

KOSZTORYS OFERTOWY

Budowa : Kosztorysy

Obiekt : Gulczewko dz. 2 ark. 1 obręb Gulczewko gmina Września

Budowa oświetlenia ulicznego w miejscowości Gulczewko dz. 2 ark. 1 obręb Gulczewko gmina Września

Inwestor : Gmina Września

Adres : ul. Ratuszowa 1,62-300 Września

Wykonawca :

Adres :

Wartość kosztorysowa robót : zł

Podatek VAT % : zł

Wartość robót ogółem : zł

Słownie :

NARZUTY I STAWKI KOSZTORYSU

Stawka roboczogodziny R-g : zł / r-g

Narzut kosztów zakupu materiałów Kz : %

Narzut kosztów pośrednich Kp : % od Robocizny [Kp_R] + % od Sprzętu [Kp_S]

Narzut zysku Z : % od (R + Kp_R) + % od (M + Kz) + % od (S + Kp_S)

Planowany termin realizacji : od do

Podstawa wyceny :

Opracował : Data :

Inwestor :

Wykonawca :

Budowa oświetlenia ulicznego w miejscowości Gulczewko dz. 2 ark. 1 obręb Gulczewko gmina Września

Budowa : Kosztorysy

Obiekt : Gulczewko dz. 2 ark. 1 obręb Gulczewko gmina Września

WIODĄCE NARZUTY I STAWKI KOSZTORYSU

Stawka roboczogodziny R-g : zł / r-g

Narzut kosztów zakupu materiałów Kz : %

Narzut kosztów pośrednich Kp : % od Robocizny [Kp_R] + % od Sprzętu [Kp_S]

Narzut zysku Z : % od (R + Kp_R) + % od (M+ Kz) + % od (S + Kp_S)

Poziom cen :

TABELA WARTOŚCI ELEMENTÓW SCALONYCH

Str. 1

| Lp. | Opis pozycji tabeli | Wartość [zł] |
|------------------------------------|------------------------------------------------------------------|----------------|
| 1 | Linia kablowa nn 0,4kV - zasilanie SO | |
| | Razem : Linia kablowa nn 0,4kV - zasilanie SO | |
| 2 | Linia kablowa nn 0,4kV - zasilanie słupa oświetleniowego | |
| | Razem : Linia kablowa nn 0,4kV - zasilanie słupa oświetleniowego | |
| 3 | Projekt organizacji ruchu | |
| | Razem : Projekt organizacji ruchu | |
| 4 | Wytyczenie i geodezja powykonawcza | |
| | Razem : Wytyczenie i geodezja powykonawcza | |
| Wartość kosztorysowa robót : | | |

Inwestor :

Wykonawca :

Budowa oświetlenia ulicznego w miejscowości Gulczewko dz. 2 ark. 1 obręb Gulczewko gmina Września

Budowa : Kosztorysy

Obiekt : Gulczewko dz. 2 ark. 1 obręb Gulczewko gmina Września

WIODĄCE NARZUTY I STAWKI KOSZTORYSU

Stawka roboczogodziny R-g : zł / r-g

Narzut kosztów zakupu materiałów Kz : %

Narzut kosztów pośrednich Kp : % od Robocizny [Kp_R] + % od Sprzętu [Kp_S]

Narzut zysku Z : % od (R + Kp_R) + % od (M+ Kz) + % od (S + Kp_S)

Poziom cen :

PRZEDMIAR INWESTORSKI

Str. 1

| Lp. | Podstawa kalkulacji / opis pozycji | Ilość | J.m. | Cena jednostkowa | Wartość [zł] |
|-----|------------------------------------|-------|------|------------------|----------------|
|-----|------------------------------------|-------|------|------------------|----------------|

1 Linia kablowa nn 0,4kV - zasilanie SO

| 1 | KNNR 005-0701-02-00 MRRiB Ręczne kopanie rowów dla kabli, w gruncie : kat. III | 0,320 m3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------|-------------|-------|----------------------|-------|------------------------|----------------|-------------|--|-----------|---------|-------------------|-------|-------|-------|---------------------------------|---------|---------|-------|-------|-------|----------------------|------|---|-------|-------|-------|-----------------------------|---------|-----|-------|-------|-------|
| <table> <tr> <th>Opis pozycji obmiaru</th><th>/</th><th>wyrażenie arytmetyczne</th><th colspan="3">Wynik</th></tr> <tr> <td></td><td></td><td>$1 * 0.8 * 0.4 =$</td><td></td><td>0,320</td><td></td></tr> <tr> <td></td><td></td><td>Razem =</td><td></td><td>0,320</td><td>m3</td></tr> </table> | | | | | | Opis pozycji obmiaru | / | wyrażenie arytmetyczne | Wynik | | | | | $1 * 0.8 * 0.4 =$ | | 0,320 | | | | Razem = | | 0,320 | m3 | | | | | | | | | | | | |
| Opis pozycji obmiaru | / | wyrażenie arytmetyczne | Wynik | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | $1 * 0.8 * 0.4 =$ | | 0,320 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Razem = | | 0,320 | m3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table> <tr> <th>Opis czynnika R,M,S</th><th>Norma</th><th>J.m.</th><th>Cena jedn. RMS</th><th colspan="2">Wartość RMS</th></tr> <tr> <td>Robocizna</td><td>2,24000</td><td>r-g</td><td>.....</td><td>.....</td><td>.....</td></tr> </table> | | | | | | Opis czynnika R,M,S | Norma | J.m. | Cena jedn. RMS | Wartość RMS | | Robocizna | 2,24000 | r-g | | | | | | | | | | | | | | | | | | | | | |
| Opis czynnika R,M,S | Norma | J.m. | Cena jedn. RMS | Wartość RMS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Robocizna | 2,24000 | r-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | KNNR 005-0702-02-00 MRRiB Ręczne zasypywanie rowów dla kabli, w gruncie : kat. III | 0,240 m3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table> <tr> <th>Opis pozycji obmiaru</th><th>/</th><th>wyrażenie arytmetyczne</th><th colspan="3">Wynik</th></tr> <tr> <td></td><td></td><td>$1 * 0.6 * 0.4 =$</td><td></td><td>0,240</td><td></td></tr> <tr> <td></td><td></td><td>Razem =</td><td></td><td>0,240</td><td>m3</td></tr> </table> | | | | | | Opis pozycji obmiaru | / | wyrażenie arytmetyczne | Wynik | | | | | $1 * 0.6 * 0.4 =$ | | 0,240 | | | | Razem = | | 0,240 | m3 | | | | | | | | | | | | |
| Opis pozycji obmiaru | / | wyrażenie arytmetyczne | Wynik | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | $1 * 0.6 * 0.4 =$ | | 0,240 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Razem = | | 0,240 | m3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table> <tr> <th>Opis czynnika R,M,S</th><th>Norma</th><th>J.m.</th><th>Cena jedn. RMS</th><th colspan="2">Wartość RMS</th></tr> <tr> <td>Robocizna</td><td>1,21000</td><td>r-g</td><td>.....</td><td>.....</td><td>.....</td></tr> </table> | | | | | | Opis czynnika R,M,S | Norma | J.m. | Cena jedn. RMS | Wartość RMS | | Robocizna | 1,21000 | r-g | | | | | | | | | | | | | | | | | | | | | |
| Opis czynnika R,M,S | Norma | J.m. | Cena jedn. RMS | Wartość RMS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Robocizna | 1,21000 | r-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | KNNR 005-0706-01-00 MRRiB Nasypianie warstwy piasku na dnie rowu kablowego o szerokości: do 0,4 m | 2,000 m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table> <tr> <th>Opis pozycji obmiaru</th><th>/</th><th>wyrażenie arytmetyczne</th><th colspan="3">Wynik</th></tr> <tr> <td></td><td></td><td>$1 * 2 =$</td><td></td><td>2,000</td><td></td></tr> <tr> <td></td><td></td><td>Razem =</td><td></td><td>2,000</td><td>m</td></tr> </table> | | | | | | Opis pozycji obmiaru | / | wyrażenie arytmetyczne | Wynik | | | | | $1 * 2 =$ | | 2,000 | | | | Razem = | | 2,000 | m | | | | | | | | | | | | |
| Opis pozycji obmiaru | / | wyrażenie arytmetyczne | Wynik | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | $1 * 2 =$ | | 2,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Razem = | | 2,000 | m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table> <tr> <th>Opis czynnika R,M,S</th><th>Norma</th><th>J.m.</th><th>Cena jedn. RMS</th><th colspan="2">Wartość RMS</th></tr> <tr> <td>Robocizna</td><td>0,01260</td><td>r-g</td><td>.....</td><td>.....</td><td>.....</td></tr> <tr> <td>Piaski do nawierzchni drogowych</td><td>0,05600</td><td>m3</td><td>.....</td><td>.....</td><td>.....</td></tr> <tr> <td>Materiały pomocnicze</td><td>2,50</td><td>%</td><td>.....</td><td>.....</td><td>.....</td></tr> <tr> <td>Samochód samowyladowczy (1)</td><td>0,00800</td><td>m-g</td><td>.....</td><td>.....</td><td>.....</td></tr> </table> | | | | | | Opis czynnika R,M,S | Norma | J.m. | Cena jedn. RMS | Wartość RMS | | Robocizna | 0,01260 | r-g | | | | Piaski do nawierzchni drogowych | 0,05600 | m3 | | | | Materiały pomocnicze | 2,50 | % | | | | Samochód samowyladowczy (1) | 0,00800 | m-g | | | |
| Opis czynnika R,M,S | Norma | J.m. | Cena jedn. RMS | Wartość RMS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Robocizna | 0,01260 | r-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Piaski do nawierzchni drogowych | 0,05600 | m3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Materiały pomocnicze | 2,50 | % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Samochód samowyladowczy (1) | 0,00800 | m-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | KNNR 001-0408-02-00 MRRiB Zagęszczanie nasypów ubijkami mechanicznymi, w gruncie: spoistym kat. III | 0,240 m3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table> <tr> <th>Opis pozycji obmiaru</th><th>/</th><th>wyrażenie arytmetyczne</th><th colspan="3">Wynik</th></tr> <tr> <td></td><td></td><td>$1 * 0.4 * 0.6 =$</td><td></td><td>0,240</td><td></td></tr> <tr> <td></td><td></td><td>Razem =</td><td></td><td>0,240</td><td>m3</td></tr> </table> | | | | | | Opis pozycji obmiaru | / | wyrażenie arytmetyczne | Wynik | | | | | $1 * 0.4 * 0.6 =$ | | 0,240 | | | | Razem = | | 0,240 | m3 | | | | | | | | | | | | |
| Opis pozycji obmiaru | / | wyrażenie arytmetyczne | Wynik | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | $1 * 0.4 * 0.6 =$ | | 0,240 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Razem = | | 0,240 | m3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table> <tr> <th>Opis czynnika R,M,S</th><th>Norma</th><th>J.m.</th><th>Cena jedn. RMS</th><th colspan="2">Wartość RMS</th></tr> <tr> <td>Robocizna</td><td>0,21000</td><td>r-g</td><td>.....</td><td>.....</td><td>.....</td></tr> <tr> <td>Ubiak spalinyowy 200 kg</td><td>0,18000</td><td>m-g</td><td>.....</td><td>.....</td><td>.....</td></tr> </table> | | | | | | Opis czynnika R,M,S | Norma | J.m. | Cena jedn. RMS | Wartość RMS | | Robocizna | 0,21000 | r-g | | | | Ubiak spalinyowy 200 kg | 0,18000 | m-g | | | | | | | | | | | | | | | |
| Opis czynnika R,M,S | Norma | J.m. | Cena jedn. RMS | Wartość RMS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Robocizna | 0,21000 | r-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ubiak spalinyowy 200 kg | 0,18000 | m-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | KNNR 005-0707-02-00 MRRiB Ręczne układanie kabli w rowach kablowych, o masie pon. 0,5 do 1,0 kg/m, z przykryciem kabli: folią z PCW uplast.gr.pow.0,4-0,6 mm gat.I/II - kabel YAKY 4x25mm2 | 1,000 m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table> <tr> <th>Opis pozycji obmiaru</th><th>/</th><th>wyrażenie arytmetyczne</th><th colspan="3">Wynik</th></tr> </table> | | | | | | Opis pozycji obmiaru | / | wyrażenie arytmetyczne | Wynik | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Opis pozycji obmiaru | / | wyrażenie arytmetyczne | Wynik | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Budowa oświetlenia ulicznego w miejscowości Gulczewko dz. 2 ark. 1 obręb Gulczewko gmina Września

1. Linia kablowa nn 0,4kV - zasilanie SO

Str. 2

| Lp. | Podstawa kalkulacji / opis pozycji | Ilość | J.m. | Cena jednostkowa | Wartość [zł] |
|--------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------|-------------------|----------------|
| <div> <div>1 = 1,000</div> <div>Razem = 1,000 m</div> </div> | | | | | |
| | Opis czynnika R,M,S | Norma | J.m. | Cena jedn. RMS | Wartość RMS |
| | Robocizna | 0,06460 | r-g | | |
| | Folie PVC | 0,42000 | m2 | | |
| | Opaski kablowe instalacyjne (OKI) | 0,10000 | szt | | |
| | Kabel elektroenerg.alum.YAKY 4x 25;0,6/1kV | 1,04000 | m | | |
| | Słupki oznaczeniowe SO | 0,01500 | szt | | |
| | Materiały pomocnicze | 2,50 | % | | |
| | Żuraw samochodowy (1) | 0,00450 | m-g | | |
| | Środek transportowy (1) | 0,01490 | m-g | | |
| | Ciągnik kołowy (1) | 0,00450 | m-g | | |
| | Przyczepa do przewożenia kabli | 0,00450 | m-g | | |
| 6 | KNNR 005-0715-02-00 MRRiB | 3,000 m | | | |
| | Układanie kabli w budynkach, budowlach lub na estakadach, z mocowaniem, o masie: ponad 0,5 do 1,0 kg/m | | | | |
| | Opis pozycji obmiaru / wyrażenie arytmetyczne | | | Wynik | |
| | | | | 3 = 3,000 | |
| | | | | Razem = 3,000 m | |
| | Opis czynnika R,M,S | Norma | J.m. | Cena jedn. RMS | Wartość RMS |
| | Robocizna | 0,15500 | r-g | | |
| | Wazeliny techniczne | 0,00700 | kg | | |
| | Opaski kablowe instalacyjne (OKI) | 0,05000 | szt | | |
| | Kabel elektroenerg.alum.YAKY 4x 25;0,6/1kV | 1,04000 | m | | |
| | Materiały pomocnicze | 2,50 | % | | |
| | Żuraw samochodowy (1) | 0,00440 | m-g | | |
| | Środek transportowy (1) | 0,00670 | m-g | | |
| | Ciągnik kołowy (1) | 0,00440 | m-g | | |
| | Przyczepa do przewożenia kabli | 0,00440 | m-g | | |
| 7 | KNNR 005-0726-10-00 MRRiB | 2,000 szt | | | |
| | Obróbka na sucho kabli na nap.do 1 kV, o izolacji i powłoce z tworzyw sztucznych - zarobienie na sucho końca kabla 4-żyłowego, o przekroju żył: 25 mm2 | | | | |
| | Opis pozycji obmiaru / wyrażenie arytmetyczne | | | Wynik | |
| | | | | 2 = 2,000 | |
| | | | | Razem = 2,000 szt | |
| | Opis czynnika R,M,S | Norma | J.m. | Cena jedn. RMS | Wartość RMS |
| | Robocizna | 2,52000 | r-g | | |
| | Końcówki kablowe do zapras., K 25 mm2 | 4,00000 | szt | | |
| | Opaski kablowe instalacyjne (OKI) | 1,00000 | szt | | |
| | Uchwyty kablowe uniwersalne (UKU) | 1,00000 | szt | | |
| | Materiały pomocnicze | 2,50 | % | | |
| 8 | KNNR 005-0401-04-00 MRRiB | 1,000 kpl | | | |
| | Montaż szafki oświetleniowej | | | | |
| | Opis pozycji obmiaru / wyrażenie arytmetyczne | | | Wynik | |
| | | | | 1 = 1,000 | |
| | | | | Razem = 1,000 kpl | |
| | Opis czynnika R,M,S | Norma | J.m. | Cena jedn. RMS | Wartość RMS |
| | Robocizna | 10,20000 | r-g | | |
| | szafka oświetleniowa SO zgodnie z rys. E-2 | 1,00000 | kpl | | |
| | zegar astronomiczny | 1,00000 | kpl | | |

Budowa oświetlenia ulicznego w miejscowości Gulczewko dz. 2 ark. 1 obręb Gulczewko gmina Września
1. Linia kablowa nn 0,4kV - zasilanie SO

Str. 3

| Lp. | Podstawa kalkulacji / opis pozycji | Ilość | J.m. | Cena jednostkowa | Wartość [zł] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------|------------------|----------------|----------------------|-------|------------------------|----------------|-------------|--|-----------|---------|-----|-----|-------|--|-----------------------------|---------|-----|---------|-------|-------|------------------------------|---------|-----|--|--|--|-------------------------------------------|---------|-----|--|--|--|-------------------------|---------|-----|--|--|--|--------------------------------------------|---------|-----|--|--|--|-------------------------|---------|-----|--|--|--|--------------------------------------------|---------|-----|--|--|--|
| 9 | KNNR 005-0312-09-00 MRRiB Montaż zabezpieczeń S301C 6A | 2,000 szt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table> <tr> <th>Opis pozycji obmiaru</th><th>/</th><th>wyrażenie arytmetyczne</th><th colspan="3">Wynik</th></tr> <tr> <td></td><td></td><td></td><td>2 =</td><td>2,000</td><td></td></tr> <tr> <td></td><td></td><td></td><td>Razem =</td><td>2,000</td><td>szt</td></tr> </table> | | | | | | Opis pozycji obmiaru | / | wyrażenie arytmetyczne | Wynik | | | | | | 2 = | 2,000 | | | | | Razem = | 2,000 | szt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Opis pozycji obmiaru | / | wyrażenie arytmetyczne | Wynik | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 2 = | 2,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Razem = | 2,000 | szt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table> <tr> <th>Opis czynnika R,M,S</th><th>Norma</th><th>J.m.</th><th>Cena jedn. RMS</th><th colspan="2">Wartość RMS</th></tr> <tr> <td>Robocizna</td><td>0,27300</td><td>r-g</td><td></td><td></td><td></td></tr> <tr> <td>zabezpieczenie S301C 6A</td><td>1,03000</td><td>szt</td><td></td><td></td><td></td></tr> <tr> <td>Materiały pomocnicze</td><td>2,50</td><td>%</td><td></td><td></td><td></td></tr> </table> | | | | | | Opis czynnika R,M,S | Norma | J.m. | Cena jedn. RMS | Wartość RMS | | Robocizna | 0,27300 | r-g | | | | zabezpieczenie S301C 6A | 1,03000 | szt | | | | Materiały pomocnicze | 2,50 | % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Opis czynnika R,M,S | Norma | J.m. | Cena jedn. RMS | Wartość RMS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Robocizna | 0,27300 | r-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| zabezpieczenie S301C 6A | 1,03000 | szt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Materiały pomocnicze | 2,50 | % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | KNNR 005-0602-04-00 MRRiB Montaż przewodów uziemiających i wyrównawczych wykonanych z bednarki ocynkowanej o przekroju do 120 mm ² : ułożonych luzem | 1,000 m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table> <tr> <th>Opis pozycji obmiaru</th><th>/</th><th>wyrażenie arytmetyczne</th><th colspan="3">Wynik</th></tr> <tr> <td></td><td></td><td></td><td>1 =</td><td>1,000</td><td></td></tr> <tr> <td></td><td></td><td></td><td>Razem =</td><td>1,000</td><td>m</td></tr> </table> | | | | | | Opis pozycji obmiaru | / | wyrażenie arytmetyczne | Wynik | | | | | | 1 = | 1,000 | | | | | Razem = | 1,000 | m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Opis pozycji obmiaru | / | wyrażenie arytmetyczne | Wynik | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 1 = | 1,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Razem = | 1,000 | m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Opis czynnika R,M,S | Norma | J.m. | Cena jedn. RMS | Wartość RMS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Robocizna | 0,10500 | r-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bednarka stalowa ocynkowana | 1,04000 | m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Materiały pomocnicze | 2,50 | % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spawarka elektr.transformatorowa do 500 A | 0,02940 | m-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | KNNR 005-0606-05-00 MRRiB Montaż metodą udarową uziomu ze stali profilowanej, w gruncie: kat.III - długość uziomu 4,5 m | 1,000 uziom | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Opis pozycji obmiaru | / | wyrażenie arytmetyczne | Wynik | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 1 = | 1,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Razem = | 1,000 | uziom | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Opis czynnika R,M,S | Norma | J.m. | Cena jedn. RMS | Wartość RMS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Robocizna | 1,28000 | r-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Uziomy prętowe 16 mm | 4,50000 | m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Uchwyt krzyżowy o śred.16 mm | 1,00000 | szt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Grot stalowy 16 mm | 1,00000 | szt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Materiały pomocnicze | 2,50 | % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wibromłot elektr.lub spalin.do 3kW [4KM] | 0,75000 | m-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Środek transportowy (1) | 0,75000 | m-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Zespół prądotwórczy 1-faz.przenośny 2,5kVA | 0,75000 | m-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | KNNR 005-0606-06-00 MRRiB Montaż metodą udarową uziomu ze stali profilowanej, w gruncie: kat.III - za każde następne 1,5 m dług.uziomu | 1,000 uziom | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Opis pozycji obmiaru | / | wyrażenie arytmetyczne | Wynik | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 1 = | 1,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Razem = | 1,000 | uziom | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Opis czynnika R,M,S | Norma | J.m. | Cena jedn. RMS | Wartość RMS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Robocizna | 0,28000 | r-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Uziomy prętowe 16 mm | 1,50000 | m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Materiały pomocnicze | 2,50 | % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wibromłot elektr.lub spalin.do 3kW [4KM] | 0,16000 | m-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Środek transportowy (1) | 0,16000 | m-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Zespół prądotwórczy 1-faz.przenośny 2,5kVA | 0,16000 | m-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | KNNR 005-1304-01-00 MRRiB Badania i pomiary instalacji uziemienia ochronnego lub roboczego: - pierwszy pomiar | 1,000 szt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Budowa oświetlenia ulicznego w miejscowości Gulczewko dz. 2 ark. 1 obręb Gulczewko gmina Września
1. Linia kablowa nn 0,4kV - zasilanie SO

Str. 4

| Lp. | Podstawa kalkulacji / opis pozycji | Ilość | J.m. | Cena jednostkowa | Wartość [zł] |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|---------|------|------------------|----------------|
| <div><div><div>Opis pozycji obmiaru / wyrażenie arytmetyczne</div><div>Wynik</div><div>1 = 1,000</div><div>Razem = 1,000 szt</div></div></div> | | | | | |
| <div><div><div>Opis czynnika R,M,S</div><div>Norma</div><div>J.m.</div><div>Cena jedn. RMS</div><div>Wartość RMS</div></div><div>Robocizna1,24000r-g.....</div></div> | | | | | |
| 14 | KNNR 005-1302-03-00 MRRiB Badanie linii kablowej: niskiego napięcia - kabel 4-żyłowy | 1,000 | odc | | |
| <div><div><div>Opis pozycji obmiaru / wyrażenie arytmetyczne</div><div>Wynik</div><div>1 = 1,000</div><div>Razem = 1,000 odc</div></div></div> | | | | | |
| <div><div><div>Opis czynnika R,M,S</div><div>Norma</div><div>J.m.</div><div>Cena jedn. RMS</div><div>Wartość RMS</div></div><div>Robocizna1,80000r-g.....</div></div> | | | | | |
| 15 | KNR 514-0604-01-00 Mocowanie tabliczek opisowych: przykręcanych | 1,000 | szt | | |
| <div><div><div>Opis pozycji obmiaru / wyrażenie arytmetyczne</div><div>Wynik</div><div>1 = 1,000</div><div>Razem = 1,000 szt</div></div></div> | | | | | |
| <div><div><div>Opis czynnika R,M,S</div><div>Norma</div><div>J.m.</div><div>Cena jedn. RMS</div><div>Wartość RMS</div></div><div>Robocizna0,13370r-g.....</div><div>Tabliczki ostrzegawcze z blachy stalowej1,00000szt.....</div><div>Materiały pomocnicze2,50%.....</div></div> | | | | | |
| 2 Linia kablowa nn 0,4kV - zasilanie słupa oświetleniowego | | | | | |
| 16 | KNNR 005-0701-02-00 MRRiB Ręczne kopanie rowów dla kabli, w gruncie : kat. III | 36,160 | m3 | | |
| <div><div><div>Opis pozycji obmiaru / wyrażenie arytmetyczne</div><div>Wynik</div><div>113 * 0.8 * 0.4 = 36,160</div><div>Razem = 36,160 m3</div></div></div> | | | | | |
| <div><div><div>Opis czynnika R,M,S</div><div>Norma</div><div>J.m.</div><div>Cena jedn. RMS</div><div>Wartość RMS</div></div><div>Robocizna2,24000r-g.....</div></div> | | | | | |
| 17 | KNNR 005-0702-02-00 MRRiB Ręczne zasypywanie rowów dla kabli, w gruncie : kat. III | 27,120 | m3 | | |
| <div><div><div>Opis pozycji obmiaru / wyrażenie arytmetyczne</div><div>Wynik</div><div>113 * 0.6 * 0.4 = 27,120</div><div>Razem = 27,120 m3</div></div></div> | | | | | |
| <div><div><div>Opis czynnika R,M,S</div><div>Norma</div><div>J.m.</div><div>Cena jedn. RMS</div><div>Wartość RMS</div></div><div>Robocizna1,21000r-g.....</div></div> | | | | | |
| 18 | KNNR 005-0706-01-00 MRRiB Nasypanie warstwy piasku na dnie rowu kablowego o szerokości: do 0,4 m | 226,000 | m | | |
| <div><div><div>Opis pozycji obmiaru / wyrażenie arytmetyczne</div><div>Wynik</div><div>113 * 2 = 226,000</div><div>Razem = 226,000 m</div></div></div> | | | | | |
| <div><div><div>Opis czynnika R,M,S</div><div>Norma</div><div>J.m.</div><div>Cena jedn. RMS</div><div>Wartość RMS</div></div><div>Robocizna0,01260r-g.....</div><div>Piaski do nawierzchni drogowych0,05600m3.....</div><div>Materiały pomocnicze2,50%.....</div><div>Samochód samowyladowczy (1)0,00800m-g.....</div></div> | | | | | |

Budowa oświetlenia ulicznego w miejscowości Gulczewko dz. 2 ark. 1 obręb Gulczewko gmina Września
2. Linia kablowa nn 0,4kV - zasilanie słupa oświetleniowego

Str. 5

| Lp. | Podstawa kalkulacji / opis pozycji | Ilość | J.m. | Cena jednostkowa | Wartość [zł] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 19 | KNNR 001-0408-02-00 MRRiB Zagęszczanie nasypów ubijakami mechanicznymi, w gruncie: spoistym kat. III | 27,120 m3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Opis pozycji obmiaru | / | wyrażenie arytmetyczne | Wynik | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 113 * 0.6 * 0.4 = | 27,120 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Razem = | 27,120 | m3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table> <tr> <th>Opis czynnika R,M,S</th><th>Norma</th><th>J.m.</th><th>Cena jedn. RMS</th><th colspan="2">Wartość RMS</th></tr> <tr> <td>Robocizna</td><td>0,21000</td><td>r-g</td><td></td><td></td><td></td></tr> <tr> <td>Ubijak spalinowy 200 kg</td><td>0,18000</td><td>m-g</td><td></td><td></td><td></td></tr> </table> | | | | | | Opis czynnika R,M,S | Norma | J.m. | Cena jedn. RMS | Wartość RMS | | Robocizna | 0,21000 | r-g | | | | Ubijak spalinowy 200 kg | 0,18000 | m-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Opis czynnika R,M,S | Norma | J.m. | Cena jedn. RMS | Wartość RMS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Robocizna | 0,21000 | r-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ubijak spalinowy 200 kg | 0,18000 | m-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | KNR 401-0108-06-00 IZOIEPB ORGBUD W-wa Wywóz ziemi samochodami samowyladowczymi na odległość do 1 km, z załadowaniem i wyladowaniem gruntu kategorii: III | 9,040 m3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table> <tr> <th>Opis pozycji obmiaru</th><th>/</th><th>wyrażenie arytmetyczne</th><th colspan="3">Wynik</th></tr> <tr> <td></td><td></td><td></td><td>113 * 0.2 * 0.4 =</td><td>9,040</td><td></td></tr> <tr> <td></td><td></td><td></td><td>Razem =</td><td>9,040</td><td>m3</td></tr> </table> | | | | | | Opis pozycji obmiaru | / | wyrażenie arytmetyczne | Wynik | | | | | | 113 * 0.2 * 0.4 = | 9,040 | | | | | Razem = | 9,040 | m3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Opis pozycji obmiaru | / | wyrażenie arytmetyczne | Wynik | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 113 * 0.2 * 0.4 = | 9,040 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Razem = | 9,040 | m3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table> <tr> <th>Opis czynnika R,M,S</th><th>Norma</th><th>J.m.</th><th>Cena jedn. RMS</th><th colspan="2">Wartość RMS</th></tr> <tr> <td>Robocizna</td><td>0,51000</td><td>r-g</td><td></td><td></td><td></td></tr> <tr> <td>Samochód samowyladowczy do 5 t (1)</td><td>0,31500</td><td>m-g</td><td></td><td></td><td></td></tr> </table> | | | | | | Opis czynnika R,M,S | Norma | J.m. | Cena jedn. RMS | Wartość RMS | | Robocizna | 0,51000 | r-g | | | | Samochód samowyladowczy do 5 t (1) | 0,31500 | m-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Opis czynnika R,M,S | Norma | J.m. | Cena jedn. RMS | Wartość RMS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Robocizna | 0,51000 | r-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Samochód samowyladowczy do 5 t (1) | 0,31500 | m-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | KNNR 005-0707-02-00 MRRiB Ręczne układanie kabli w rowach kablowych, o masie pon. 0,5 do 1,0 kg/m, z przykryciem kabli: folią z PCW uplast.gr.pow.0,4-0,6 mm gat.I/II - kabel YAKY 4x25mm2 | 113,000 m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Opis pozycji obmiaru | / | wyrażenie arytmetyczne | Wynik | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 113 = | 113,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Razem = | 113,000 | m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Opis czynnika R,M,S | Norma | J.m. | Cena jedn. RMS | Wartość RMS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Robocizna | 0,06460 | r-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Folie PVC | 0,42000 | m2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Opaski kablowe instalacyjne (OKI) | 0,10000 | szt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kabel elektroenerg.alum.YAKY 4x 25;0,6/1kV | 1,04000 | m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Słupki oznaczeniowe SO | 0,01500 | szt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Materiały pomocnicze | 2,50 | % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Żuraw samochodowy (1) | 0,00450 | m-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Środek transportowy (1) | 0,01490 | m-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ciągnik kołowy (1) | 0,00450 | m-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Przyczepa do przewożenia kabli | 0,00450 | m-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | KNNR 005-0715-02-00 MRRiB Układanie kabli w budynkach, budowlach lub na estakadach, z mocowaniem, o masie: ponad 0,5 do 1,0 kg/m kabel YAKY 4x25mm2 | 12,000 m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Opis pozycji obmiaru | / | wyrażenie arytmetyczne | Wynik | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 3 * 4 = | 12,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Razem = | 12,000 | m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Opis czynnika R,M,S | Norma | J.m. | Cena jedn. RMS | Wartość RMS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Robocizna | 0,15500 | r-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wazeliny techniczne | 0,00700 | kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Opaski kablowe instalacyjne (OKI) | 0,05000 | szt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kabel elektroenerg.alum.YAKY 4x 25;0,6/1kV | 1,04000 | m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Materiały pomocnicze | 2,50 | % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Żuraw samochodowy (1) | 0,00440 | m-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Środek transportowy (1) | 0,00670 | m-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ciągnik kołowy (1) | 0,00440 | m-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Przyczepa do przewożenia kabli | 0,00440 | m-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Budowa oświetlenia ulicznego w miejscowości Gulczewko dz. 2 ark. 1 obręb Gulczewko gmina Września
2. Linia kablowa nn 0,4kV - zasilanie słupa oświetleniowego

Str. 6

| Lp. | Podstawa kalkulacji / opis pozycji | Ilość | J.m. | Cena jednostkowa | Wartość [zł] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------|------------------|----------------|----------------------|-------|------------------------|----------------|-------------|--|-----------|---------|-----|---------|-------|--|-------------------------------------------------------------|---------|-----|---------|-------|-----|-----------------------------------|---------|-----|--|--|--|-----------------------------------|---------|-----|--|--|--|-----------------------------------------|---------|-----|--|--|--|-----------------------|---------|-----|--|--|--|-------------------------|---------|-----|--|--|--|
| 23 | KNNR 005-0726-10-00 MRRiB Obróbka na sucho kabli na nap.do 1 kV, o izolacji i powłoce z tworzyw sztucznych - zarobienie na sucho końca kabla 4-żyłowego, o przekroju żył: 25 mm ² | 6,000 szt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table> <tr> <th>Opis pozycji obmiaru</th><th>/</th><th>wyrażenie arytmetyczne</th><th colspan="3">Wynik</th></tr> <tr> <td></td><td></td><td></td><td>3 * 2 =</td><td>6,000</td><td></td></tr> <tr> <td></td><td></td><td></td><td>Razem =</td><td>6,000</td><td>szt</td></tr> </table> | | | | | | Opis pozycji obmiaru | / | wyrażenie arytmetyczne | Wynik | | | | | | 3 * 2 = | 6,000 | | | | | Razem = | 6,000 | szt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Opis pozycji obmiaru | / | wyrażenie arytmetyczne | Wynik | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 3 * 2 = | 6,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Razem = | 6,000 | szt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table> <tr> <th>Opis czynnika R,M,S</th><th>Norma</th><th>J.m.</th><th>Cena jedn. RMS</th><th colspan="2">Wartość RMS</th></tr> <tr> <td>Robocizna</td><td>2,52000</td><td>r-g</td><td></td><td></td><td></td></tr> <tr> <td>Końcówki kablowe do zapras., K 25 mm²</td><td>4,00000</td><td>szt</td><td></td><td></td><td></td></tr> <tr> <td>Opaski kablowe instalacyjne (OKI)</td><td>1,00000</td><td>szt</td><td></td><td></td><td></td></tr> <tr> <td>Uchwyty kablowe uniwersalne (UKU)</td><td>1,00000</td><td>szt</td><td></td><td></td><td></td></tr> <tr> <td>Materiały pomocnicze</td><td>2,50</td><td>%</td><td></td><td></td><td></td></tr> </table> | | | | | | Opis czynnika R,M,S | Norma | J.m. | Cena jedn. RMS | Wartość RMS | | Robocizna | 2,52000 | r-g | | | | Końcówki kablowe do zapras., K 25 mm ² | 4,00000 | szt | | | | Opaski kablowe instalacyjne (OKI) | 1,00000 | szt | | | | Uchwyty kablowe uniwersalne (UKU) | 1,00000 | szt | | | | Materiały pomocnicze | 2,50 | % | | | | | | | | | | | | | | | |
| Opis czynnika R,M,S | Norma | J.m. | Cena jedn. RMS | Wartość RMS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Robocizna | 2,52000 | r-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Końcówki kablowe do zapras., K 25 mm ² | 4,00000 | szt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Opaski kablowe instalacyjne (OKI) | 1,00000 | szt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Uchwyty kablowe uniwersalne (UKU) | 1,00000 | szt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Materiały pomocnicze | 2,50 | % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | KNNR 005-1001-01-00 MRRiB Montaż i stawianie słupów oświetleniowych, stalowych słup ośmiokątny 7m, ocynkowany ogniowo, grubość ścianki 3mm | 3,000 szt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table> <tr> <th>Opis pozycji obmiaru</th><th>/</th><th>wyrażenie arytmetyczne</th><th colspan="3">Wynik</th></tr> <tr> <td></td><td></td><td></td><td>3 =</td><td>3,000</td><td></td></tr> <tr> <td></td><td></td><td></td><td>Razem =</td><td>3,000</td><td>szt</td></tr> </table> | | | | | | Opis pozycji obmiaru | / | wyrażenie arytmetyczne | Wynik | | | | | | 3 = | 3,000 | | | | | Razem = | 3,000 | szt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Opis pozycji obmiaru | / | wyrażenie arytmetyczne | Wynik | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 3 = | 3,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Razem = | 3,000 | szt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Opis czynnika R,M,S | Norma | J.m. | Cena jedn. RMS | Wartość RMS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Robocizna | 4,54000 | r-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Słup ośmiokątny 7m, ocynkowany ogniowo, grubość ścianki 3mm | 1,00000 | szt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| fundament betonowy | 1,00000 | szt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Materiały pomocnicze | 2,50 | % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kop.-spych.lub kop.-ładow. 0,15 (1) | 0,07000 | m-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Żuraw samochodowy (1) | 0,06000 | m-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Środek transportowy (1) | 0,06000 | m-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | KNNR 005-1002-01-00 MRRiB [Wydanie - Warszawa 26.09.2000 r.] Montaż wysięgników rurowych, mocowanych na słupie, wysięgnikiem h=1m i dł. 1,0m; | 3,000 szt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table> <tr> <th>Opis pozycji obmiaru</th><th>/</th><th>wyrażenie arytmetyczne</th><th colspan="3">Wynik</th></tr> <tr> <td></td><td></td><td></td><td>3 =</td><td>3,000</td><td></td></tr> <tr> <td></td><td></td><td></td><td>Razem =</td><td>3,000</td><td>szt</td></tr> </table> | | | | | | Opis pozycji obmiaru | / | wyrażenie arytmetyczne | Wynik | | | | | | 3 = | 3,000 | | | | | Razem = | 3,000 | szt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Opis pozycji obmiaru | / | wyrażenie arytmetyczne | Wynik | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 3 = | 3,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Razem = | 3,000 | szt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Opis czynnika R,M,S | Norma | J.m. | Cena jedn. RMS | Wartość RMS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Robocizna | 0,72000 | r-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wysięgnik h=1m i dł. 1,0m | 1,00000 | szt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Materiały pomocnicze | 2,50 | % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Środek transportowy (1) | 0,06000 | m-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Podnośnik montażowy PMH samochodowy (1) | 0,37000 | m-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | KNNR 005-1004-02-00 MRRiB Montaż opraw oświetlenia zewnętrznego - na wysięgnikach oprawa LED 55W | 3,000 szt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Opis pozycji obmiaru | / | wyrażenie arytmetyczne | Wynik | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 3 = | 3,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Razem = | 3,000 | szt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Opis czynnika R,M,S | Norma | J.m. | Cena jedn. RMS | Wartość RMS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Robocizna | 0,72000 | r-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| oprawa LED 55W | 1,00000 | szt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Materiały pomocnicze | 2,50 | % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Środek transportowy (1) | 0,06000 | m-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Podnośnik montażowy PMH samochodowy (1) | 0,41000 | m-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Budowa oświetlenia ulicznego w miejscowości Gulczewko dz. 2 ark. 1 obręb Gulczewko gmina Września
2. Linia kablowa nn 0,4kV - zasilanie słupa oświetleniowego

Str. 7

| Lp. | Podstawa kalkulacji / opis pozycji | Ilość | J.m. | Cena jednostkowa | Wartość [zł] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------|------------------|----------------|----------------------|-------|------------------------|----------------|-------------|-----------|---------|---------|--|--|------------------------------------------|-------------|-----|--|--|------------------------------|---------|-----|--|--|--------------------------------------------|---------|-----|--|--|-------------------------|---------|-----|--|--|
| 27 | KNNR 005-1003-02-00 MRRiB Montaż przewodów do opraw oświetleniowych, przez wciąganie w słupy, rury osłonowe i wysięgniki, przy wysokości latarni: 7 m | 3,000 kpl | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table><tr><th>Opis pozycji obmiaru</th><th>/</th><th>wyrażenie arytmetyczne</th><th>Wynik</th></tr><tr><td></td><td></td><td>3 =</td><td>3,000</td></tr><tr><td></td><td></td><td>Razem =</td><td>3,000 kpl</td></tr></table> | | | | | | Opis pozycji obmiaru | / | wyrażenie arytmetyczne | Wynik | | | 3 = | 3,000 | | | Razem = | 3,000 kpl | | | | | | | | | | | | | | | | | | |
| Opis pozycji obmiaru | / | wyrażenie arytmetyczne | Wynik | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 3 = | 3,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Razem = | 3,000 kpl | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Opis czynnika R,M,S | Norma | J.m. | Cena jedn. RMS | Wartość RMS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Robocizna | 1,38000 | r-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| przewód YDY 3x2,5mm2 | 8,00000 | m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Materiały pomocnicze | 2,50 | % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Podnośnik montażowy PMH samochodowy (1) | 0,66000 | m-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | KNR 514-0604-01-00 Mocowanie tabliczek opisowych: przykręcanych | 3,000 szt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table><tr><th>Opis pozycji obmiaru</th><th>/</th><th>wyrażenie arytmetyczne</th><th>Wynik</th></tr><tr><td></td><td></td><td>3 =</td><td>3,000</td></tr><tr><td></td><td></td><td>Razem =</td><td>3,000 szt</td></tr></table> | | | | | | Opis pozycji obmiaru | / | wyrażenie arytmetyczne | Wynik | | | 3 = | 3,000 | | | Razem = | 3,000 szt | | | | | | | | | | | | | | | | | | |
| Opis pozycji obmiaru | / | wyrażenie arytmetyczne | Wynik | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 3 = | 3,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Razem = | 3,000 szt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table><tr><th>Opis czynnika R,M,S</th><th>Norma</th><th>J.m.</th><th>Cena jedn. RMS</th><th>Wartość RMS</th></tr><tr><td>Robocizna</td><td>0,13370</td><td>r-g</td><td></td><td></td></tr><tr><td>Tabliczki ostrzegawcze z blachy stalowej</td><td>1,00000</td><td>szt</td><td></td><td></td></tr><tr><td>Materiały pomocnicze</td><td>2,50</td><td>%</td><td></td><td></td></tr></table> | | | | | | Opis czynnika R,M,S | Norma | J.m. | Cena jedn. RMS | Wartość RMS | Robocizna | 0,13370 | r-g | | | Tabliczki ostrzegawcze z blachy stalowej | 1,00000 | szt | | | Materiały pomocnicze | 2,50 | % | | | | | | | | | | | | |
| Opis czynnika R,M,S | Norma | J.m. | Cena jedn. RMS | Wartość RMS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Robocizna | 0,13370 | r-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tabliczki ostrzegawcze z blachy stalowej | 1,00000 | szt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Materiały pomocnicze | 2,50 | % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | KNNR 005-1006-01-00 MRRiB Montaż: tablic bezpiecznikowych wnąkowych TB1 | 3,000 szt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table><tr><th>Opis pozycji obmiaru</th><th>/</th><th>wyrażenie arytmetyczne</th><th>Wynik</th></tr><tr><td></td><td></td><td>3 =</td><td>3,000</td></tr><tr><td></td><td></td><td>Razem =</td><td>3,000 szt</td></tr></table> | | | | | | Opis pozycji obmiaru | / | wyrażenie arytmetyczne | Wynik | | | 3 = | 3,000 | | | Razem = | 3,000 szt | | | | | | | | | | | | | | | | | | |
| Opis pozycji obmiaru | / | wyrażenie arytmetyczne | Wynik | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 3 = | 3,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Razem = | 3,000 szt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table><tr><th>Opis czynnika R,M,S</th><th>Norma</th><th>J.m.</th><th>Cena jedn. RMS</th><th>Wartość RMS</th></tr><tr><td>Robocizna</td><td>7,46000</td><td>r-g</td><td></td><td></td></tr><tr><td>tabliczka bezpiecznikowa TB1</td><td>1,00000</td><td>szt</td><td></td><td></td></tr><tr><td>wkładka bezpiecznikowa Bi 6A</td><td>1,00000</td><td>szt</td><td></td><td></td></tr><tr><td>Materiały pomocnicze</td><td>2,50</td><td>%</td><td></td><td></td></tr><tr><td>Środek transportowy (1)</td><td>0,03000</td><td>m-g</td><td></td><td></td></tr></table> | | | | | | Opis czynnika R,M,S | Norma | J.m. | Cena jedn. RMS | Wartość RMS | Robocizna | 7,46000 | r-g | | | tabliczka bezpiecznikowa TB1 | 1,00000 | szt | | | wkładka bezpiecznikowa Bi 6A | 1,00000 | szt | | | Materiały pomocnicze | 2,50 | % | | | Środek transportowy (1) | 0,03000 | m-g | | |
| Opis czynnika R,M,S | Norma | J.m. | Cena jedn. RMS | Wartość RMS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Robocizna | 7,46000 | r-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| tabliczka bezpiecznikowa TB1 | 1,00000 | szt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| wkładka bezpiecznikowa Bi 6A | 1,00000 | szt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Materiały pomocnicze | 2,50 | % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Środek transportowy (1) | 0,03000 | m-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | KNNR 005-0602-04-00 MRRiB Montaż przewodów uziemiających i wyrównawczych wykonanych z bednarki ocynkowanej o przekroju do 120 mm2: ułożonych luzem | 113,000 m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table><tr><th>Opis pozycji obmiaru</th><th>/</th><th>wyrażenie arytmetyczne</th><th>Wynik</th></tr><tr><td></td><td></td><td>113 =</td><td>113,000</td></tr><tr><td></td><td></td><td>Razem =</td><td>113,000 m</td></tr></table> | | | | | | Opis pozycji obmiaru | / | wyrażenie arytmetyczne | Wynik | | | 113 = | 113,000 | | | Razem = | 113,000 m | | | | | | | | | | | | | | | | | | |
| Opis pozycji obmiaru | / | wyrażenie arytmetyczne | Wynik | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 113 = | 113,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Razem = | 113,000 m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table><tr><th>Opis czynnika R,M,S</th><th>Norma</th><th>J.m.</th><th>Cena jedn. RMS</th><th>Wartość RMS</th></tr><tr><td>Robocizna</td><td>0,10500</td><td>r-g</td><td></td><td></td></tr><tr><td>Bednarka stalowa ocynkowana</td><td>1,04000</td><td>m</td><td></td><td></td></tr><tr><td>Materiały pomocnicze</td><td>2,50</td><td>%</td><td></td><td></td></tr><tr><td>Spawarka elektr.transformatorkowa do 500 A</td><td>0,02940</td><td>m-g</td><td></td><td></td></tr></table> | | | | | | Opis czynnika R,M,S | Norma | J.m. | Cena jedn. RMS | Wartość RMS | Robocizna | 0,10500 | r-g | | | Bednarka stalowa ocynkowana | 1,04000 | m | | | Materiały pomocnicze | 2,50 | % | | | Spawarka elektr.transformatorkowa do 500 A | 0,02940 | m-g | | | | | | | |
| Opis czynnika R,M,S | Norma | J.m. | Cena jedn. RMS | Wartość RMS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Robocizna | 0,10500 | r-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bednarka stalowa ocynkowana | 1,04000 | m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Materiały pomocnicze | 2,50 | % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spawarka elektr.transformatorkowa do 500 A | 0,02940 | m-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | KNNR 005-0606-05-00 MRRiB Montaż metodą udarową uziomu ze stali profilowanej, w gruncie: kat.III - długość uziomu 4,5 m | 3,000 uziom | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table><tr><th>Opis pozycji obmiaru</th><th>/</th><th>wyrażenie arytmetyczne</th><th>Wynik</th></tr><tr><td></td><td></td><td>3 =</td><td>3,000</td></tr><tr><td></td><td></td><td>Razem =</td><td>3,000 uziom</td></tr></table> | | | | | | Opis pozycji obmiaru | / | wyrażenie arytmetyczne | Wynik | | | 3 = | 3,000 | | | Razem = | 3,000 uziom | | | | | | | | | | | | | | | | | | |
| Opis pozycji obmiaru | / | wyrażenie arytmetyczne | Wynik | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 3 = | 3,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Razem = | 3,000 uziom | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Opis czynnika R,M,S | Norma | J.m. | Cena jedn. RMS | Wartość RMS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Robocizna | 1,28000 | r-g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Uziomy prętowe 16 mm | 4,50000 | m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Budowa oświetlenia ulicznego w miejscowości Gulczewko dz. 2 ark. 1 obręb Gulczewko gmina Września
2. Linia kablowa nn 0,4kV - zasilanie słupa oświetleniowego

Str. 8

| Lp. | Podstawa kalkulacji / opis pozycji | Ilość | J.m. | Cena jednostkowa | Wartość [zł] |
|-----|-------------------------------------------------------------------------------------------|--------------|-------------|-----------------------|--------------------|
| | Uchwyt krzyżowy o śred. 16 mm | 1,00000 | szt | | |
| | Grot stalowy 16 mm | 1,00000 | szt | | |
| | Materiały pomocnicze | 2,50 | % | | |
| | Wibromłot elektr. lub spalin. do 3kW [4KM] | 0,75000 | m-g | | |
| | Środek transportowy (1) | 0,75000 | m-g | | |
| | Zespół prądotwórczy 1-faz. przenośny 2,5kVA | 0,75000 | m-g | | |
| 32 | KNNR 005-1304-01-00 MRRiB | 3,000 | szt | | |
| | Badania i pomiary instalacji uziemienia ochronnego lub roboczego: - pierwszy pomiar | | | | |
| | Opis pozycji obmiaru / wyrażenie arytmetyczne | | | Wynik | |
| | | | | 3 = | 3,000 |
| | | | | Razem = | 3,000 szt |
| | Opis czynnika R,M,S | Norma | J.m. | Cena jedn. RMS | Wartość RMS |
| | Robocizna | 1,24000 | r-g | | |
| 33 | KNNR 005-1304-02-00 MRRiB | 3,000 | szt | | |
| | Badania i pomiary instalacji uziemienia ochronnego lub roboczego: - każdy następny pomiar | | | | |
| | Opis pozycji obmiaru / wyrażenie arytmetyczne | | | Wynik | |
| | | | | 3 = | 3,000 |
| | | | | Razem = | 3,000 szt |
| | Opis czynnika R,M,S | Norma | J.m. | Cena jedn. RMS | Wartość RMS |
| | Robocizna | 0,56000 | r-g | | |
| 34 | KNNR 005-1302-03-00 MRRiB | 3,000 | odc | | |
| | Badanie linii kablowej: niskiego napięcia - kabel 4-żyłowy | | | | |
| | Opis pozycji obmiaru / wyrażenie arytmetyczne | | | Wynik | |
| | | | | 3 = | 3,000 |
| | | | | Razem = | 3,000 odc |
| | Opis czynnika R,M,S | Norma | J.m. | Cena jedn. RMS | Wartość RMS |
| | Robocizna | 1,80000 | r-g | | |

3 Projekt organizacji ruchu

| | | | | | |
|----|---------------------------|-------|-----|-------|-------|
| 35 | Projekt organizacji ruchu | 1,000 | kpl | | |
|----|---------------------------|-------|-----|-------|-------|

4 Wytyczenie i geodezja powykonawcza

| | | | | | |
|----|------------------------------------|-------|-----|-------|-------|
| 36 | Wytyczenie i geodezja powykonawcza | 1,000 | kpl | | |
|----|------------------------------------|-------|-----|-------|-------|

Wartość kosztorysowa robót

Inwestor :

Wykonawca :

Budowa oświetlenia ulicznego w miejscowości Gulczewko dz. 2 ark. 1 obręb Gulczewko gmina Września

Budowa : Kosztorysy

Obiekt : Gulczewko dz. 2 ark. 1 obręb Gulczewko gmina Września

NAKLADY RMS

Data: 2016-10-26

Str. 1

| Lp. | Alt. | Gr. / Symbol KMB / Producent | Inw. | Opis czynnika R,M,S | Ilość | J.m. |
|-----|------|------------------------------|------|---------------------|-------|------|
|-----|------|------------------------------|------|---------------------|-------|------|

Robocizna

| | | | | |
|----|-----|-----------|-----------|-----|
| 1. | 999 | Robocizna | 244,84980 | r-g |
|----|-----|-----------|-----------|-----|

| | | |
|---------------------------|------------------|------------|
| Nakład robocizny : | 244,84980 | r-g |
|---------------------------|------------------|------------|

Materiały

| | | | | |
|-----|---------|-------------------------------------------------------------|-----------|-----|
| 1. | 1034799 | Wazeliny techniczne | 0,10500 | kg |
| 2. | 1121099 | Bednarka stalowa ocynkowana | 118,56000 | m |
| 3. | 1560199 | Folie PVC | 47,88000 | m2 |
| 4. | 1601799 | Piaski do nawierzchni drogowych | 12,76800 | m3 |
| 5. | 7011999 | zabezpieczenie S301C 6A | 2,06000 | szt |
| 6. | 7051020 | szafka oświetleniowa SO zgodnie z rys. E-2 | 1,00000 | kpl |
| 7. | 7051020 | zegar astronomiczny | 1,00000 | kpl |
| 8. | 7058300 | tabliczka bezpiecznikowa TB1 | 3,00000 | szt |
| 9. | 7301999 | oprawa LED 55W | 3,00000 | szt |
| 10. | 7341399 | Wysięgnik h=1m i dł. 1,0m | 3,00000 | szt |
| 11. | 7590812 | Uziomy prętowe 16 mm | 19,50000 | m |
| 12. | 7590857 | Uchwyt krzyżowy o śred.16 mm | 4,00000 | szt |
| 13. | 7590872 | Grot stalowy 16 mm | 4,00000 | szt |
| 14. | 7620520 | Końcówki kablowe do zapras., K 25 mm2 | 32,00000 | szt |
| 15. | 7648099 | Opaski kablowe instalacyjne (OKI) | 20,15000 | szt |
| 16. | 7660199 | Uchwyty kablowe uniwersalne (UKU) | 8,00000 | szt |
| 17. | 7959999 | przewód YDY 3x2,5mm2 | 24,00000 | m |
| 18. | 7960155 | Kabel elektroenerg.alum.YAKY 4x 25;0,6/1kV | 134,16000 | m |
| 19. | 8110199 | fundament betonowy | 3,00000 | szt |
| 20. | 8110199 | Słup ośmiokątny 7m, ocynkowany ogniowo, grubość ścianki 3mm | 3,00000 | szt |
| 21. | 8190601 | Słupki oznaczeniowe SO | 1,71000 | szt |
| 22. | 8311099 | wkładka bezpiecznikowa Bi 6A | 3,00000 | szt |
| 23. | 8380199 | Tabliczki ostrzegawcze z blachy stalowej | 4,00000 | szt |

Sprzęt

| | | | | |
|-----|-------|--------------------------------------------|---------|-----|
| 1. | 11111 | Kop.-spych.lub kop.-ładow. 0,15 (1) | 0,21000 | m-g |
| 2. | 12622 | Ubijak spalinowy 200 kg | 4,92480 | m-g |
| 3. | 21811 | Wibromłot elektr.lub spalin.do 3kW [4KM] | 3,16000 | m-g |
| 4. | 31100 | Żuraw samochodowy (1) | 0,75900 | m-g |
| 5. | 39000 | Środek transportowy (1) | 5,58910 | m-g |
| 6. | 39100 | Ciągnik kołowy (1) | 0,57900 | m-g |
| 7. | 39810 | Samochód samowyładowczy (1) | 1,82400 | m-g |
| 8. | 39811 | Samochód samowyładowczy do 5 t (1) | 2,84760 | m-g |
| 9. | 39912 | Podnośnik montażowy PMH samochodowy (1) | 4,32000 | m-g |
| 10. | 39970 | Przyczepa do przewożenia kabli | 0,57900 | m-g |
| 11. | 72121 | Spawarka elektr.transformatorowa do 500 A | 3,35160 | m-g |
| 12. | 81111 | Zespół prądotwórczy 1-faz.przenośny 2,5kVA | 3,16000 | m-g |

UWAGA: Zestawienie obejmuje wyłącznie czynniki RMS występujące w pozycjach kosztorysu sporządzonych metodą szczegółową.

--- Koniec wydruku zestawienia nakładów R, M, S ---