

Scope of Work

Document Number :
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Revision : 1

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|----------------|-----------------------|--------------------|------------------------|
| Plant | PT DSSP Power Kendari | Department | Mechanical Maintenance |
| Equipment Name | Boiler | Equipment KKS Code | |
| Area | Boiler | Unit | #2 |

Project Title Description
Service replacement of primary lower air preheater Unit 2

New
 Modification
 Replace
 Repair
 Service PM
 Training
 Calibration
 Others _____

| No | Specific Scope of Works | Quantity | Remarks |
|---|--|----------|---|
| 1 | Technical Job Scope According to the technical checklist and DSSP Kendari requirement, contractor shall supply manpower, and material required for service the project as is the scope of work | 1 Ls | All Documents must be submitted in the attachment of the quotation. Documents submitted to DSSP are CV/Resume of each personnel including a valid certificate. Refer to DSSP/DDPI/TECH/001 "Regulation of DDPI Regarding O&M Outsourcing Service Work". All Personnel must have BPJS Ketenagakerjaan, must do basic Medical Check Up, Contractor must fulfill HSE requirement form |
| | All the risk of contractor employee, include labour supply of injury, sickness, died, etc. will be 100% on contractors responsibility | | |
| | Replacement of lower air preheater | | |
| | Preparation | | |
| | Site visit (see the real condition working area) | | |
| | Provide procedure of dismantling and installation of tubular air preheater | | |
| | Execution | | |
| | Fabrication nad installation supporting team to insert and take out the APH tubular bank | | |
| | Replacement of primary lower air preheater (consist of 4 tubular banks) | | |
| | Remove the installation of insulation | | |
| Housekeeping before, during, and after installation | | | |
| Provide heavy equipment and lifting tool for remove and installation tubular air preheater (mobile crane, forklift and truck) | | | |
| Scaffolding & insulation by contractor | | | |
| 2 | Tools, Material & consumables supply - Provide general tools, special tools, and consumable - Gas (Oxygen, acetylene, argon) is provide by DSSP - material by DSSP (Air Preheater tubular box and accessories) | 1 Ls | All documents, Daily Report, Service Report, Recommendation Report, BAST, Etc must be submitted to DSSP |
| 3 | Manpower : Contractor will guarantees the service will be made in a professionals and skilled by experienced manpower | | |
| 4 | Time Frame : Planned working duration is 15 days ,schedule outage duration is 20 days | | |
| 5 | Reporting and Absensi - Contractor should be provide daily progress report and contrator time sheet during service, - Contractor must attend meeting daily at afternoon and presentation for their job and finding (if any) - Contractor should to recap the absensi of manpower and submit 1 day after job finish with sign - Contractor should provide the preliminary and final report which is containing all data before and after service | | |

| No | Work Description | Common Scope of Work | Remarks |
|----|---|---|-------------------------------------|
| 1 | General Scope | Cleaning working area after finish | <input checked="" type="checkbox"/> |
| | | Operational training for new equipment | <input checked="" type="checkbox"/> |
| | | Warranty of Product/Work | <input checked="" type="checkbox"/> |
| | | General Lighting | <input checked="" type="checkbox"/> |
| | | Portable Lighting | <input checked="" type="checkbox"/> |
| | | Cover all security | <input checked="" type="checkbox"/> |
| 2 | Temporary Facility Scope | Accommodation / Dormitory | <input checked="" type="checkbox"/> |
| | | Mob and de-mob manpower | <input checked="" type="checkbox"/> |
| | | Mob and de-mob tool and equipment | <input checked="" type="checkbox"/> |
| | | Local transportation for manpower, material, equipment | <input checked="" type="checkbox"/> |
| | | Meal & Drinking | <input checked="" type="checkbox"/> |
| | | Site offices & rest shelter | <input checked="" type="checkbox"/> |
| | | Scaffold installation and dismantling | <input checked="" type="checkbox"/> |
| | | Secure site - Safety Inspector facilities | <input checked="" type="checkbox"/> |
| 3 | HSE Concern Scope | First aid & Medical for worker | <input checked="" type="checkbox"/> |
| | | BPJS Certificate & MCU (Last 1 year) or Health Certificate from the Community Health Center | <input checked="" type="checkbox"/> |
| | | Fire fighting equipment (Extinguisher) | <input checked="" type="checkbox"/> |
| | | General Safety PPE (Safety Shoes, Safety Helmet with Chin Strap, Uniform with Scoothigh/Safety Vest, Mask) | <input checked="" type="checkbox"/> |
| | | Specific Safety PPE & Tools based on activity | <input checked="" type="checkbox"/> |
| | | Safety Officer (minimum AK3 Umum - Kennaker) | <input checked="" type="checkbox"/> |
| | | Certification manpower (GTAW, SMAW, Scaffolder, Inspector Scaffolding, High working, SIO, Radiografer, Confined Space, Diver) | <input checked="" type="checkbox"/> |
| | | Certification/Training K3 (PJK3/Ministry of Manpower) | <input checked="" type="checkbox"/> |
| | | Manpower identity (KTP) & valid license (SIM & STNK) *If use Vehicle | <input checked="" type="checkbox"/> |
| | | Consumable (wag cotton, insulation tape, etc.) | <input checked="" type="checkbox"/> |
| 4 | Consumables & Tool Scope | Crane/Winches or other lifting equipment | <input checked="" type="checkbox"/> |
| | | Compressed air sources | <input checked="" type="checkbox"/> |
| | | Water resources | <input checked="" type="checkbox"/> |
| | | Electrical resources | <input checked="" type="checkbox"/> |
| | | Special work tools (inspected) | <input checked="" type="checkbox"/> |
| | | Certification Analysis/Calibration Laboratory (KAN) | <input checked="" type="checkbox"/> |
| | | HSE Requirement Form | <input checked="" type="checkbox"/> |
| 5 | Health, Safety, Environment & Energy Policy | Follow DSSP Procedure of Hazardous and Non-B3 Waste Management | <input checked="" type="checkbox"/> |
| | | Follow DSSP Domestic Waste Management | <input checked="" type="checkbox"/> |
| | | Follow DSSP Energy Policy and Management System Requirement | <input checked="" type="checkbox"/> |
| | | | <input checked="" type="checkbox"/> |

| | | | | | | |
|-------------|-------------------------------------|--------------------|-------------------------------------|------------------|--------------------------|----------------|
| REMARKS | <input checked="" type="checkbox"/> | Vendor Scope | <input checked="" type="checkbox"/> | Not Vendor Scope | <input type="checkbox"/> | Not Applicable |
| Proposed By | User | Name | Signature | Date | | |
| Reviewed By | Direct Supervisor | <i>[Signature]</i> | <i>[Signature]</i> | 15/01/25 | | |
| | HSE | <i>[Signature]</i> | <i>[Signature]</i> | 15/01/25 | | |
| | Manager Energy | <i>[Signature]</i> | <i>[Signature]</i> | 15.01.2025 | | |