**公开询比文件**

**项目编号: XJ2024097732**

**采购项目: 2024年淮南项目部C修一批物资采购**

**采购人：江苏大屯电力工程有限责任公司**

**日 期：2024年9月**

**第一部分 公开询比公告**

江苏大屯电力工程有限责任公司决定采用公开询比方式采购2024年淮南项目部C修一批物资采购项目，欢迎符合资格要求潜在的供应商前来报名。相关事项通告如下：

一、公开询比项目编号：XJ2024097732

二、公开询比项目： 2024年淮南项目部C修一批物资采购

三、服务地点：中煤新集能源股份有限公司电力公司（一、二电厂）

四、交货日期：合同签订后，出卖人按照买受人的要求分批供货及开票，5个自然日内完成交付。

五、付款方式： 详见合同条款。

六、本项目是否接受联合体报价：不允许联合体报价。

七、公开询比网址：<http://ego.chinacoal.com/web/web/shop/index.do>

八、公开询比时间：详见中煤易购采购一体化平台采购公告。

九、响应人请在“中煤易购采购一体化平台”、网址http://ego.chinacoal.com/web/web/shop/index.do 上点击接受参与并确认。注意事项说明：该项目为公开询比项目，供应商须在网上提交一次最终报价，且中煤易购中一次最终报价必须与响应文件中的明细一致，采购人必要时可根据供应商一次最终报价和文件要求进行谈判。

十、采购人通讯资料：

联系地址：江苏大屯电力工程有限责任公司物资管理中心

技术咨询联系人：张海龙联系方式：13852451725

报名咨询联系人：王伟亚

联系电话：0516-87266345

**第二部分 响应人须知**

一、总则

1、本文件适用于江苏大屯电力工程有限责任公司2024年淮南项目部C修一批物资采购项目的公开询比。

**2、响应人资格要求**

**2.1**响应人符合国家工商行政管理部门登记审核,具有有效的合法经营资质，提供营业执照。

2.2供应商资信及经营状况良好，没有处于被责令停业、财产被接管、冻结、破产状态、无不良经营记录且未被列入中煤集团及所属企业“供应商黑名单”及停用名单。

**符合以上资质的提供复印件加盖公章**

3、在询价过程中发现响应人相互串通、联合哄抬报价、违反询价纪律等行为，经查实后，采购人将取消其本次询价资格及以后我公司采购业务的参与资格。

4、响应人所提供的货物和服务应能满足本公开询比文件中《技术规范书》、《主要合同条款》的相应要求，且必须能提供所到货物出厂检验合格证书、检测报告等相关的资料的**原件**，不能提供原件的，复印件必须盖上响应单位的红色公章。报价信息与交货实物的名称、规格型号、品牌不一致的，后期甲方有权拒绝收货。

5、响应人对本文件核阅后，如对某些条款有异议，可在公开询比响应文件中予以说明；如未作说明，视作全部接受，一旦成交即作为签订合同的依据，不得再以任何理由提出变更。

6、请仔细阅读电子报价单附件里的公开询比文件，严格按照公开询比文件要求上传响应文件，响应文件需加盖响应单位红色公章，询价文件中包含附件5（供应商廉洁承诺书），请仔细阅读并由授权代表签署并加盖公章**(如是电子章，请附该响应文件有效的原章说明)，**且不得擅自更改其内容，一经签署则视为响应和同意我方所发出的文件内容。未提供响应文件及响应文件中要求签字盖章处未签字盖章和未签署附件5的视为不响应我方文件内容和不满足报价要求，该项目报价视为无效。生产商与其代理商同时参与本项目报价的均视为无效报价。请在报价后注明生产厂家**。**

7、为更进一步完善和规范供应商管理，确保供应商系统信息完整性和有效性，请响应供应商及时更新中煤易购系统中所有注册信息，确保提交的“响应文件资质”与系统中注册信息一致，若不及时更新和完善系统信息，将影响您的此次评议。如发现提交的“响应文件”与中煤易购系统中信息不一致，视为此次报价响应文件无效，不予参与评议。

8、不接受停用供应商（包括永久性停用和黑名单供应商的法人代表、实际控制人）报价，不接受1个公司多人挂靠和1人挂靠多个公司报价。

9、响应人应对法人代表授权书中的法人代表公民身份号码及全权代表公民身份号码如实填写，如信息不实或不提供，将影响评议结果。

**二．公开询比文件**

1、公开询比文件组成：（1）公开询比公告；（2）响应人须知； （3）技术要求；（4）主要合同条款；(5)附件：供应商廉洁承诺书。响应人应仔细阅读公开询比文件中的所有内容。如果响应人未按公开询比文件要求提供全部资料或提交的响应文件没有对文件做出实质性响应,那么响应人将承担其风险,并有可能导致响应文件被拒绝。

2、公开询比文件的澄清

任何要求对公开询比文件进行澄清的响应人,均应在响应文件提交截止期前以书面形式通知采购人,采购人将以书面形式予以答复,同时将书面答复寄送(或传真通知)响应人,答复中包括所问问题,但不包括问题的来源。

3、公开询比范围：2024年淮南项目部C修一批物资采购**，**详见报价单

**三.响应文件的编制要求**

1. 响应函
2. 公开询比产品的报价单（包括产品分项报价单）
3. 企业营业执照原件扫描件（电子版）
4. 商务、技术偏离表（附件3、附件4）
5. 供应商廉洁承诺书、详细技术资料和其他有关文件和相关资料、相关产品的资质证件
6. 法定代表人证明或法定代表人授权委托书
7. 响应文件需做成PDF格式或WORD文本样式，不可以图片形式单独上传
8. 响应文件的份数和签署

响应文件一份，应按照评议采购文件规定的内容和顺序，使用黑色墨水打印或书写，加盖法人单位公章和法定代表人印章或其代理人的印章。响应文件中写清相应的项目编号、项目名称、响应单位全称、地址、电话、传真等。

**四.报价要求**

1、报价以人民币（元）为单位

2、报价方式：为含税到货价（包含材料费、税金、运杂费、装车费、卸车费、过路费等到达指定地点所发生的全部费用）。

3、响应人所报价格在合同执行过程中是固定的，不得以任何理由予以变更。特殊情况约定按合同条款执行。

4、报价中若单价和总价之间有差异，则以单价为准。

5、响应文件以电子版形式(附在中煤易购电子报价单上，与电子报价一同提交，报价金额要与中煤易购报价单明细一一对应。响应文件要严格按照要求提供，未提供响应文件（参照第三条响应文件的内容）的视为不满足报价要求。

**五、评审**

1、询比小组成员由经济、技术等方面的人员（3人或及以上单数）组成。询比小组负责对响应文件进行审查、质疑、评审和比较,直到评审结束,凡与审查、澄清、评价和比较响应文件的有关资料以及授予意见等,均不向响应人及与评审无关的其他人透露。

2、询比小组对响应人提供的响应文件是否完整、有无计算上的错误,对超出经营范围、提供的资质证明文件、证件是否真实，技术或服务是否满足公开询比文件要求等未实质上响应文件进行评审。响应人提供虚假证件或技术文件及服务不能满足公开询比文件要求的将被取消其资格。

3、本次询价采用最低评审价格法，询比小组本着“公平、公正、科学、严谨”的原则，对实质上响应文件要求的响应文件进行评审。

4、询比小组综合各评审成员评估情况，向采购人提交评议报告，提出成交候选人推荐名单。

**六、确定成交人**

采购人根据询比小组的推荐情况确定成交人，以书面形式通知成交人，告知其已被接受，并向其发放成交通知书。

**七、签订合同**

确定为成交人的响应人在约定的时间内，凭成交通知书由法定代表人或授权代表与采购人签订供货合

合同条款

固定资产等设备物资类 工 业 品 买 卖 合 同

|  |  |
| --- | --- |
| **出卖人：** **买受人：\_江苏大屯电力工程有限责任公司** | 合同编号： 签订地点：江苏省沛县签订时间： 年 月 日 |

第一条 标的、数量、价款及交（提）货时间

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 标的名称 | 牌号商标 | 规格型号 | 生产厂家 | 计量单位 | 数量 | 含税单价（元） | 含税金额（元） | 交（提）货时间 | 备注 |
| 2024年淮南项目部C修一批物资采购 |  |  |  | 批 | 1 |  |  | 出卖人按照买受人的要求分批供货及开票，5个自然日内完成交付。 | 13%增值税。明细见附件 |
| 合计人民币金额（大写）： ￥： 元 （含13%增值税） 不含税金额： 元 税额： 元 |

本合同约定的单价为固定不变价，包含出卖人将货物运送至买受人指定交货地点并交付给买受人指定收货人之前的所有费用（包括但不限于：设备、备品备件、易损件、专用工具、技术资料、指导安装、调试、检验、培训、技术服务、包装、运输、保险等费用。(当国家税率调整时，双方一致同意按照合同金额计算不含税价，结合实际增值税纳税义务发生时间重新计算含税价并开具增值税发票。)

1、标的及数量：物资明细详见报价单，报价单上各物资数量为买受人预估数量，出卖人根据甲方要求分批供货及开票，5个自然日内完成交付。甲方按照实际发生量据实结算，结算金额不超合同总金额。

2、价款：合同为含税到货价，增值税率13%。

第二条 质量标准：按下列第 执行。

1.按照国家标准、行业标准执行，上述标准不一致的，以严格的标准为准。标准代号：

（多种类标的物，可列举相应的标准代码）

2.没有国家标准、行业标准的，按照通常标准或者符合合同目的的特定标准执行，买受人有技术要求或技术协议的按技术协议的要求执行（）。

3.按样品或样本执行，（应注明样本封存及保管方式）（无）。

第三条 出卖人对质量负责的条件及期限：买受人在正确安装、使用、保养的情况下，出卖人对质量负责，质保期1年，自货到验收合格之日起计算。质保期内，对保修范围内的保修服务所发生的全部物质损耗和人员费用，均由出卖人承担。

第四条 运输、包装、包装物的供应与回收：1.出卖人负责产品的包装，包装应确保货物安全，装卸、运输方便，符合安全、环保、卫生标准要求，由此产生的费用由出卖人承担，且包装物不予回收。2.其他请另行约定。

第五条 随机的必备品、配件、工具数量及供应办法： 随包装的产品必备品、配件、附件、工具数量应齐全，保证所供产品能正常安装与使用。

第六条 合理损耗标准及计算方法： 在运输过程中应尽量避免损耗，结算数量以现场实际接收数量为准，损耗品出卖人负责自行处理。

第七条 标的物所有权自货到买受人并经买受人验收合格时起转移，但买受人未履行支付价款义务的，标的物属于出卖人所有。

第八条 交（提）货方式、地点：出卖人负责送货，送到买受人指定地点。

第九条 运输方式及到达站（港）和费用负担：1.汽车运输，运杂费由出卖人承担。2. 其他请另行约定。

第十条 检验标准、方法、地点及期限：按本合同第二条的质量标准验收并出据验收报告。产品验收必须通过检测才能判断时，买受人有权委托具有相应资质的检测单位按照国家相关标准进行检测，质量检测合格的检测费用由买受人承担，质量检测不合格的检测费用由出卖人承担。如出卖人对检测结果持有异议，则指定检测机构进行复检。交货时须提供产品的质量检测报告、产品合格证书、保修单、使用说明书等随附单证。

第十一条 安全、健康、环保条款：出卖人须确保在装卸、运输等过程中，遵守安全、环境与健康等法律法规及装卸货地的管理规定，并承担安全、环境与健康责任。

第十二条 结算方式、时间及地点：

1、本合同各物资用量为甲方预估量，出卖人根据甲方要求分批供货及开票，5个自然日内完成交付。甲方按照实际发生量据实结算，结算金额不超合同总金额。在物资到达买受人指定地点，买受人验收合格后，出卖人开具当批交付物资13%的增值税专用发票后，买受人根据本单位财务流程支付当批交付物资金额的90%。

2、质量保证金为当期交付物资金额的10%，质保期12个月，经买受人检查无质量问题，无索赔发生，一次性支付当批余款。若发生违约赔付和考核，则相应扣减费用后进行支付。

第十三条 担保方式（也可另立担保合同）：无。

第十四条 本合同解除的条件：1.出卖人提供的货物出现质量问题，买受人有权解除合同。2. 出卖人逾期交付货物（包括分批交货的任何一期）超过30日的，买受人有权单方解除合同。协议终止或解除后，协议中约定的违约责任和争议解决条款等清理条款仍然有效。

第十五条 保修与维修：

1. 出卖人向买受人提供的保修期自货物验收合格证书签署次日起12个月。

2. 保修期内，出卖人对货物运行过程中出现的故障指派专业技术人员进行排除，对出现故障的部件、元件或零件免费进行修理或更换。这些替换品不包括合同中规定的由出卖人向买受人提供的维护用的备件。紧急情况下，为了使货物正常运行，出卖人可以使用买受人的备件。使用结束后，出卖人应及时归还或配齐使用过的所有备件、元件。对需要现场维修的，出卖人技术人员应在收到买受人故障通知后，在提供远程服务的同时，48小时内赶到现场对货物进行维修。

在保修期满前3个月内修理或替换的部件、元件或零件应将其保修期延长3个月。

3. 保修期内，对保修范围内的保修服务所发生的全部物质损耗和人员费用，均由出卖人予以承担。出卖人未及时承担保修责任的，买受人有权采用其它渠道和方式对货物进行维修，由此产生的费用由出卖人承担。对因货物在保修期间发生的质量缺陷造成的买受人和（或）第三人财产和（或）人身损失，出卖人应予以赔偿。对本款中应由出卖人承担的全部保修和（或）赔偿费用，买受人有权在出卖人的质量保证金中予以直接扣除，不足部分，买受人有权继续追索。

4. 保修期满，出卖人应持续对货物使用期间出现的故障提供维修服务。对维修所需费用，出卖人仅收取正常的成本费用。

第十六条 知识产权：出卖人应保证产品使用人在使用该货物或其他任何一部分时免受第三方提出侵犯其专利权、商标权或工业设计权的起诉。

第十七条 违约责任：

1.出卖人逾期交货，除每日按逾期交货标的额的5‰向买受人支付违约金（累计不超过合同标的额的20%）外，仍应继续履行交货义务；因逾期交货造成买受人直接经济损失的，出卖人应全额赔偿并承担逾期违约金。

2.出卖人交付的货物若有质量问题，买受人有权拒收或退货，并向买受人支付合同标的额10%的违约金；若在质保期使用中出现质量问题，出卖人应免费更换、修理直至退货，并向买受人支付合同标的额10%的违约金，给买受人造成损失的，还应赔偿全部损失。

3.出卖人未按本合同提供售后服务，给买受人造成经济损失的，则为违约，由出卖人向买受人支付该货物总额5%的违约金。

第十八条 合同争议的解决方式：因本合同发生争议，双方应友好协商；若协商不成，则由买受人所在地有管辖权的人民法院裁决。

第十九条 其他约定事项：

（1）双方特别约定，本合同生效后，任何关于本合同的修改或补充均应以打印的书面方式且由双方共同签字、盖章后才生效。

（2）此合同一式陆份，出卖人两份，买受人四份。

（3）出卖人必须保证所提供的设备带有生产厂家的铭牌或钢印标识并向买受人提供生产厂家出具的出厂检验合格证书，否则买受人有权拒绝接收。所有批次物资必须提供合格证等相关质量证明文件原件。

第二十条 本合同自双方法定代表人或委托代理人签字、盖章之日起生效。合同有效期至 年 月 日。本合同的附件是本协议的组成部分，生效后与本协议具有同等约束力。

**响应文件格式**

# **（不按此格式响应视为无效）**

**附件一、 公开询比响应函**（格式）

致: 江苏大屯电力工程有限责任公司

根据贵方对\_\_\_\_\_\_\_\_\_\_\_\_\_项目(项目编号 )开展公开询比的邀请,我方代表 （职务、全名），经正式授权并代表我方提交下述文件：

1. 响应文件(附在电子报价单一并提交)
2. 报价单（以提交的最终电子报价为准）

我方同意提供按照贵方要求的与其公开询比有关的一切数据或资料，完全响应贵方询价文件中的内容。

与本次公开询比有关的一切正式往来通讯请寄：

地址： 邮编：

手机号码： 传真：

响应人名称（公章）：

响应人代表签字盖章：

日期： 年 月 日

**附件二、 法人代表授权书（格式）**

江苏大屯电力工程有限责任公司:

 (响应人单位全称)法定代表人

授权 （全权代表名称）为全权代表，参加贵公司组织的 项目公开询比（公开询比项目编号： ），全权处理公开询比和由此而产生的合同签订及合同执行等商务活动相关的一切事宜。

本授权书于 年 月 日签字生效，特此说明。

法定代表签字盖章：

法人代表公民身份号码：

响应人全称（公章）：

地 址：

全权代表签字盖章：

全权代表公民身份号码：

职 务：

详细通讯地址：

手机号码：

邮政编码：

|  |
| --- |
| （法定代表人身份证复印件粘贴处正反面） |
| （代理人身份证复印件粘贴处正反面） |

**附件三**

**商务条款偏离表**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **序号** | **文件条目号** | **文件商务条款** | **报价商务条款** | **说明** |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

注：响应人提报的响应文件中与询价文件的商务部分的要求有不同时，应逐条列在商务偏离表中，否则将认为响应人接受询价文件的要求。

**附件四**

**技术规格偏离表**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **序号** | **货物名称** | **文件条目号** | **文件规格** | **报价规格** | **偏离** | **说明** |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

注：响应人应在技术规格说明书中详细列出报价货物的技术性能和主要技术参数，如响应人提报的技术规格书中与询价文件的技术规格书中的要求有不同时，应逐条列在技术偏离表中，否则将认为响应人接受询价文件技术规格书中的要求。

**附件五 报价单（货币单位：元）**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 序号 | 物资名称 | 型号及规格（主要技术参数） | 单位 | 数量 | 计划单价（含税13%） | 金额（元） | 备注 |
| 1 | 钢板 | δ=6mm×Q235B|GB/T11253 | 吨 | 5 |  |  |  |
| 2 | 钢板 | δ=10×1500×6000mm|Q235A | 吨 | 4 |  |  |  |
| 3 | 钢板 | 20mm|/|Q235| | 吨 | 1 |  |  |  |
| 4 | 花纹钢板 | δ=5mm×1500mm×6000mmmm|Q235 | 吨 | 5.2 |  |  |  |
| 5 | 槽钢 | 10#（6米/1根）国标 | 吨 | 4.5 |  |  |  |
| 6 | 槽钢 | · | 吨 | 3 |  |  |  |
| 7 | 镀锌槽钢 | 8# Q235 | 公斤 | 1200 |  |  |  |
| 8 | 镀锌槽钢 | 50mm×37mm×4.5mm| | 吨 | 0.7 |  |  |  |
| 9 | 角钢 | ∠40mm×40mm×6mm|Q235A|GB/T 706 | 吨 | 2 |  |  |  |
| 10 | 角钢 | ∠50×50×5mm|Q235| | 吨 | 2 |  |  |  |
| 11 | 角钢 | |∠63×63×5mm|Q235A|GB/T 706 | 吨 | 2 |  |  |  |
| 12 | 角钢 | ∠70×70×6mm|Q235 | 吨 | 0.4 |  |  |  |
| 13 | 热镀锌钢管 | DN32×3mm|Q235|GB/T14823.1 | 吨 | 2 |  |  |  |
| 14 | 镀锌钢管 | DN15×2.5mm|Q235B|GB/T14823.1 | 米 | 400 |  |  |  |
| 15 | 镀锌钢管 | DN20×2.75mm|Q235B|GB/T3091 | 吨 | 2 |  |  |  |
| 16 | 镀锌管 | DN65×3.25mm| | 根 | 7 |  |  |  |
| 17 | \无缝钢管 | ΦDN250×6mm|20#|GB/T8163 | 米 | 10 |  |  |  |
| 18 | 无缝钢管 | φ58\*4  | 吨 | 0.32 |  |  |  |
| 19 | 镀锌扁铁 | 镀锌扁铁|4mm\*40mm | 米 | 280 |  |  |  |
| 20 | 镀锌扁铁 |  -40×3mm×6000mm|无 6米/根 | 根 | 34 |  |  |  |
| 21 | 镀锌铁丝 | 镀锌铁丝|12#||Q235| | 吨 | 0.3 |  |  |  |
| 22 | 镀锌铁丝 | 镀锌铁丝|10#||Q235| | 吨 | 0.3 |  |  |  |
| 23 | 螺纹钢 | 10#（国标） | 吨 | 2 |  |  |  |
| 24 | 绝缘胶带 | 绝缘胶带|18mm×10m×0.13mm | 卷 | 200 |  |  |  |
| 25 | 苏润杰万能除锈剂 | |450ml/罐|SRJ-40 | 罐 | 100 |  |  |  |
| 26 | 塑封膜 | A4包 | 件 | 2 |  |  |  |
| 27 | 等离子割枪保护套| | P80 10个/盒|等离子切割机LGK-100 | 盒 | 10 |  |  |  |
| 28 | 等离子切割喷嘴 | 等离子切割喷嘴|P80 LGK-120A | 套 | 20 |  |  |  |
| 29 | 油漆 | 绿色/ 20KG/桶 | 桶 | 40 |  |  |  |
| 30 | 松香水 | 松香水|16公斤||| | 公斤 | 32 |  |  |  |
| 31 | 切割片 | 100mm\*2mm\*16mm | 片 | 200 |  |  |  |
| 32 | 三相异步电动机 | 型号YE3-160M2-2,15KW，380V | 个 | 2 |  |  |  |
| 33 | 弯头 | |90° DN250mm×7mm | 件 | 4 |  |  |  |
| 34 | 截止阀 | |J 4 1 W-25RL|DN250|不锈钢 | 个 | 2 |  |  |  |
| 35 | 平焊法兰 | PN1.0MPa DN250mm|RF HG20592-2009|304 | 片 | 2 |  |  |  |
| 36 | 锂基脂润滑油 | 2# | 公斤 | 25 |  |  |  |
| 37 | 锂基脂润滑油 | 3# | 公斤 | 25 |  |  |  |
| 38 | 气动出料阀 | DN125 | 只 | 2 |  |  |  |
| 39 | 气动摆阀 | DN200 | 只 | 2 |  |  |  |
| 40 | 尼龙柱销 | φ19.5mm×65mm | 根 | 50 |  |  |  |
| 41 | K型耐磨热电偶 | WRNN-330JM 铠装日式卡盘式 双层不锈钢保护套管 插深850mm 直径16mm壁厚3mm 0-1300℃ | 根 | 10 |  |  |  |
| 42 | 低碳钢电焊条 | 结 422|Φ2.5|/ | 公斤 | 400 |  |  |  |
| 43 | 低碳钢电焊条 | Φ3.2|J422 | 公斤 | 400 |  |  |  |
| 44 | 双头螺栓 | M16mm×80mm-45# 8.8|GB/T901 | 套 | 300 |  |  |  |
| 45 | 双头螺栓 | M12mm×75mm-45# 8.8|GB/T897 | 套 | 300 |  |  |  |
| 46 | 双头螺栓 | M12×60-316L 8.8|GB/T897 配双螺母、双平垫、双弹垫 | 套 | 200 |  |  |  |
| 47 | 六角螺栓 | M10\*45|BQS型矿用隔爆型潜水排沙电泵 8.8级（带平垫、弹垫 | 套 | 300 |  |  |  |
| 48 | 六角螺栓 | M10\*60|8.8级（带平垫、弹垫) | 套 | 300 |  |  |  |
| 49 | 六角螺栓 | M12\*60|BQS型矿用隔爆型潜水排沙电泵 8.8级（带平垫、弹垫 | 套 | 500 |  |  |  |
| 50 | 六角螺栓 | M12\*50|BQS型矿用隔爆型潜水排沙电泵 8.8级（带平垫、弹垫 | 套 | 300 |  |  |  |
| 51 | 六角螺栓 | M12\*45|BQS型矿用隔爆型潜水排沙电泵 8.8级（带平垫、弹垫） | 套 | 100 |  |  |  |
| 52 | LED射灯 | 260W 220V 28\*28CMM | 套 | 24 |  |  |  |
| 53 | LED球泡灯 | |螺口E27|220V 9W|LED | 只 | 10 |  |  |  |
| 54 | 按钮开关 | |LAY37(PBC) 11BN|红色 | 只 | 10 |  |  |  |
| 55 | 按钮开关 | |LAY37(PBC) 11BN|绿色 | 只 | 10 |  |  |  |
| 56 | 托辊 | φ89\*600mm | 只 | 51 |  |  |  |
| 57 | 立辊 | Φ60×150| | 件 | 30 |  |  |  |
| 58 | 托辊 | φ89\*190mm | 只 | 40 |  |  |  |
| 59 | 业橡胶板 | 5m（长）\*1m（宽）\*3mm(厚） | 卷 | 2 |  |  |  |
| 60 | 生料带 | 20mm\*20m 100卷/箱 | 箱 | 2 |  |  |  |
| 61 | AB胶 | |6005环氧树脂胶 50ml | 个 | 20 |  |  |  |
| 62 | 尼龙扎带 | 4×250mm 500根/袋 | 袋 | 4 |  |  |  |
| 63 | 尼龙扎带 | 4\*200mm|500条/包 | 包 | 4 |  |  |  |
| 64 | 压力表 | DN50  | 台 | 2 |  |  |  |
| 65 | 耐震压力表 | YN-100 (0-1.6mpa) | 块 | 15 |  |  |  |
| 66 | 压力表 | YN-100 (0-1.0mpa) | 块 | 11 |  |  |  |
| 67 | 压力表 | YN-100 (0-2.5mpa) | 块 | 5 |  |  |  |
| 68 | 耐震压力表 | YN-100 （0-10mpa） | 块 | 11 |  |  |  |
| 69 | 耐震压力表 | YN-100T 0~16MPa 螺纹连接，M20\*1.5mm  | 块 | 2 |  |  |  |
| 70 | 防水配电箱 | 产品尺寸:400\*300\*170mm(400mm\*300mm\*200mm)内部尺寸：380\*280\*150mm底面尺寸：340\*240\*8mm防水等级IP66 | 个 | 4 |  |  |  |
| 71 | PVC穿线管 | 16mm|PVC管 | 米 | 150 |  |  |  |
| 72 | PVC穿线管直接头 | 16mm | 只 | 100 |  |  |  |
| 73 | PVC穿线管弯头 | 16mm | 只 | 100 |  |  |  |
| 74 | 平行线 | 2\*2.5mm² | 米 | 100 |  |  |  |
| 75 | 高强六角螺母 | #45钢黑 M45高75mm 12.9级 | 只 | 20 |  |  |  |
| 76 | 不锈钢球阀 | DN15|DN15 16公斤 | 只 | 10 |  |  |  |
| 77 | 高压截止阀 | J41Y-100PN10DN20 | 个 | 10 |  |  |  |
| 78 | 高压截止阀 | J61Y-250PN25DN25 | 只 | 10 |  |  |  |
| 79 | 不锈钢闸阀 | |Z41W-16P-DN50 | 只 | 6 |  |  |  |
| 80 | 不锈钢闸阀 | Z 4 1 H-16|P|DN65|不锈钢304 | 只 | 6 |  |  |  |
| 81 | 闸阀 | Z41H-16C DN100 | 个 | 4 |  |  |  |
| 82 | 闸阀 | Z41H-16C DN80 | 只 | 6 |  |  |  |
| 83 | 闸阀 | Z41H-16C DN65 | 台 | 2 |  |  |  |
| 84 | 截止阀 | J41H-16C DN40 | 件 | 2 |  |  |  |
| 85 | 截止阀 | J 4 1 H-25|DN32mm | 只 | 2 |  |  |  |
| 86 | 截止阀 | J41Y-600LB/I|DN100 | 个 | 3 |  |  |  |
| 87 | 闸阀 |  闸阀|DN150|||| | 只 | 1 |  |  |  |
| 88 | 闸阀 | Z41H-16C法兰连接1.6MPaDN125 | 台 | 2 |  |  |  |
| 89 | 金属缠绕垫 | 带内环DN50 10mpa | 只 | 50 |  |  |  |
| 90 | 金属缠绕垫 | PN16 DN80 | 只 | 50 |  |  |  |
| 91 | 金属缠绕垫 | DN100 | 只 | 50 |  |  |  |
| 92 | 金属缠绕垫 | PN16 DN125 | 只 | 20 |  |  |  |
| 93 | 金属缠绕垫 | PN16 DN150| | 片 | 20 |  |  |  |
| 94 | 阳极振打锤 | 锤头Φ130MM 厚度60MM 直臂:370MM A型 | 个 | 8 |  |  |  |
| 95 | 焊接弯头 | 材质：20#钢DN80 外径88mm长半径114mm90° DN80  | 个 | 20 |  |  |  |
| 96 | 切割片 | 107\*1.2\*16mm | 片 | 300 |  |  |  |
| 97 | 工业磨光片 | 100mm\*6mm\*16mm | 片 | 100 |  |  |  |
| 98 | 防磨瓦 | Φ50mm\*2mm \* L2000mm|310S不锈钢 | 根 | 40 |  |  |  |
| 99 | 机械密封 | |MG109-35 | 个 | 4 |  |  |  |
| 100 | 电磁阀 | 2W-250-25 AC220V  | 只 | 2 |  |  |  |
| 101 | 手动蝶阀 | DN150 D71X-10 DN150 60 | 只 | 2 |  |  |  |
| 102 | 手动蝶阀 | 不锈钢阀瓣DN100 PN10 | 只 | 10 |  |  |  |
| 103 | 隔膜阀 | DN50mm|衬四氟 | 台 | 3 |  |  |  |
| 104 | 逆止阀 | |H 4 / M-PN16|DN50 | 只 | 2 |  |  |  |
| 105 | 膨胀节 | DN600 PN10（2波）20颗螺丝盘距230mm | 只 | 2 |  |  |  |
| 106 | 膨胀节 | DN600 PN10（3波）20颗螺丝盘距300mm | 只 | 2 |  |  |  |
| 107 | 钢管 | φ58\*4 6米/根（10） | 公斤 | 320 |  |  |  |
| 108 | 截止阀 | J41H-100 DN50 PN100使用温度≤425℃ | 只 | 1 |  |  |  |
| 109 | 截止阀 | J 6 1 H-PN10.0mpa|DN50mm|T≤425℃ | 只 | 2 |  |  |  |
| 110 | 双色水位计 | L440mm | 只 | 1 |  |  |  |
| 111 | 耐热输送机皮带 | 材质：橡胶帆布尼龙线800mm宽、5层尼龙线、12mm厚 | 米 | 250 |  |  |  |
| 112 | 方管 | 镀锡方管40mm\*60mm\*3mm | 根 | 20 |  |  |  |
| 113 | 膨胀螺栓 | 12mm\*100mm | 个 | 200 |  |  |  |
| 114 | 燕尾丝 | 燕尾丝|Φ12\*25 mm | 条 | 1000 |  |  |  |
| 115 | 铆钉枪 |  | 把 | 2 |  |  |  |
| 116 | 铆钉 | |Φ4mm×16mm| | 个 | 1000 |  |  |  |
| 117 | 盖板 | 1000\*1000mm里衬2.5mm厚不锈钢板50mm硅酸铝板保温外部2.5mm碳钢板与除尘器顶板密封咬合 | 只 | 32 |  |  |  |
| 118 | 检修孔门圆形 | 里衬2.5mm厚不锈钢板60mm硅酸铝板保温外部2.5mm碳钢板 | 只 | 3 |  |  |  |
| 119 | 检修孔门椭圆形 | 1000\*1000mm里衬2.5mm厚不锈钢板60mm硅酸铝板保温外部2.5mm碳钢板 | 只 | 2 |  |  |  |
| 120 | 喷吹管 | φ108\*6mm90°弯头两端500mm长直段 | 只 | 80 |  |  |  |
| 121 | 轴承 | 6309 | 只 | 4 |  |  |  |
| 122 | 轴承 | 6307-2RS | 套 | 4 |  |  |  |
| 123 | 轴承 | 6308-2RS | 盘 | 4 |  |  |  |
| 124 | 轴承 | 6309-2RS1 | 盘 | 4 |  |  |  |
| 125 | 轴承 | 6314-2RS1 | 盘 | 4 |  |  |  |
| 126 | 轴承 | 型号：NU 220 ECM/C3 | 盘 | 4 |  |  |  |
| 127 | 轴承 | |LYC6220 | 盘 | 2 |  |  |  |
| 128 | 轴承 | 型号：6317 | 套 | 2 |  |  |  |
| 129 | 轴承 | 型号：6319 | 套 | 1 |  |  |  |
| 130 | 轴承 | 型号：N319 | 套 | 1 |  |  |  |
| 131 | 轴承 | 6312 | 件 | 1 |  |  |  |
| 132 | 轴承 | 6313 | 套 | 1 |  |  |  |
| 133 | 轴承 |  SKF6309-2RS1/C3 | 套 | 4 |  |  |  |
| 134 | 轴承 | |国产6308 | 个 | 2 |  |  |  |
| 135 | 轴承 | |2RZ6206 | 盘 | 2 |  |  |  |
| 136 | 轴承 | 轴承6210 | 盘 | 4 |  |  |  |
| 137 | 轴承 | 6305 | 个 | 2 |  |  |  |
| 138 | 轴承 | 51206 | 套 | 2 |  |  |  |
| 139 | 轴承 | 6310 | 个 | 2 |  |  |  |
| 140 | 轴承 | 轴承|SKF6311 | 套 | 4 |  |  |  |
| 141 | 轴承 | 国产6305 | 个 | 4 |  |  |  |
| 142 | 轴承 | SKF22324 CC/W33 | 套 | 2 |  |  |  |
| 143 | 轴承 | 1312 ACM | 只 | 1 |  |  |  |
| 144 | 轴承 | 6314 | 套 | 1 |  |  |  |
| 145 | 轴承 | NTN 1310 | 盘 | 1 |  |  |  |
| 146 | 轴承 |  轴承|N308EM | 套 | 6 |  |  |  |
| 147 |  轴承， | 轴承7312ACM | 个 | 2 |  |  |  |
| 148 | 轴承 | SKF22316E/C3 | 盘 | 2 |  |  |  |
| 149 | 紫铜垫片 | 18\*8\*2mm | 个 | 20 |  |  |  |
| 150 | 热缩管 | |Φ16 绿 | 米 | 20 |  |  |  |
| 151 | 热缩管 | 20mm | 米 | 20 |  |  |  |
| 152 | 包塑金属软管 | φ20mm 50米|M20\*1 PVC环保材料+镀锌钢带 | 卷 | 3 |  |  |  |
| 153 | 螺栓松动剂 | 450毫升/瓶 | 瓶 | 200 |  |  |  |
| 154 | PVC电气胶带 | |长20m| | 卷 | 200 |  |  |  |
| 155 | 气管  | 8mm  | 卷 | 2 |  |  |  |
| 156 | 金属缠绕垫 | PN16 DN15 | 片 | 50 |  |  |  |
| 157 | 金属缠绕垫 | PN1.6Mpa DN25mm|304  | 片 | 50 |  |  |  |
| 158 | 金属缠绕垫 | PN1.6MPaDN20|304石墨3 | 只 | 50 |  |  |  |
| 159 | 紫铜皮 | δ=0.2mm×1000mm | 公斤 | 2 |  |  |  |
| 160 | 紫铜皮 | δ=0.3mm×1000mm | 公斤 | 2 |  |  |  |
| 161 | 紫铜皮 | δ=0.5mm×1000mm | 卷 | 2 |  |  |  |
| 162 |  定子 | NM053-02S|浆液输送泵 | 个 | 1 |  |  |  |
| 163 | 转子 | NM053-02S|浆液输送泵 | 个 | 1 |  |  |  |
| 164 | 机械密封 | NM053-02S|浆液输送泵 | 个 | 1 |  |  |  |
| 165 | 压滤机滤板（隔膜板） | 1000\*1000\*72mm | 块 | 25 |  |  |  |
| 166 | 压滤机滤板（配板） | 1000\*1000\*68mm | 块 | 24 |  |  |  |
| 167 | 滤布 | 750B 尺寸：1100mm\*1100mm 透气滤：50-60 | 块 | 60 |  |  |  |
| 168 | 机柜散热装置（风扇过滤器套装） | TZ806套装 电源220V 外形尺寸：320\*320\*94mm，开孔尺寸：283\*283mm;（含过滤网1个+风扇1个+防护铁网1个） | 套 | 2 |  |  |  |
| 169 | 微机型低压电机综合保护装置 | WDD-1D 电源DC220V 开孔尺寸：151\*76mm 跳闸输出接点常开 附带通讯和变送输出功能 | 套 | 1 |  |  |  |
| 170 | 焊机插头 | 315焊机 国标DJK 50-70红色 黑色插头+插座+接头 | 套 | 8 |  |  |  |
| 171 | 电流互感器 | ALH-0.66CT（单片压盘固定 ）弯片|ALH-0.66kV|100A/5A | 件 | 3 |  |  |  |
| 172 | 手动蝶阀 |  3 4 1 X-PN16MPa|Q|DN65mm | 个 | 3 |  |  |  |
| 173 | 手动蝶阀 | 3 4 1 X-PN16MPa|Q|DN80mm | 个 | 2 |  |  |  |
| 174 | 手动蝶阀 | DN200/PN16D 3 4 1 X-PN16MPa|Q|DN200mm | 个 | 4 |  |  |  |
| 175 | 手动蝶阀 | DN300/PN10D 3 4 1 X-PN16MPa|Q|DN300mm | 个 | 4 |  |  |  |
| 176 | 膨胀节 | 不锈钢2500\*2010\*220 | 套 | 1 |  |  |  |
| 177 | 逆止阀 | DN200/PN 16PN16|DN200 | 个 | 2 |  |  |  |
| 178 | 橡胶板 | |δ=5mm|耐高温300℃ | 公斤 | 6 |  |  |  |
| 179 | 密封胶 | 乐泰587 |300ml  | 支 | 20 |  |  |  |
| 180 | 不锈钢焊条 | 不锈钢焊条|E309Mo-16/A312|3.2|GB/T983 | 公斤 | 300 |  |  |  |
| 181 | 叶轮 | 泵体型号150UHB\_ZK\_300\_20/45KW\_4 | 个 | 1 |  |  |  |
| 182 | PE管 | DN315\*18.5 DN315mm | 米 | 25 |  |  |  |
| 183 | PE管弯头 | DN315\*18.5 90°弯头 DN315mm | 个 | 3 |  |  |  |
| 184 | PE管 | DN200 | 米 | 200 |  |  |  |
| 185 | PE管阀门 | DN200 | 个 | 3 |  |  |  |
| 186 | PE弯头 | DN200 90°弯头 DN200mm | 件 | 10 |  |  |  |
| 187 | PE管三通 | DN200 90°三通 DN200mm | 件 | 1 |  |  |  |
| 188 | 法兰 | DN200mm PN1.0 | 个 | 6 |  |  |  |
| 189 | PE管阀门 | DN100 | 个 | 2 |  |  |  |
| 190 | PE弯头 | DN100 90°弯头 DN100mm 1.6Mpa | 件 | 15 |  |  |  |
| 191 | PE法兰 | DN100 | 套 | 8 |  |  |  |
| 192 | 电除器布袋 | Ø130×6500PTFE 基布，面层 PTFE50%+PPS50%混纺+PTFE 覆膜+超细纤维 | 条 | 50 |  |  |  |
| 193 | 装配式围栏及配套大门 | 对开式大门宽4米，3个，围栏高2.5米 | 米 | 150 |  |  |  |
| 194 | 执行器 | 向空排气阀门铸铁壳体DZW45-24,智能一体化 | 台 | 1 |  |  |  |
| 195 | 执行器 | 主蒸汽阀门铸铁壳体DZW60-24,智能一体化600NM | 台 | 1 |  |  |  |
| 196 | 杭州和利时-K系列16通道24VDC数字量输出模块 | K-DO01 | 块 | 1 |  |  |  |
| 197 | 杭州和利时-K系列16通道DO交直流继电器输出端子板（和泉继电器） | K-DOR01 | 块 | 1 |  |  |  |
| 198 | 杭州和利时-K系列8通道模拟量输出模块 | K-AO01 | 块 | 1 |  |  |  |
| 199 | 杭州和利时-K系列8通道模拟量输入模块 | K-AI01 | 块 | 1 |  |  |  |
| 200 | NED601数字式电动机综合保护测控装置 | 型号：NED601、额定参数：DC220V、CT=5A、PT=100V（南京南自电控自动化有限公司（通讯协议需联系厂家查找一电厂所使用的版本），需要提供：厂家出厂合格证、试验证书及使用说明书。） | 台 | 1 |  |  |  |
| 201 | NED701数字式发电机保护装置 | 型号：NED701、参数：DC220V,CT=5A，PT:6KV/0.1KV(发电机参数：QF-6-2、6000KW、6.3kv/688A)、（必须和南京南自NED600系统兼容，通讯协议一致） | 台 | 1 |  |  |  |
| 202 | NED781数字式故障解列装置  | 型号：NED781、参数：DC220V,CT=5A，PT:6KV/0.1KV(发电机参数：QF-6-2、6000KW、6.3kv/688A)、（必须和南京南自NED600系统兼容，通讯协议一致） | 台 | 1 |  |  |  |
| 203 | PWL微机励磁控制器 | 型号：PWL、发电机参数：QF-6-2、6000KW、6.3kv/688A，励磁电压/电流：110V/235A（必须和南京南自NED600系统兼容，通讯协议一致） | 台 | 1 |  |  |  |
| 204 | 电缆 | ZR-YJV0.6kV/4\*1.5m2 | 米 | 130 |  |  |  |
| 205 | 限位开关 | |YBLX-5/11H|10A/1P | 个 | 4 |  |  |  |
| 206 | 限位开关 | |AC15 / 240V / 3A|XCKN.C | 只 | 2 |  |  |  |
| 207 | 高温耐磨热电偶 | WRN2-33T、 K分度、插深：800mm、 螺纹：M33\*2 、Φ18mm保护管、L=1000mm，其中耐磨头长度为：500mm | 台 | 2 |  |  |  |
| 208 | 高温耐磨热电偶 | WRN2-33T、K分度、插深：800mm、 螺纹：M46\*2、Φ18mm保护管、L=1000mm、其中耐磨头长度为：500mm | 台 | 2 |  |  |  |
| 209 | 电子触发器 | CD-7H、电源220~240V、50/60Hz | 只 | 2 |  |  |  |
| 210 | 暗装五孔插座 | 型号：86型 | 个 | 6 |  |  |  |
| 211 | 明装五孔插座 | 型号：86型 | 个 | 6 |  |  |  |
| 212 | 跑偏开关 | KPT1-12-30 | 套 | 3 |  |  |  |
| 213 | 方形变频散热风扇 | 型号：G-112、 功率：60W 、转速：2800r/min 、电压：380V AC、频率：50HZ、防护等级： IP55 风量：900m3/h、风压：90Pa、绝缘等级：F | 台 | 2 |  |  |  |
| 214 | 日光灯 |  T8|36W | 支 | 20 |  |  |  |
| 215 | 开口铜线鼻 | 200A | 支 | 50 |  |  |  |
| 216 | 万能转换开关 | |LW8-10/3 AC380V 50HZ/DC220V | 只 | 1 |  |  |  |
| 217 | 氧化锆氧量分析仪 | 型号：NFZr02-5 、规格：L=1000mm | 套 | 1 |  |  |  |
| 218 | 接触器 | CJX2-3210 220V线圈电压：AC220V | 只 | 2 |  |  |  |
| 219 | 辅助触头 | 型号：F4-22（两开两闭） 两开两闭 | 只 | 4 |  |  |  |
| 220 | 热继电器 | JRS1-09-25  | 个 | 2 |  |  |  |
| 221 | 塑料波纹管 | |21.2mm | 根 | 20 |  |  |  |
| 222 | 电缆 | 型号：RVV、 两芯、2.5mm2 | 米 | 100 |  |  |  |
| 223 | 线卡 | |20- | 件 | 4 |  |  |  |
| 224 | 漏电断路器 | 型号：NXBLE-32、2P、 25A  | 只 | 4 |  |  |  |
| 225 | 塑料照明空开箱 | 136\*160\*70mm(2-4位） | 套 | 6 |  |  |  |
| 226 | 塑料照明空开箱 |  210\*265\*70mm | 套 | 6 |  |  |  |
| 227 | 钻尾螺丝 | Ф4.8\*30mm | 盒 | 3 |  |  |  |
| 228 | 钢丝绳 | 4mm 1×7-Φ4mm||| | 米 | 800 |  |  |  |
| 229 | 电缆防火涂料 | ATS-AA 25KG/桶 | 桶 | 1 |  |  |  |
| 230 | 灯泡 | 36V 、100W | 个 | 50 |  |  |  |
| 231 | 旋钮开关 | |LA38/203 209B|2档自锁  | 只 | 10 |  |  |  |
| 232 | 接近开关 | LJ12A3-4Z/AC 36A | 支 | 4 |  |  |  |
| 233 | 保险管 | RT18-32 2A 10×38  | 只 | 20 |  |  |  |
| 234 | 橡胶管 |  DN20 | 米 | 100 |  |  |  |
| 235 | 双头螺栓、螺母 | M16×90mm-30CrMoA 8.8|HG/T20613 含螺帽、垫片、弹簧垫 | 套 | 100 |  |  |  |
| 236 | 工业消泡剂（消泡） | 25kg/桶 | 桶 | 2 |  |  |  |
| 237 | 滤布纠偏辊 | DN125-JPG | 套 | 1 |  |  |  |
| 238 | 柴机油 | CD 40|||| | kg | 50 |  |  |  |
| 239 | 离心水泵轴套 | 主机型号：IS65-50-160 | 件 | 2 |  |  |  |
| 240 | 轴套 | IS100-80-160|单级离心泵 | 件 | 2 |  |  |  |
| 241 | 离心水泵轴套 | 主机型号：IS150-125-400 | 件 | 2 |  |  |  |
| 242 | 离心水泵轴套 | 主机型号：DG46-50\*12 | 件 | 2 |  |  |  |
| 243 | 叶轮 | 主机型号：IS65-50-160 | 件 | 1 |  |  |  |
| 244 | 叶轮 | 3N6G 2 | 个 | 1 |  |  |  |
| 245 | 截止阀 | DN40 | 只 | 2 |  |  |  |
| 246 | 截止阀 | A105 J61H DN32 PN100 | 只 | 8 |  |  |  |
| 247 | 截止阀 | J 4 1 H-PN2.5MPa|C|DN65mm | 台 | 2 |  |  |  |
| 248 | 盘根 | |12mm×12mm | 公斤 | 1 |  |  |  |
| 249 | 多级离心泵平衡盘 |  | 只 | 1 |  |  |  |
| 250 | 聚四氟乙烯板 | δ=2mm 1000×1000mm | 块 | 5 |  |  |  |
| 251 | 橡胶板 | 厚3mm， | 米 | 8 |  |  |  |
| 252 | 焊接弯头 |  φ89 | 只 | 5 |  |  |  |
| 253 | 输送带皮带扣钢丝穿条 | 8\*800mm | 根 | 20 |  |  |  |
| 254 | 输送带皮带扣 | DK8-10mm，材质：不锈钢 | 盒 | 10 |  |  |  |
| 255 | 托辊 | 89\*750mm（直径\*长度） | 只 | 10 |  |  |  |
| 256 | 防磨瓦 | Ø42\*3\*2000mm,材质321φ46\*3 mm L=2m 180° | 根 | 5 |  |  |  |
| 257 | 防磨瓦 | Ø38\*3\*2000mm,材质321φ38\*3mm L=2m 180°| | 根 | 10 |  |  |  |
| 258 | 卧式离心泵 | ISW100-200 22kw|50m 100m3/h | 台 | 1 |  |  |  |
| 259 | 清水泵 | DFW80-160/2 7.5kw|32m 50m3/h | 套 | 1 |  |  |  |
| 260 | 托辊 | Φ89mm×240mm | 只 | 50 |  |  |  |
| 261 | 波纹管膨胀节 | DN200 | 只 | 2 |  |  |  |
| 262 | 蝶阀 | 抗硫 中线型 PN16 RF|WCB|PTFE DN80 | 只 | 1 |  |  |  |
| 263 | 手推车 | 大号，实心轮 | 台 | 4 |  |  |  |
| 264 | 煤质实验筛 | 直径50厘米，网孔13毫米 | 个 | 5 |  |  |  |
| 265 | 磅称（电子式） | 称重范围0-100公斤 | 台 | 1 |  |  |  |
| 266 | 不锈钢管 | Φ20×4mm|不锈钢|国标 | 米 | 100 |  |  |  |
| 267 | 氨水喷枪（含外套管和连接软管） | 310S，丽昊环保品牌LH-LTHG；上海点瑞机械科技有限公司DOYROY；上海守望者。适用温度1000℃，适用介质：氨水，带保护套，流量150L/h,扇形雾场，内丝连接，提供品牌合格证 | 套 | 7 |  |  |  |
| 268 | 潜污泵 | WQ25-20-3|额定流量：25m³/h,额定扬程20m,3KW,AC380V | 台 | 2 |  |  |  |
| 269 | 塑料布 | 宽8000mm\*厚0.08mm 12道 白色 | 公斤 | 100 |  |  |  |
| 270 | 彩条布|加厚||| | 4\*50米 加厚 | 平方米 | 300 |  |  |  |
| 271 |  碎花布料擦机布 | 400mm\*600mm 5kg/包|安赛瑞39811|70%含棉量 颜色：杂色 | 包 | 10 |  |  |  |
| 272 | 消防水带 | 16型 DN65|聚氨酯 | 盘 | 10 |  |  |  |
| 273 | 浆液循环泵泵头 | 耐腐蚀主机型号250HUB-ZK-700-24/110KW-4 | 台 | 1 |  |  |  |
| 274 | 浆液循环泵泵头 | 耐腐蚀主机型号250HUB-ZK-700-28/110KW-4 | 台 | 1 |  |  |  |
| 275 | 供浆泵 | 耐腐蚀50UHB-ZK-25-25/5.5KW-2 | 台 | 1 |  |  |  |
| 276 | 扰动泵 | 耐腐蚀150UHB\_ZK\_300\_20/45KW\_4 | 台 | 1 |  |  |  |
| 277 | 罗茨氧化风机 | 耐高温RSR150C | 台 | 1 |  |  |  |
| 278 | 断路器执行机构 | VS1-12/2000-40 | 个 | 2 |  |  |  |
| 279 | 防腐漆 | 佰丽安 环氧酚醛防腐漆 HF-01(深绿) | 桶 | 20 |  |  |  |
| 280 | 氨基磺酸 | 25kg/袋 | 袋 | 50 |  |  |  |
| 281 | 金属缠绕垫 | DN400|304|304|柔性石墨 | 个 | 2 |  |  |  |
| 282 | 高强金属缠绕垫 | DN250（250\*305\*5）,PN100,石墨+不锈钢，国标 | 只 | 2 |  |  |  |
| 283 | 防尘网 | 防尘网|8000×25000mm|绿色） | 卷 | 20 |  |  |  |
| 284 | 安全隔离带 | 警戒带|4mm\*100m|编织布带 | 盘 | 20 |  |  |  |
| 285 | F扳手 | 公制|300mm | 件 | 4 |  |  |  |
| 286 | F扳手 | 350mm-500mm 防滑型|公制350mm 400mm 450mm 500mm 550mm | 套 | 4 |  |  |  |
| 287 | F扳手 | 公制600mm | 件 | 4 |  |  |  |
| 288 | F扳手 | 公制800mm | 个 | 4 |  |  |  |
| 289 | F扳手 | 不锈钢1200mm\*100mm\*25mm | 个 | 4 |  |  |  |
| 290 | 氧化锆氧烟气量分析仪 | MKGD-400-A/H 测量范围：（0.01-25%） 输出信号：4-20mA；基本误差：≤±1%；电源：AC220V 烟气温度≤700℃  | 套 | 1 |  |  |  |
| 291 | 交换机 | |S1700-8G-AC|8口千兆 | 台 | 2 |  |  |  |
| 292 | 红砖 |  | 快 | 25000 |  |  |  |
| 293 | 水泥 | |P.C 42.5 袋装 | 吨 | 6 |  |  |  |
| 294 | 黄沙 |  | 吨 | 7 |  |  |  |
| 295 | 地砖 | 800\*800\*10mm | 片 | 160 |  |  |  |
| 296 | 楼梯踏步砖 | 151mm×600mm | 块 | 65 |  |  |  |
| 297 | 地脚线 | 黑色|800mm×100mm | 块 | 82 |  |  |  |
| 298 | 腻子粉 | 20kg/袋 | 袋 | 80 |  |  |  |
| 299 | 胶水 | |107 | 桶 | 10 |  |  |  |
| 300 | 墙固 | 20kg | 桶 | 2 |  |  |  |
| 301 | 乳胶漆 | 立邦 外墙乳胶漆707 20kg 20kg 白色 | 桶 | 3 |  |  |  |
| 302 | LED灯 | 220V 50W | 个 | 20 |  |  |  |
| 303 | 电焊灭火毯 | 耐高温灭火毯|1.5m\*0.89m 厚度0.71mm | 块 | 148 |  |  |  |
| 304 | 标准化作业垫 | 1.5米\*2米 | 个 | 10 |  |  |  |
| 305 | 玻璃钢管道 | 玻璃钢管道|Φ300mm PN1.0Mpa|t=10mm | 米 | 120 |  |  |  |
| 306 | 冷渣器支撑轮 | Φ380mm\*300mm|LGT-25 | 个 | 6 |  |  |  |
| 307 | 三相异步电动机 | YE4-160M2-2|380V 15kw 安装方式：B3（卧式安装） | 台 | 4 |  |  |  |
| 308 | 不锈钢闸阀 | Z 4 1 H H-PN：1.6MPa|不锈钢|DN200mm|法兰间距：300mm | 台 | 4 |  |  |  |
| 309 | 安全阀 | 永|A 4 8 Y-25|C|DN100mm | 台 | 6 |  |  |  |
| 310 | 阀门电动装置（电动头） | 配用电机YDF-WF212-4 0.25KW 1440RPM 380V Y型 1.5A|DQ120-0.37WF调节型 380V 0.25KW | 台 | 3 |  |  |  |
| 311 | 远传式双金属温度计 | 偶头型WSSP-411 探杆直径10mm 探杆长50mm 0-100℃ M27\*2可动外螺纹 PT100三线制1.5级 | 只 | 2 |  |  |  |
| 312 | 隔膜阀 | G41F46-10|C|DN40mm | 台 | 2 |  |  |  |
| 313 | LED灯 | 螺旋卡口 e27 50W | 只 | 10 |  |  |  |
| 314 | 时间继电器 | H3Y-4|AC220V-//0-60S可调 | 只 | 10 |  |  |  |
| 315 | 旋转编码器 | 原装日本内密控OVW2系列型号：OVW2-06-2MHT  | 只 | 1 |  |  |  |
| 316 | 皮带扣 | SU1000(7-12) | 盒 | 5 |  |  |  |
| 317 | 皮带扣穿条 | Φ8mm 长1000mm | 根 | 10 |  |  |  |
| 318 | 无缝钢管 | Φ108×8mm|27SiMn|GB/T8162-2008 | 吨 | 2 |  |  |  |
| 319 | 平口焊接法兰盘 | DN108 PN20 DN108|/ GB|45# | 只 | 10 |  |  |  |
| 320 | 不锈钢钢管 | 不锈钢40\*3 | 吨 | 0.1 |  |  |  |
| 321 | 不锈钢弯头（焊接） | 不锈钢DN40 | 只 | 8 |  |  |  |
| 322 | 焊接法兰盘 | 不锈钢DN100 PN16 | 片 | 8 |  |  |  |
| 323 | 镀锌钢管 | Φ32×3mm|Q235A| | 支 | 20 |  |  |  |
| 324 | 阻燃耐高温输送带 | 橡胶输送带 ，带宽B=500（带式输送机型号 TD75-500，带长L=80米，耐温150℃，双面胶，5层尼龙线层，10mm厚） | 米 | 160 |  |  |  |
| 325 | 高温耐磨热电偶 | 型号：WRN2-33T、 0~1200℃、K分度、插深：800mm、 螺纹：E33\*2 、Φ20保护管、L=950mm，其中耐磨头长度为：500mm | 根 | 2 |  |  |  |
| 326 | 聚四氟乙烯垫 | DN50 DN50 PN16| | 件 | 2 |  |  |  |
| 327 | 伸缩节 | DN65PN16 PN1.6MPaDN65×L=200mm|法兰连接|不锈钢 | 个 | 1 |  |  |  |
| 328 | 伸缩节 | DN80PN16 PN1.6MPaDN80×L=200mm|法兰连接|不锈钢 | 个 | 1 |  |  |  |
| 329 | 伸缩节 | DN300PN10 DN300×|+ |1.6MPA+带法兰 | 个 | 1 |  |  |  |
| 330 | 氨水 |  氨水|分析纯|500ml/瓶 | 瓶 | 500 |  |  |  |
| 331 | 喷射泵 | |XKJ-804S 380V 0.45kw|38m |  台 | 1 |  |  |  |
| 332 | 阻火包 | 320mm×180mm×40mm|720g/包 耐火温度1580～1770℃ | 箱 | 2 |  |  |  |
| 333 | 投光灯 | AC220V|300W|LED| | 只 | 10 |  |  |  |
| 334 | 灯泡 | 灯泡|E27|60W/220V | 只 | 30 |  |  |  |
| 335 | 擦机布 | 擦机布|50斤/袋|棉布 | 袋 | 2 |  |  |  |
| 336 | 防火门 | 1300mm×2100mm钢制 | 套 | 1 |  |  |  |
| 337 | 滤纸 | 300mm×300mm×1mm |  张 | 1000 |  |  |  |
| 338 | 消防箱 | |650mm×240mm×800mm | 套 | 1 |  |  |  |
| 339 | 电力液压推动器 | YT1-18Z/2|QD-10T | 台 | 1 |  |  |  |
| 340 | 普通抗磨液压油 | 46# | 桶 | 1 |  |  |  |
| 341 | 风帽 | XG-35/3.82-MZG40Cr20Ni9Si2NRe  | 个 | 100 |  |  |  |
| 342 | 电池 | 9V电池 | 块 | 100 |  |  |  |
| 343 | 角磨机切割片 | Φ100 | 片 | 200 |  |  |  |
| 344 |  LED射灯外 | |300W|220V | 台 | 6 |  |  |  |
| 345 | 电子秤 | 150kg | 个 | 1 |  |  |  |
| 346 | 无缝钢管 | Φ45×3.5mm 20# | 米 | 60 |  |  |  |
| 347 | 皮带托辊 | |φ89\*190mm | 个 | 100 |  |  |  |
| 348 | 电缆  | |YJV 1KV|4×2.5 | 米 | 100 |  |  |  |
| 349 | 电缆  | ZR-KVVRP|0.45 0.75kv 12×1.5 | 米 | 20 |  |  |  |
| 350 | 防火涂料； | 白色|25kg/桶| | 桶 | 2 |  |  |  |
| 351 | PE管 | 电熔连接/DN100mm×PN1.6Mpa | 米 | 1300 |  |  |  |
| 合计： | 0.00  |  |
|  |  |  |  |  |  |  |  |

 |

报价要求：

1. 此报价单必须与平台报价一致，请务必仔细填写“含税单价”、“含税金额”。

（2）此报价单格式可根据实际情况调整。

（3）逐项报价，报价为含税到货价，税率为13%。

（4）如遇石子沙子等地材或非标加工件等无法提供品牌的物资，产品品牌可填报为产地。

（5）此报价单上各物资用量为甲方预估量，出卖人根据甲方要求分批供货及开票，5个自然日内完成交付，所有批次物资必须提供合格证等相关质量证明文件原件。

（6）按照实际发生量据实结算，结算金额不超合同总金额。

（7）每个分项目未发生额度可以用于其他分项目的超出预估部分的结算。

供应商名称（公章）：

法定代表人或授权委托人（签字或盖章）：

日 期 ： 年 月 日

附件六、

**资质证明文件**

**（按要求提供）**

附件七、 廉洁承诺书

为维护公平竞争的市场秩序，我方自愿在参与贵方组织的商业往来活动中，加强有关人员廉洁从业管理，恪守商业道德，从源头预防和遏制违法、违规、违纪行为发生，特作以下承诺：

一、严格遵守国家有关法律法规，坚持诚实守信原则，恪守商业道德，规范商务人员廉洁从业行为。

二、不伙同他人串标、围标或非法排挤竞争对手，不在商业活动中提供虚假资料，损害贵方合法权益。

三、不为贵方工作人员提供回扣、礼金、有价证券、贵重物品和报销个人费用。

四、不为贵方工作人员安排有可能影响公平、公正交易的宴请、健身、娱乐等活动。

五、不为贵方工作人员投资入股、个人借款或买卖股票、债券等提供方便。

六、不为贵方工作人员购买或装修住房、婚丧嫁娶、配偶子女上学或工作安排以及出国出境、旅游等提供方便。

七、不违反规定为贵方工作人员在我方相关企业挂名兼职、合伙经营、介绍承揽业务等提供方便。

八、不利用非法手段向贵方工作人员打探有关涉及贵方的商业秘密、业务渠道等。

九、贵方对涉嫌不廉洁的商业行为进行调查时，我方有配合提供证据、作证的义务。

十、未经贵方同意，我方不向任何新闻媒体、第三人述及有关贵方工作人员恪守商业道德方面的评价、信息。

我方自愿接受社会及贵方监督，如有违反约定，承诺及时对相关工作人员进行处分处理，并限期整改；如导致贵方工作人员受到纪律处分、组织处理或构成违法犯罪的，愿意按照双方约定赔付违约金，并列入永久禁入中煤市场黑名单；给贵方造成重大社会影响或重大经济损失的，同意解除、终止双方尚未履行完毕的业务合同，暂停结算合同未支付款项，赔偿贵方遭受的经济损失，并列入供应商黑名单。

承诺方：（盖章）

地址：

电话：

年 月 日