



THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

CQM has issued an IQNet recognized certificate that the organization:

Henan Zhongyuan Special Steel Equipment Manufacturing Co., Ltd.

for the following scope:

The energy management activities involved in production of special steel ingot/continuous casting billet, electroslag ingot and special steel parts for large equipment (limited mandrel, cast tube mold, die steel, metallurgical roll, high quality steel forging, oil drilling tool, wind turbine spindle, corrugated roll, hydraulic cylinder, fixed pressure vessel within the scope of qualification)

Information of sites refer to the attachment

Information of energy performance and boundaries refer to the attachment

has implemented and maintains a

Energy Management System

which fulfils the requirements of the following standard:

ISO 50001:2018

Issued on: 2022-05-09

First issued on: 2020-05-07

Expires on: 2023-05-06

This attestation is directly linked to the IQNet Partner's original certificate and shall not be used as a stand-alone document

Registration Number: CN-00220EN0117R0L



Alex Stoichitoiu
President of IQNet

Ji XiaoDong
General Manager of CQM



IQNet Partners*:

AENOR Spain AFNOR Certification France APCER Portugal CCC Cyprus CISQ Italy
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* The list of IQNet partners is valid at the time of issue of this certificate. Updated information is available under www.iqnet-certification.com



THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

CQM has issued an IQNet recognized certificate that the organization:

Annex (1) to IQNet Certificate Number CN-00220EN0117R0L

Organization	Certification Address	Scope of the site
Henan Zhongyuan Special Steel Equipment Manufacturing Co., Ltd.	531 Industrial Park, Huling Industry Cluster District, Jiyuan City, Henan, P.R.China	The energy management activities involved in production of special steel parts for large equipment (limited mandrel, cast tube mold, die steel, metallurgical roll, oil drilling tool, wind turbine spindle, corrugated roll, hydraulic cylinder, fixed pressure vessel within the scope of qualification)
Henan Zhongyuan Special Steel Equipment Manufacturing Co., Ltd.	Xiaozhai Village, Chengliu Town, Jiyuan City, Henan, P.R.China	The energy management activities involved in production of special steel ingot/continuous casting billet, electroslag ingot and special steel parts for large equipment (die steel, high quality steel forging)

(This annex is effective only using with home page)

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THE INTERNATIONAL CERTIFICATION NETWORK

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CQM has issued an IQNet recognized certificate that the organization:

Annex (3) to IQNet Certificate Number CN-00220EN0117R0L

Products or services/(Processes)	Comprehensive energy consumption for unit output of product/for unit output value	Reporting Period	Measurement boundary for energy consumption
Special steel ingot/continuous casting billet	136.28kgce/t	Jan, 2020–Dec, 2020	Output in reporting period: 201580t Physical location: Xiaozhai Village, Chengliu Town, Jiyuan City, Henan, P.R.China Main production system: Scrap steel as main material-EAF/IF-LF-VD/VOD-CCM bloom/ingot casting; Auxiliary production system: Equipment/facility maintenance, electric transformer and distribution, compressed air preparation, air supply (oxygen, argon, nitrogen), water supply, circulating water, fire fighting system, operation of environment protection facilities (waste gas and water), waste-heat utilization, etc.; Affiliate production system: Office, inspections and bathroom, etc.
Special steel parts for large equipment (limited mandrel, cast tube mold, die steel, metallurgical roll, high quality steel forging, oil drilling tool, wind turbine spindle, corrugated roll, hydraulic cylinder, fixed pressure vessel within the scope of qualification)	0.2462kgce/10,000 yuan	Jan, 2020–Dec, 2020	Output value in reporting period: 1,394,610,000 Yuan Physical location: 531 Industrial Park, Huling Industry Cluster District, Jiyuan City, Henan, P.R.China, Xiaozhai Village, Chengliu Town, Jiyuan City, Henan, P.R.China Main production systems: Smelting, forging, heat treatment, surface treatment, machining, equipment debugging; Auxiliary production system: Equipment/facility maintenance, power transformation and distribution, air pressure preparation, gas supply (oxygen, argon, nitrogen), water supply, circulating water, fire control system, environmental protection facilities operation (waste gas, sewage), waste heat utilization, etc.; Affiliate production system: Office, inspection, bathroom, etc.
Electroslag ingot	365.27kgce/t	Jan, 2020–Dec, 2020	Output in reporting period: 25049t Physical location: Xiaozhai Village, Chengliu Town, Jiyuan City, Henan, P.R.China Main production system: Scrap steel as main material-IF- VOD-CCM bloom for ESR-electrode billet welding-electrode billet heating-ESR-ESR ingot annealing; Auxiliary production system: Equipment/facility maintenance, electric transformation and distribution, compressed air preparation, air supply (oxygen, argon, nitrogen), water supply, circulating water, fire fighting system, operation of environment protection facilities (waste gas and water), waste-heat utilization, etc.; Affiliate production system: Office, inspections and bathroom, etc.

(This annex is effective only using with home page)

Issued on: 2022-05-09

Expires on: 2023-05-06

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Alex Stoichitoiu
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NYCE-SIGE México PCBC Poland Quality Austria Austria RR Russia SII Israel SIQ Slovenia
SIRIM QAS International Malaysia SQS Switzerland SRAC Romania TEST St Petersburg Russia TSE Turkey YUQS Serbia
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能源管理体系认证证书

证书编号: 00220EN0117ROL

兹证明

河南中原特钢装备制造制造有限公司

统一社会信用代码: 9141900175225429XX

住所: 河南省济源市虎岭产业集聚区五三一工业园区

与其他场所共同构成的单一管理体系符合
GB/T 23331-2020/ISO 50001:2018

RB/T 103-2013

RB/T 119-2015

覆盖的范围

特殊钢钢锭/连铸坯、电渣锭和大型装备用特殊钢零部件（限动芯棒、铸管模、模具钢、冶金轧辊、优质钢锻件、石油钻具、风力发电机主轴、瓦楞辊、液压油缸、资质范围内固定式压力容器）的生产所涉及的能源管理活动

覆盖的各场所及认证范围见附件
能耗绩效和边界见附件

（本证书信息可在国家认证认可监督管理委员会官方网站 www.cnca.gov.cn 或方圆标志认证集团官方网站上查询。年度监督审核的《确认证书》用以证实本证书的持续有效性。）

生效日期: 2020 年 05 月 07 日

有效期至: 2023 年 05 月 06 日

换证日期: 2022 年 05 月 09 日



中国认可
管理体系
MANAGEMENT SYSTEM
CNAS C002-M



方圆标志认证集团
CHINA QUALITY MARK CERTIFICATION GROUP

AB 0022354

地址: 北京市海淀区增光路33号 (100048) Address: No.33, Zengguang Road, Haidian District, Beijing, P.R. China (100048)

<http://www.cqm.com.cn>



Energy Management System Certificate

Certificate Number:00220EN0117R0L

CQM hereby certifies that

Henan Zhongyuan Special Steel Equipment Manufacturing Co., Ltd.

Unified Social Credit Identifier: 9141900175225429XX

Domicile:531 Industrial Park, Huling Industry Cluster District, Jiyuan City, Henan, P.R.China

with other sites constitute a single management system conform to

GB/T 23331-2020/ISO 50001:2018

RB/T 103-2013

RB/T 119-2015

This certificate is valid to the following scope:

The energy management activities invovled in production of special steel ingot/continuous casting billet, electroslag ingot and special steel parts for large equipment (limited mandrel, cast tube mold, die steel, metallurgical roll, high quality steel forging, oil drilling tool, wind turbine spindle, corrugated roll, hydraulic cylinder, fixed pressure vessel within the scope of qualification)

Information of sites refer to the attachment

Information of energy performance and boundaries refer to the attachment

(The information of this certificate can be inquired on www.cnca.gov.cn or website of CQM. The continual validity of the certificate can be checked by Certificate Confirmation of surveillance.)

Ji Xiao Dong

Issued on: 2020-05-07
E xpires on: 2023-05-06
Reissue on: 2022-05-09



中国认可
管理体系
MANAGEMENT SYSTEM
CNAS C002-M



方圆标志认证集团
CHINA QUALITY MARK CERTIFICATION GROUP

AB 0022353

地址:北京市海淀区增光路33号(100048) Address:No.33,Zengguang Road,Haidian District,Beijing,P.R. China(100048)

<http://www.cqm.com.cn>

CERTIFICATE



能源管理体系认证证书

证书编号: 00220EN0117R0L

附件(第 1 页 共 1 页)

场所名称	认证地址	场所覆盖的范围
河南中原特钢装备制造有限公司	河南省济源市虎岭产业集聚区五三一工业园区	大型装备用特殊钢零部件(限动芯棒、铸管模、冶金轧辊、石油钻具、风力发电机主轴、瓦楞辊、液压油缸、资质范围内固定式压力容器)的生产所涉及的能源管理活动
河南中原特钢装备制造有限公司	河南省济源市承留镇小寨村	特殊钢钢锭/连铸坯、电渣锭、大型装备用特殊钢零部件(模具钢、优质钢锻件)的生产所涉及的能源管理活动

(本附件应与主证书共同使用)

生效日期: 2020 年 05 月 07 日

有效期至: 2023 年 05 月 06 日

换证日期: 2022 年 05 月 09 日



中国认可
管理体系
MANAGEMENT SYSTEM
CNAS C002-M



方圆标志认证集团
CHINA QUALITY MARK CERTIFICATION GROUP

AB 0022352

地址: 北京市海淀区增光路33号(100048) Address: No.33, Zengguang Road, Haidian District, Beijing, P.R. China(100048)

<http://www.cqm.com.cn>

CERTIFICATE

Energy Management System Certificate

Certificate Number:00220EN0117R0L

Attachment (Page 1 of 1)

Organization	Certification Address	Scope of the site
Henan Zhongyuan Special Steel Equipment Manufacturing Co., Ltd.	531 Industrial Park, Huling Industry Cluster District, Jiyuan City, Henan, P.R.China	The energy management activities invovled in production of special steel parts for large equipment (limited mandrel, cast tube mold, die steel, metallurgical roll, oil drilling tool, wind turbine spindle, corrugated roll, hydraulic cylinder, fixed pressure vessel within the scope of qualification)
Henan Zhongyuan Special Steel Equipment Manufacturing Co., Ltd.	Xiaozhai Village, Chengliu Town, Jiyuan City, Henan, P.R.China	The energy management activities invovled in production of special steel ingot/continuous casting billet, electroslag ingot and special steel parts for large equipment (die steel, high quality steel forging)

(The attachment should be used jointly with the main certificate)

Ji Xiao Dong

Issued on: 2020-05-07

E xpires on: 2023-05-06

Reissue on: 2022 -05-09



中国认可
管理体系
MANAGEMENT SYSTEM
CNAS C002-M



方圆标志认证集团
CHINA QUALITY MARK CERTIFICATION GROUP

AB 0022351

地址:北京市海淀区增光路33号 (100048) Address:No.33,Zengguang Road,Haidian District,Beijing,P.R. China(100048)

<http://www.cqm.com.cn>

CERTIFICATE



能源管理体系认证证书

证书编号：00220EN0117R0L

附件(第 3 页)

产品/服务(过程)	产品单位产量 /单位产值综 合能耗	报告期	能耗核算边界
特殊钢钢锭/连铸 坯	136.28kgce/t	2021 年 1 月- 2021 年 12 月	报告期内产量：201580t 物理位置：河南省济 源市承留镇小寨村 主要生产系统：以废钢为主 要原料-电炉/中频炉-精炼 LF-VD/VOD-连铸/模 铸成型；辅助生产系统：设备/设施检修、变配 电、压空制备、供气（氧、氮、氩）、供水、循 环水、消防系统、环保设施运行（废气、污水）、 余热利用等；附属生产系统：办公、检验、浴 室等。
大型装备用特殊 钢零部件（限动芯 棒、铸管模、模具 钢、冶金轧辊、优 质钢锻件、石油钻 具、风力发电机主 轴、瓦楞辊、液压 油缸、资质范围内 固定式压力容器）	0.2462kgce/ 万元	2021 年 1 月- 2021 年 12 月	报告期内产值：139461 万元 物理位置：河南 省济源市虎岭产业集聚区五三一工业园区 河 南省济源市承留镇小寨村 主要生产系统：熔 炼、锻造、热处理、表面处理、机械加工、装 备调试；辅助生产系统：设备/设施检修、变配 电、压空制备、供气（氧、氮、氩）、供水、 循环水、消防系统、环保设施运行（废气、污 水）、余热利用等；附属生产系统：办公、检验、 浴室等。
电渣锭	365.27kgce/t	2021 年 1 月- 2021 年 12 月	报告期内产量：25049t 物理位置：河南省济源 市承留镇小寨村 主要生产系统：以废钢为主要 原料-中频炉-VOD-连铸电极坯-电极坯焊接-电 极坯预热、烘烤-电渣重熔-电渣锭退火；辅助 生产系统：设备/设施检修、变配电、压空制备、 供气（氧、氮、氩）、供水、循环水、消防系统、 环保设施运行（废气、污水）、余热利用等；附 属生产系统：办公、检验、浴室等。

（本附件应与主证书共同使用）

Handwritten signature

生效日期：2022 年 05 月 09 日
有效期至：2023 年 05 月 06 日



中国认可
管理体系
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方圆标志认证集团
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AB 0022356

地址：北京市海淀区增光路33号 (100048) Address: No.33, Zengguang Road, Haidian District, Beijing, P.R. China (100048)
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CERTIFICATE



Energy Management System Certificate

Certificate Number:00220EN0117R0L

Attachment (Page 3)

Products or services/ (Processes)	Comprehensive energy consumption for unit output of product/for unit output value	Reporting Period	Measurement boundary for energy consumption
Special steel ingot/continuous casting billet	136.28kgce/t	Jan, 2020-Dec, 2020	Output in reporting period: 201580t Physical location: Xiaozhai Village, Chengliu Town, Jiyuan City, Henan, P.R.China Main production system: Scrap steel as main material-EAF/IF-LF-VD/VOD-CCM bloom/ingot casting; Auxiliary production system: Equipment/facility maintenance, electric transformer and distribution, compressed air preparation, air supply (oxygen, argon, nitrogen), water supply, circulating water, fire fighting system, operation of environment protection facilities (waste gas and water), waste-heat utilization, etc.; Affiliate production system: Office, inspections and bathroom, etc.
Special steel parts for large equipment (limited mandrel, cast tube mold, die steel, metallurgical roll, high quality steel forging, oil drilling tool, wind turbine spindle, corrugated roll, hydraulic cylinder, fixed pressure vessel within the scope of qualification)	0.2462kgce/10,00 0 yuan	Jan, 2020-Dec, 2020	Output value in reporting period: 1,394,610,000 Yuan Physical location:531 Industrial Park, Huling Industry Cluster District, Jiyuan City, Henan, P.R.China; Xiaozhai Village, Chengliu Town, Jiyuan City, Henan, P.R.China Main production systems: Smelting, forging, heat treatment, surface treatment, machining, equipment debugging; Auxiliary production system: Equipment/facility maintenance, power transformation and distribution, air pressure preparation, gas supply (oxygen, argon, nitrogen), water supply, circulating water, fire control system, environmental protection facilities operation (waste gas, sewage), waste heat utilization, etc.; Affiliate production system: Office, inspection, bathroom, etc.
Electroslag ingot	365.27kgce/t	Jan, 2020-Dec, 2020	Output in reporting period: 25049t Physical location: Xiaozhai Village, Chengliu Town, Jiyuan City, Henan, P.R.China Main production system: Scrap steel as main material-IF- VOD-CCM bloom for ESR-electrode billet welding-electrode billet heating-ESR-ESR ingot annealing; Auxiliary production system: Equipment/facility maintenance, electric transformation and distribution, compressed air preparation, air supply (oxygen, argon, nitrogen), water supply, circulating water, fire fighting system, operation of environment protection facilities (waste gas and water), waste-heat utilization, etc.; Affiliate production system: Office, inspections and bathroom, etc.

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