Request for Information Iron Founding (Compacted Graphite Iron)

Company Name:
Contact Person (Surname, name, patronymic, and job position):



| Tel./Fax: | E-mail: | | | | | | | | | | |
|--|--------------------------------|--|--------------------------|--|--|--|--|--|--|--|--|
| Country: | City: | | | | | | | | | | |
| 1) Tasks to be tackled (please describe): | | | | | | | | | | | |
| □ to improve cast iron mechan □ to make the structure of iron □ to prevent formation of chil □ to produce compacted gran | appearance of gas- and shrinka | ing uneven wall thicknesse ion castings (edge hardnes | s | | | | | | | | |
| 2) Grade of irons being manufactured (choose one or several grades): | | | | | | | | | | | |
| □ EN-GJV-300 □ EN-GJV-350 □ EN-GJV-400 □ EN-GJV-450 | | | | | | | | | | | |
| ☐ Alloy cast irons (grades to be indicated)t | | | | | | | | | | | |
| 3) Smelting vessel: | | | | | | | | | | | |
| ☐ Induction furnace | ☐ Electric arc furnace | Cupola furnace | Other (to by indicated): | | | | | | | | |
| Capacity: | Capacity: | Capacity: | Capacity: | | | | | | | | |
| 4) Casting/molding method: | | | | | | | | | | | |
| ☐ green sand casting | | no-bake casting | | | | | | | | | |
| ☐ die casting | | pressure casting | | | | | | | | | |
| centrifugal casting | | shell mold casting | | | | | | | | | |
| ☐ investment casting | | □ lost foam casting | | | | | | | | | |
| continuous casting other technologies (to be indicated) | | | | | | | | | | | |
| 5) Molding equipment (describe its components indicating their make and model, clear dimensions of the mold boxes, production rate; if there are several sets of equipment available, information to be provided for each separately): | | | | | | | | | | | |
| make and model: | | mold box dimensions: | | | | | | | | | |

| 6.1) Capacities and types of available ladles: | | | | | | | | | | | |
|--|--|---|----------------|--|------------------------------|-------------|------------|--------------|------------------------------|--|--|
| | | | | | | | | | adle with sliding gate valve | | |
| □ t | eapot ladk | е [| tilting ladle | | stopper | ladle | two-si | topper ladle | C | | |
| - | acities: t | | 4 | | | + | | . | t | | |
| | ylindrical 1 | – ladle | ι | | | _L | | L | | | |
| | ymiaricari t | acic . | | | | | | | | | |
| | | _ | | | | | | | | | |
| 6.2) | Capacity | and type of | of ladle to be | used for | inoculation | (to be ind | licated): | t, | type | | |
| - | Vire feede Single strar | r: nd wire fee | der | ☐ Twin | strand wire | e feeder | | None | | | |
| 8) (| Casting(s) | requiring 1 | modification | (process | parameter | s for maki | ng irons): | | | | |
| - Ba | se iron ch | emical cor | nposition: | | | | | | | | |
| | | | | | F1 | <u> </u> | 0/ | | | | |
| | С | Si | Mn | S | P | Content, | % Al | Cu | | | |
| | | ~1 | 1,777 | ~ | | - 01 | 1 12 | | | | |
| - ter - ter - we - nu - mi - ma - ca | mperature eight of ca imber of c inimum w aximum w sting/molo | e of base ir e of iron be sting(s) astings in all thickne | | oped (to be into moule g; g(s) produc | ds (to be in pcs.; ced | dicated): _ | | | ; | | |
| 9.2) | Inoculan | t being use | d (manufact | turer's na | me, grade, | size fracti | on): | | | | |
| 9.3) | Duration | of pouring | g of the molt | en iron fo | llowing its | inoculatio | n: | | | | |
| □ 10 min. and less □ between 10 and 15 min. □ 15 min. and more | | | | | | | | | | | |
| 10) | 10) Residu | ual Mg cor | ntent in molt | en iron at | the time it | s pouring | into molds | is complete | ed: | | |
| \square 0.02% and less \square between 0.02 and 0.04% \square between 0.04 and 0.07% | | | | | | | | | | | |
| | oth | er (to be in | ndicated) | | | | | | | | |
| 11) | QA/QC: | | | | | | | | | | |
| | aboratory | for testing | molding ma | terials | ☐ Metallog | graphy labo | oratory | | | | |
| | Mechanica | l laborator | y | | NDE lat | | J | | | | |
| | Chemical la | aboratorv | | | | | | | | | |

Please send the completed data sheet to 151@nppgroup.ru