

Table 3

LIST OF QUARTZ SANDS FOR PRODUCTION OF CELLULAR CONCRETE AND LIME-SAND BRICK DEPOSITS – thousand m<sup>3</sup>

|   | Name of deposit          | The state of development | Resources            |                  | Output        | County                 |
|---|--------------------------|--------------------------|----------------------|------------------|---------------|------------------------|
|   |                          |                          | anticipated economic | economic         |               |                        |
| <b>QUARTZ SANDS FOR PRODUCTION OF CELLULAR CONCRETE</b>         |                          |                          |                      |                  |               |                        |
| <b>Total number of deposits: 59</b>                             |                          |                          | <b>144,082.33</b>    | <b>19,326.48</b> | <b>333.59</b> |                        |
| <b>dolnośląskie voivodeship<br/>number of deposits: 2</b>       |                          |                          | <b>5,746.38</b>      | <b>3,151.82</b>  | <b>20.77</b>  |                        |
| 1   | Postolin                 | E                        | 5,355.63             | 2,761.07         | 20.77         | milicki                |
| 2   | Sułów                    | T                        | 390.75               | 390.75           | -             | milicki                |
| <b>kujawsko-pomorskie voivodeship<br/>number of deposits: 4</b> |                          |                          | <b>14,339.43</b>     | <b>-</b>         | <b>-</b>      |                        |
| 1   | Grupa Dolna              | P                        | 8,937.43             | -                | -             | świecki                |
| 2   | Przyłubie Krajeńskie     | R                        | 1,266.00             | -                | -             | bydgoski               |
| 3   | Solec Kujawski           | R                        | 1,105.00             | -                | -             | bydgoski               |
| 4   | Wymiary Dolne - Podwiesk | P                        | 3,031.00             | -                | -             | chełmiński             |
| <b>lubelskie voivodeship<br/>number of deposits: 11</b>         |                          |                          | <b>19,085.04</b>     | <b>992.84</b>    | <b>33.95</b>  |                        |
| 1   | Brzeziny                 | P                        | 2,148.93             | -                | -             | lubartowski            |
| 2   | Brzeziny-1               | R                        | 1,137.25             | -                | -             | lubartowski            |
| 3   | Długi Kąt II             | R                        | 509.00               | -                | -             | tomaszowski            |
| 4   | Futymówka                | P                        | 9,486.00             | -                | -             | biłgorajski            |
| 5   | Gołęb                    | Z                        | antic.<br>subecon.   | -                | -             | puławski               |
| 6   | Gołęb 1                  | Z                        | 11.12                | -                | -             | puławski               |
| 7   | Józefów                  | E                        | 817.57               | 817.57           | 15.87         | biłgorajski            |
| 8   | Lubartów                 | Z                        | 3,010.00             | -                | -             | lubartowski            |
| 9   | Pardysówka               | R                        | 797.00               | -                | -             | biłgorajski            |
| 10  | Puławy                   | E                        | 175.27               | 175.27           | 18.08         | puławski               |
| 11  | Zapłocie                 | P                        | 992.90               | -                | -             | lubartowski            |
| <b>lubuskie voivodeship<br/>number of deposits: 2</b>           |                          |                          | <b>9,113.00</b>      | <b>-</b>         | <b>-</b>      |                        |
| 1   | Dzikowice                | P                        | 5,986.00             | -                | -             | żagański               |
| 2   | Sarbiewo                 | R                        | 3,127.00             | -                | -             | strzelecko-drezdenecki |
| <b>łódzkie voivodeship<br/>number of deposits: 7</b>            |                          |                          | <b>16,208.12</b>     | <b>1,128.67</b>  | <b>20.34</b>  |                        |
| 1   | Dylów Szlachecki         | P                        | 1,846.00             | -                | -             | pajęczański            |
| 2   | Męcka Wola II            | R                        | 1,905.34             | 471.93           | -             | sieradzki              |
| 3   | Mierzyn                  | E                        | 2,053.94             | 656.74           | 20.34         | piotrkowski            |
| 4   | Patoki                   | P                        | 3,920.00             | -                | -             | łaski                  |
| 5   | Skrzynki-Małecz          | P                        | 1,446.00             | -                | -             | tomaszowski            |
| 6   | Zaosie-Bronisławów       | P                        | 2,984.84             | -                | -             | tomaszowski            |
| 7   | Żagliny                  | P                        | 2,052.00             | -                | -             | łaski                  |
| <b>małopolskie voivodeship<br/>number of deposits: 1</b>        |                          |                          | <b>2,582.00</b>      | <b>-</b>         | <b>-</b>      |                        |
| 1   | Lubasz-Podkościótek      | P                        | 2,582.00             | -                | -             | dąbrowski              |
| <b>mazowieckie voivodeship<br/>number of deposits: 7</b>        |                          |                          | <b>13,446.07</b>     | <b>1,696.88</b>  | <b>5.60</b>   |                        |
| 1   | Kupnice Laskowiec        | R                        | 854.00               | -                | -             | ostrołęcki             |
| 2   | Mostówka                 | P                        | 5,553.00             | -                | -             | wyszkowski             |
| 3   | Paplin-Borzychy          | P                        | 2,010.00             | -                | -             | węgrowski              |
| 4   | Przygody                 | E                        | 1,513.40             | 1,513.40         | 0.18          | siedlecki              |
| 5   | Raciąż                   | R                        | 2,519.00             | -                | -             | płoński                |
| 6   | Wola Suchożebrska        | E                        | 207.02               | 183.48           | 5.42          | siedlecki              |
| 7   | Wola Suchożebrska I      | R                        | 789.65               | -                | -             | siedlecki              |

|   | Name of deposit          | The state of development | Resources            |                  | Output        | County                                   |
|---|--------------------------|--------------------------|----------------------|------------------|---------------|--|
|   |                          |                          | anticipated economic | economic         |               |  |
| <b>opolskie voivodeship</b><br>number of deposits: 2            |                          |                          | <b>4,689.00</b>      | -                | -             |  |
| 1   | Jastrzębie               | P                        | 2,547.00             | -                | -             | namysłowski                              |
| 2   | Wierzbica                | P                        | 2,142.00             | -                | -             | kluczborski                              |
| <b>podkarpackie voivodeship</b><br>number of deposits: 3        |                          |                          | <b>3,752.55</b>      | -                | -             |  |
| 1   | Głogów Małopolski        | Z                        | 100.55               | -                | -             | rzeszowski                               |
| 2   | Nowa Grobla              | P                        | 2,190.00             | -                | -             | lubaczowski                              |
| 3   | Zaklików-Zdziechowice    | P                        | 1,462.00             | -                | -             | stalowowlowski                           |
| <b>podlaskie voivodeship</b><br>number of deposits: 2           |                          |                          | <b>6,889.76</b>      | -                | -             |  |
| 1   | Osowiec                  | R                        | 5,914.00             | -                | -             | moniecki                                 |
| 2   | Śniadowo                 | Z                        | 975.76               | -                | -             | łomżyński                                |
| <b>pomorskie voivodeship</b><br>number of deposits: 2           |                          |                          | <b>17,678.59</b>     | <b>6,970.00</b>  | <b>116.48</b> |  |
| 1   | Sadlinki                 | P                        | 5,479.00             | -                | -             | kwidzyński                               |
| 2   | Studzienice              | E                        | 12,199.59            | 6,970.00         | 116.48        | bytowski                                 |
| <b>świętokrzyskie voivodeship</b><br>number of deposits: 4      |                          |                          | <b>4,175.39</b>      | <b>809.70</b>    | <b>16.10</b>  |  |
| 1   | Miny Czarnca             | P                        | 2,357.00             | -                | -             | włoszczowski                             |
| 2   | Sędziszów                | R                        | 567.00               | -                | -             | jędrzejowski                             |
| 3   | Żeliszewice              | Z                        | 441.70               | -                | -             | włoszczowski                             |
| 4   | Żeliszewice I            | E                        | 809.69               | 809.70           | 16.10         | włoszczowski                             |
| <b>warmińsko-mazurskie voivodeship</b><br>number of deposits: 6 |                          |                          | <b>10,950.33</b>     | <b>1,180.32</b>  | <b>60.79</b>  |  |
| 1   | Lidzbark Welski          | E                        | 3,302.37             | 1,124.22         | 42.47         | działdowski                              |
| 2   | Łukta                    | P                        | 3,564.00             | -                | -             | ostródzki                                |
| 3   | Niegocin                 | Z                        | 717.00               | -                | -             | giżycki                                  |
| 4   | Niegocin II              | E                        | 2,594.83             | 56.10            | 4.20          | giżycki                                  |
| 5   | Pierkunowo               | P                        | 750.00               | -                | -             | giżycki                                  |
| 6   | Wilkaski                 | E                        | 22.13                | -                | 14.12         | giżycki                                  |
| <b>wielkopolskie voivodeship</b><br>number of deposits: 4       |                          |                          | <b>10,293.57</b>     | <b>3,396.25</b>  | <b>59.56</b>  |  |
| 1   | Dęby Szlacheckie         | R                        | 4,090.14             | -                | -             | kolski                                   |
| 2   | Drawsko                  | P                        | 1,550.00             | -                | -             | czarnkowsko-trzcianecki                  |
| 3   | Piła-Jezioro Piaszczyste | E                        | 3,238.67             | 2,970.49         | 29.35         | czarnkowsko-trzcianecki                  |
| 4   | Tuchorza                 | E                        | 1,414.76             | 425.76           | 30.21         | wolsztyński                              |
| <b>zachodniopomorskie voivodeship</b><br>number of deposits: 2  |                          |                          | <b>5,133.10</b>      | -                | -             |  |
| 1   | Łobez                    | P                        | 3,737.00             | -                | -             | łobeski                                  |
| 2   | Łozienica (Kliniska)     | Z                        | 1,396.10             | -                | -             | goleniowski                              |
| <b>QUARTZ SANDS FOR PRODUCTION OF LIME-SAND BRICK</b>           |                          |                          |                      |                  |               |  |
| <b>Total number of deposits: 105</b>                            |                          |                          | <b>268,630.22</b>    | <b>18,510.31</b> | <b>519.05</b> |  |
| <b>dolnośląskie voivodeship</b><br>number of deposits: 4        |                          |                          | <b>16,008.20</b>     | -                | -             |  |
| 1   | Bystrzyca Oławska I      | R                        | 7,548.00             | -                | -             | oławski                                  |
| 2   | Godzikowice              | M                        | -                    | -                | -             | oławski                                  |
| 3   | Kozików                  | P                        | 5,070.00             | -                | -             | średzki                                  |
| 4   | Załęcze-Wodniki          | R                        | 3,390.20             | -                | -             | górowski                                 |
| <b>kujawsko-pomorskie voivodeship</b><br>number of deposits: 7  |                          |                          | <b>21,740.48</b>     | <b>2,189.68</b>  | <b>119.28</b> |  |
| 1   | Barcin                   | Z                        | 1,848.00             | -                | -             | żniński                                  |
| 2   | Barcin-Piechcin-Pakość   | E                        | 2,279.87             | 1,479.27         | 71.75         | inowrocławski,<br>mogileński,<br>żniński |
| 3   | Lubaty-Aleksandrynow     | P                        | 3,968.00             | -                | -             | włocławski                               |

|   | Name of deposit     | The state of development | Resources            |                 | Output       | County                 |
|---|---------------------|--------------------------|----------------------|-----------------|--------------|------------------------|
|   |                     |                          | anticipated economic | economic        |              |                        |
| 4   | Opatowice-Radziejów | Z                        | 1,327.00             | -               | -            | radziejowski           |
| 5   | Smolniki            | P                        | 4,969.20             | -               | -            | nakielski              |
| 6   | Tuchola             | R                        | 6,638.00             | -               | -            | tucholski              |
| 7   | Zielonka-Trzciniec  | E                        | 710.41               | 710.41          | 47.53        | bydgoski               |
| <b>lubelskie voivodeship<br/>number of deposits: 13</b>   |                     |                          | <b>31,612.57</b>     | <b>605.40</b>   | <b>14.72</b> |                        |
| 1   | Bełzec              | E                        | 1,968.40             | 605.40          | 1.62         | tomaszowski            |
| 2   | Dyle                | E                        | 1,464.11             | -               | 7.64         | biłgorajski            |
| 3   | Hedwizyn            | R                        | 1,151.00             | -               | -            | biłgorajski            |
| 4   | Jedlanka II         | E                        | 264.87               | -               | 5.46         | łukowski               |
| 5   | Kanie-Liszno        | Z                        | 214.25               | -               | -            | chełmski               |
| 6   | Karczmiska          | R                        | 3,744.00             | -               | -            | opolski                |
| 7   | Krzywda             | R                        | 4,612.00             | -               | -            | łukowski               |
| 8   | Rachów              | P                        | 2,631.00             | -               | -            | kraśnicki              |
| 9   | Stężycza            | Z                        | 606.84               | -               | -            | rycki                  |
| 10  | Toruń               | R                        | 2,118.00             | -               | -            | chełmski               |
| 11  | Włodawa II          | P                        | 6,311.00             | -               | -            | włodawski              |
| 12  | Woskrzenice II      | R                        | 3,477.00             | -               | -            | białski                |
| 13  | Żdżary              | Z                        | 3,050.10             | -               | -            | łukowski               |
| <b>lubuskie voivodeship<br/>number of deposits: 3</b>     |                     |                          | <b>5,750.00</b>      | <b>-</b>        | <b>-</b>     |                        |
| 1   | Bojadła             | R                        | 348.00               | -               | -            | zielonogórski          |
| 2   | Murzynowo           | R                        | 4,823.00             | -               | -            | międzyrzecki           |
| 3   | Stare Kurowo        | Z                        | 579.00               | -               | -            | strzelecko-drezdenecki |
| <b>łódzkie voivodeship<br/>number of deposits: 9</b>      |                     |                          | <b>23,470.10</b>     | <b>908.25</b>   | <b>-</b>     |                        |
| 1   | Bibianów            | P                        | 1,967.10             | -               | -            | zgierski               |
| 2   | Kodrań              | P                        | 3,020.00             | -               | -            | pajęcząński            |
| 3   | Lubiec              | R                        | 3,534.00             | -               | -            | bełchatowski           |
| 4   | Marianów            | Z                        | 265.00               | -               | -            | m.Łódź                 |
| 5   | Męcka Wola          | P                        | 4,253.31             | -               | -            | sieradzki              |
| 6   | Rabień              | R                        | 100.00               | -               | -            | zgierski               |
| 7   | Świnice Warckie     | R                        | 2,449.00             | -               | -            | łęczycki               |
| 8   | Teodory II          | T                        | 1,420.69             | 908.25          | -            | pabianicki             |
| 9   | Wymysłów            | P                        | 6,461.00             | -               | -            | radomszczański         |
| <b>małopolskie voivodeship<br/>number of deposits: 1</b>  |                     |                          | <b>8,562.99</b>      | <b>3,051.60</b> | <b>49.59</b> |                        |
| 1   | Klucze              | E                        | 8,562.99             | 3,051.60        | 49.59        | olkuski                |
| <b>mazowieckie voivodeship<br/>number of deposits: 17</b> |                     |                          | <b>34,644.36</b>     | <b>3,394.88</b> | <b>88.22</b> |                        |
| 1   | Augustowo           | P                        | 4,978.00             | -               | -            | mławski                |
| 2   | Choszczówka         | Z                        | 8,821.00             | -               | -            | legionowski            |
| 3   | Dąbrówka            | Z                        | 1,019.05             | -               | -            | wołomiński             |
| 4   | Dąbrówka-Stany      | T                        | 23.81                | -               | -            | siedlecki              |
| 5   | Grabowo-Kruki       | E                        | 1,955.11             | 1,181.56        | 24.36        | ostrołęcki             |
| 6   | Grabowo-Kruki II    | T                        | 1,658.70             | 1,658.70        | -            | ostrołęcki             |
| 7   | Lesiów-Wincentów    | E                        | 424.57               | 315.90          | 29.17        | m.Radom                |
| 8   | Malarz              | P                        | 6,102.00             | -               | -            | ostrołęcki             |
| 9   | Raciąż - Pole S     | R                        | 437.90               | -               | -            | płoński                |
| 10  | Radzymin            | R                        | 2,358.00             | -               | -            | wołomiński             |
| 11  | Sadowne             | Z                        | 1,121.97             | -               | -            | węgrowski              |
| 12  | Sadowne I           | R                        | 284.46               | -               | -            | węgrowski              |
| 13  | Wieliszew           | Z                        | 2,636.00             | -               | -            | legionowski            |
| 14  | Wieliszew I         | E                        | 207.73               | 207.73          | 20.36        | legionowski            |
| 15  | Żytkowice           | Z                        | 2,474.42             | -               | -            | kozienicki             |
| 16  | Żytkowice 1         | E                        | 110.65               | -               | 14.33        | kozienicki             |
| 17  | Żytkowice 2         | T                        | 30.99                | 30.99           | -            | kozienicki             |

|   | Name of deposit        | The state of development | Resources            |                 | Output       | County                  |
|---|------------------------|--------------------------|----------------------|-----------------|--------------|-------------------------|
|   |                        |                          | anticipated economic | economic        |              |                         |
| <b>opolskie voivodeship</b><br>number of deposits: 2            |                        |                          | <b>10,879.06</b>     | <b>2,617.06</b> | <b>15.15</b> |                         |
| 1   | Jełowa                 | E                        | 3,927.06             | 2,617.06        | 15.15        | opolski                 |
| 2   | Jełowa II              | P                        | 6,952.00             | -               | -            | opolski                 |
| <b>podkarpackie voivodeship</b><br>number of deposits: 6        |                        |                          | <b>15,986.57</b>     | <b>210.34</b>   | <b>11.73</b> |                         |
| 1   | Dziewięcierz           | R                        | 4,369.00             | -               | -            | lubaczowski             |
| 2   | Giedlarowa II          | Z                        | 418.10               | -               | -            | leżajski                |
| 3   | Kulno-rej.Leżajska     | E                        | 1,719.40             | 210.34          | 11.73        | leżajski                |
| 4   | Lipa I                 | Z                        | 1,596.07             | -               | -            | stalowowolski           |
| 5   | Przychojec             | R                        | 2,627.00             | -               | -            | leżajski                |
| 6   | Zaklików-Irena         | P                        | 5,257.00             | -               | -            | stalowowolski           |
| <b>podlaskie voivodeship</b><br>number of deposits: 7           |                        |                          | <b>16,442.34</b>     | <b>150.26</b>   | <b>11.22</b> |                         |
| 1   | Czaplino-Barszczewo    | P                        | 2,163.19             | -               | -            | białostocki             |
| 2   | Mońki-Żodzie           | E                        | 370.93               | 150.26          | 11.22        | moniecki                |
| 3   | Podgórze               | P                        | 8,652.00             | -               | -            | łomżyński               |
| 4   | Szczebra III           | E                        | 93.52                | -               | -            | augustowski             |
| 5   | Śniadowo               | R                        | 427.70               | -               | -            | łomżyński               |
| 6   | Tartak Nowy            | Z                        | 4,735.00             | -               | -            | zambrowski              |
| 7   | Wasilków-Białystok     | M                        | -                    | -               | -            | m.Białystok             |
| <b>pomorskie voivodeship</b><br>number of deposits: 4           |                        |                          | <b>10,147.22</b>     | <b>1,277.57</b> | <b>23.67</b> |                         |
| 1   | Kielpino-Kartuzy       | Z                        | 431.40               | -               | -            | kartuski                |
| 2   | Sadlinki-Biała         | P                        | 6,766.00             | -               | -            | kwidzyński              |
| 3   | Słupsk II              | E                        | 759.20               | 759.20          | 7.20         | m.Słupsk                |
| 4   | Szlachta               | E                        | 2,190.62             | 518.37          | 16.47        | starogardzki            |
| <b>śląskie voivodeship</b><br>number of deposits: 1             |                        |                          | <b>4,365.00</b>      | <b>-</b>        | <b>-</b>     |                         |
| 1   | Ogrodzieniec           | P                        | 4,365.00             | -               | -            | zawierciański           |
| <b>świętokrzyskie voivodeship</b><br>number of deposits: 6      |                        |                          | <b>6,489.48</b>      | <b>194.12</b>   | <b>21.47</b> |                         |
| 1   | Czostków               | E                        | 365.92               | 194.12          | 21.47        | włoszczowski            |
| 2   | Karsy                  | P                        | 3,441.00             | -               | -            | opatowski               |
| 3   | Ludynia                | Z                        | 378.00               | -               | -            | włoszczowski            |
| 4   | Niwiska                | R                        | 740.00               | -               | -            | włoszczowski            |
| 5   | Szczybiec              | Z                        | 1,534.00             | -               | -            | pińczowski              |
| 6   | Wąchock                | Z                        | 30.56                | -               | -            | starachowicki           |
| <b>warmińsko-mazurskie voivodeship</b><br>number of deposits: 6 |                        |                          | <b>14,802.34</b>     | <b>1,611.46</b> | <b>84.35</b> |                         |
| 1   | Łława II               | E                        | 2,882.25             | 434.45          | 57.22        | łławski                 |
| 2   | Jeże                   | P                        | 6,395.00             | -               | -            | piski                   |
| 3   | Lidzbark Welski        | Z                        | 148.90               | -               | -            | działdowski             |
| 4   | Mingajny               | P                        | 3,598.00             | -               | -            | lidzbarski              |
| 5   | Pasym                  | E                        | 1,095.63             | 854.53          | 27.13        | szczycieński            |
| 6   | Pisz                   | T                        | 682.56               | 322.48          | -            | piski                   |
| <b>wielkopolskie voivodeship</b><br>number of deposits: 6       |                        |                          | <b>17,612.94</b>     | <b>1,717.19</b> | <b>76.20</b> |                         |
| 1   | Buczek Mały - Czyżkowo | T                        | 870.15               | 841.65          | -            | złotowski               |
| 2   | Przysieczyn II         | R                        | 864.00               | -               | -            | wągrowiecki             |
| 3   | Romanowo Dolne         | P                        | 10,978.00            | -               | -            | czarnkowsko-trzcianecki |
| 4   | Sienno                 | E                        | 499.88               | 83.74           | 29.25        | wągrowiecki             |
| 5   | Wieleń                 | Z                        | 257.51               | -               | -            | czarnkowsko-trzcianecki |
| 6   | Żabinko                | E                        | 4,143.40             | 791.80          | 46.95        | pozański                |
| <b>zachodniopomorskie voivodeship</b><br>number of deposits: 13 |                        |                          | <b>30,116.57</b>     | <b>582.50</b>   | <b>3.45</b>  |                         |
| 1   | Barlinek               | Z                        | 1,023.93             | -               | -            | myśliborski             |
| 2   | Kielpino-Suliszewo     | R                        | 9,729.00             | -               | -            | choszczeński            |

|    | Name of deposit | The state of development | Resources            |          | Output | County       |
|----|-----------------|--------------------------|----------------------|----------|--------|--------------|
|    |                 |                          | anticipated economic | economic |        |              |
| 3  | Łęknica         | T                        | 3,485.73             | 548.00   | -      | szczecinecki |
| 4  | Łobez I         | R                        | 659.10               | -        | -      | łobeski      |
| 5  | Łobez II        | Z                        | 34.50                | 34.50    | -      | łobeski      |
| 6  | Manowo          | P                        | 5,437.00             | -        | -      | koszaliński  |
| 7  | Radosław        | Z                        | 28.60                | -        | -      | goleniowski  |
| 8  | Słonowice       | R                        | 1,187.00             | -        | -      | świdwiński   |
| 9  | Trąbki          | Z                        | 298.29               | -        | -      | stargardzki  |
| 10 | Trąbki I        | E                        | 11.34                | -        | 3.45   | stargardzki  |
| 11 | Troszczyno      | R                        | 353.00               | -        | -      | łobeski      |
| 12 | Wałcz           | Z                        | 138.08               | -        | -      | wałecki      |
| 13 | Wicimice        | P                        | 7,731.00             | -        | -      | gryficki     |

\* - used as raw material with low quality for cement production

Accepted abbreviations:

**B** - for solid minerals - mine in building process, for fuels - prepared for exploitation or trial period of the exploitation

**E** - exploited

**G** - underground natural gas storage facilities

**M** - deposit crossed out of the annual report of mineral resources during analyzed period

**P** - deposit covered by preliminary exploration (in C<sub>2</sub>+D category, for fuels – in C category)

**R** - deposit covered by detailed exploration (in A+B+C<sub>1</sub> category, for fuels – in A+B category)

**Z** - abandoned deposit

**T** - deposit exploited temporarily

**K** - change of the raw material in deposit