

ANTEMASURATORI

OBIECTIV : “ **EXECUTIE DRENURI SI SANTURI PENTRU SCURGEREA APELOR PLUVIALE IN SATUL FANTANEA PCT. CALEA FERATA** ”

I. Acostamente consolidate cu beton

Sapatura pe o adancime de 60 cm

$120 \text{ ml} \times 1 \text{ m} \times 0.6 = 72 \text{ mc}$

1.TSC02A1 – Sapatura mecanizata

50 mc = 0.50 sute mc

2.TSA01C2- Sapatura manuala

22 mc

3.TSC35C31 – Excavator/ Transport

72 mc = 0.72 sute mc

4.TRA01A05P- Transport rutier al pamantului

$72 \text{ mc} \times 1.8 = 129.6 \text{ tone}$

5.TSE03B1 – Finisarea manuala a taluzurilor

$120 \times 1 = 120 \text{ mp} = 1.20 \text{ sute mp}$

6. DA06A1- Agregate naturale (Strat de balast)

$120 \text{ ml} \times 1 \times 0.40 = 48 \text{ mc}$

7. TRA01A30 – Transport balast

$48 \text{ mc} \times 2.1 = 100.8 \text{ tone}$

8. TRA05A05 Transport apa (cisterna)

$100.8 \text{ tone} \times 0.11 = 11.1 \text{ tone}$

9. IFB09A1 – Strat drenant de nisip cu grosimea de 5 cm

$120 \text{ ml} \times 1 \text{ m} = 120 \text{ mp}$

10. TRA01A30 - Transport nisip

$120 \times 0.05 = 6 \text{ mc} \times 1.664 = 9.984 \text{ tone}$

11. IFA03D1 – Pereu Beton – grosime 15 cm

$120 \text{ ml} \times 1 = 120 \text{ mp}$

11.L 2100906 - Beton clasa C30/37

$120 \times 0.15 = 18 \text{ mc}$

12. TRA06A20 – Transport beton

$18 \text{ mc} \times 2.4 = 43.20 \text{ tone}$

II. Santuri betonate si drenuri longitudinale

Sapatura santuri si dren

$120 \text{ ml} \times 1.66 \text{ (suprafata desfasurata sant + dren)} = 200 \text{ mc}$

1.TSC02A1 – Sapatura mecanizata

$140 \text{ mc} = 1.40 \text{ sitemc}$

2.TSA01C2- Sapatura manuala

60 mc

3.TSC35C31 – Excavator/ Transport

$200 \text{ mc} = 2.00 \text{ sitemc}$

4.TRA01A05P- Transport rutier al pamantului

$200 \text{ mc} \times 1.8 = 360 \text{ tone}$

5.TSE03B1 – Finisarea manuala a taluzurilor

$120 \times 2.2 = 264 \text{ mp} = 2.64 \text{ sitemp}$

6. DA06A1- Agregate naturale (Strat de balast)

$120 \text{ ml} \times 1 \times 0.65 = 78 \text{ mc}$

7. TRA01A30 – Transport balast

$78 \text{ mc} \times 2.1 = 163.8 \text{ tone}$

8. TRA05A05 Transport apa (cisterna)

$163.8 \text{ tone} \times 0.11 = 18 \text{ tone}$

9. IFB09A1 – Strat drenant de nisip cu grosimea de 5 cm

$120 \text{ ml} \times 2.2 \text{ m} = 264 \text{ mp}$

10. TRA01A30 - Transport nisip

$264 \times 0.05 = 13.2 \text{ mc} \times 1.664 = 21.965 \text{ tone}$

11. IFA03D1 – Pereu Beton – grosime 15 cm

$120 \text{ ml} \times 2.2 = 264 \text{ mp}$

11.L 2100906 - Beton clasa C30/37

$264 \times 0.15 = 39.6 \text{ mc}$

12. TRA06A20 – Transport beton

$$39.6 \text{ mc} \times 2.4 = 95.04 \text{ tone}$$

13. CA02A1 – Beton egalizare

$$120 \times 0.5 \times 0.1 = 6 \text{ mc}$$

13.L 2100910 Beton clasa C8/10

$$6 \text{ mc} \times 1.008 = 6.048 \text{ mc}$$

14. TRA06A20 Transport beton de egalizare

$$6 \text{ mc} \times 2.4 = 14.40 \text{ tone}$$

15. ACA10D1 – Montare teava PVC DN110 mm – articol asimiliat cu tub perforat polietilena

$$120 \text{ ml}$$

15. L 6700652 Tub perforat polietilena DN 100

$$120 \times 1.05 \text{ (imbinare)} = 126 \text{ ml}$$

16. TRA04A100 Transport tub

$$126 \text{ ml} \times 14.29 \text{ kg/ ml} = 1.8 \text{ tone}$$

17.IFF33A2 – Filtru din material textile netesut

$$120 \text{ ml} \times 3.8 \text{ m/ ml} = 456 \text{ mp}$$

17.L 7329883 Material textil netesut filtr sintet netesin latime 1.5 m

$$456 \text{ mp} \times 1.05 \text{ (imbinari)} = 478.8 \text{ mp}$$

III. Podet tubular DN 600 (lungime 8 m din tub armat)

1. TSA05C1- Sapatura manuala

$$8 \text{ ml} \times 2 \text{ m} \times 2 \text{ m} = 32 \text{ mc}$$

2. TRI1AA01C2 – Incarcare materiale (pamant)

$$32 \text{ mc} \times 2.23 \text{ (densitate)} = 71.42 \text{ tone}$$

3. TRA01A05P Transport pamant

$$71.42 \text{ tone}$$

4. TSDC1D1 Imprastierea cu lopata a pamantului

$$39.68 \text{ mc}$$

5. PB01A1- Turnare beton

$$8 \text{ ml} \times 0.65 \times 0.1 = 5.2 \text{ mc}$$

5.L 2100906 Beton marfa clasa C30/37

$$5.2 \text{ mc}$$

6. TRA06A50 Transport beton

$$5.2 \text{ mc} \times 2.4 = 12.48 \text{ tone}$$

7. Transport rutier materiale semifabricate

3.269 tone

8.PI06B1 – Montare elemente prefabricate

8 buc

9. TRB22F3C- Manipulare elemente prefabricate

3.269 tone

10. 6704455 Tuburi din beton armat DN 600

8 m

11. C02A1- Cofraje

8m x 2parti x 0.86m = 13.72 mp

12 . PF05A1 – Hidroizolat

15 mp

13. PB07A1 – beton C 25/30

8 ml x 0.54 mc/ ml = 4.33 mc

14. 2200381 Balast sortat spalat de rau 0-70 mm

24.50 mc

15. 2201713 – Piatra sparta sort 15-25 mm

8 mc

16. TRA01A30 Transport rutier

24.50 + 8 mc = 32.50 mc x 2.28 = 73.43 tone

17. PB13A1 Beton timp

2.175 mc – distanta variabila

18. TRA06A20 Transport beton

2.175 mc x 2.45= 5.44 tone

19. PF03A1 – Strat suport hidroizolat

15 mp

20. PF04A2 - Amorsa

15 mp

21. PF05C1- Hidroizolat

15 mp

22. TRA02A35 – Transport

2 tone

IV- Reparatii parte carosabila – 240 mp(60 x4)

1. DC04B#- Taierea cu discul

4 m latime parte carosabila x 2 parti = 8 ml

2. DG06A1- Spargere asfalt/ beton

240 mp x 0.1 grosime = 24 mc

3. TSC02A1- Sapatura mecanizata

240 mp x 0.5 m adancime = 120 mc= 1.20 sutemc

4.TSC35C31 – Excavator/ Transport

120 mc x 1.2 = 144mc= 1.44 sutemc

5.TRA01A05P- Transport rutier al pamantului/ asfalt

144 mc x 1.9 = 273.6 tone

6. DA06B1 - Strat de balast

240 mp x0.3 m grosime = 72 mc

7. TRA01A30- Transport balast

72 mc x 2.1 = 151.1 tone

8. TRA05A05 Transport apa (cisterna)

151.1 tone x 0.158 = 23.9 tone

9.DA12B1- Strat piatra Sparta

240 mp x 0.2 = 48 mc

10. TRA01A30- Transport piatra Sparta

48 mc x 2.275 = 109.21 tone

11. DB12B1- Strat de legatura BAD22.4

240 mp x0.06 = 14.4 mc

14.1 mc x 2.4 = 34.56 tone

11.L 2200230 Asfalt BAD 22.4

34.56 x 1.003 = 34.664 tone

12. TRA01A50 Transport binder BAD22.4

34.664 tone

13. DB01B1- Curatirea platformei

240 mp

14. DB02D1- Amorsare

240 mp = 2.40 sute mp

15. TRA05A50 – Transport amorsa

0.144 tone

16. DB16H1- Strat de uzura BA16

240 mp

16. L 20018326 – Mixtura asfaltica BA16

$240\text{mp} \times 0.04 \times 2.35 = 22.56 \text{ tone}$

17. TRA01A50 Transport BA16

22.56 tone

18. DF16B1- Marcaje rutier

$60 \times 2 = 120 \text{ ml} = 0.12 \text{ km}$

Intocmit

SC EVA TOTAL PROIECT SRL