	0.00	0.00
15	MDTC4624025 Transport utilaj...25 km-65121003-macara pe pneuri de 0,15-0,199 mn(15-19,9tf)	buc	**1.00**	**0.42**	**0.42**
			material:	0.00	0.00
			manopera:	0.00	0.00
			utilaj:	0.42	0.42
			transport:	0.00	0.00
16	AUT6754 Automacara 15- 19,9 tf cu brat cu zabrele	ora	**5.00**	**250.00**	**1,250.00**
			material:	0.00	0.00
			manopera:	0.00	0.00
			utilaj:	250.00	1,250.00
			transport:	0.00	0.00
17	CL22A1 Piese metalice gata confectionate înglobate în beton la turnare, pentru trecerea conductelor prin peretii rezervoarelor izolate cu franghie gudronata	kg	**50.00**	**7.01**	**350.69**
			material:	2.26	113.09
			manopera:	4.75	237.60
			utilaj:	0.00	0.00
			transport:	0.00	0.00
17.L	6311607 Piesa metal.de trecere etansa prin zid A conduct.	kg	50.00	6.13	306.50

	procent	material	manopera	utilaj	transport	total
Total Cheltuieli directe:		**4,346.57**	**1,975.20**	**1,288.63**	**841.28**	**8,451.68**
Recapitulatia:	Recap 2019: CAM 2,25					
Contributie asiguratorie pentru munca (CAM)	2.2500 %	0.00	44.44	0.00	0.00	44.44
Total Inclusiv Cheltuieli directe:		**4,346.57**	**2,019.64**	**1,288.63**	**841.28**	**8,496.12**
Cheltuieli indirecte	8.0000 %	347.73	161.57	103.09	67.30	679.69
Total Inclusiv Cheltuieli indirecte:		**4,694.29**	**2,181.21**	**1,391.72**	**908.58**	**9,175.81**
Profit	5.0000 %	234.71	109.06	69.59	45.43	458.79
Total Inclusiv Beneficiu:		**4,929.01**	**2,290.27**	**1,461.31**	**954.01**	**9,634.60**

OBIECTUL: STATIE DE POMPARE SAT TAUTI						
STADIUL FIZIC: MONTAJ UTILAJE						
1	M1B10A1	Electropompe, pompe vid, centrifuge supercentrifuge livrate asamblate...0,2-0,5 t.	tona	**0.30**	**2,999.51**	**899.85**
				material:	219.71	65.91
				manopera:	2,494.80	748.44
				utilaj:	285.00	85.50
				transport:	0.00	0.00
2	M7C04A1	Forte de munca pentru proba de punere in funct a agregrotative cu el mot cu putere...p la 100 kw	buc	**1.00**	**1,606.18**	**1,606.18**
				material:	0.00	0.00
				manopera:	1,606.18	1,606.18
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: MONTAJ UTILAJE

0	1		2	3	4	5 = 3 x 4
OBIECTUL: STATIE DE POMPARE SAT TAUTI						
STADIUL FIZIC: MONTAJ UTILAJE						
3	M7C06A1	Energie electrica pentru...proba de punere in funct. a agreg. rotative cu motoare pina la 100 kw	kw	50.00	3.58	179.20
				material:	3.58	179.20
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
4	M1G39A1	Montare retelei de actionare pneumatic pe utilaje cu...racorduri de aliment. pina la 15 mm. 2 cilindri	tona	0.20	5,770.33	1,154.07
				material:	1,646.56	329.31
				manopera:	4,123.78	824.76
				utilaj:	0.00	0.00
				transport:	0.00	0.00
5	ATE11A	Teste si incercari: incerc si verific debitmetre diferentiale indicator	buc	2.00	185.37	370.74
				material:	0.00	0.00
				manopera:	148.90	297.79
				utilaj:	36.48	72.95
				transport:	0.00	0.00
6	M1A01A1	Recipiente metalice (rezervoare,vase,bazine) din otel carbon,asamblat,montate simpla...asezare< 1 t.	tona	1.00	955.28	955.28
				material:	180.86	180.86
				manopera:	774.42	774.42
				utilaj:	0.00	0.00
				transport:	0.00	0.00
7	MDTA4624A1	Montarea...completa utilaj-65121003-macara pe pneuri de 0,15-0,199 mn(15-19,9tf)	buc	1.00	0.81	0.81
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.81	0.81
				transport:	0.00	0.00
8	MDTB4624A1	Demontarea...completa utilaj-65121003-macara pe pneuri de 0,15-0,199 mn(15-19,9tf)	buc	1.00	0.47	0.47
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.47	0.47
				transport:	0.00	0.00
9	MDTC4624010	Transport utilaj...10 km-65121003-macara pe pneuri de 0,15-0,199 mn(15-19,9tf)	buc	1.00	0.19	0.19
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.19	0.19
				transport:	0.00	0.00
10	MDTC4624025	Transport utilaj...25 km-65121003-macara pe pneuri de 0,15-0,199 mn(15-19,9tf)	buc	1.00	0.42	0.42
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.42	0.42
				transport:	0.00	0.00
11	AUT6754	Automacara 15- 19,9 tf cu brat cu zabrele	ora	2.00	250.00	500.00
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	250.00	500.00
				transport:	0.00	0.00

	procent	material	manopera	utilaj	transport	total
Total Cheltuieli directe:		755.28	4,251.58	660.34	0.00	5,667.20

STADIUL FIZIC: MONTAJ UTILAJE

0	1		2	3	4	5 = 3 x 4
Recapitulatia:	Recap 2019: CAM 2,25					
Contributie asiguratorie pentru munca (CAM)	2.2500 %	0.00	95.66	0.00	0.00	95.66
Total Inclusiv Cheltuieli directe:		**755.28**	**4,347.24**	**660.34**	**0.00**	**5,762.86**
Cheltuieli indirecte	8.0000 %	60.42	347.78	52.83	0.00	461.03
Total Inclusiv Cheltuieli indirecte:		**815.71**	**4,695.02**	**713.16**	**0.00**	**6,223.89**
Profit	5.0000 %	40.79	234.75	35.66	0.00	311.19
Total Inclusiv Beneficiu:		**856.49**	**4,929.77**	**748.82**	**0.00**	**6,535.08**

OBIECTUL: STATIE DE POMPARE SAT TAUTI

STADIUL FIZIC: INSTALATII HIDRAULICE

1 TERASAMENTE

1.1	**TSC03C1**	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in depozit teren catg 3	**100 mc**	**0.15**	**940.00**	**141.00**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	940.00	141.00
				transport:	0.00	0.00
1.2	**TSC03G1**	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in autovehicule teren catg 3	**100 mc**	**0.05**	**1,040.00**	**52.00**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	1,040.00	52.00
				transport:	0.00	0.00
1.3	**TSA04G1**	Sapatura manuala de pamant in spatii limitate,avand sub 1 m latime si maximum 4.50 m adancime,executata cu sprijiniri,cu evacuare manuala,la fundatii,canale,drumuri etc...in pamant cu umiditate naturala adancimea sapaturii 1,5-3 teren foarte tare	**mc**	**1.00**	**173.97**	**173.97**
				material:	1.63	1.63
				manopera:	172.34	172.34
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.4	**TRA01A05P**	Transportul rutier al...pamantului sau molozului cu autobasculanta dist.= 5 km	**tona**	**9.00**	**10.00**	**90.00**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	10.00	90.00
1.5	**TSF01C1**	Sprijiniri de maluri,cu dulapi de fag asezati orizontal,la sapaturi executate in spatii limitate,avand latimea de pana la 1.50 m intre maluri...adancimea sapaturii de 2.01-4 m,intre dulapi 0.21-20 m	**mp**	**9.00**	**22.03**	**198.28**
				material:	3.66	32.91
				manopera:	18.37	165.37
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.6	**TSA24A1**	Epuizarea mecanica a apelor din sapaturi,in teren cu infiltratii puternice de apa,executate cu:...motopompa de apa 6.6-12 Kw (9-16 CP)	**ora**	**1.00**	**72.00**	**72.00**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	72.00	72.00
				transport:	0.00	0.00
1.7	**ACE06A1**	Sustineri din lemn pentru cabluri si conducte intilnite in sapatura : grele	**m**	**2.00**	**57.93**	**115.85**
				material:	32.90	65.80
				manopera:	25.03	50.05
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.8	**ACE16A1**	Montarea parapetelor si podetelor metalice de inventar la santuri pentru conducte	**m**	**4.00**	**5.07**	**20.27**
				material:	0.00	0.00
				manopera:	5.07	20.27
				utilaj:	0.00	0.00
				transport:	0.00	0.00

2 REFACERI

STADIUL FIZIC: INSTALATII HIDRAULICE

0	1		2	3	4	5 = 3 x 4
OBIECTUL: STATIE DE POMPARE SAT TAUTI						
	STADIUL FIZIC: INSTALATII HIDRAULICE					
2.1	DA06A2	Strat de agregate naturale cilindrate (nisip), avand functia de rezidenta filtranta, izolatoare, antigeliva si anticapilara, cu asternere manuala;	mc	5.00	128.50	642.52
				material:	82.35	411.73
				manopera:	36.75	183.74
				utilaj:	9.41	47.05
				transport:	0.00	0.00
2.2	TRA01A40	Transportul rutier al...materialelor,semifabricatelor cu autobasculanta pe dist.= 40 km.	tona	9.00	40.00	360.00
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	40.00	360.00
2.3	TRB01B11	Transportul materialelor cu roaba pe pneuri inc aruncare desc aruncare grupa...1-3 distanta 10m	tona	2.00	22.49	44.98
				material:	0.00	0.00
				manopera:	22.49	44.98
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.4	TSD02C1	Imprastierea pamantului afanat provenit din teren categoria 1 sau 2,executata cu buldozer pe tractor cu senile de 65-80 CP,in straturi cu grosimea de:...31-50 cm	100 mc	0.16	188.00	30.08
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	188.00	30.08
				transport:	0.00	0.00
2.5	TSD06A1	Compactarea cu placa vibratoare a umpluturilor in straturi de 20-30 cm grosime,exclusiv udarea fiecarui strat in parte,umpluturile executandu-se din pamant necoeziv,compactat cu:...placa vibratoare de 0.7 t	100 mc	0.16	286.39	45.82
				material:	0.00	0.00
				manopera:	139.39	22.30
				utilaj:	147.00	23.52
				transport:	0.00	0.00
3	INSTALATII					
3.1	RPAB13G1	Manevrarea (inchidere-deschidere) vane pentru izolare zone retea...manual in camin vana d= 50-200 mm	buc	6.00	12.20	73.18
				material:	0.00	0.00
				manopera:	12.20	73.18
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.2	RPAC18A1	Taierea in sant cu flacara oxiacetilenica a tevilor din otel avand diam....200 mm	buc	4.00	22.98	91.93
				material:	3.34	13.36
				manopera:	19.64	78.57
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.3	ACB08C1(ASIM)	Montarea in pamant a tevilor din polietilena de presiune, de inalta densitate, densitate alimentarilor cu apa, asamblate prin sudare, avand diametrul de 90-110mm	m	20.00	10.10	201.92
				material:	2.76	55.20
				manopera:	6.34	126.72
				utilaj:	1.00	20.00
				transport:	0.00	0.00
3.3.L	6701126	Teava HDPE 80 312uni7611.7615 pn6 DN 63x3.6 cod 64000089	m	20.30	9.35	189.81
3.4	W2H05A-1% (asim)	Montat banda avertizoare	m	20.30	1.83	37.22
				material:	0.57	11.50
				manopera:	1.27	25.72
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.5	EB01A1 (asim)	Montat conductor insotitor din cupru	m	20.30	1.95	39.63
				material:	1.00	20.34
				manopera:	0.95	19.29
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: INSTALATII HIDRAULICE

0	1		2	3	4	5 = 3 x 4
OBIECTUL: STATIE DE POMPARE SAT TAUTI						
	STADIUL FIZIC: INSTALATII HIDRAULICE					
3.6	**AcE09D1 [ASIM3]**	Sudura prin electrofuziune teu electrosudabil din PEHD D = 63-110mm	**buc**	**1.00**	**80.40**	**80.40**
				material:	12.03	12.03
				manopera:	27.88	27.88
				utilaj:	40.50	40.50
				transport:	0.00	0.00
3.6.L	20013690	Teu redus PE 100110/63 SDR11	buc	1.00	171.80	171.80
3.7	**AcE09D1 [1]**	Sudura prin electrofuziune mufa/cot electrosudabil din PEHD D = 90-110mm	**buc**	**2.00**	**58.54**	**117.07**
				material:	3.66	7.32
				manopera:	27.88	55.76
				utilaj:	27.00	54.00
				transport:	0.00	0.00
3.7.L	20020228	Mufa electrosudabila <safekit> pehd d.110	buc	2.00	52.25	104.50
3.8	**AcE09D1 [1]**	Sudura prin electrofuziune mufa/cot electrosudabil din PEHD D = 90-110mm	**buc**	**6.00**	**56.64**	**339.81**
				material:	1.76	10.54
				manopera:	27.88	167.27
				utilaj:	27.00	162.00
				transport:	0.00	0.00
3.8.L	20020225	Mufa electrosudabila <safekit> pehd d. 63	buc	6.00	25.10	150.60
3.9	**AcE09D1 [1]**	Sudura prin electrofuziune mufa/cot electrosudabil din PEHD D = 90-110mm	**buc**	**8.00**	**58.03**	**464.26**
				material:	3.15	25.23
				manopera:	27.88	223.03
				utilaj:	27.00	216.00
				transport:	0.00	0.00
3.9.L	20020205	Cot 45°electrosudabil d. 63	buc	8.00	45.05	360.40
3.10	**AcE09B1 [ASIM2]**	Sudura prin electrofuziune capat flansa din PEHD D = 63 mm	**buc**	**1.00**	**20.45**	**20.45**
				material:	2.49	2.49
				manopera:	16.16	16.16
				utilaj:	1.80	1.80
				transport:	0.00	0.00
3.10.	20019607	Capat flansa apa/gaz pe100 d. 63 sdr11	buc	1.00	24.90	24.90
3.11	**ACB10A1**	Flansa din otel rotunda montata prin sudura electr. avand dn = 50	**buc**	**1.00**	**30.65**	**30.65**
				material:	4.06	4.06
				manopera:	14.89	14.89
				utilaj:	11.70	11.70
				transport:	0.00	0.00
3.11.	4318823	Flansa libera otel pentru cond pehd pn10 dn63 cod66402005	buc	1.00	42.75	42.75
3.12	**ACB05B1**	Imbinare cu flanse piese leg. flanse armaturi si contoare cu dn 80 mm si pn 2,5;6 at.	**buc**	**1.00**	**28.19**	**28.19**
				material:	0.00	0.00
				manopera:	28.19	28.19
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.12.	6607575	Garnitura de etansare ans plan pn6/2,5 D = 80 M 100-500 g2x4 s1733	buc	1.01	11.60	11.72
3.12.	5801916	Surub cap hexagonal precis M 16 x 80 gr. 5.8 s4272	buc	4.00	15.35	61.40
3.12.	5843146	Piulita hexagonala speciala s 4071 OL 37 M 16	buc	4.00	1.10	4.40
4	**PROBE**					
4.1	**ACE07B1**	Spalarea si desinfectarea conductelor de alimentare cu apa avand dn 80	**100 m**	**0.20**	**60.28**	**12.06**
				material:	10.55	2.11
				manopera:	49.74	9.95
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: INSTALATII HIDRAULICE

0	1	2	3	4	5 = 3 x 4
OBIECTUL: STATIE DE POMPARE SAT TAUTI					
STADIUL FIZIC: INSTALATII HIDRAULICE					
4.2	ACB13A1 Inchidere capete conducta otel pentru proba presiune avand dn 50	buc	2.00	266.44	532.88
			material:	1.30	2.61
			manopera:	253.44	506.88
			utilaj:	11.70	23.40
			transport:	0.00	0.00
4.2.L	3109558 Teava pentru constructii fara sudura LC 89 x 8 / OLT 35 s 404/2	m	1.00	42.08	42.08

	procent	material	manopera	utilaj	transport	total
Total Cheltuieli directe:		**1,843.20**	**2,032.55**	**895.05**	**450.00**	**5,220.80**
Recapitulatia: Recap 2019: CAM 2,25						
Contributie asiguratorie pentru munca (CAM)	2.2500 %	0.00	45.73	0.00	0.00	45.73
Total Inclusiv Cheltuieli directe:		**1,843.20**	**2,078.29**	**895.05**	**450.00**	**5,266.54**
Cheltuieli indirecte	8.0000 %	147.46	166.26	71.60	36.00	421.32
Total Inclusiv Cheltuieli indirecte:		**1,990.65**	**2,244.55**	**966.65**	**486.00**	**5,687.86**
Profit	5.0000 %	99.53	112.23	48.33	24.30	284.39
Total Inclusiv Beneficiu:		**2,090.19**	**2,356.78**	**1,014.99**	**510.30**	**5,972.25**

OBIECTUL: STATIE DE POMPARE SAT TAUTI

STADIUL FIZIC: INSTALATII ELECTRICE

1	EF03A1 Tablou electric, format panou, dulap, celula sau pupitru, având greutatea pîna la 150 kg	buc	1.00	344.92	344.92
			material:	67.40	67.40
			manopera:	277.52	277.52
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.L	7349003 Tablou distributie tip inchis c2s stas 5358-56	buc	1.00	57.22	57.22
2	ATD29C Suporti, stelaje, constructii metalice jgheaburi de protectie pentru cabluri	kg	10.00	19.69	196.94
			material:	9.37	93.67
			manopera:	10.33	103.27
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3	EA14B1 Racord, din tub flexibil neetans sau etans, pentru protectia conductelor electrice, tubul având diametrul interior de 15 mm	m	10.00	24.94	249.38
			material:	13.85	138.50
			manopera:	11.09	110.88
			utilaj:	0.00	0.00
			transport:	0.00	0.00
4	EA16C1 Doza de derivatie, pentru cabluri sau tevi de instalatii, montata în mediu normal, tip NBU-PG 16	buc	6.00	8.12	48.74
			material:	0.52	3.12
			manopera:	7.60	45.62
			utilaj:	0.00	0.00
			transport:	0.00	0.00
4.L	7318987 Doza de derivatie pentru cabluri sau tevi inst.tip:nbu pg16	buc	6.00	3.48	20.88
5	EC04A1 Cablu pentru energie electrica, montat liber prin asezare (fara dispozitive de fixare), cablul având conducte cu sectiunea pîna la 16 mmp, montat pe fundul canalelor	m	20.00	2.57	51.38
			material:	0.03	0.70
			manopera:	2.53	50.69
			utilaj:	0.00	0.00
			transport:	0.00	0.00
5.L	4801892 Cablu energie cyy 0,6/ 1 KV 3x 1,5 U s.8778	m	20.40	2.85	58.14
6	EC04A1 Cablu pentru energie electrica, montat liber prin asezare (fara dispozitive de fixare), cablul având conducte cu sectiunea pîna la 16 mmp, montat pe fundul canalelor	m	25.00	2.57	64.23
			material:	0.03	0.87
			manopera:	2.53	63.36
			utilaj:	0.00	0.00
			transport:	0.00	0.00

STADIUL FIZIC: INSTALATII ELECTRICE

0	1		2	3	4	5 = 3 x 4
OBIECTUL: STATIE DE POMPARE SAT TAUTI						
	STADIUL FIZIC: INSTALATII ELECTRICE					
6.L	4801907	Cablu energie cyy 0,6/ 1 KV 3x 2,5 U s.8778	m	25.50	4.02	102.51
7	EC04A1	Cablu pentru energie electrica, montat liber prin asezare (fara dispozitive de fixare), cablul având conducte cu sectiunea pîna la 16 mmp, montat pe fundul canalelor	m	10.00	2.57	25.69
				material:	0.03	0.35
				manopera:	2.53	25.34
				utilaj:	0.00	0.00
				transport:	0.00	0.00
7.L	4802080	Cablu energie cyy 0,6/ 1 KV 4x 10 U s.8778	m	10.20	20.96	213.79
8	EC04A1	Cablu pentru energie electrica, montat liber prin asezare (fara dispozitive de fixare), cablul având conducte cu sectiunea pîna la 16 mmp, montat pe fundul canalelor	m	10.00	2.57	25.69
				material:	0.03	0.35
				manopera:	2.53	25.34
				utilaj:	0.00	0.00
				transport:	0.00	0.00
8.L	4802224	Cablu energie cyy 0,6/ 1 KV 4x.35 + 16 M s.8778	m	10.20	92.77	946.25
9	EB02A1	Conducta de cupru, cu izolatie, introdusa în tuburi izolante sau de protectie de orice fel, conducta având sectiunea pîna la 4 mmp	m	10.00	1.04	10.37
				material:	0.09	0.86
				manopera:	0.95	9.50
				utilaj:	0.00	0.00
				transport:	0.00	0.00
9.L	4826880	Conductor fy 1x 1,5 s	m	10.30	2.15	22.15
10	EA02A2	Tub izolant, de protectie, etans, IPE, din policlorura de vinil neplastifiata, IPEY, montat îngropat sau aparent, având diametrul exterior de 20 mm, montat îngropat	m	5.00	16.07	80.37
				material:	2.14	10.68
				manopera:	13.94	69.70
				utilaj:	0.00	0.00
				transport:	0.00	0.00
11	EC19A1	Presetupa pentru fixarea cablurilorla electromotoare, tablouri sau aparate, având diametrul pana la 16 mm,	buc	10.00	1.27	12.67
				material:	0.00	0.00
				manopera:	1.27	12.67
				utilaj:	0.00	0.00
				transport:	0.00	0.00
11.L	5217426	Presetupa pentru fixare cabluri latablouri,aparate D = 29	buc	10.00	9.29	92.90
12	ED01G1	Intreruptor manual unipolar, constructie normala sau constructie etansa în carcasa de bachelita (antigron, etc), montat aparent pe dibluri de material plastic	buc	3.00	8.27	24.80
				material:	0.66	1.99
				manopera:	7.60	22.81
				utilaj:	0.00	0.00
				transport:	0.00	0.00
12.L	5500732	Intrerupator cumpana pentru simbol 0186 250 V 10a	buc	3.03	2.68	8.12
13	ED08G1	Priza bipolara, constructie normala, cu contact de protectie (nul), montata aparent pe dibluri de lemn	buc	4.00	9.36	37.46
				material:	0.18	0.71
				manopera:	9.19	36.75
				utilaj:	0.00	0.00
				transport:	0.00	0.00
13.L	5536157	Priza bipolara bachel.cu cont.prot.marit apar 250/10a	buc	4.04	3.17	12.81
14	ED20A1	Legarea electromotorului, la conducte de 0,55-4 kW, la conducte de aluminiu sau cupru	buc	4.00	12.35	49.39
				material:	1.58	6.31
				manopera:	10.77	43.08
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: INSTALATII ELECTRICE

0	1		2	3	4	5 = 3 x 4
OBIECTUL: STATIE DE POMPARE SAT TAUTI						
STADIUL FIZIC: INSTALATII ELECTRICE						
15	EE12B1	Corp de iluminat, pentru lampi fluorescente tubulare neetans, montat pe dibluri de material plastic	buc	**1.00**	**19.91**	**19.91**
				material:	0.59	0.59
				manopera:	19.32	19.32
				utilaj:	0.00	0.00
				transport:	0.00	0.00
15.L	5103663	Corp il.fl.fipa -01 240 220 V 2x 40w condens.reflect	buc	1.00	103.24	103.55
16	EF09A1	Racordarea conductelor din cupru, la borne (aparate, motoare, tablouri electrice), conducta având sectiunea de pîna la 10 mmp (exclusiv)	**buc**	**18.00**	**2.22**	**39.92**
				material:	0.00	0.00
				manopera:	2.22	39.92
				utilaj:	0.00	0.00
				transport:	0.00	0.00
17	EG07B1	Conducta de coborîre, montata pe ziduri si cosuri de beton sau caramida, conducta fiind din banda de otel zineata, de 25x4 mm, montata aparent pe ziduri	**m**	**30.00**	**39.83**	**1,194.82**
				material:	20.50	615.08
				manopera:	19.32	579.74
				utilaj:	0.00	0.00
				transport:	0.00	0.00
18	EH01A1	Încercarea cablurilor de energie electrica, de maximum 1 kV	**buc**	**2.00**	**52.89**	**105.78**
				material:	0.00	0.00
				manopera:	24.39	48.79
				utilaj:	28.50	57.00
				transport:	0.00	0.00
19	EH02A1	Încercarea cablurilor pentru instalatii electrice de comanda, semnalizari, blocari	**buc**	**10.00**	**2.22**	**22.18**
				material:	0.00	0.00
				manopera:	2.22	22.18
				utilaj:	0.00	0.00
				transport:	0.00	0.00
20	EH05C1	Încercarea tablourilor de distributie, de comanda de protectie, de semnalizare, a pupitrelor de comanda si a cutiilor metalice cu cleme panouri metalice sau dulapuri metalice	**buc**	**2.00**	**361.12**	**722.23**
				material:	0.00	0.00
				manopera:	292.72	585.45
				utilaj:	68.39	136.79
				transport:	0.00	0.00
21	EH07A1	Energie electrica, pentru probe	**kwh**	**10.00**	**0.56**	**5.60**
				material:	0.56	5.60
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
22	EC02A1	Cablu pentru energie electrica, montat cu scoabe (cleme de prindere) din bachelita, direct pe zid, cablul având conducte cu sectiunea pîna la 10 mmp, pe dibluri de lemn	**m**	**50.00**	**21.21**	**1,060.53**
				material:	2.52	125.97
				manopera:	18.69	934.56
				utilaj:	0.00	0.00
				transport:	0.00	0.00
22.L	4802080	Cablu energie cyy 0,6/ 1 KV 4x 10 U s.8778	m	51.50	20.96	1,079.44
23	W2H04A1	Strat nisip asezat in sant pentru...protejarea cablurilor la lucr in prof netipizat	**mc**	**4.00**	**79.65**	**318.60**
				material:	65.20	260.82
				manopera:	14.45	57.78
				utilaj:	0.00	0.00
				transport:	0.00	0.00
24	EA10A1	Teava din policarbonat de vinil (PVC), tip usor (U), montata aparent sau îngropat, având diametrul exterior de 50 mm, montata aparent	**m**	**10.00**	**29.26**	**292.57**
				material:	6.76	67.64
				manopera:	22.49	224.93
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: INSTALATII ELECTRICE

0	1		2	3	4	5 = 3 x 4
OBIECTUL: STATIE DE POMPARE SAT TAUTI						
	STADIUL FIZIC: INSTALATII ELECTRICE					
25	W2H07A1	Profil tip...m pentru 1 cablu de 1kv strat protector cu folii din pvc	m	20.00	10.70	213.95
				material:	9.30	186.08
				manopera:	1.39	27.87
				utilaj:	0.00	0.00
				transport:	0.00	0.00
26	W2J02A1	Verificarari si incerc ret elc subt. cu cablu...nou	buc	2.00	135.99	271.98
				material:	0.00	0.00
				manopera:	51.64	103.28
				utilaj:	84.35	168.71
				transport:	0.00	0.00
27	TSA02B1	Sapatura manuala de pamant in spatii limitate,avand sub 1.00 m sau peste 1.00 m latime,executata fara sprijini,cu taluz vertical,la fundatii,canale,subsoluri,drenuri,trepte de infratire etc....in pamant necoeziv sau slab coeziv adancime ,0.75m teren mijlociu	mc	10.00	37.70	376.99
				material:	0.00	0.00
				manopera:	37.70	376.99
				utilaj:	0.00	0.00
				transport:	0.00	0.00
28	TSD01B1	Imprastierea cu lopata a pamant. afinat,strat uniform 10-30cm. gros cu sfarim. bulg. teren...teren mijlociu	mc	6.00	9.82	58.92
				material:	0.00	0.00
				manopera:	9.82	58.92
				utilaj:	0.00	0.00
				transport:	0.00	0.00
29	TSD18C1	Umlutura compactata in santuri,pentru cablurile ingropate ale liniilor electrice de inalta tensiune,executata cu pamant provenit din :...teren tare	mc	10.00	39.69	396.85
				material:	0.40	4.02
				manopera:	39.28	392.83
				utilaj:	0.00	0.00
				transport:	0.00	0.00
30	EG07A1	Conducta de coborîre, montata pe ziduri si cosuri de beton sau caramida, conducta fiind din banda de otel zineata, de 20x3 mm, montata aparent pe ziduri	m	10.00	35.49	354.88
				material:	16.16	161.63
				manopera:	19.32	193.25
				utilaj:	0.00	0.00
				transport:	0.00	0.00
31	W1R06A2	Electrod din teava de otel de doi toli si jumatatepentru legarea la pamant in teren...tare	m	12.00	68.86	826.36
				material:	32.64	391.65
				manopera:	34.23	410.71
				utilaj:	2.00	24.00
				transport:	0.00	0.00
32	EB08B1	Conducta de otel, pentru legarea la pamînt sau la nul, a receptoarelor sau aparatelor electrice, montata pe zid de caramida sau beton, conducta fiind banda de otel, laminate la cald, de 25x4 mm	m	29.00	35.00	1,014.90
				material:	13.14	380.98
				manopera:	21.86	633.92
				utilaj:	0.00	0.00
				transport:	0.00	0.00
33	W1P08A	Verificarea prizelor de pamant pentru lucrari de instalatii electrice la...constructii	buc	1.00	57.48	57.48
				material:	0.46	0.46
				manopera:	57.02	57.02
				utilaj:	0.00	0.00
				transport:	0.00	0.00
34	W2G01A09	Montare ...cablu subt. 1 kv gr. 0,451-0,600 kg/m cu-al in sant pe pat de nisip f. obst. cu tr. manuale montat	m	15.00	1.31	19.63
				material:	0.16	2.34
				manopera:	1.15	17.29
				utilaj:	0.00	0.00
				transport:	0.00	0.00
34.L	4800707	Cablu energie cyp 0,6/ 1 KV 3x 35 + 16 M nid 2405	m	15.30	105.93	1,620.71

STADIUL FIZIC: INSTALATII ELECTRICE

0	1		2	3	4	5 = 3 x 4
OBIECTUL: STATIE DE POMPARE SAT TAUTI						
STADIUL FIZIC: INSTALATII ELECTRICE						
35	W2F05B01	Corp de...ilum. publ. tip lampadar pentru lampa cu vap. me rcur inal. pres. la sol cu nisa st. metal montat	buc	1.00	215.26	215.26
				material:	179.84	179.84
				manopera:	35.42	35.42
				utilaj:	0.00	0.00
				transport:	0.00	0.00
36	M1H14B1	Incercari si reglaje ale aparatelor electrice...controlere pentru circuite de forta si secundare	buc	2.00	60.06	120.13
				material:	0.00	0.00
				manopera:	60.06	120.13
				utilaj:	0.00	0.00
				transport:	0.00	0.00
37	ATE34A01	Verificarari automateriale programabil uc+consola+mod. memorii necon la proces nr module x n ore	buc	1.00	2,597.32	2,597.32
				material:	12.58	12.58
				manopera:	1,900.80	1,900.80
				utilaj:	683.94	683.94
				transport:	0.00	0.00
38	CL01A1	Montarea stâlpilor din otel, pentru hale industriale, livrati complet asamblati avand pana la o tona	tona	0.50	690.94	345.47
				material:	126.97	63.48
				manopera:	536.98	268.49
				utilaj:	27.00	13.50
				transport:	0.00	0.00
38.L	6309886	Confectie metalice inglobate in beton	kg	1.00	9.00	9.00

	procent	material	manopera	utilaj	transport	total
Total Cheltuieli directe:		**7,131.72**	**8,006.13**	**1,083.93**	**0.00**	**16,221.77**
Recapitulatia: Recap 2019: CAM 2,25						
Contributie asiguratorie pentru munca (CAM)	2.2500 %	0.00	180.14	0.00	0.00	180.14
Total Inclusiv Cheltuieli directe:		**7,131.72**	**8,186.27**	**1,083.93**	**0.00**	**16,401.91**
Cheltuieli indirecte	8.0000 %	570.54	654.90	86.71	0.00	1,312.15
Total Inclusiv Cheltuieli indirecte:		**7,702.26**	**8,841.17**	**1,170.64**	**0.00**	**17,714.07**
Profit	5.0000 %	385.11	442.06	58.53	0.00	885.70
Total Inclusiv Beneficiu:		**8,087.37**	**9,283.23**	**1,229.17**	**0.00**	**18,599.77**

OBIECTUL: STATIE DE POMPARE SAT TAUTI

STADIUL FIZIC: INSTALATII AUTOMATIZARE, SUPRAVEGHERE SI ANTIEFRACTIE

1 ECHIPAMENTE SI ACCESORII CU MONTAJ

1.1	5729645	CAMERA VIDEO HDCVI COMPACTA 2MP	buc	4.00	585.00	2,340.00
				material:	585.00	2,340.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.2	20033655	DVR HDCVI 8 CANALE 5M PENTABRID	buc	1.00	734.00	734.00
				material:	734.00	734.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.3	20033656	CONVECTOR BNC-UTP PERECHE	buc	4.00	51.00	204.00
				material:	51.00	204.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.4	20033657	HDD AV 4TB	buc	1.00	905.00	905.00
				material:	905.00	905.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: INSTALATII AUTOMATIZARE, SUPRAVEGHERE SI ANTIEFRACTIE

0	1	2	3	4	5 = 3 x 4
OBIECTUL: STATIE DE POMPARE SAT TAUTI					
STADIUL FIZIC: INSTALATII AUTOMATIZARE, SUPRAVEGHERE SI ANTIEFRACTIE					
1.5	20033658 MODUL EXTENSIE 4IN 4OUT PE BUS	buc	**1.00**	**542.00**	**542.00**
			material:	542.00	542.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.6	7345163 SIRENA DE INTERIOR	buc	**1.00**	**180.00**	**180.00**
			material:	180.00	180.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.7	7311083 CONTACT MAGNETIC METALIC	buc	**1.00**	**48.00**	**48.00**
			material:	48.00	48.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.8	20033659 MODUL CITITOR RFID, TASTATURA CU ECRAN PE BUS	buc	**1.00**	**679.00**	**679.00**
			material:	679.00	679.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.9	20033660 TELECOMANDA 4 BUTOANE	buc	**2.00**	**252.00**	**504.00**
			material:	252.00	504.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.10	20033661 TAG RFID	buc	**2.00**	**30.00**	**60.00**
			material:	30.00	60.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.11	20033662 DETECTOR PIR PE BUS	buc	**2.00**	**158.00**	**316.00**
			material:	158.00	316.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.12	2901078 DULAP METALIC MARE	buc	**1.00**	**980.00**	**980.00**
			material:	980.00	980.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.13	5214451 SIGURANTA AUTOMATA	buc	**1.00**	**45.00**	**45.00**
			material:	45.00	45.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.14	20033663 MODUL BUS DE IESIRE PE RELEU	buc	**1.00**	**338.00**	**338.00**
			material:	338.00	338.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.15	2700229 PANOU CONTROL	buc	**1.00**	**820.00**	**820.00**
			material:	820.00	820.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00

0	1	2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT TAUTI					
STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA					
1.7	ACE06A1	Sustineri din lemn pentru cabluri si conducte intilnite in sapatura : grele	m	35.00	57.93	2,027.45
				material:	32.90	1,151.50
				manopera:	25.03	875.95
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.8	ACE16A1	Montarea parapetelor si podetelor metalice de inventar la santuri pentru conducte	m	26.00	5.07	131.78
				material:	0.00	0.00
				manopera:	5.07	131.78
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2	REFACERI					
2.1	DA06A2	Strat de agregate naturale cilindrate (nisip), avand functia de rezidenta filtranta, izolatoare, antigeliva si anticapilara, cu asternere manuala;	mc	115.00	128.50	14,778.02
				material:	82.35	9,469.76
				manopera:	36.75	4,226.11
				utilaj:	9.41	1,082.15
				transport:	0.00	0.00
2.2	TRA01A40	Transportul rutier al...materialelor,semifabricatelor cu autobasculanta pe dist.= 40 km.	tona	207.00	40.00	8,280.00
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	40.00	8,280.00
2.3	TRB01B11	Transportul materialelor cu roaba pe pneuri inc aruncare desc aruncare grupa...1-3 distanta 10m	tona	52.00	22.49	1,169.61
				material:	0.00	0.00
				manopera:	22.49	1,169.61
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.4	TSD02C1	Imprastierea pamantului afanat provenit din teren categoria 1 sau 2,executata cu buldozer pe tractor cu senile de 65-80 CP,in straturi cu grosimea de:...31-50 cm	100 mc	3.26	188.00	612.88
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	188.00	612.88
				transport:	0.00	0.00
2.5	TSD06A1	Compactarea cu placa vibratoare a umpluturilor in straturi de 20-30 cm grosime,exclusiv udarea fiecarui strat in parte,umpluturile executandu-se din pamant necoeziv,compactat cu:...placa vibratoare de 0.7 t	100 mc	3.26	286.39	933.64
				material:	0.00	0.00
				manopera:	139.39	454.42
				utilaj:	147.00	479.22
				transport:	0.00	0.00
3	INSTALATII					
3.1	RPAB13G1	Manevrarea (inchidere-deschidere) vane pentru izolare zone retea...manual in camin vana d= 50-200 mm	buc	2.00	12.20	24.39
				material:	0.00	0.00
				manopera:	12.20	24.39
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.2	RPAC18A1	Taierea in sant cu flacara oxiacetilenica a tevilor din otel avand diam....200 mm	buc	4.00	22.98	91.93
				material:	3.34	13.36
				manopera:	19.64	78.57
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.3	ACB08C1 (ASIM)	Montarea in pamant a tevilor din polietilena de presiune, de inalta densitatae, densitate alimentarilor cu apa, asamblate prin sudura, avand diametrul de 90-110mm	m	310.00	8.19	2,538.28
				material:	2.52	781.20
				manopera:	3.17	982.08
				utilaj:	2.50	775.00
				transport:	0.00	0.00
3.3.L	6701152	Teava HDPE 80 312uni7611.7615 pn10 DN 90x8.2 cod 64000115	m	314.65	20.15	6,340.20

STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT TAUTI						
	STADIUL FIZIC: EXTINDERE RETEA DISTRIBUTIE APA					
3.4	ACB08C1(ASIM)	Montarea in pamant a tevilor din polietilena de presiune, de inalta densitate, densitate alimentarilor cu apa, asamblate prin sudare, avand diametrul de 90-110mm	m	110.00	10.29	1,132.13
				material:	2.96	325.17
				manopera:	6.34	696.96
				utilaj:	1.00	110.00
				transport:	0.00	0.00
3.4.L	6701128	Teava HDPE 80 312uni7611.7615 pn6 DN 90x5.1 cod 64000091	m	111.65	19.00	2,121.35
3.5	W2H05A-1% (asim)	Montat banda avertizoare	m	420.00	1.83	770.15
				material:	0.57	237.93
				manopera:	1.27	532.22
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.6	EB01A1 (asim)	Montat conductor insotitor din cupru	m	420.00	1.95	819.92
				material:	1.00	420.76
				manopera:	0.95	399.17
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.7	AcE09D1 [1]	Sudura prin electrofuziune mufa/cot electrosudabil din PEHD D = 90-110mm	buc	10.00	57.86	578.64
				material:	2.99	29.86
				manopera:	27.88	278.78
				utilaj:	27.00	270.00
				transport:	0.00	0.00
3.7.L	20020227	Mufa electrosudabila <safekit> pehd d. 90	buc	10.00	42.65	426.50
3.8	AcE09D1 [1]	Sudura prin electrofuziune mufa/cot electrosudabil din PEHD D = 90-110mm	buc	4.00	59.70	238.82
				material:	4.83	19.31
				manopera:	27.88	111.51
				utilaj:	27.00	108.00
				transport:	0.00	0.00
3.8.L	20020207	Cot 45°electrosudabil d. 90	buc	4.00	68.95	275.80
3.9	AcE09D1 [1]	Sudura prin electrofuziune mufa/cot electrosudabil din PEHD D = 90-110mm	buc	1.00	62.57	62.57
				material:	7.70	7.70
				manopera:	27.88	27.88
				utilaj:	27.00	27.00
				transport:	0.00	0.00
3.9.L	20020293	Dop electrosudabil d. 90	buc	1.00	109.95	109.95
4	**PROBE**					
4.1	ACE07B1	Spalarea si desinfectarea conductelor de alimentare cu apa avand dn 80	100 m	4.20	60.28	253.19
				material:	10.55	44.29
				manopera:	49.74	208.90
				utilaj:	0.00	0.00
				transport:	0.00	0.00
4.2	ACB13C1	Inchidere capete conducta otel pentru proba presiune avand dn 100	buc	2.00	267.94	535.88
				material:	2.80	5.60
				manopera:	253.44	506.88
				utilaj:	11.70	23.40
				transport:	0.00	0.00
4.2.L	3110325	Teava pentru constructii fara sudura LC 114 x 8 / OLT 35 s 404/2	m	1.00	120.48	120.48

	procent	material	manopera	utilaj	transport	total
Total Cheltuieli directe:		22,631.38	17,987.88	8,045.25	10,350.00	59,014.51

0	1			2	3	4	5 = 3 x 4
Recapitulatia:	Recap 2019: CAM 2,25						
Contributie asiguratorie pentru munca (CAM)	2.2500 %	0.00	404.73	0.00	0.00		404.73
Total Inclusiv Cheltuieli directe:		**22,631.38**	**18,392.60**	**8,045.25**	**10,350.00**		**59,419.23**
Cheltuieli indirecte	8.0000 %	1,810.51	1,471.41	643.62	828.00		4,753.54
Total Inclusiv Cheltuieli indirecte:		**24,441.89**	**19,864.01**	**8,688.87**	**11,178.00**		**64,172.77**
Profit	5.0000 %	1,222.09	993.20	434.44	558.90		3,208.64
Total Inclusiv Beneficiu:		**25,663.98**	**20,857.21**	**9,123.31**	**11,736.90**		**67,381.41**

OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT TAUTI

STADIUL FIZIC: BRANSAMENT APA_(1 buc.)

1 TERASAMENTE

1.1	TSC03C1	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in depozit teren catg 3	100 mc	**0.04**	**940.00**	**37.60**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	940.00	37.60
				transport:	0.00	0.00
1.2	TSC03G1	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in autovehicule teren catg 3	100 mc	**0.09**	**1,040.00**	**93.60**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	1,040.00	93.60
				transport:	0.00	0.00
1.3	TSA04G1	Sapatura manuala de pamant in spatii limitate,avand sub 1 m latime si maximum 4.50 m adancime,executata cu sprijiniri,cu evacuare manuala,la fundatii,canale,drumuri etc...in pamant cu umiditate naturala adancimea sapaturii 1,5-3 teren foarte tare	mc	**1.40**	**173.97**	**243.56**
				material:	1.63	2.28
				manopera:	172.34	241.27
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.4	TRA01A05P	Transportul rutier al...pamantului sau molozului cu autobasculanta dist.= 5 km	tona	**16.20**	**10.00**	**162.01**
				material:	0.00	0.00
				manopera:	0.00	0.01
				utilaj:	0.00	0.00
				transport:	10.00	162.00

2 REFACERI

2.1	DA06A2	Strat de agregate naturale cilindrate (nisip), avand functia de rezidenta filtranta, izolatoare, antigeliva si anticapilara, cu asternere manuala;	mc	**1.14**	**128.50**	**146.50**
				material:	82.35	93.87
				manopera:	36.75	41.89
				utilaj:	9.41	10.73
				transport:	0.00	0.00
2.2	TRA01A40	Transportul rutier al...materialelor,semifabricatelor cu autobasculanta pe dist.= 40 km.	tona	**2.05**	**40.00**	**82.00**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	40.00	82.00
2.3	TRB01B11	Transportul materialelor cu roaba pe pneuri inc aruncare desc aruncare grupa...1-3 distanta 10m	tona	**0.50**	**22.49**	**11.25**
				material:	0.00	0.00
				manopera:	22.49	11.25
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.4	TSD02C1	Imprastierea pamantului afanat provenit din teren categoria 1 sau 2,executata cu buldozer pe tractor cu senile de 65-80 CP,in straturi cu grosimea de:...31-50 cm	100 mc	**0.05**	**188.00**	**10.15**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	188.00	10.15
				transport:	0.00	0.00

STADIUL FIZIC: BRANSAMENT APA_(1 buc.)

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT TAUTI						
	STADIUL FIZIC: BRANSAMENT APA_(1 buc.)					
2.5	TSD06A1	Compactarea cu placa vibratoare a umpluturilor in straturi de 20-30 cm grosime,exclusiv udarea fiecarui strat in parte,umpluturile executandu-se din pamant necoeziv,compactat cu:...placa vibratoare de 0.7 t	100 mc	0.05	286.39	15.47
				material:	0.00	0.00
				manopera:	139.39	7.53
				utilaj:	147.00	7.94
				transport:	0.00	0.00
3	INSTALATII					
3.1	ACA12A(+asim)	Montarea in pamant a tevilor din polietilena de presiune, de inalta densitatae, densitate alimentarilor cu apa, asamblate prin metoda de sudare manuala, cu manson de polietilena, cu flanse, conform normativului I-6-PE, avand diametrul de: 20-25mm	m	5.00	9.80	48.99
				material:	2.66	13.31
				manopera:	6.34	31.68
				utilaj:	0.80	4.00
				transport:	0.00	0.00
3.1.L	6701122	Teava HDPE 80 312uni7611.7615 pn6 DN 25x1.6 cod 64000085	m	5.10	2.15	10.97
3.2	W2H05A-1% (asim)	Montat banda avertizoare	m	5.10	1.83	9.35
				material:	0.57	2.89
				manopera:	1.27	6.46
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.3	EB01A1 (asim)	Montat conductor insotitor din cupru	m	5.10	1.95	9.96
				material:	1.00	5.11
				manopera:	0.95	4.85
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.4	AcA62D+	Sudura prin electrofuziune sa/teu bransament electrosudabil cu/fara colier din PEHD - VALROM...D = 90-160 mm	buc	1.00	17.01	17.01
				material:	0.00	0.00
				manopera:	15.21	15.21
				utilaj:	1.80	1.80
				transport:	0.00	0.00
3.5	3330849	Teu bransament cu colier d=90x25	buc	1.00	161.70	161.70
				material:	161.70	161.70
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.6	AcA54A+ (ASIM)	Sudura cap la cap fiting din PEHD PE100 SDR 17 cu 2 imbinari D = 20 - 50 mm	buc	3.00	138.72	416.15
				material:	0.00	0.00
				manopera:	36.12	108.35
				utilaj:	102.60	307.80
				transport:	0.00	0.00
3.7	20010127	Mufa electrosudabila pehd dn=25mm	buc	2.00	14.80	29.60
				material:	14.80	29.60
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.8	11804882	Racord Fl 25 x 3/4	buc	1.00	15.05	15.05
				material:	15.05	15.05
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.9	AcA65B+	Imbinare fiting de compresiune din PEHD - VALROM cu 2 imbinari (racord/cot tip FE sau Fl)...D = 25-32 x ¾"	buc	2.00	4.56	9.12
				material:	0.12	0.25
				manopera:	4.44	8.87
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.9.L	20020489	Racord <waterkit> compres.d. 25x3/4 fi	buc	2.00	15.05	30.10

0	1	2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT TAUTI					
STADIUL FIZIC: BRANSAMENT APA_(1 buc.)					
3.10	IC34C1	Fitinguri din fonta maleabila pentru imbin. insurub. tevi. otel piesele fiind cu 2 insurub. pentru d=3/4 toli	buc	**4.00**	**7.13**	**28.52**
				material:	0.16	0.64
				manopera:	6.97	27.88
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.11	4123164	Niplu normal zincat DN 3/4 cod 45028003	buc	**2.00**	**3.95**	**7.90**
				material:	3.95	7.90
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.12	4113845	Reductie zincata fi-fe DN 3/4x1/2 cod 45024103	buc	**2.00**	**3.50**	**7.00**
				material:	3.50	7.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.13	IC34B1	Fitinguri din fonta maleabila pentru imbin. insurub. tevi. otel piesele fiind cu 2 insurub. pentru d=1/2 toli	buc	**1.00**	**5.19**	**5.19**
				material:	0.12	0.12
				manopera:	5.07	5.07
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.14	4123114	Niplu normal zincat DN 1/2 cod 45028002	buc	**1.00**	**3.05**	**3.05**
				material:	3.05	3.05
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.15	IC34M1	Fitinguri din fonta maleabila pentru imbin. insurub. tevi. otel piesele fiind cu 3 insurub. pentru d=3/4 toli	buc	**1.00**	**13.55**	**13.55**
				material:	0.24	0.24
				manopera:	13.31	13.31
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.16	4114614	Teu redus zincat DN 3/4x1/2x3/4 cod 45r13008	buc	**1.00**	**5.65**	**5.65**
				material:	5.65	5.65
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.17	SD10B1	Robinet...trecere din am,pentru tevi plumb cu d=3/4 ,roata manevra bachelita,simbol a 83-3/4	buc	**2.00**	**82.10**	**164.19**
				material:	59.92	119.84
				manopera:	22.18	44.35
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.17.	4204427	Robinet de trecere cu sfera pentru apa, tip fi - fi cu D = 3/4"	buc	2.00	20.95	41.90
3.18	SD10A1	Robinet...de trecere din alama pentru tevi de plumb,cu diametrul d=3/8 sau d=1/2 toli	buc	**1.00**	**51.59**	**51.59**
				material:	33.53	33.53
				manopera:	18.06	18.06
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.18.	4204422	Robinet de trecere cu sfera pentru apa, tip fi - fi cu D = 1/2"	buc	1.00	12.00	12.00
3.19	ACE12A1	Montare contor de apa cu palete avand d 15 mm	buc	**1.00**	**42.81**	**42.81**
				material:	6.38	6.38
				manopera:	36.43	36.43
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: BRANSAMENT APA_(1 buc.)

0	1	2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT TAUTI					
STADIUL FIZIC: BRANSAMENT APA_(1 buc.)					
3.20	20032489 APOMETRU DN15	buc	**1.00**	**222.20**	**222.20**
			material:	222.20	222.20
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.21	AcD101A03+ (asim1) Camine prefabricate din beton pentru apa, avand:d=80cm, H=130 cm, g=12cm, pentru imbinare cu garnitura	buc	**1.00**	**674.46**	**674.46**
			material:	645.00	645.00
			manopera:	29.46	29.46
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.22	ACD01J1 Capac si rama STAS 2308-81 pentru camine cu piesa suport carosabil tip III a	buc	**1.00**	**882.14**	**882.14**
			material:	812.44	812.44
			manopera:	69.70	69.70
			utilaj:	0.00	0.00
			transport:	0.00	0.00
3.23	ACE07A1 Spalarea si desinfectarea conductelor de alimentare cu apa avand dn 50	100 m	**0.05**	**53.90**	**2.69**
			material:	4.16	0.21
			manopera:	49.74	2.49
			utilaj:	0.00	0.00
			transport:	0.00	0.00

	procent	material	manopera	utilaj	transport	total
Total Cheltuieli directe:		**2,283.22**	**724.10**	**473.62**	**244.00**	**3,724.94**
Recapitulatia:	Recap 2019: CAM 2,25					
Contributie asiguratorie pentru munca (CAM)	2.2500 %	0.00	16.29	0.00	0.00	16.29
Total Inclusiv Cheltuieli directe:		**2,283.22**	**740.39**	**473.62**	**244.00**	**3,741.23**
Cheltuieli indirecte	8.0000 %	182.66	59.23	37.89	19.52	299.30
Total Inclusiv Cheltuieli indirecte:		**2,465.88**	**799.62**	**511.51**	**263.52**	**4,040.53**
Profit	5.0000 %	123.29	39.98	25.58	13.18	202.03
Total Inclusiv Beneficiu:		**2,589.17**	**839.60**	**537.08**	**276.70**	**4,242.56**

OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT TAUTI

STADIUL FIZIC: BRANSAMENT APA CU REDUCTOR_(11 buc.)

1 TERASAMENTE

1.1	TSC03C1	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in depozit teren catg 3	100 mc	**0.04**	**940.00**	**37.60**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	940.00	37.60
				transport:	0.00	0.00
1.2	TSC03G1	Sapatura mecanica cu excavatorul de 0.40-0.70 mc,cu motor cu ardere interna si comanda hidraulica,in :...pamant cu umiditate naturala,descarcare in autovehicule teren catg 3	100 mc	**0.09**	**1,040.00**	**93.60**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	1,040.00	93.60
				transport:	0.00	0.00
1.3	TSA04G1	Sapatura manuala de pamant in spatii limitate,avand sub 1 m latime si maximum 4.50 m adancime,executata cu sprijiniri,cu evacuare manuala,la fundatii,canale,drumuri etc...in pamant cu umiditate naturala adancimea sapaturii 1,5-3 teren foarte tare	mc	**1.40**	**173.97**	**243.56**
				material:	1.63	2.28
				manopera:	172.34	241.27
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.4	TRA01A05P	Transportul rutier al...pamantului sau molozului cu autobasculanta dist.= 5 km	tona	**16.20**	**10.00**	**162.01**
				material:	0.00	0.00
				manopera:	0.00	0.01
				utilaj:	0.00	0.00
				transport:	10.00	162.00

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT TAUTI						
STADIUL FIZIC: BRANSAMENT APA CU REDUCTOR_(11 buc.)						
2	**REFACERI**					
2.1	DA06A2	Strat de agregate naturale cilindrate (nisip), avand functia de rezidenta filtranta, izolatoare, antigeliva si anticapilara, cu asternere manuala;	mc	**1.14**	**128.50**	**146.50**
				material:	82.35	93.87
				manopera:	36.75	41.89
				utilaj:	9.41	10.73
				transport:	0.00	0.00
2.2	TRA01A40	Transportul rutier al...materialelor,semifabricatelor cu autobasculanta pe dist.= 40 km.	tona	**2.05**	**40.00**	**82.00**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	40.00	82.00
2.3	TRB01B11	Transportul materialelor cu roaba pe pneuri inc aruncare desc aruncare grupa...1-3 distanta 10m	tona	**0.50**	**22.49**	**11.25**
				material:	0.00	0.00
				manopera:	22.49	11.25
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.4	TSD02C1	Imprastierea pamantului afanat provenit din teren categoria 1 sau 2,executata cu buldozer pe tractor cu senile de 65-80 CP,in straturi cu grosimea de:...31-50 cm	100 mc	**0.05**	**188.00**	**10.15**
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	188.00	10.15
				transport:	0.00	0.00
2.5	TSD06A1	Compactarea cu placa vibratoare a umpluturilor in straturi de 20-30 cm grosime,exclusiv udarea fiecarui strat in parte,umpluturile executandu-se din pamant necoeziv,compactat cu:...placa vibratoare de 0.7 t	100 mc	**0.05**	**286.39**	**15.47**
				material:	0.00	0.00
				manopera:	139.39	7.53
				utilaj:	147.00	7.94
				transport:	0.00	0.00
3	**INSTALATII**					
3.1	ACA12A(+asim)	Montarea in pamant a tevilor din polietilena de presiune, de inalta densitatae, densitate alimentarilor cu apa, asamblate prin metoda de sudare manuala, cu manson de polietilena, cu flanse, conform normativului I-6-PE, avand diametrul de: 20-25mm	m	**5.00**	**9.80**	**48.98**
				material:	2.66	13.30
				manopera:	6.34	31.68
				utilaj:	0.80	4.00
				transport:	0.00	0.00
3.1.L	6701146	Teava HDPE 80 312uni7611.7615 pn10 DN 25x2.3 cod 64000109	m	5.10	2.10	10.71
3.2	W2H05A-1% (asim)	Montat banda avertizoare	m	**5.10**	**1.83**	**9.35**
				material:	0.57	2.89
				manopera:	1.27	6.46
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.3	EB01A1 (asim)	Montat conductor insotitor din cupru	m	**5.10**	**1.95**	**9.96**
				material:	1.00	5.11
				manopera:	0.95	4.85
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.4	AcA62D+	Sudura prin electrofuziune sa/teu bransament electrosudabil cu/fara colier din PEHD - VALROM...D = 90-160 mm	buc	**1.00**	**17.01**	**17.01**
				material:	0.00	0.00
				manopera:	15.21	15.21
				utilaj:	1.80	1.80
				transport:	0.00	0.00

STADIUL FIZIC: BRANSAMENT APA CU REDUCTOR_(11 buc.)

0	1		2	3	4	5 = 3 x 4
OBIECTUL:	**EXTINDERE RETEA APA SI BRANSAMENTE SAT TAUTI**					
	STADIUL FIZIC:	**BRANSAMENT APA CU REDUCTOR_(11 buc.)**				
3.5	**3330849**	Teu bransament cu colier d=90x25	**buc**	**1.00**	**161.70**	**161.70**
				material:	161.70	161.70
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.6	**AcA54A+ (ASIM)**	Sudura cap la cap fiting din PEHD PE100 SDR 17 cu 2 imbinari D = 20 - 50 mm	**buc**	**3.00**	**138.72**	**416.15**
				material:	0.00	0.00
				manopera:	36.12	108.35
				utilaj:	102.60	307.80
				transport:	0.00	0.00
3.7	**20010127**	Mufa electrosudabila pehd dn=25mm	**buc**	**2.00**	**14.80**	**29.60**
				material:	14.80	29.60
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.8	**11804882**	Racord FI 25 x 3/4	**buc**	**1.00**	**15.05**	**15.05**
				material:	15.05	15.05
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.9	**AcA65B+**	Imbinare fiting de compresiune din PEHD - VALROM cu 2 imbinari (racord/cot tip FE sau FI)...D = 25-32 x ¾"	**buc**	**2.00**	**4.56**	**9.12**
				material:	0.12	0.25
				manopera:	4.44	8.87
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.9.L	20020489	Racord <waterkit> compres.d. 25x3/4 fi	buc	2.00	15.05	30.10
3.10	**IC34C1**	Fitinguri din fonta maleabila pentru imbin. insurub. tevi. otel piesele fiind cu 2 insurub. pentru d=3/4 toli	**buc**	**4.00**	**7.13**	**28.52**
				material:	0.16	0.64
				manopera:	6.97	27.88
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.11	**4123164**	Niplu normal zincat DN 3/4 cod 45028003	**buc**	**2.00**	**3.95**	**7.90**
				material:	3.95	7.90
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.12	**4113845**	Reductie zincata fi-fe DN 3/4x1/2 cod 45024103	**buc**	**2.00**	**3.50**	**7.00**
				material:	3.50	7.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.13	**IC34B1**	Fitinguri din fonta maleabila pentru imbin. insurub. tevi. otel piesele fiind cu 2 insurub. pentru d=1/2 toli	**buc**	**2.00**	**5.19**	**10.38**
				material:	0.12	0.24
				manopera:	5.07	10.14
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.14	**4123114**	Niplu normal zincat DN 1/2 cod 45028002	**buc**	**2.00**	**3.05**	**6.10**
				material:	3.05	6.10
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.15	**SD10B1**	Robinet...trecere din am,pentru tevi plumb cu d=3/4 ,roata manevra bachelita,simbol a 83-3/4	**buc**	**2.00**	**82.10**	**164.19**
				material:	59.92	119.84
				manopera:	22.18	44.35
				utilaj:	0.00	0.00
				transport:	0.00	0.00

0	1		2	3	4	5 = 3 x 4
OBIECTUL: EXTINDERE RETEA APA SI BRANSAMENTE SAT TAUTI						
STADIUL FIZIC: BRANSAMENT APA CU REDUCTOR_(11 buc.)						
3.15.	4204427	Robinet de trecere cu sfera pentru apa, tip fi - fi cu D = 3/4"	buc	2.00	20.95	41.90
3.16	ACE12A1 (asim)	Montare reductor de presiune avand d 1/2"	buc	**2.00**	**42.81**	**85.62**
				material:	6.38	12.76
				manopera:	36.43	72.86
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.17	4625586	Reductor de presiune 1/2	buc	**1.00**	**183.15**	**183.15**
				material:	183.15	183.15
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.18	2806230	Filtru de apa pentru impuritati y 1/2	buc	**1.00**	**13.20**	**13.20**
				material:	13.20	13.20
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.19	ACE12A1	Montare contor de apa cu palete avand d 15 mm	buc	**1.00**	**42.81**	**42.81**
				material:	6.38	6.38
				manopera:	36.43	36.43
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.20	20032489	APOMETRU DN15	buc	**1.00**	**222.20**	**222.20**
				material:	222.20	222.20
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.21	AcD101A03+ (asim1)	Camine prefabricate din beton pentru apa, avand:d=80cm, H=130 cm, g=12cm, pentru imbinare cu garnitura	buc	**1.00**	**674.46**	**674.46**
				material:	645.00	645.00
				manopera:	29.46	29.46
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.22	ACD01J1	Capac si rama STAS 2308-81 pentru camine cu piesa suport carosabil tip III a	buc	**1.00**	**882.14**	**882.14**
				material:	812.44	812.44
				manopera:	69.70	69.70
				utilaj:	0.00	0.00
				transport:	0.00	0.00
3.23	ACE07A1	Spalarea si desinfectarea conductelor de alimentare cu apa avand dn 50	100 m	**0.05**	**53.90**	**2.69**
				material:	4.16	0.21
				manopera:	49.74	2.49
				utilaj:	0.00	0.00
				transport:	0.00	0.00

	procent	material	manopera	utilaj	transport	total
Total Cheltuieli directe:		**2,443.82**	**770.67**	**473.62**	**244.00**	**3,932.11**
Recapitulatia:	Recap 2019: CAM 2,25					
Contributie asiguratorie pentru munca (CAM)	2.2500 %	0.00	17.34	0.00	0.00	17.34
Total Inclusiv Cheltuieli directe:		**2,443.82**	**788.01**	**473.62**	**244.00**	**3,949.45**
Cheltuieli indirecte	8.0000 %	195.51	63.04	37.89	19.52	315.96
Total Inclusiv Cheltuieli indirecte:		**2,639.33**	**851.05**	**511.51**	**263.52**	**4,265.40**
Profit	5.0000 %	131.97	42.55	25.58	13.18	213.27
Total Inclusiv Beneficiu:		**2,771.29**	**893.60**	**537.08**	**276.70**	**4,478.67**

0	1	2	3	4	5 = 3 x 4
Cheltuieli directe:	1,122,916.37	580,079.48	922,316.93	182,010.24	**2,807,323.02**
Recapitulatie:	150,470.79	92,531.38	123,590.47	24,389.37	**390,982.01**
TOTAL GENERAL (faraTVA):	1,273,387.16	672,610.86	1,045,907.40	206,399.61	**3,198,305.04**
TVA:	241,943.56	127,796.06	198,722.41	39,215.93	**607,677.96**
TOTAL GENERAL:	1,515,330.72	800,406.93	1,244,629.81	245,615.54	**3,805,983.00**

Proiectant,

Ofertant,

SOCIETATEA COMERCIALĂ
APA - C.T.T.A. S.A. ALBA
Strada VASILE GOLDIŞ, nr. 3

OBIECTIV: EXTINDERE RETEA APA POTABILA IN LOCALITATIILE METES SI TAUTI (var. I-II)
Beneficiar: COMUNA METES
Proiectant: S.C. APA CTTA S.A. ALBA

F4cp - LISTA cu cantitatile de utilaje si echipamente tehnologice, inclusiv dotari si active necorporale la data de 22.03.2022

- lei -

Nr. crt.	Denumirea	U.M.	Cantitatea	Pret unitar - lei/um -	Valoarea (exclusiv TVA) - lei -	Furnizorul	Fisa tehnica atasata
0	1	2	3	4	5 = 3 x 4	6	7
Lista echipamente							
1	GRUP DE POMPARE APA POTABILA	buc	1,00	185.995,00	185.995,00	3D CONFORT Bucuresti	F.T.1- Grup pompare apa potabila Metes
2	CONTAINER TERMOIZOLANT PENTRU ECHIPAMENTE	buc	1,00	13.250,00	13.250,00	3D CONFORT Bucuresti	F.T.1 Container termoizolat pentru echipamente (3*2.4*2.7 m)
1	GRUP DE POMPARE APA POTABILA	buc	1,00	161.850,00	161.850,00	3D CONFORT Bucuresti	F.T.1- Grup pompare apa potabila Tauti
2	CONTAINER TERMOIZOLANT PENTRU ECHIPAMENTE	buc	1,00	13.250,00	13.250,00	3D CONFORT Bucuresti	F.T.1 Container termoizolat pentru echipamente (3*2.4*2.7 m)

LISTA F4cp

0	1	2	3	4	5 = 3 x 4	6	7
	TOTAL:			**lei**	**374.345,00**		
				euro	**75.640,53**		
	TVA:		19.00 %	**lei**	**71,125.55**		
	TOTAL cu TVA:			**lei**	**445,470.55**		

Proiectant,

SOCIETATEA COMERCIALĂ
APA - C.T.T.A. S.A. ALBA
Strada VASILE GOLDIŞ, nr. 3

Ofertant,


Plan de incadrare in zona
Stremț
Stremț
Galda de Jos
Întregalde
Cricau
Cricău
Alba
Ighiu
Metes
Alba Iulia
Alba Iulia
Vintu de Jos
Google Earth
© 2021 Google
Image © 2021 CNES / Airbus
Image © 2021 Maxar Technologies
N
10 km