

The credit facility provides for certain customary representations and warranties, affirmative covenants, notice provisions and events of default, including change of control and cross-defaults to other debt, as well as restrictions on payment of dividends, acquisitions and disposals and certain other transactions.

The credit facility agreement is governed by Russian law.

***Sale and Purchase Agreement for the Elga Coal Complex***

On April 21, 2020, we entered into a sale and purchase agreement with A-Property 000 for the disposal of 50.9990202673% stake in Elgaugol 000, a 51% stake in Elga-road 000 and a 51% stake in MecheltransVostok 000 for RUB 89 billion paid in cash. All proceeds from disposal of the Elga coal complex were used by the group to reduce its debt level and partially repay indebtedness.

The sale and purchase agreement is governed by Russian law and contains certain provisions relating to transaction closing, customary representations and warranties and notice provisions.

**Exchange Controls**

The Federal Law No. 173-FZ “On Currency Regulation and Currency Control,” effective from June 18, 2004, as amended, sets forth certain restrictions on settlements between residents of Russia with respect to transactions involving foreign securities (including ADSs), including requirements for settlement in Russian rubles.

***Repatriation of Export Proceeds***

Russian companies must repatriate 100% of their receivables from the export of goods and services and/or the provision of loans (with a limited number of exceptions concerning, in particular, certain types of secured financing) within the time frame provided under the respective agreement.

***Restrictions on Remittance to Non-residents***

The Foreign Investments Law guarantees foreign investors the right to repatriate their earnings from Russian investments. However, the evolving Russian exchange control regime may affect investors’ ability to do so in the future. See “Item 3. Key Information – Risk Factors – Risks Relating to the Russian Federation” and “Item 3. Key Information – Risk Factors – Risks Relating to Our Shares and ADSs and the Trading Market.” In addition, ADSs may be sold by non-residents of Russia for U.S. dollars outside of Russia without regard to Russian currency control laws so long as the buyer is not a Russian resident for currency control purposes.

**Taxation**

The following discussion is not intended as tax advice to any particular investor. No opinion of counsel will be issued with respect to the following discussion and, therefore, such discussion is not based on an opinion of counsel. It is also not a complete analysis or listing of all potential U.S. federal or Russian income and withholding tax consequences of ownership of shares or ADSs. We urge such holders to consult their tax advisers regarding the specific U.S. federal, state and local and Russian tax consequences of the ownership and disposition of the shares or ADSs, including their eligibility for the benefits of a double tax treaty between the Russian Federation and their country of residence, in light of their particular facts and circumstances, as well as the applicability and effect of state, regional and local tax laws and foreign tax law.

**Russian Income and Withholding Tax Considerations**

The following is a summary of certain Russian tax considerations relevant to payments to Russian resident and non-resident holders of the shares and ADSs and to the purchase, ownership and disposition of the shares and

ADSSs by Russian resident and non-resident holders. This summary is based on the laws of Russia in effect as of the date of this document. The discussion with respect to Russian legislation is based on our understanding of current Russian law and tax rules, which are subject to frequent change and varying interpretations.

This summary does not seek to address the applicability of, and procedures in relation to, taxes levied by the regions, municipalities or other non-federal level authorities of the Russian Federation. Nor does the summary seek to address the availability of double tax treaty relief, and it should be noted that there might be practical difficulties involved in claiming relief under an applicable double tax treaty. You should consult your own professional advisers regarding the tax consequences of investing in the shares and ADSSs. No representations with respect to the Russian tax consequences to any particular holder are made hereby.

The Russian tax rules applicable to ADSSs are characterized by uncertainties and by an absence of special provisions with respect to transactions involving ADSSs. Both the substantive provisions of Russian tax law and the interpretation and application of those provisions by the Russian authorities may be subject to more rapid and unpredictable change than in a jurisdiction with more developed capital markets and a more developed taxation system. In particular, the interpretation and application of such provisions will in practice rest substantially with local tax inspectors.

For the purposes of this summary, a "Russian resident holder" means: (1) an individual holder of the shares and ADSSs, actually present in the Russian Federation for 183 days or more in 12 consecutive months; or (2) an organization recognized as a tax resident of the Russian Federation, namely (i) an organization or an individual entrepreneur, organized under Russian law, (ii) a foreign organization recognized as a tax resident of the Russian Federation in accordance with the international tax treaty of the Russian Federation, and (iii) a foreign organization which place of management is the Russian Federation, unless otherwise provided by the international tax treaty of the Russian Federation; or (3) an organization, organized under a foreign law, that holds and disposes of the shares and ADSSs through its permanent establishment in Russia. Individual presence in Russia is not considered interrupted if an individual departs for short periods (less than six months) for the purpose of medical treatment or education, as well as for the performance of labor or other duties related to the execution of work or services at offshore raw hydrocarbon deposits.

For the purposes of this summary, a "non-resident holder" is a holder of the shares or ADSSs which is not qualified to be a Russian resident holder as defined in the previous paragraph.

#### ***Taxation of acquisition of the shares and ADSSs***

No Russian tax implications should arise for holders of the shares and ADSSs upon purchase of the shares and ADSSs. However, starting from 2015, Russian resident holders are required to notify tax authorities about their participation in Russian organizations (in case of direct participation interests in excess of 10%) not later than one month from the date of commencement of such participation. In addition, under certain conditions a taxable material gain may arise for individuals if the shares and ADSSs are purchased at a price below the deemed market value. Also, in certain circumstances, a Russian resident holder that is an organization acquiring the shares or ADSSs is obliged to act as a tax agent to withhold income tax on proceeds from the sale of the shares or ADSSs to be transferred to a non-resident holder disposing such shares or ADSSs taking into account existing double tax treaties with the jurisdiction of the non-resident holder. We urge such holders to consult their tax advisers regarding specific tax consequences of acquisition of the shares or ADSSs.

#### ***Taxation of dividends***

A Russian company that pays dividends is generally obliged to act as a tax agent to withhold tax on the dividends and remit the amount of tax due to the Russian Federation state budget. In some cases, tax agent's functions are performed by other legal entities. However, the applicable withholding tax rate will depend on the status of the dividend's recipient and on the availability with the Russian company paying dividends on the date

of such payment of documents confirming the status of the tax resident of the respective state (country) in relation to the recipient of income.

#### *Russian resident holders*

##### **Shares**

Dividends paid to a Russian resident holder of the shares that is a Russian organization or an individual will be generally subject to Russian withholding tax at the rate of 13%. Dividends received by Russian organizations are subject to withholding tax at the rate of 0% provided that the recipient organization constantly owns for a period of 365 calendar days or more at least 50% of participation shares in the share capital of the paying organization or share depositary receipts qualifying for dividends equal to at least 50% of the total amount of dividends paid by the organization. However, it is difficult to predict how the Russian tax authorities may interpret the conditions listed above. Therefore, there can be no assurance that the 0% withholding tax rate will apply.

The effective rate of this tax may be lower than 13% owing to the fact that generally this tax should be calculated by multiplying the basic tax rate (13%) by the difference between (i) the dividends to be distributed by us to our shareholders, and (ii) dividends collected by us in the current and preceding tax periods from other Russian persons (except for dividends which under the current Russian tax law are taxable at the rate of 0%, dividends received from foreign organizations, the actual source of payment of which are Russian organizations, to which the taxpayer has the actual right and to which the rate of 0% is applied, dividends received from a foreign organization to which the taxpayer has the actual right in accordance with the Russian Tax Code, as well as, with effect from 2022, dividends, to which the tax rate of less than 13% is applied under the relevant double tax treaty, and provided that the amount of dividends was not previously included when determining the amount of tax in respect of income received by a Russian organization in the form of dividends).

Since January 1, 2021, for Russian resident holders of shares that are individuals, the tax rate may exceed 13% if the total amount of certain income paid to them (including dividends) exceeds 5 million rubles. In this case, the tax will be 650 thousand rubles and 15% of the amount of income exceeding 5 million rubles.

Since 2014, when paying dividends in respect of shares that are recorded on depo account of foreign nominee holder and depo account of foreign authorized holder, the tax should be calculated and withheld by the depositary (tax agent), which opened these accounts. Effective from January 1, 2014, the reduced tax rate of 0% does not apply on dividend payments for such shares. Under Russian law, the general rate of 13% is applied, subject to the submission of certain information to the tax agent. If such information has not been submitted to the tax agent in the prescribed manner and in a certain period of time, the tax rate of 15% is applied.

A holder that is a foreign organization holding shares through a permanent establishment in Russia is entitled to pay this tax to the Russian budget on its own behalf (i.e., without a Russian entity that distributes the dividends to such holder acting as a tax agent for withholding tax) if such holder provides the Russian entity that acts as the Russian tax agent with specific documentary evidence confirming dividend income is attributable to a permanent establishment of the holder in Russia. Such evidence includes a notarized copy of the form confirming registration of the holder with the Russian tax authorities.

Dividends paid to a Russian establishment of a foreign organization are taxable at a rate which is set based on non-discrimination provisions of a double tax treaty between Russia and the country of tax residence of the respective foreign organization. As the Russian Tax Code does not specifically provide for the application by the Russian establishment of a foreign organization of a rate of 0% in respect of received dividends, it is not possible to guarantee the application of this rate.

Since 2019, income in the form of property (property rights) received by a shareholder of an organization upon withdrawal from the organization or when distributing the property of the liquidated organization among its

shareholders in an amount exceeding the actually paid (regardless of the form of payment) share price is treated as dividends. For the purposes of income taxation, Russian organizations recognize property at a market value in the above cases. In case of a loss, such loss may be included in expenses when calculating corporate income tax.

From January 1, 2021 to December 31, 2023, organizations that are tax residents of the Russian Federation can apply the 0% tax rate if such organizations have the actual right to receive income in the form of dividends and indirectly own the Russian organization that paid dividends, subject to the following conditions: (1) the share of indirect ownership of an organization recognized as a tax resident of the Russian Federation and having the actual right to dividends in the equity (share) capital (fund) of a Russian organization that pays dividends is at least 50%; (2) the amount of dividends, the actual right to which has an organization recognized as a tax resident of the Russian Federation, is at least 50% of the total amount of distributed dividends; and (3) within 180 days from the date of payment of dividends by a Russian organization, income from passive activity is credited to the accounts of an organization recognized as a tax resident of the Russian Federation and having the actual right to dividends in the amount equal to or exceeding the amount of dividends paid, the actual right to which is held by an organization recognized as a tax resident of the Russian Federation, net of corporate income tax withheld in the Russian Federation.

#### **ADSSs**

There are uncertainties in relation to withholding tax on dividends payable to Russian resident holders of ADSSs primarily because the taxation of dividends payable under ADSSs is not specifically addressed under Russian tax law.

Effective from January 1, 2014, so as to apply the tax rate of 13% when paying dividends under ADSSs to residents the tax agent must be submitted with certain information in the prescribed manner and in a certain period of time. If such information has not been submitted to the tax agent, the tax rate of 30% is applied. Thus, starting from 2014, the tax agent may be obliged to withhold tax at the rate of 30% (due to the absence of the required information) and Russian holders of ADSSs may be unable to use the rate of 13% provided by Russian tax law for residents.

Upon receiving dividends, Russian holders which are organizations may be required to pay additional Russian income tax at the rate of 13% (the rate applied to dividends received from non-residents) or 20% (if the income received will not be recognized as dividends) while Russian holders who are individuals may be required to pay Russian personal income tax at the rate of 13%. There is also no established procedure providing for the refund of tax withheld from dividends payable through the depository to Russian resident holders of ADSSs. Accordingly, Russian residents are urged to consult their own tax advisers regarding the tax treatment of the purchase, ownership and disposition of the ADSSs.

Since January 1, 2021, for Russian resident holders of ADSSs that are individuals, the tax rate may exceed 13% if the total amount of certain income paid to them (including dividends) exceeds 5 million rubles. In this case, the tax will be 650 thousand rubles and 15% of the amount of income exceeding 5 million rubles.

A holder of the ADSSs that is a foreign organization conducting its business through a permanent establishment in Russia is entitled to pay this tax to the Russian budget on its own behalf (i.e., without a Russian entity that distributes the dividends to such holder acting as a tax agent for withholding tax) if such holder provides the Russian entity that acts as the Russian tax agent with specific documentary evidence confirming dividend income is attributable to a permanent establishment of the holder in Russia. Such evidence includes a notarized copy of the form confirming registration of the holder with the Russian tax authorities.

#### ***Non-resident holders***

Russia participates in the international automatic exchange of financial information with the competent authorities of foreign states (territories). As part of this exchange, the organizations of the Russian financial

market, including professional securities market participants engaged in brokerage and/or securities management and/or depositary activities, are obliged to send information about clients, their beneficiaries and controlling parties who are foreign tax residents to the Russian tax service. Special attention is given to individuals whose account balance exceeds \$1 million or the equivalent of such amount in another currency and legal entities with a capital over \$250 thousand or the equivalent of such amount in another currency.

#### **Shares**

Dividends paid to non-resident holders of shares will generally be subject to Russian withholding tax, which the tax agent will withhold. Under Russian law dividends paid to a non-resident holder which is an organization or individual will be subject to Russian withholding tax at the rate of 15%. Withholding tax on dividends may be generally reduced under the terms of a double tax treaty between the Russian Federation and the country of tax treaty residence of a non-resident holder of the shares.

Since 2014, when paying dividends in respect of shares issued by Russian organizations that are recorded on depo account of foreign nominee holder, depo account of foreign authorized holder and/or depo account of depositary programs, the tax should be calculated and withheld by the depositary (tax agent), which opened these accounts. Effective from January 1, 2014, the reduced tax rate established in accordance with certain provisions of the double tax treaty does not apply on dividend payments under such shares. The general rate established by such treaty and not accounting for benefits or the rate of 15% provided by Russian law are applied, subject to the submission of certain information to the tax agent.

Thus, starting from 2014, the tax agent is obliged to withhold tax at the general rate established by the tax treaty or at the rate of 15% (in the absence of the tax treaty) and non-resident holders of shares may be unable to benefit from the tax treaty. Although non-resident holders of shares may apply for a refund of a portion of the tax withheld under an applicable tax treaty, the procedure to do so may be time-consuming and no assurance can be given that the Russian tax authorities will grant a refund.

Since 2019, income in the form of property (property rights) received by a shareholder of an organization upon withdrawal from the organization or when distributing the property of the liquidated organization among its shareholders in an amount exceeding the actually paid (regardless of the form of payment) share price is treated as dividends.

From January 1, 2021 to December 31, 2023, the 0% rate can be applied by foreign organizations that have independently recognized themselves as tax residents of the Russian Federation, provided that certain conditions are met: (1) the foreign organization receiving dividends for at least 365 calendar days continuously owns of at least 50% contribution (stakes) in the equity (share) capital (fund) of the organization paying dividends or depositary receipts giving the right to receive dividends in the amount equal to at least 50% of the total amount of dividends paid by the organization; (2) the state (territory) of state registration of the foreign organization receiving dividends and the foreign organization paying dividends (if applicable) is not included in the list of states and territories approved by the Ministry of Finance of the Russian Federation that provide a preferential tax treatment and/or do not provide for the disclosure and provision of information during financial transactions (offshore zones); and (3) dividends are credited to the foreign organization's accounts with Russian banks.

#### **ADSS**

Comments provided in the previous section (see “– Taxation of dividends – Non-resident holders – Shares”) are also applicable to ADSSs. Effective from January 1, 2014, the reduced tax rate established in accordance with certain provisions of the double tax treaty does not apply on dividend payments under ADSSs. The general rate established by such treaty and not accounting for benefits or the rate of 15% provided by

Russian law are applied, subject to the submission of certain information to the tax agent. If such information has not been submitted to the tax agent in the prescribed manner and in a certain period of time, a tax rate of 30% is applied.

Thus, starting from 2014, the tax agent is obliged to withhold tax at the general rate established by the tax treaty or at the rate of 15% (in the absence of the tax treaty) or at the rate of 30% (in the absence of the required information) and non-resident holders of ADSs may be unable to benefit from the tax treaty. Although non-resident holders of ADSs may apply for a refund of a portion of the tax withheld under an applicable tax treaty, the procedure to do so may be time-consuming and no assurance can be given that the Russian tax authorities will grant a refund. See “– Tax treaty procedures” below.

The dividends taxation rate may be reduced to 10% under the United States-Russia income tax treaty for U.S. non-resident holders. Under current regulations, authorization from the Russian tax authorities is not required to allow the tax agent to withhold tax at a reduced rate under applicable double tax treaties provided that all other requirements are met. See “– Tax treaty procedures.”

If the tax agent is not submitted with the prescribed by the tax legislation information, it will be obliged to withhold tax at the rate of 30%. In this case, U.S. holders qualifying for a reduced rate under the United States-Russia income tax treaty may claim a refund from the Russian tax authorities/tax agents, depending on the status of a holder, within three years, if otherwise is not provided for by the results of a mutual agreement procedure in accordance with the international tax treaty of the Russian Federation. There is significant uncertainty regarding the availability and timing of such refunds.

#### ***Taxation of capital gains***

The following sections summarize the taxation of capital gains in respect of the disposition of the shares and ADSs.

##### ***Russian resident holders***

As the Russian legislation related to taxation of capital gains derived by Russian resident holders (including organizations and individuals) in connection with ADSs is not entirely clear, we urge Russian residents to consult their own tax advisers regarding the tax treatment of the purchase, ownership and disposition of ADSs.

However, since 2015, Russian tax legislation does not recognize as a sale or other disposition of securities: (i) the cancellation of ADSs upon receipt of representing securities; (ii) the transfer of securities at placement of ADSs certifying the rights for represented securities.

##### **Organizations**

Capital gains arising from the sale of the shares and ADSs by a Russian resident holder that is an organization will be taxable at the regular Russian corporate income tax rate of 20%.

Since November 27, 2018, the sale of shares is taxable at a rate of 0% provided that there is a documentary evidence that on the date of sale of such shares they were continuously owned by Russian resident holders on the basis of the right of ownership or other proprietary right for more than five years, and provided that such shares constitute the charter capital of Russian organizations in which no more than 50% of assets directly or indirectly consist of immovable property located in Russia.

However, it should be noted that the determination of whether more than 50% of our assets consist of immovable property located in Russia is inherently factual and is made on an ongoing basis, and the relevant Russian legislation in this respect is not entirely clear. Hence, there can be no assurance that immovable property owned by us and located in Russia will not constitute more than 50% of the company's assets as at the date of the sale of shares by residents.

Russian tax legislation contains a requirement that a profit arising from activities connected with securities quoted on a stock exchange must be calculated and accounted for separately from a profit from activities connected with securities that are not quoted on a stock exchange and from other profits. Since 2015, income (expenses) from operations with securities quoted on a stock exchange is recorded in the general tax base in accordance with generally established procedures. Therefore, Russian resident holders may be able to apply losses arising in respect of the listed shares and ADSs in the current base for income tax.

As the taxation of capital gains from the sale of ADSs is not sufficiently defined in Russian tax legislation, we urge Russian residents to consult their own tax advisers regarding the tax treatment of the purchase, ownership and disposition of ADSs.

#### **Individuals**

Capital gains arising from the sale, exchange or other disposition of the shares and ADSs by individuals who are Russian resident holders must be declared on the holder's tax return and are subject to personal income tax at a rate of 13%.

Since January 1, 2021, for Russian resident holders of shares that are individuals, the tax rate may exceed 13% if the total amount of certain income paid to them (including capital gains arising from the sale, exchange or other disposition of the shares and ADSs) exceeds 5 million rubles. In this case, the tax will be 650 thousand rubles and 15% of the amount of income exceeding 5 million rubles.

Since November 27, 2018, the sale of shares by Russian individuals resident holders is not subject to personal income tax provided that there is a documentary evidence that on the date of sale of such shares they were continuously owned by Russian resident holders on the basis of the right of ownership or other proprietary right for more than five years, and provided that such shares constitute the charter capital of Russian organizations in which no more than 50% of assets directly or indirectly consist of immovable property located in Russia.

However, it should be noted that the determination of whether more than 50% of our assets consist of immovable property located in Russia is inherently factual and is made on an ongoing basis, and the relevant Russian legislation in this respect is not entirely clear. Hence, there can be no assurance that immovable property owned by us and located in Russia will not constitute more than 50% of the company's assets as at the date of the sale of shares by residents.

The income in respect of sale of the shares or ADSs by an individual is calculated as sale proceeds less documented expenses related to the purchase of these securities (including cost of securities and expenses associated with purchase, safe-keeping and sale of these securities).

Under Russian law, the acquisition value can be deducted by the source of the payment, if the sale was made by a holder through a professional trustee, dealer or broker that is a Russian organization or a foreign company with a permanent establishment in Russia. This professional trustee, dealer or broker should also act as a tax agent and withhold the applicable tax. Such a tax agent will be required to report to the Russian tax authorities the amount of income realized by the individual and tax withheld upon the sale of the shares and ADSs not later than on March 1 of the year following the reporting year.

Furthermore, according to certain conditions, individuals may have taxable material gain at the rate of 13% if the shares and ADSs are acquired at a price below conventional market value.

Since January 1, 2020, a Russian organization or individual entrepreneur that makes payments under securities sale and purchase (exchange) agreements may be deemed tax agent under Russian tax law.

As the taxation of capital gains from the sale of ADSs is not sufficiently defined in Russian tax legislation, we urge Russian residents to consult their own tax advisers regarding the tax treatment of the purchase, ownership and disposition of ADSs.

#### *Non-resident holders*

Since 2015, Russian tax legislation does not recognize as a sale or other disposition of securities: (i) the cancellation of ADSs upon receipt of representing securities; (ii) the transfer of securities at placement of ADSs certifying the rights for represented securities.

Russia participates in the international automatic exchange of financial information with the competent authorities of foreign states (territories). As part of this exchange, the organizations of the Russian financial market, including professional securities market participants engaged in brokerage and/or securities management and/or depositary activities, are obliged to send information about clients, their beneficiaries and controlling parties who are foreign tax residents to the Russian tax service. Special attention is given to individuals whose account balance exceeds \$1 million or the equivalent of such amount in another currency and legal entities with a capital over \$250 thousand or the equivalent of such amount in another currency.

#### **Organizations**

Capital gains arising from the sale, exchange or other disposition of the shares and ADSs by organizations that are non-resident holders should not be subject to tax in Russia if not more than 50% of our assets directly or indirectly consist of immovable property located in Russia. If more than 50% of our assets were to consist of immovable property located in Russia, organizations that are non-resident holders of the shares and ADSs should be subject (except as described below) to a 20% withholding tax on the gross proceeds from sale, exchange or other disposition of the shares and ADSs or 20% withholding tax on the difference between the sales, exchange or other disposition price and the acquisition costs of the shares and ADSs.

However, it should be noted that the determination of whether more than 50% of our assets consist of immovable property located in Russia is inherently factual and is made on an ongoing basis, and the relevant Russian legislation in this respect is not entirely clear. Hence, there can be no assurance that immovable property owned by us and located in Russia will not constitute more than 50% of the company's assets as at the date of the sale of shares and ADSs by non-residents. Certain international double tax treaties may provide for protection from the Russian taxation in such instances.

Where the shares and ADSs are sold by organizations being non-resident holders to persons being organizations recognized as tax residents of the Russian Federation, even if the resulting capital gain is considered taxable in Russia, there is currently no mechanism under which the purchaser will be able to withhold the tax and remit it to the Russian budget.

#### **Individuals**

The taxation of the income of non-resident individuals depends on whether the income is received from Russian or non-Russian sources. Russian tax law considers the place of sale as an indicator of source. Accordingly, the sale of the shares and ADSs outside of Russia by individuals who are non-resident holders should not be considered Russian source income and, therefore, should not be taxable in Russia. However, the Russian tax law gives no clear indication as to how the place of sale of the shares and ADSs should be defined in this respect. Therefore, the Russian tax authorities may have a certain amount of flexibility in concluding whether a transaction is within Russia or outside of Russia.

The sale, exchange or other disposal of the shares and ADSs by non-resident holders in Russia will be considered Russian source income and will be subject to tax at the rate of 30% on the difference between the



sales price and the acquisition value of such shares and ADSs as well as other documented expenses, such as depositary expenses and broker fees, among others. Under Russian law, the acquisition value can only be deducted by the source of the payment, if the sale was made by a non-resident holder through a professional trust manager, dealer or broker that is a Russian organization or a foreign company with a permanent establishment in Russia. Such professional trust manager, dealer or broker should also act as a tax agent and withhold the applicable tax. Such a tax agent will be required to report to the Russian tax authorities the amount of income realized by the non-resident individual and tax withheld upon the sale of the shares and ADSs not later than on March 1 of the year following the reporting year.

Otherwise, if the sale is made to other organizations and individuals, generally no withholding needs to be made and the non-resident holder will have an obligation to file a tax return, report his realized profit and apply for a deduction of acquisition expenses (which includes filing of support documentation).

Since January 1, 2020, a Russian organization or individual entrepreneur that makes payments under securities sale and purchase (exchange) agreements can be recognized as a tax agent.

In some circumstances, a non-resident holder may be exempt from Russian personal income tax on the sale, exchange or other disposition of the shares and ADSs under the terms of a double tax treaty between the Russian Federation and the country of residence of the non-resident holder. Under the United States-Russia income tax treaty, capital gains from the sale of the shares and/or ADSs by U.S. holders should be relieved from taxation in Russia, unless 50% or more of our assets (as the term “fixed assets” is used in the Russian version of the United States-Russia income tax treaty) were to consist of immovable property located in Russia. If this 50% threshold is not met, individuals who are U.S. holders may seek to obtain the benefit of the United States-Russia income tax treaty in relation to capital gains resulting from the sale, exchange or other disposition of the shares and/or ADSs.

In order to apply the provisions of relevant double tax treaties, the individual holders must submit documents as described in “– Tax treaty procedures” below.

#### ***Tax treaty procedures***

The Russian Tax Code does not contain a requirement that a non-resident holder that is an organization must obtain tax treaty clearance from the Russian tax authorities prior to receiving any income in order to qualify for benefits under an applicable tax treaty. However, a non-resident organization seeking to obtain relief from Russian withholding tax under a tax treaty must provide to a tax agent, before the income payment date, a confirmation of its tax treaty residence that complies with the applicable requirements in advance of receiving the relevant income. Starting from 2016, in order to apply the provisions of the international treaties of the Russian Federation, foreign organizations will also have to provide to the Russian organization which pays the income, before the income payment date, a confirmation that the foreign organization has an actual right to receive income (is a beneficiary owner of the income).

Starting from 2016, the rules of elimination of double taxation in respect of individuals act in a new version. A non-resident individual who derives income from a source in the Russian Federation in order to implement the provisions of international tax treaties will have to provide the tax agent on the income payment date a confirmation that an individual-recipient of income is a tax resident in the respective foreign country. In order to confirm the status of a tax resident an individual may use the passport of a foreign citizen or any other identification document, established by the federal law or recognized by the international treaty as such. If these documents do not make it possible to confirm the existence of an individual’s tax resident status of a foreign country with which the international treaty is concluded, the tax agent should also be provided with the official confirmation of this status. Such confirmation should be issued by the competent authority of the respective foreign country authorized to issue such confirmations on the basis of the international tax treaty of the Russian Federation. If such confirmation is in a foreign language, an individual provides a notarized translation into

Russian. It should be noted that the tax agent in the application of preferential provisions of the international treaty must submit to the tax authority at the place of its registration the information on foreign individuals, income paid to them from which tax had not been withheld on the basis of the international treaty, as well as the refund of the tax.

In order to apply the provisions of the international treaties of the Russian Federation, foreign organizations will have to provide to the tax agent which pays the income a confirmation that the foreign organization has a residence in the country with which the Russian Federation has the international tax treaty. Such confirmation should be certified by the competent authority of the respective foreign country. If such confirmation is in a foreign language, the tax agent should be provided with a translation into Russian. In addition, starting from 2016, foreign organizations will have to provide the tax agent which pays the income with a confirmation that the foreign organization has an actual right to receive income (is a beneficiary owner of the income).

Starting from January 1, 2020, international organizations established in accordance with international treaties of the Russian Federation are not required to provide confirmation of a permanent location. Such international organizations provide confirmation that they have the actual right to receive the relevant income.

In 2018, Russian legislation was amended in terms of confirming the actual right to receive income. The amendments apply to income payments made from January 1, 2018 and provide for a “pass-through approach” to identification of a party that has actual right to income. In accordance with this approach, if a foreign organization (foreign structure without forming a legal entity) that receives income recognizes a lack of actual right to receive such income, the provisions of the international treaties of the Russian Federation and/or the Russian Tax Code can be applied to another party if this party has actual right to such income, and, in case of income payment in the form of dividends, if this party directly and/or indirectly participates in the Russian organization that paid income in the form of dividends, with the submission of supporting documents to the tax agent which pays such income. Moreover, each subsequent party which directly participates in the party that recognized the lack of actual right to income in the form of dividends (in the respective sequence of participation) is entitled to recognize the actual right to such income.

The submission by the foreign organization of the above confirmations to the tax agent which pays the income before the income payment date constitutes grounds for an exemption of such income from withholding or withholding at reduced rates.

Since January 1, 2021, if a person who has the actual right to receive income in the form of dividends and indirectly owns the organization that paid income in the form of dividends is a tax resident of the Russian Federation, a rate of 13% may be applied to the tax base determined for income received in the form of dividends, provided that the required information (documents) is submitted to the tax agent which pays such income. At the same time, in the period from January 1, 2021 to December 31, 2023, for residents of the Russian Federation who have the actual right to dividends and indirectly own the paying organization, it remains possible to apply the 0% rate, subject to certain conditions. See “– Taxation of dividends.” The indirect participation of each subsequent person with the actual right to receive income in a Russian organization that pays income in the form of dividends is equivalent to direct participation in a Russian organization that pays income in the form of dividends.

In the absence of such information, the tax agent is not entitled to apply rates established in accordance with the terms of the double tax treaty between the Russian Federation and the country of residence of the non-resident holder, and will have to apply the rate of 15% or 30% in certain cases.

At the same time, Russian legislation does not contain a specific list of documents that can be used as a confirmation of both the actual right to receive income and the actual residence of the foreign organization, thereby admitting their ambiguous interpretation which may lead to an additional tax burden for the foreign organization.

If a non-resident holder that is an organization does not obtain double tax treaty relief at the time that income is received and tax is withheld by a Russian tax agent, the non-resident holder may apply for a refund within three years from the end of the tax period (a calendar year) in which the tax was withheld. To process a claim for a refund, the Russian tax authorities require (i) a confirmation of the tax treaty residence of the non-resident at the time the income was paid, (ii) an application for the refund of the tax withheld in a format provided by the Russian tax authorities, and (iii) copies of the relevant contracts under which the foreign entity received income as well as payment documents confirming the payment of the tax withheld to the Russian budget (Form 1012DT for dividends and interest and Form 1011DT for other income are designed by the Russian tax authorities to combine requirements (i) and (ii) specified above and recommended for application). The Russian tax authorities will require a Russian translation of the above documents if they are prepared in a foreign language. The refund of the tax withheld should be granted within one month of the filing of the above set of documents with the Russian tax authorities. However, procedures for processing such claims have not been clearly established, and there is significant uncertainty regarding the availability and timing of such refunds. Since 2020, the tax refund period may be different as determined by the results of a mutual agreement procedure in accordance with the international tax treaty of the Russian Federation.

Since 2014, in respect of dividend payments on shares (including represented by ADSs) that are recorded on depo account of foreign nominee holder, depo account of foreign authorized holder and depo account of depository programs, a general rate established by the double tax treaty and not accounting for benefits is applied. Refund of the overpaid tax is made to the taxpayer upon the submission to the tax authorities of the documents mentioned above, as well as the following documents: (i) document confirming the ownership of shares by the taxpayer on the date determined by the decision of the Russian company on payment of income, (ii) document confirming the amount of income actually received on shares, (iii) documents containing information about the depository, which transferred the income on shares in favor of a foreign organization (management company), which lawfully carried out the record of rights to shares held by the taxpayer, and (iv) document confirming that the legal entity, which carried out the record of rights of share ownership on the date determined by the decision of the Russian company on payment of income, complied with additional conditions provided by Russian tax legislation or international double tax treaty for the application of the reduced tax rate when paying dividends on shares. Due to the fact that these regulations entered into force only on January 1, 2014, the practice of such refunds have not been established yet, and that is why it is not possible to exclude risks associated with a possible non-refund of the tax withheld.

A resident of the United States who is fully eligible for benefits under the United States-Russia income tax treaty is referred to in this "Russian Income and Withholding Tax Considerations" section as a "U.S. holder." Subject to certain provisions of the United States-Russia income tax treaty relating to limitations on benefits, a person generally will be a resident of the United States for treaty purposes and entitled to treaty benefits if such person is:

- liable, under the laws of the United States, for U.S. federal income tax (other than taxes in respect only of income from sources in the United States or capital situated therein) by reason of the holder's domicile, residence, citizenship, place of incorporation, or any other similar criterion (and, for income derived by a partnership, trust or estate, residence is determined in accordance with the residence of the person liable to tax with respect to such income); and
- not also a resident of the Russian Federation for purposes of the United States-Russia income tax treaty.

The benefits under the United States-Russia income tax treaty discussed in this document generally are not available to United States persons who hold shares or ADSs in connection with the conduct of a business in the Russian Federation through a permanent establishment as defined in the United States-Russia income tax treaty. Subject to certain exceptions, a United States person's permanent establishment under the United States-Russia income tax treaty is a fixed place of business through which such person carries on business activities in the Russian Federation (generally including, but not limited to, a place of management, a branch, an office and a

factory). Under certain circumstances, a United States person may be deemed to have a permanent establishment in the Russian Federation as a result of activities carried on in the Russian Federation through agents of the United States person. This summary does not address the treatment of those holders.

#### ***United States-Russia income tax treaty procedures***

Under current rules, to claim the benefit of a reduced rate of withholding under the United States-Russia income tax treaty, a non-resident generally must provide official certification from the U.S. tax authorities of eligibility for the treaty benefits in the manner required by Russian law.

A U.S. holder may obtain the appropriate certification by mailing completed forms, together with the holder's name, taxpayer identification number, the tax period for which certification is required, and other applicable information, to the U.S. Internal Revenue Service (the "**IRS**"). The procedures for obtaining certification are described in greater detail in the instructions to IRS Form 8802. As obtaining the required certification from the IRS may take at least six to eight weeks, U.S. holders should apply for such certification as soon as possible.

If tax is withheld by a Russian resident on dividends or other amounts at a rate different from that provided in the tax treaty, a U.S. holder may apply for a tax refund by filing a package of documents with the Russian local tax inspectorate to which the withholding tax was remitted within three years from the withholding date for U.S. holders which are legal entities, and within one year from the withholding date for individual U.S. holders. The package should include confirmations of residence of the foreign holder (IRS Form 6166), a copy of the agreement or other documents substantiating the payment of income, documents confirming the beneficial ownership of the dividends recipient and the transfer of tax to the budget. Under the provisions of the Russian Tax Code the refund of the tax should be effected within one month after the submission of the documents. However, procedures for processing such claims have not been clearly established, and there is significant uncertainty regarding the availability and timing of such refunds. Since 2020, the tax refund period may be different as determined by the results of a mutual agreement procedure in accordance with the international tax treaty of the Russian Federation.

Neither the depositary nor we will have any obligation to assist a U.S. holder of shares or ADSs with the completion and filing of any tax forms.

#### ***Stamp duty***

No Russian stamp duty will be payable by the holders upon any of the transactions with the shares or ADSs discussed in this section (e.g., on a purchase or sale of the shares or ADSs), except for transactions involving the receipt of the shares or ADSs by way of inheritance.

#### **Certain U.S. Federal Income Tax Considerations**

The following is a summary of material U.S. federal income tax consequences of the purchase, ownership and disposition of shares or ADSs by a "U.S. Holder." Solely for purposes of this "Certain U.S. Federal Income Tax Considerations" section, a U.S. Holder is a beneficial owner of shares or ADSs that is, for U.S. federal income tax purposes: (1) an individual who is a citizen or resident of the United States, (2) a corporation created or organized in or under the laws of the United States, any state thereof or the District of Columbia, (3) an estate the income of which is subject to U.S. federal income tax regardless of its source or (4) a trust, if a United States court can exercise primary supervision over the administration of the trust and one or more United States persons can control all substantial trust decisions, or if the trust has a valid election in effect under applicable U.S. Treasury Regulations to be treated as a United States person.

If an entity or arrangement treated as a partnership for U.S. federal income tax purposes is a beneficial owner of shares or ADSs, the U.S. federal income tax treatment of a partner in the partnership will generally

depend on the status of the partner and the activities of the partnership. A partner of a partnership holding shares or ADSs should consult its tax adviser regarding the associated tax consequences.

This summary does not discuss all aspects of U.S. federal income taxation that may be relevant to investors in light of their particular circumstances, such as investors subject to special tax rules (including, without limitation: (i) financial institutions; (ii) insurance companies; (iii) dealers in stocks, securities, or currencies or notional principal contracts; (iv) regulated investment companies; (v) real estate investment trusts; (vi) tax-exempt organizations; (vii) partnerships, pass-through entities, or persons that hold shares or ADSs through pass-through entities; (viii) holders that are not U.S. Holders; (ix) holders that own (directly, indirectly or constructively) 10% or more of our stock (by vote or value); (x) investors that hold shares or ADSs as part of a straddle, hedge, conversion, constructive sale or other integrated transaction for U.S. federal income tax purposes; (xi) investors that have a functional currency other than the U.S. dollar; (xii) persons subject to special tax accounting rules as a result of any item of gross income with respect to the shares or ADSs being taken into account in an applicable financial statement; and (xiii) U.S. expatriates and former long-term residents of the United States), all of whom may be subject to tax rules that differ significantly from those summarized below. This summary does not address tax consequences applicable to holders of equity interests in a holder of the shares or ADSs, including, but not limited to, U.S. federal estate, gift or alternative minimum tax considerations, or non-U.S., state or local tax considerations. This summary only addresses investors that will acquire shares or ADSs in an original offering, and it assumes that investors will hold their shares or ADSs as capital assets for U.S. federal income tax purposes (generally, property held for investment).

This summary is based upon current U.S. federal income tax law, including the U.S. Internal Revenue Code of 1986 (the “Code”), its legislative history, existing, temporary and proposed regulations thereunder, published rulings and court decisions, all of which are subject to differing interpretation or change (possibly with retroactive effect), and the United States-Russia income tax treaty, which is subject to change, possibly with retroactive effect. We have not sought, and will not seek, any ruling from the IRS or any opinion of counsel with respect to the tax consequences discussed below, and we cannot provide assurance that the IRS will not take a position contrary to the tax consequences discussed below or that any position taken by the IRS would not be sustained.

Investors should consult their tax advisers as to the consequences under U.S. federal, estate, gift, state, local and applicable non-U.S. tax laws of the purchase, ownership and disposition of shares or ADSs.

#### ***Ownership of ADSs in general***

U.S. Holders of ADSs should generally be treated for U.S. federal income tax purposes as owners of the underlying shares represented by those ADSs, assuming the relevant deposit agreement and any related agreement include customary representations and obligations (particularly relating to any pre-release of ADSs) and such representations and obligations are properly complied with. In such case, except as noted, the U.S. federal income tax consequences discussed below should apply equally to U.S. Holders of ADSs and shares, and no gain or loss will be recognized upon an exchange of an ADS for the share represented by that ADS. A U.S. Holder’s tax basis in such shares will be the same as the U.S. Holder’s tax basis in such ADSs, and the holding period in such shares will include the holding period in such ADSs.

#### ***Taxation of dividends on shares or ADSs***

Subject to the passive foreign investment company rules described below, for U.S. federal income tax purposes, the gross amount of a distribution, including any Russian withholding taxes, with respect to shares or ADSs will be treated as a taxable dividend to the extent of our current and accumulated earnings and profits, computed in accordance with U.S. federal income tax principles. Certain dividends received by non-corporate U.S. Holders may be taxed at the lower applicable capital gains rate. This lower capital gains rate is only applicable to dividends paid by “qualified foreign corporations” (which term excludes PFICs, as defined below)

and only with respect to shares or ADSs held for a minimum holding period (generally, 61 days during the 121-day period beginning 60 days before the ex-dividend date). A company will be a qualified foreign corporation if: (a) it is eligible for the benefits of an applicable United States income tax treaty; or (b) the stock with respect to which such dividend is paid is readily tradable on an established securities market in the United States. Non-corporate U.S. Holders are strongly urged to consult their tax advisers as to the applicability of the lower capital gains rate to dividends received with respect to shares or ADSs. Distributions in excess of our current and accumulated earnings and profits will be applied against and will reduce a U.S. Holder's tax basis in shares or ADSs and, to the extent in excess of such tax basis, will be treated as gain from a sale or exchange of such shares or ADSs and will be treated as described under "– Taxation on sale or other taxable disposition of shares or ADSs" below. We do not currently and do not intend to calculate our earnings and profits for U.S. federal income tax purposes and, unless we make such calculations, U.S. Holders should expect that any distributions with respect to shares or ADSs generally will be reported to them as a dividend, even if that distribution would otherwise be treated as a return of capital or as a capital gain pursuant to the rules described above. Such dividends will not be eligible for the dividends received deduction allowed to corporations.

If a dividend distribution is paid in rubles, the amount includible in income will be the U.S. dollar value of the dividend, calculated using the exchange rate in effect on the date the dividend is received by the U.S. Holder (or the date of the depository's receipt in the case of the ADSs), regardless of whether the payment is actually converted into U.S. dollars on that date. Generally, any gain or loss resulting from currency exchange rate fluctuations during the period from the date the dividend is includible in the income of the U.S. Holder to the date the rubles are converted into U.S. dollars will be treated as U.S. source ordinary income or loss. U.S. Holders may be required to recognize foreign currency gain or loss on the receipt of a refund of Russian withholding tax pursuant to the United States-Russia income tax treaty to the extent the U.S. dollar value of the refund differs from the U.S. dollar equivalent of that amount on the date of receipt of the underlying dividend.

Russian withholding tax under the United States-Russia income tax treaty should be treated as a foreign income tax that, subject to generally applicable limitations and conditions, is eligible for a U.S. foreign tax credit against the U.S. federal income tax liability of the U.S. Holder. If Russian tax is withheld at a rate in excess of the applicable rate under the United States-Russia income tax treaty for which a U.S. Holder qualifies, a U.S. foreign tax credit for the excess amount may not be allowed to be claimed.

For U.S. foreign tax credit purposes, a dividend distribution will be treated as foreign source income and will generally be classified as "passive category income." Additionally, a U.S. Holder who does not elect to claim a foreign tax credit may instead be eligible to claim a deduction for U.S. federal income tax purposes in respect of Russian withholding tax, but only for a year in which such holder elects to do so for all creditable foreign income taxes. The rules relating to the determination of the U.S. foreign tax credit, or deduction in lieu of the U.S. foreign tax credit, are complex and U.S. Holders should consult their tax advisers with respect to those rules.

#### ***Taxation on sale or other taxable disposition of shares or ADSs***

Subject to the passive foreign investment company rules described below, the sale or other taxable disposition of shares or ADSs will generally result in the recognition of gain or loss in an amount equal to the difference between the amount realized on the sale or other taxable disposition and the adjusted basis in such shares or ADSs. Such gain or loss generally will be treated as long-term capital gain or loss if the shares or ADSs have been held for more than one year as of the time of the sale or other taxable disposition. Capital gains of non-corporate U.S. Holders derived from capital assets held for more than one year are eligible for reduced rates of taxation. The deductibility of capital losses is subject to significant limitations.

Gain or loss realized on the sale or other disposition of shares or ADSs will generally be treated as U.S. source income and as a result any Russian taxes imposed upon such sale or other disposition may not be creditable against a U.S. Holder's U.S. federal income tax liability. U.S. Holders are strongly urged to consult

their tax advisers as to the availability of tax credits for any Russian taxes withheld on the sale or other disposition of shares or ADSs.

If a U.S. Holder receives any foreign currency on the sale or other taxable disposition of shares or ADSs, such U.S. Holder generally will realize an amount equal to the U.S. dollar value of such foreign currency on the settlement date of such sale or other taxable disposition if (1) such U.S. Holder is a cash basis or electing accrual basis taxpayer and the shares or ADSs are treated as being “traded on an established securities market” or (2) such settlement date is also the date of such sale or other taxable disposition. If the foreign currency so received is converted to U.S. dollars on the settlement date, such U.S. Holder should not recognize foreign currency gain or loss on such conversion. If the foreign currency so received is not converted into U.S. dollars on the settlement date, such U.S. Holder will have a basis in such foreign currency equal to its U.S. dollar value on the settlement date. Any gain or loss on a subsequent conversion or other taxable disposition of such foreign currency generally will be treated as ordinary income or loss to such U.S. Holder and generally will be income or loss from sources within the United States for U.S. foreign tax credit purposes. Each U.S. Holder should consult its tax adviser regarding the U.S. federal income tax consequences of receiving foreign currency from the sale or other disposition of shares or ADSs.

***Passive foreign investment company status***

A non-U.S. company is a passive foreign investment company (“PFIC”) in any taxable year in which, after taking into account the income and assets of certain subsidiaries, either (1) at least 75% of its gross income is passive income or (2) at least 50% of the average value of its assets (based on an average of the quarterly values of the assets) is attributable to assets that produce or are held to produce passive income. We believe that for U.S. federal income tax purposes, we were not a PFIC for the taxable year ending in 2021. However, the PFIC determination is made annually and may involve facts that are not within our control. In addition, there are special requirements that apply to income from the sale and ownership of commodities that need to be satisfied in order for amounts attributable to commodities to be treated as non-passive. If we were classified as a PFIC at any time that a U.S. Holder holds our ADSs or shares, such holder may be subject to materially adverse U.S. federal income tax consequences compared to an investment in a company that is not considered a PFIC, including being subject to greater amounts of U.S. tax on distributions and gains on the sale or other taxable disposition of the ADSs and shares as well as being subject to additional U.S. tax filing requirements. Additionally, dividends paid by the company to non-corporate U.S. Holders would not be eligible for the special reduced rate of tax described above under “– Taxation of dividends on shares or ADSs.” U.S. Holders should consult their tax advisers as to the consequences of an investment in a PFIC.

***Information reporting and backup withholding***

U.S. Holders may be subject to information and backup withholding on the payment of dividends on, and the proceeds received from the disposition of, shares or ADSs, unless: (1) the U.S. Holder is an exempt recipient, or (2) in the case of backup withholding, the U.S. Holder provides a correct taxpayer identification number and certifies that it is not subject to backup withholding. Backup withholding is not an additional tax. Amounts withheld as backup withholding may be credited against a U.S. Holder’s federal income tax liability, and a U.S. Holder may obtain a refund of any excess amounts withheld under the backup withholding rules by timely filing the appropriate claim for refund with the IRS and furnishing all required information. U.S. Holders should consult their tax advisers regarding their qualification for exemption from backup withholding and the procedure for obtaining such an exemption, if applicable.

***Documents on Display***

We are required to make certain filings with the SEC. The SEC maintains an internet website that contains reports, proxy statements and other information about issuers, like us, that file electronically with the SEC. The address of that site is [www.sec.gov](http://www.sec.gov).

We also make available on our website, free of charge, our Annual Reports on Form 20-F and the text of our reports on Form 6-K, including any amendments to these reports, as well as certain other SEC filings, as soon as reasonably practicable after they are electronically filed with or furnished to the SEC. Our website address is [www.mechel.com](http://www.mechel.com). The information contained on our website is not incorporated by reference in this document.

#### **Glossary**

***Blast furnace:*** A towering cylinder lined with heat-resistant (refractory) bricks, used by integrated steel mills to smelt pig iron from ore. Its name comes from the “blast” of hot air and gases forced up through the iron ore, coke and fluxing additions that load the furnace.

***Carbon steel:*** A type of steel generally having no specified minimum quantity of any alloying element and containing only an incidental amount of any element other than carbon, silicon, manganese, copper, sulfur and phosphorus.

***CIF:*** Cost, Insurance and Freight, a commercial term pursuant to which the seller must pay the costs, insurance and freight necessary to bring the goods to the named port of destination but the risk of loss or damage to the goods, as well as any additional costs due to events occurring after the time of delivery, are transferred from the seller to the buyer.

***Coils:*** Steel sheet that has been wound. A slab, once rolled in a hot-strip mill, can be more than one mile long; coils are the most efficient way to store and transport sheet steel.

***Continuous casting:*** A method of pouring steel directly from a ladle through a tundish into a special machine shaped to form billets and slabs. Continuous casting avoids the need for blooming mills for rolling billets into slabs. Continuous cast metal solidifies in a few minutes, versus several hours for an ingot. As a result of this, the chemical composition and mechanical properties of billets are more uniform.

***FCA:*** Free Carrier, a commercial term pursuant to which the seller must deliver the goods, cleared for export, to the carrier nominated by the buyer at the named place. Costs for transportation and risk of loss transfer to the buyer after delivery to the carrier.

***Flat-rolled steel/Flat products:*** Category of steel that includes sheet and strip, among others.

***FOB:*** Free on Board, a commercial term pursuant to which the buyer bears all costs and risks of loss or damage to the goods from the point the goods pass the ship’s rail at the named point of shipment.

***Galvanized steel:*** Steel coated with a layer of zinc to provide corrosion resistance in underbody auto parts, garbage cans, storage tanks, fencing wire, etc. Sheet steel normally must be cold-rolled prior to galvanizing. Galvanized steel is subdivided into hot-dipped galvanized and electrogalvanized steel.

***Hot-rolled:*** Section that is sold in its “as-produced” state off the hot mill with no additional treatment, aside from being pickled and oiled (if specified).

***Magnetic separator:*** A device used in a process when magnetically susceptible mineral is separated from gangue minerals by applying a strong magnetic field.

***Pipes:*** Tubes used to transport fluids or gases. Pipe and tube are often used interchangeably, with a given label applied primarily as a matter of historical use.

***Raw steel:*** Steel in primary form of hot molten metal.



*Rebar or Reinforcement bars:* Round rolled products of plain or die-rolled sections of various types and classes used to strengthen concrete in highway and building construction.

*Rolled steel (products):* Steel with certain forms and geometric dimensions manufactured by drafting metal between rotary rolls of rolling mills.

*Run-of-mine, or ROM, coal:* Coal that has not undergone the processes of classification and washing.

*Saleable coal:* Coal that has undergone the processes of classification and washing.

*Scrap (Ferrous):* Ferrous (iron-containing) material that generally is remelted and recast into new steel in EAFs. Integrated steel mills also use scrap metal for up to 25% of their basic oxygen furnace charge. Scrap metal includes waste steel generated from within metal-processing plants and steel mills through edge trimming and rejects.

*Sections:* Blooms or billets that are hot-rolled in a rolling mill to manufacture rounds, squares, strip, among other structural shapes, "L," "U," "T" or "I" shapes. Sections can also be produced by welding together pieces of flat products. Sections can be used for a wide variety of purposes in the construction, engineering and transport industries.

*Semi-finished steel:* Steel shapes (for example, blooms, billets or slabs) that later are rolled into finished products such as beams, bars or sheet.

*Sheet steel:* Thin, flat-rolled steel created in a hot-strip mill by rolling a cast slab flat while maintaining the side dimensions. The malleable steel lengthens to several thousand feet as it is squeezed by the rolling mill. The most common differences among steel bars, strip, plate and sheet are merely their physical dimensions of width and gauge (thickness).

*Sintering:* A process that combines iron-bearing particles into small chunks. Initially, these materials are too fine to withstand the air currents of the smelting process in the blast furnace and could be thrown away. The iron is now conserved in sinter as the chunks of sinter are heavier and therefore can be charged into the blast furnace.

*Slab:* The most common type of semi-finished steel. Traditional slabs measure 13-35 centimeters thick, 75-300 centimeters wide and are usually about 6-12 meters long, while the output of the recently developed "thin slab" casters is approximately five centimeters thick. After casting, slabs are sent to the hot-strip mill to be rolled into coiled sheet and plate products.

*Special steel:* Alloyed steel produced by the addition of various metals (e.g., manganese) in small quantities during the steelmaking process to improve mechanical properties such as strength and resistance to stress. Special steels are intermediary products between standard steel grades and stainless steel alloys (with a high content of nickel and chrome). Special steel products are typically used as long products (e.g., special bar quality, bearing steel, tool steel and high-speed steel).

*Tailings:* Material rejected from a mine after the valuable minerals have been recovered.

*Welded mesh:* Cold-rolled or drawn wire cuts of certain length welded together at specified distances in longitudinal and traverse directions into sheets of rectangular shapes.

*Wire rod:* Round, semi-finished steel that is rolled from a billet and coiled for further processing. Wire rod is commonly drawn into wire or used to tie bundles. Wire rod rolling mills (rolling facilities) can run as fast as 6,000 meters per minute.