



PT SKS LISTRIK KALIMANTAN

IPP 3: PLTU Kalteng 1 (2X100 MW)

General and Technical Requirements & Scope of Work

Package Name:
Improvement Maintenance Access Platform

PT SKS Listrik Kalimantan

Desa Tumbang Kajuei, Kecamatan Rungan, Kabupaten Gunung Mas
Kalimantan Tengah 74561, Indonesia

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1. Definition

The following words and expressions shall have the meanings hereby:

- **“Acceptance”** means acceptance of Facilities by the Owner after the Facilities installed, commissioned and tested.
- **“Bid”** means the proposal submitted by the Contractor along with all documents/credentials/attachments, etc.
- **“Commissioning”** or **“Commissioned”** means the Facilities shall be considered to have been successfully commissioned if all Facilities have been supplied, installed, tested, and commissioned, provided that the actual value of performance guarantee have been meeting requirements as defined under this specification.
- **“Contract”** means the Contract Agreement entered into between the Owner and the Contractor, together with the Contract Documents referred to therein; they shall constitute the Contract, and the term “the Contract” shall in all such documents be construed accordingly.
- **“Contractor”** means the company whose Bid to perform the Contract has been accepted by the Owner and is named as such in the Contract Agreement, and includes the legal successors or permitted assigns of the Contractor.
- **“Defect Liability Period”** means the period of validity of the warranties including O&M of the Facilities from Commissioning date, during which the Contractor is responsible for defects with respect to the Facilities (or the relevant part thereof).
- **“Facilities”** shall mean all equipment and material, including software and accessories attached thereto, designed, supplied, constructed, and commissioned by Contractor in accordance with specification specified here under and/or Contract.
- **“Installation Services”** means all those services ancillary to the supply of the equipment for the Facilities, to be provided by the Contractor under the Contract; e.g., transportation and provision of marine or other similar insurance, inspection, Site preparation works (including the provision and use of Contractor’s equipment and the supply of all use structural and construction materials required), installation including civil and allied works etc., testing, Pre-Commissioning, Commissioning, operations, maintenance, the provision of operations and maintenance manuals, training of Owner’s personnel etc.
- **“International Standard Engineering and Maintenance Practice”** means at a particular time, those standards, practices, methods and procedures conforming to legal requirements and that degree of skill, diligence, prudence and foresight which would



reasonably be expected from a skilled and experienced maintenance Contractor, and/or engineer participating in electrical power generation industry and engaged in the same type of undertaking under the same or similar circumstances which would have been expected to accomplish the desired result at the lowest reasonable cost consistent with reliability, safety and expedition and in accordance with the standards and instructions referred to in the Scope of Works.

- **“O&M”** means Operation and Maintenance of the Facilities.
- **“OEM”** means Original Equipment Manufacturer, companies that produce or manufacture goods or components used in final products sold by other companies.
- **“OHSE”** means Occupational Health, Safety and Environmental.
- **“Operational Acceptance”** means the acceptance by the Owner of the facilities (or any part of the facilities where the Contract provides for acceptance of the facilities in parts), which certifies the Contractor’s fulfillment of the Contract in respect of Functional and Plant Performance Guarantees of the Facilities.
- **“Owner”** or the **“Company”** shall means PT SKS Listrik Kalimantan
- **“Plant”** means Kalteng-1 coal fired steam power plant namely PLTU Kalteng-1 (2x100 MW) which consist of Unit 1, Unit 2, and common facilities.
- **“Project Document”** means any drawing, specification, datasheet, calculation sheet, design description, P&ID, process flow diagram, and any other documents issued by Owner as a reference for Contractor in relation with the works to be performed under this document.
- **“Shop drawing”** means detailed drawings created by Contractors, fabricators, or manufacturers to illustrate specific aspects of a construction project. These drawings provide detailed information about the materials, dimensions, fabrication methods, and installation procedures for various components of the project.
- **“Safety Access Platform”** means access and or platform for supporting access during operation and or maintenance in several equipments and areas.

2. Introduction

PT SKS Listrik Kalimantan owns and operates a coal fired steam power plant with gross capacity 2x115 MW and sells electricity to PT PLN (Persero) under Power Purchase Agreement (PPA). The Plant is located in Tumbang Kajuei, Kecamatan Rungan, Gunung Mas Regency, and Central Kalimantan Province at coordinated 1 22' 27,6" S and 113 33' 59,1" S. The location is approximately 3.5-hours transportation by car from Palangkaraya.



The Company intend to built Safety Access Platform with total weight around 39 tons' trough lumpsum turnkey contract. The Safety Access Platform shall be installed in the several areas in the Plant. The Safety Access Platform will be used as a means of supporting safety in several equipment and areas.

3. Bidder Requirements

The bidder must posses proven experience in supply, design and installation of Safety Access Platform project with the following qualifications:

- 3.1. The bidder must hold valid business licenses to operate and perform its business activities in Indonesia and must comply with all applicable rules and regulations.
- 3.2. The bidder must posses no less than 5 years of experiences for supply, design and installation of steel access platform.
- 3.3. The bidder must have safety management system and preferably to hold relevance national and/or international certification related to occupational health, safety and environmental.
- 3.4. The bidder must perform site visit to familiarize itself with location of Safety Access Platform and the Plant, condition of size, space available, and other site conditions to enable a bidder to form a comprehensive proposal under this package. In case a bidder opts for not doing site visit, then the bidder is deemed to have satisfied itself with site condition as mentioned above and all and any risks associated with discrepancy or inadequacy of data for forming a complete proposal shall be borne by themselves.
- 3.5. Bidder shall, by submitting a tender, acknowledge that they have adequate knowledge of the site constraints and proposed installation details, consulted with all relevant authorities having jurisdiction over the project, and have assessed their full liabilities for all such works and costs required in carrying out the works specified and shown. No recognition will be granted of any claims for additional costs resulting from the Contractor's failure to comply with the above.
- 3.6. The bidder shall comply with requirements below
 - 3.6.1. Instructions to Bidder Form (attached in bid document).
 - 3.6.2. Offering letter.
 - 3.6.3. Copy of deed of company establishment.
 - 3.6.4. Supplier list and manufacture list.
 - 3.6.5. Surat Ijin Usaha Jasa Konstruksi (SIUJK).

4. Contractor Requirements

The Contractor shall perform access platform project following with requirements below:

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- 4.1. All equipment shall be according to design, manufacture and installation and shall be completed for satisfactory operation, control, maintenance and safety under all conditions of service.
- 4.2. At all times, and at the site operator's request, construction noise must be kept to a minimum at critical times.
- 4.3. Working Day: Sunday – Saturday 8:00 AM – 5:30 PM.
- 4.4. The Contractor shall submit all works procedures for Owner review and comments. If the Owner makes comments to any procedure of works, the Contractor must arrange revisions of such procedure to address the Owner's comment and must resubmit it to the Owner within 2 days of the Owner's comment.
- 4.5. The works procedures shall indicate detailed steps of works, tools and equipment, and method of works. It shall also indicate all tools & equipment and the specifications of such tools & equipment used during the execution of works.
- 4.6. In addition to the day to day coordination during the project duration, the Contractor is to allow for fortnightly project progress meetings. These meetings will discuss progress, OHSE, etc. The Contractor shall minute fortnightly meetings and minutes of the meetings should be provided within 2 days of the meeting date. These meetings would be attended by the Owner and the Contractor, required consultants and sub-Contractors. The Contractor shall report on a fortnight basis the following:
 - 4.6.1. All OHSE incidents.
 - 4.6.2. All quality non-conformances.
 - 4.6.3. Project program compared to contract program.
 - 4.6.4. Register of extension of time claims.
 - 4.6.5. Register of variations showing items to be approved and date approval is required.
 - 4.6.6. Register of design changes.
 - 4.6.7. Register of request for information showing items to be responded to and date response required.
 - 4.6.8. Forthcoming hold points and witness points.
 - 4.6.9. Works progress photographs.

5. Scope of Work

The Contractor shall design, supply equipment & materials, perform construction and installation of Safety Access Platform in several equipments and areas in the Plant. The Safety Access



Platform shall be designed and constructed in such a way that the construction and installation of Safety Access Platform shall not in anyway causes disruptions or impair the operational of the Plant or any parts thereof.

5.1. Scope of Engineering and Documents Submission

- 5.1.1. The Contractor shall site visit to the location of equipments or areas that need to be installed of Safety Access Platform as reference of design of Safety Access Platform
- 5.1.2. The Contractor shall design Safety Access Platform in accordance with specification herein and in accordance with international standards and Good Utility Practice.
- 5.1.3. The Contractor shall submit design documents for Owner review and/or approval, including but without limitation to the following documents:
 - 5.1.3.1. Design description and drawings.
 - 5.1.3.2. Construction drawing.
 - 5.1.3.3. Shop Drawing.
 - 5.1.3.4. As built drawing or document.
- 5.1.4. The Contractor shall provide OHSE manuals.
- 5.1.5. The Contractor shall provide project handover certificate.
- 5.1.6. The Contractor shall provide Quality Plan of Safety Access Platform, including Inspection and Test Plan (ITP) and Test Procedure.
- 5.1.7. The Contractor shall provide project schedule of Safety Access Platform project, including key milestone

5.2. Scope of Procurement and Logistic

- 5.2.1. The Contractor shall supply of complete materials of Safety Access Platform based on approved design.
- 5.2.2. The Contractor shall deliver the complete material of Safety Access Platform including manufacture certificate
- 5.2.3. The Contractor shall provide packing list of material prior to be dispatch and submit to Owner.
- 5.2.4. The Contractor shall provide storage management plan for receiving and storage of Safety Access Platform material. Storage area is provided by Owner.
- 5.2.5. All material purchasing is must confirmed and approved to Owner.



5.3. Scope of Construction and Installation

- 5.3.1. The Contractor shall provide manpower for installation, supervision, and quality control of Safety Access Platform.
- 5.3.2. The Contractor shall provide installation procedure including method of work, step by step of installation work of Safety Access Platform.
- 5.3.3. The Contractor shall provide equipment, tools and consumables for installation of Safety Access Platform.
- 5.3.4. The Contractor shall supply and install additional temporary roof safety hardware as required for lifting materials and working at heights for construction.
- 5.3.5. The Contractor shall provide project quality plan for installation of Safety Access Platform.
- 5.3.6. The Contractor shall provide construction report of installation of Safety Access Platform in daily, weekly and monthly basis.
- 5.3.7. The Contractor shall fabricate and install Safety Access Platform including civil works, structure works and painting of Safety Access Platform based on approved construction drawing. The equipments and area to be installed:

Description	Remarks
Platform IDF 2A & 2 B	
Platform SAF 2A & 2B	
Platform under ESP 1 & ESP 2	
Stair to Top Admin Building	
Platform Under Coal Feeder unit 1 & Unit 2	
Bridge for Top Access Workshop building to Logistic Building	
Stair Cage for Unit 1 GSUT	



- 5.3.8. The Contractor shall conduct inspection based on Inspection and Test Plant (ITP) and provide test report of Safety Access Platform.
- 5.3.9. The Contractor shall conduct housekeeping, remove and dispose of all associated wrapping, rubbish or debris related to the installation of the Safety Access Platform and deliver to designated area of waste after work completed.
- 5.4. Miscelenaeous
- 5.4.1. All employee of Contractor shall be complied and follow Indonesia Regulation Law, especially work permit (working VISA) for foreigner employee.
- 5.4.2. The Contractor shall provide equipment warranties as stated in *Section 7. General Warranty*.
- 5.4.3. Provision of warranty period from the date of practical completion.
- 5.4.4. The Owner must at all time have full access to the Contractor work. The Owner's personnel must have full access to witness any and all of the Contractor's work.
- 5.5. Temporary Facility Scope
- Owners will provide temporary facilities for Contractors :

C	Temporary facility Scope	Contractor	SLK
1	Dormitory		√
2	Mob and de-mob manpower	√	
3	Mob and de-mob tools and equipment (Inc. Delivery and customs clearance)	√	
4	Meals (breakfast, lunch, dinner) and drinking water	√	
5	Local transportation for manpower, material, equipment	√	
6	Safety PPE	√	
7	Site offices & rest shelter		√
8	Secure site - Safety Inspector facilities		√



6. Technical Specification

The Contractor shall perform Safety Access Platform and provide technical specification with requirements below:

6.1. General

The Contractor shall perform supply, design, installation, operation, maintenance, services, testing and inspection Safety Access Platform as documented, incorporating the following:

- 6.1.1. Material specification - ASTM A123-2001a Standard Specification for Zinc (Hot-Dip Galvanize)
- 6.1.2. Engineering design and testing - ANSI/NAAM Manual – MBG 534-14
- 6.1.3. Fabrication of Structural Steel & Miscellaneous Steel – AWS D1.1
- 6.1.4. Standard Specification for Structural Bolts Steel Heat Treated – ASTM A325
- 6.1.5. Standard Specification for Painting & Coating – SSPC

7. General Warranty

The Contractor warrants and guarantees that the Facilities and/or the work (i) will be free from any defects, including design defects, equipment and material defects, and workmanship; (ii) will be new and of the kind and quality specified in the Contract/Purchase Order or Technical Specification and fit for their intended purpose, (iii) will be performed in accordance with International Standard Engineering and Construction Practice and Good Utility Practice and (iv) will conform to the requirements of the Contract in all respects. The warranties set forth in the preceding sentence are hereinafter referred to as the “the General Warranty” and or “the General Warranties”, as the case may be.



If any parts of the Facilities or the work is found to be defect after Acceptance by the Owner, the Owner will notify the Contractor about such defects and the Contractor shall take corrective measure to repair or replace such defect no later than 30 days from the date of notification. If the Contractor repairs or replaces any part of the Facilities or the work pursuant to the General Warranties, then the part of the work repaired or replaced in connection therewith and any part of the equipment and materials repaired or replaced in connection therewith shall continue to be covered by the General Warranty or General Warranties for a period that the General Warranty for such defective items shall be re-calculated from the date of such repair or replacement is completed until the duration as mentioned in the above paragraph for respective components.

The Contractor must provide a warranty statement from the OEM which can be claimed through the Contractor and OEM. The Contractor shall responsible to ensure warranty is fully claimed.

8. Project Requirement

The Contractor shall provide Safety Access Platform project requirement as below:

- 8.1. Documentation Package (Hardcopy Covered, Softcopy Document and Editable Drawing)
 - 8.1.1. Site Acceptance Test
 - 8.1.2. Part List and Detail Part Specification
 - 8.1.3. Shipping Document
 - 8.1.4. Technical and Installation Drawing
 - 8.1.5. Safety Agreement and Contractor Safety Management System (CSMS)
 - 8.1.6. Final Document
 - 8.1.6.1. List of Content
 - 8.1.6.2. Company profile
 - 8.1.6.3. Company contact
 - 8.1.6.4. Certificate of company and personnel
 - 8.1.6.5. S-curve or progress report
 - 8.1.6.6. Daily, weekly, monthly report (photo attached)



8.1.6.7. Request for Inspection (RFI) and inspection list

8.1.6.8. As-Built Drawing (Hardcopy Covered, Softcopy Document and Editable Drawing) - In Separate Document

8.2. Documentation Requirement

8.2.1. Pre-Installation and Shop Drawing

Prior to the commencement of the installation of the Safety Access Platform, the Contractor shall provide detailed documentation and Shop Drawings for approval by Owner. The Contractor shall provide Shop Drawings a **maximum of 2 weeks** prior to the proposed commencement date for approval. The Pre-installation and Shop Drawings shall be provided by Contractor must include as minimum requirements below:

8.2.1.1. 'For construction' drawings including: Proposed Safety Access Platform layout drawings which are fully labelled and scaled in A3 format.

8.2.1.2. Fully detailed Scope of works document including details of all equipment supplied and description of works

8.2.1.3. OHSE Safety Plan which, includes site specific information on project details, first aid representation, evacuation procedures and locations, site isolation and signage requirements, proposed work areas and access, project roles and responsibilities and OHSE site specific issues.

8.2.1.4. Site specific safe work method statement and/or Job Safety Analysis (JSA)

8.2.2. Document

The installed Safety Access Platform manuals shall be supplied with three (3) copies (Hard-copy) & Soft-copy. The Contractor shall provide manuals include the following as a minimum:

8.2.2.1. The installation drawings shall include locations of equipment.

8.2.2.2. The Contractor shall insert their own company name and details into each drawing (as-built drawings become the responsibility of the Contractor).

8.2.2.3. All as-built drawings shall be clear and legible to the Owner's satisfaction.

8.3. Health, Safety, and Environmental



The Contractor shall perform the works in accordance with applicable government rules and regulations including rules and regulation related with health, safety, and environmental. The Contractor must ensure that the works be performed safely and without any harm to environmental. The Contractor must ensure that the execution of the work by the Contractor shall not caused harm to any other personnel, including but not limited to Owner's personnel, other Contractor's personnel, or any third party personnel.

The Contractor must at all time comply to the Owner's rules and regulation of Health, Safety, and Environmental regulations, including specific direction by the Owner to enhance the safety and environmental protection which may be issued by the Owner from time to time during execution of the works by the Contractor. The Contractor shall at all time comply with Heath, Safety, and Environmental regulation as attached to this document. The Owner may impose penalty to any Owner personnel who failed to comply with the Owner's HSE regulations. The Owner may also expel from the Plant any of the Contractor's personnel whom in the opinion of the Owner does not comply with the Owner HSE requirements.

8.4. Quality of Work

The Contractor shall perform the works with the highest quality standard and in accordance with Project Document, Good Utility Practice, International Standard Engineering and Maintenance Practice. The Contractor must provide adequate and competence quality control personnel to ensure that the quality of the works meets with the requirements under this document.

The Owner may reject any works if in the opinion of the Owner that such works does not meet the quality requirement under this document, Project Document or Good Utility Practice, International Standard Engineering and Maintenance Practice. If any works rejected by the Owner, the Contractor shall promptly take necessary action to rectify the works so that such works meet with quality requirements.

Upon completion of rectification works, the Contractor must submit notification to the Owner for further inspection. Any and all cost incurred for reworks shall be borne by the Contractor. Upon completion of the works and Unit commissioning, the Owner will evaluate the result and quality of the work.

The acceptance criteria of the works shall be based on the following documents:

8.4.1. Equipment standard based OEM.

8.4.2. International standards or power industry standards.



- 8.4.3. If there is no relevant quality standard for the above two items, both parties shall negotiate to solve the problem and be approved by the Owner.
- 8.4.4. Main technical and installation of Safety Access Platform shall reach or close to the design level.
- 8.4.5. The Contractor must submit daily report, inspection report, and completion report in accordance with format acceptable to the Owner. The Owner has right to review and make comment to the report submitted by the Contractor. If the Owner make comment to any report, the Contractor must revise such report and resubmit it to the Owner with 2 days of the Owner's comment.
- 8.4.6. The Contractor must submit inspection request in the form of Request for Inspection (RFI) in accordance with Inspection and Testing Plan approved by the Owner. Any Request for Inspection (RFI) must be submitted by the Contractor to the Owner in no less than 24 hours prior to inspection schedule.
- 8.4.7. Upon completion of the works, the Contractor may propose completion certificate to certify that the works has been completed by the Contractor in accordance with *General and Technical Requirement and Project Documents*. The Owner may review or comments the completion certificate or sign off such completion certificate if in the opinion of the Owner that all works has been completed by the Contractor in accordance with *General and Technical Requirement and Project Documents*.

9. Schedule of Works

Progress	2025			2025	
	Jun	Jul	Aug	Sep	Oct
Internal Technical Analysis					
Vendor Visit					
PR Created					
Technical Clarification					
Bidding					
PO Released					
Project Execution					
Project Handover (Include Document Package)					



10. Project Quality Objectives

The Contractor shall perform the works in accordance with requirement and Project Document.

The Contractor shall achieve quality objective as follows:

- 10.1. The completion rate of projects reaches 100%;
- 10.2. The completion rate of project test plan reaches 100%;
- 10.3. The completion rate of unit defect or punchlist elimination plan reaches 100%;
- 10.4. Project partial trial operation success rate reached 100%.

11. Owner's Responsibilities

Unless explicitly specified in this document or contract, the Owner shall have any other responsibility with regard to execution of the work. The Owner shall be responsible for:

- 11.1. Providing technical drawings of existing building.
- 11.2. Providing dormitory for Contractor's personnel but exclude food and drink water.
- 11.3. Providing electricity for project activities (just power resources).