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## Public Notice

# Purchasing of Special Tools for Vibration, Temperature and Hydraulic Pressure Maintenance at Jetty and Coal Handling Plant

### 1. Scope of Supply

Purchasing of Special Tools for Vibration, Temperature and Hydraulic Pressure Maintenance at Jetty and Coal Handling Plant

### 2. Bidding Type

- Domestic open bidding to select the lowest priced suppliers and evaluated by total price
- This bidding is conducted under one stage two cover bidding procedure (1 envelope for unprice document, administration requirements and technical requirements and 1 envelope of price document for the vendor who can pass the qualification).

### 3. Requirement for Qualification of Bidder

It is mentioned in document of INVITATION TO BID, Bidding Schedule of Purchasing of Special Tools for Vibration, Temperature and Hydraulic Pressure Maintenance at Jetty and Coal Handling Plant, Section 1.2.1.

### 4. Bid Closing date and Time on 11.00 WIB, **April 30, 2026.**

### 5. Invitation to Bid (ITB) and Additional Information

- Invitation to Bid (ITB) document copy or soft file is available in website PT. KPJB ([www.kpjb.co.id](http://www.kpjb.co.id)); or
- Email : [procurement34@kpjb.co.id](mailto:procurement34@kpjb.co.id) or [ulfa.lutfiana@kpjb.co.id](mailto:ulfa.lutfiana@kpjb.co.id)

### 6. Bid submission

To : Ulfa Nikmatul Lutfiana  
**Finance & Administration Division (KPJB-NR-2026-0057)**  
**PT. Komipo Pembangunan Jawa Bali (KPJB)**  
PLTU Tanjung Jati B Unit 3 & 4,  
Desa Tubanan, Kecamatan Kembang,  
Kabupaten Jepara, Jawa Tengah, Indonesia 59475  
Tel : 0291-4270493, Fax : 0291-4270601

### 7. Procedure for Submission Bid Document

- The bidding document shall be submitted in a sealed envelope by registered mail or direct submission after KPJB security's check not later than the bid closing date and time.
- Document title shall be marked in the envelope as "Purchasing of Special Tools for Vibration, Temperature and Hydraulic Pressure Maintenance at Jetty and Coal Handling Plant"



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Desa Tubanan Kecamatan Kembang  
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### **Bidding Schedule of Purchasing of Special Tools for Vibration, Temperature and Hydraulic Pressure Maintenance at Jetty and Coal Handling Plant**

<b>Target dates</b>	<b>Description</b>
April 23, 2026	✓ Approval for Procurement Plan including ITB
April 23, 2026	✓ Public Notice for Bidding through KPJB website ( <a href="http://www.kpjb.co.id">www.kpjb.co.id</a> )
April 30, 2026 (11.00 WIB)	✓ Bid document submission closing ✓ Receive bidding document and open bidding document
May 1, 2026	✓ Negotiation with the 1st Negotiable Bidder ✓ Report the result of negotiation and issue purchase order

## INVITATION TO BID

Purchasing of Special Tools for Vibration,  
Temperature and Hydraulic Pressure Maintenance at  
Jetty and Coal Handling Plant

(ITB No: KPJB-NR-2026-0057)

April 21, 2026

**PT. Komipo Pembangunan Jawa Bali**



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## **CHAPTER I**

### **BID NOTICE**

#### **1. General Notice**

##### **1.1 General**

###### **1.1.1 Introduction**

The Komipo Pembangkitan Jawa Bali (hereinafter referred to as "KPJB") duly organized by virtue of the law of the Republic of Indonesia and having its head office in Jepara, Indonesia intends to Purchasing of Special Tools for Vibration, Temperature and Hydraulic Pressure Maintenance at Jetty and Coal Handling Plant. In this regard, KPJB issues this Invitation To Bid (hereinafter referred to as "ITB") to provide the bidder who may participate in this bidding procedure with further information, such as the procedures and requirements for bidding, contractual terms and conditions, the scope of supply, delivery schedule, and technical specifications.

###### **1.1.2 Compliance with the ITB**

The bidder shall prepare and submit the bid in strict compliance with the procedures and requirements as provided in this ITB. Any failure to do so may be sufficient reason for KPJB to reject or to unfavorably evaluate the bid. The bidder shall be regarded as having been sufficiently acquainted with and having accepted all the contents of the ITB, unless otherwise stated in the bid.

###### **1.1.3 Definition of Terms**

The definition as provided in Article 1 of General Terms and Conditions for the Contract of Chapter II shall be applied to the terms employed in other Chapters, except where the context otherwise specifies.

###### **1.1.4 Languages**

The ITB is provided in English language and/or Bahasa Indonesia. The bid document, technical specifications and related documents shall be written in English and/or Bahasa Indonesia. Bid documents which are written in other languages will not be accepted by KPJB.



PLTU Tanjung Jati B Unit 3 & 4  
Desa Tubanan Kecamatan Kembang  
Kabupaten Jepara Jawa Tengah  
Indonesia 59475  
Tel: 0291-427-0491 Fax: 0291-427-0601

#### **1.1.5 Address**

The address of KPJB to which the bid should be sent is as follows:

To: Ulfa Nikmatul Lutfiana (PIC RFQ No. KPJB-NR-2026-0057)

Finance & Administration Division PT. KPJB

PLTU Tanjung Jati B Unit 3 & 4

Desa Tubanan, Kecamatan Kembang, Kabupaten Jepara

Jawa Tengah, Indonesia 59475

#### **1.1.6 Nullification of Bid**

The following bids shall become nullified:

- a. Bid which is submitted by a person not qualified for participation in this bidding;
- b. Bid which deviates from Article 1.2.2, Application for Participation in bidding;
- c. Bid which deviates from Article 1.2.3, Security Deposit for Bidding;
- d. Bid which is made by a person who does not submit a power of attorney by the time of bidding, or is not authorized;
- e. Bid which deviates from Article 1.3.11, Signature or Affixing a Seal;
- f. Bid which is submitted after the closing time for receiving bidders;
- g. Two or more bidders for the same item which are submitted by the same bidder for this bidding (except for alternatives, where permitted);
- h. Bid which does not contain the information and data required by this ITB;
- i. Bid which deviates from other essential requirements of the ITB as deemed by KPJB;

#### **1.1.7 Cost of Bidding**

The bidder shall bear his/her costs and expenses incurred in connection with participating in this bidding procedure processing of qualification procedure, bid evaluation and contract negotiation, and in no case shall KPJB be liable for such costs and expenses.

#### **1.1.8 Confidentiality of Information**

The bidder shall not disclose its bid to any third party who is not directly related with the preparation of the bid. KPJB will also keep the bid confidential unless required by the Government Procurement Agreement, by Indonesian laws and/or by the provisions of the ITB.



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#### **1.1.9 Title to Bid**

The bid document or other documents submitted to KPJB shall be the property of KPJB and shall not be returned to the bidder regardless of whether it is accepted or rejected by KPJB.

#### **1.1.10 Notice of ITB Amendment**

KPJB may amend or change the ITB, and, in such case, KPJB shall notify the bidders of the amendment or changes in writing. The amendment or changes will constitute a part of the ITB.

#### **1.1.11 Computation of Time**

Unless otherwise provided in the ITB, a period that is stated in the number of days or months will include Saturday and holidays, and in case the last date of the period or any specific day falls on a holiday, the day will be postponed to the closest following business day.

The date and time specified in the ITB is in line with the Western Indonesia Standard Time.

#### **1.1.12 Withdrawal of Bidding**

KPJB has the right to withdraw or postpone this bidding procedure, to invite to re-bidding, or to alter the scope of supply, the delivery schedule and others, at any time and without any liability to the bidder, if it is required due to changes in the concerned project, excess of the bid prices over KPJB's target price, failure in contract negotiations or other reasonable causes.

No claims for compensation with regard to the withdrawal, postponement, rebidding and/or alteration stated above will be accepted by KPJB.

#### **1.1.13 Restriction on Bidding Participation Eligibility for Unfair Supplier**

KPJB will restrict a supplier who might be detrimental to a fair execution of competition or a proper fulfillment of the contract, or who is deemed improper to participate in the bidding from participating in any bid invited by KPJB for the period of not less than one (1) month but not more than two (2) years.

#### **1.1.14 Miscellaneous**

The other matters regarding the qualification for participation in bidding and the matters not specified in this ITB shall be determined by KPJB.



## 1.2 Bidding Procedure

### 1.2.1 Qualification of Bidder

1. Applicants which can participate in this bidding shall meet all of the following requirements :
  - a. Professional, competent, resourceful and experienced Agency/Company/Distributor which is able to provide/supply of Purchasing of Special Tools for Vibration, Temperature and Hydraulic Pressure Maintenance at Jetty and Coal Handling Plant (Detail list of materials are specified in Chapter III).
  - b. Domestic Professional company which participates in this bidding shall submit a copy of contract/purchase order confirming that the company has an experience in supplying of materials and submit the consumables and/or list to be provided by this bidding with the evidence document.
  - c. Any business entity on the KPJB Black List is not allowed to participate in this Bidding.

## 2. Submission Documents (Unpriced Required Documents Envelope and Original Price Quotation Envelope

No.	Syarat Administrasi (Administration Requirement)
A.	
1	Asli Surat Penawaran (Original Unprice quotation) yang: <ol style="list-style-type: none"> <li>1. Description sesuai permintaan</li> <li>2. Bertanggal (dated)</li> <li>3. Bertanda tangan dan Cap Perusahaan (Company stamped)</li> <li>4. Menyebutkan waktu pengiriman sampai gudang sesuai permintaan (Time Delivery)</li> </ol>
2	Pengalaman Pekerjaan dengan total harga kontrak senilai minimal IDR 120.000.000 – <b>menyerahkan copy kontrak atau PO</b> (Work Experience for contract amount minimum IDR 120.000.000 – <b>submitting the copy of the contract or PO</b> )
3	Copy pembayaran pajak SSP (PPN) 3 bulan terakhir periode: November 2025, Desember 2025, Januari 2026 (Copy of last 3 month payment tax or period of: November 2025, December 2025, January 2026)
4	Original Bid bond 1% up to 3% from price quotation (including VAT) with the validity until <b>July 15, 2026.</b> - Bid bond should be issued by Bank based on DPJT list and format issued by PLN

	- Beneficiary of Bid bond to: PT. Komipo Pembangkitan Jawa Bali Desa Tubanan, Kecamatan Kembang, Jepara Jaminan Penawaran asli 1% sampai dengan 3% dari Penawaran Harga (termasuk PPN) dengan validitas sampai dengan <b>15 Juli 2026.</b>
5	Vendor participant must have registered CSMS Certificate (minimum : Low Risk Level) issued by PT. PLN (Persero) - submitting the copy of the document
<b>B.</b>	
1	Copy Surat Ijin Usaha Perusahaan – SIUP / BKPM (PMA) (copy of Business License )
2	Copy Surat Ijin Tempat Usaha – SITU / DOMISILI / HO (Copy of Domicile Certificate)
3	Copy Nomor Pokok Wajib Pajak - NPWP (Copy Tax ID number of company)
4	Copy Surat Pengukuhan Perusahaan Kena Pajak - SPPKP (Copy of Taxable Company Certificate)
5	Copy Tanda Daftar Perusahaan – TDP / NIB (Copy of Certificate Company Registration)
6	Copy Akte pendirian perusahaan/perubahan *jika ada (Deed of Incorporation)

**Note: Administration Requirement point B 1-6 is not required to be submitted if your company already registered in our SAP and the Company data submitted still valid until closing time. If any document not submitted by the suppliers, we will regard that the supplier fails and we will not open the price quotation document (price evaluation)**

*Catatan: Syarat Administrasi no. B 1-6 tidak perlu di kirimkan jika perusahaan anda sudah terdaftar di SAP kami dan data yang dahulu di kirimkan masih berlaku sampai dengan waktu penutupan bidding. Jika ada dokumen yang tidak di serahkan, kami akan menganggap bahwa supplier gagal dan kami tidak akan membuka dokumen penawaran harga (evaluasi harga).*

### 1.2.2 Application for Participation in Bidding

Applicants for this bidding shall meet all of the following requirements:

1. Address for participating in this bidding to the address set forth in article 1.1.5.
- ~~2. Bid documents shall be prepared and submitted as stipulated in article 1.3.~~



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3. Security Deposit for bidding as stipulated in article 1.2.3.
4. Other Documents requested by KPJB.

### **1.2.3 Submission of Bid**

1. The bid shall be submitted in writing either by hand or by mail including courier service. The bid shall be received by KPJB on or before the closing date and time as provided in Article 2.4. No late bid will be accepted. The bid which is submitted by a method other than those noted above shall not be accepted. It shall be the bidder's responsibility to assure that KPJB has duly received the bid.
2. Quotation shall be submitted addressed to Ulfa Nikmatul lutfiana (PIC RFQ No. KPJB-NR-2026-0057), F&A Division PT. KPJB PLTU Tanjung Jati B Unit 3&4 Tubanan, Jepara, in sealed envelopes for priced quotation and unpriced quotation separately.

### **1.2.4 Opening of Bid**

Unless otherwise advised by KPJB, Part II, Bid for Technical and Commercial Information will be opened immediately after receipt. Part I, Price Bid will be kept sealed and not be opened until the evaluation of the Bid for Technical and Commercial Information is completed. KPJB will advise the bidder of the time and place for the opening of the Price Bid at a later time. The Bidder shall dispatch a representative or duly authorized agent to be present during the opening of the Bid.

### **1.2.5 Bidding under the Renotification**

In the event that there is no more than one (1) qualified bids or KPJB cannot decide the successful bidder, or in the event the successful bidder does not enter into the contract, KPJB may put up for bidding under the public renotification. However, if the successful bidder refuses to enter into the Contract without any other justifiable reason, KPJB is entitled to exclude such bidder in the application for participation for re-bidding or bidding under the renotification.

## **1.3 Preparation of Bid**

### **1.3.1 Contents of Bid Documents**

The bid document shall be prepared respectively for using the Form of Bid as provided in Chapter IV, and the additional relevant materials which are required in the ITB or considered to be necessary for sufficient evaluation shall be attached thereto. The Form of Bid shall be complete in all respects, and, if necessary, the



bidder may modify the contents of the Form with sufficient explanation.

The Bid document shall consist of the followings:

1. Part I : Priced document (Price Specifications Bid)
  - a. Bid Price (Format in accordance with ITB Bid Price Form).
2. Part II : Un-Priced document (Commercial and Technical Bid)

### **1.3.2 Packaging Bid Documents**

The bid document shall be packaged in two separate envelopes; one for Part I, Bid for Price and the other for Part II, Commercial Information and Technical Specifications Bid, in accordance with Article 1.3.1. In particular, the Price Bid shall be sealed without fail. In addition, envelope for Part I and Part II shall be marked “**PRICED DOCUMENT**” and “**UN-PRICED DOCUMENT**” on the upper right. On the Upper left of each envelope shall be marked “ITB No: KPJB-NR-2026-0057, Purchasing of Special Tools for Vibration, Temperature and Hydraulic Pressure Maintenance at Jetty and Coal Handling Plant”

### **1.3.3 Quantity of Bid Documents**

The bidder shall provide the bid for each group in the following quantities:

1. Part I Bid for Price (Priced):
  - One (1) original document (Price data)
2. Part II Unpriced Required Document:
  - One (1) original document

### **1.3.4 Modification of Bid**

The bid shall be prepared without interlineations, alterations or erasures. However, if any corrections are necessary, each corrected part shall be sealed by a company seal for the domestic bidder or signed by an authorized representative for the foreign bidder.

### **1.3.5 Additional Documents**

In no event shall any change to the bid or additional documents be accepted by KPJB during the bid evaluation period except for the following documents:

1. Documents for the bidder's clarification which do not change the substance of the bid submitted;
2. Documents concerning the extension of validity of the bid or the Security Deposit;
3. Documents which are requested in writing by KPJB for the bid evaluation.

### 1.3.6 Exceptions to ITB

1. If there are deviations and exceptions from the ITB, the bidder has to submit commercial and technical terms respectively in accordance with the format of ITB Part IV. Otherwise, bidder will be regarded as having accepted all commercial and technical terms. If KPJB regards deviations and exceptions proposed by the bid as a major issue based on KPJB assessment, it can be ground for rejection of the bid.
2. If the bidder takes exception to the Technical Specifications as provided in Chapter II of the ITB, he/she shall itemize the differences with sufficient explanation to enable KPJB to evaluate the suitability of the exceptions.
3. Deviations and exceptions to Article 2.6.1 and 2.6.2 of this ITB for price bidding are not permitted.

### 1.3.7 Alternative

1. The bidder is encouraged to submit an alternative when he/she considers the alternative to be an improvement or more economical. The alternative shall be prepared in such a manner that it can be easily distinguished from the main bid, and that all alternative matters, including prices, shall be stated therein with sufficient explanation as to the benefits of these alternatives. The alternative shall be submitted and will be treated under the same requirements and procedure as that of the main bid.
2. KPJB will select a successful bidder according to the evaluation result of the main bid.
3. In the event that a successful bidder has proposed the alternative bid, KPJB has the right to negotiate either the main bid or alternative bid for the Contract.

### 1.3.8 Validity of Bid

The bid, including the Price, shall be bound as a firm offer and valid unconditionally for a period of **two (2) months** after the closing date for receiving the bid document. In case that KPJB requests the bidder to change some contents of his/her bid in connection with bid evaluation or contract negotiation, KPJB's request shall not be regarded as a rejection of the bid. KPJB, if necessary, may request the bidder to extend the validity of the bid.

### **1.3.9 Contradiction of ITB or Bid**

In the event that any contradictory or conflicting statement or figures in the ITB or the bids are found, those which treat an issue in more specific detail and greater depth shall prevail, unless otherwise clarified by KPJB or the bidder. If the bidder has questions about the meaning or interpretation of any part of the ITB, he/she may request KPJB's clarification in writing. KPJB will not be responsible for any verbal commitment.

### **1.3.10 Reference Data**

Any publications, data or information included for reference in the bid shall not be considered as the contents of the official bid, unless otherwise commented upon by the bidder.

### **1.3.11 Signature or Affixing a Seal**

The bid shall be signed by a duly authorized representative or sealed by the company or business firm seal, and the power of attorney or a certificate of a seal impression shall be attached thereto.

However, the signature of the person who is to be mandated can be accepted for the foreign bidders, in case that the company or business firm seal and the power of attorney are attached to the bid.

## **1.4 Bid Evaluation and Contract Award**

### **1.4.1 Criteria and Procedure of Bid Evaluation**

KPJB will fairly evaluate the bid in terms of the criteria and procedure set forth in Section 2 Special Instruction of the Chapter I, and if necessary, internal regulations or procedure of KPJB.

### **1.4.2 Principle of not opening the contents of Bid Evaluation**

The bid evaluation will be performed by KPJB and/or other entities designated by KPJB. The result of the bid evaluation made by KPJB shall be final and conclusive, and KPJB is not obliged to open to the public the matters concerning the evaluation unless required under the Government Procurement Regulation.

### **1.4.3 Clarification of Bid**

KPJB may request the bidder to clarify the contents of the bid by letter, email or through a meeting during the bid evaluation.



#### **1.4.4 Decision on the first negotiable Bidder**

In case where the competitive bidding is effectuated by one (1) valid bidder or more, KPJB will decide as the first negotiable bidder the person whose bid meets the essential requirements of the ITB and is the most advantageous to KPJB.

#### **1.4.5 Contract Negotiations and the Award of the Contract**

1. If it is deemed necessary, KPJB shall have the right to open the contract negotiations including the contract price with the first negotiable bidder. In such a case, if the result of the negotiations is satisfactory to KPJB, the first negotiable bidder will be the successful bidder who is awarded the contract, but, if the result of the negotiations with the first negotiable bidder is not satisfactory, KPJB may proceed in the negotiations with the next placed bidder without any liabilities to the first negotiable bidder.
2. KPJB is entitled to adjust scope of supply, technical specifications, contract conditions and contract price during the negotiation period.
3. The successful bidder shall submit the required documents for entering into a contract and a list breaking down the calculations for a contract price within three (3) days after being informed of having been awarded the contract and enter into a contract by signing contract within five (5) days after being informed of having been awarded the contract. However, if the successful bidder cannot enter into a contract due to incidents of Force Majeure or cases which KPJB deems acceptable, those days where such incidents occurred shall not be calculated.
4. The bidder who is applicable under above, shall submit the Performance Bond for a contract and the required documents to KPJB not later than contract signing date.
5. If KPJB issues a written Authorization to Proceed (ATP) to Contractor with respect to all or part of the Work hereunder prior to the effective date of the contract, all provisions hereof shall apply to the Work to the extent of such ATP, and Work shall be deemed to have been performed under the contract.



## 2. Special Notices

### 2.1 Scope of Supply

The scope of supply under the contract through this bidding is provided specifically in Chapter II and III.

### 2.2 Delivery Schedule

Not later than **90 calendar days after PO effective date.**

### 2.3 Closing Date and Time for Receiving Bid document

The bid document shall be submitted **not later than 11.00 WIB, April 30, 2026**

### 2.4 Bidding Type

1. This bidding is a domestic open bidding under the qualification for participation in bidding.
2. This bidding is conducted under **one stage two cover bidding procedure** which separates between commercial & technical evaluation and price evaluation.
3. This bidding is conducted by negotiations.

### 2.5 Requirements for Bid Price

The bidder shall submit the total bid price of the scope of supply according to the requirements and conditions as stipulated by the ITB and the price lists for each item and each stage as required in the attached price lists of Chapter IV.

#### 2.5.1 Bid Currencies

The bid price shall be denoted in **Rupiah (IDR).**

#### 2.5.2 Pricing Basis

In consideration of a price increase or a price decrease during the contract period, the bid price shall be the fixed price based on the scope of delivery and contract conditions as specified by this ITB. Thus, any and all possible fluctuations to be incurred during the contract period shall be reflected in the bid price.

#### 2.5.3 Delivery Terms

The bid price shall be quoted as **DDP (INCOTERMS 2020)** at PLTU Tanjung Jati B Unit 3 & 4 Site.

#### **2.5.4 Tax, Duties and Tariffs**

Bid prices shall include all the taxes, including the value-added tax (VAT), customs duties and other official charges in connection with the supply of the Goods and/or Services in the case of DDP. The VAT shall be excluded from the price of each item but included in the total bid price.

#### **2.5.5 Other Terms**

1. The bid price shall be submitted in compliance with the division of items as specified in bid format of ITB Chapter III and the bid for Commercial Terms. Any combination of an item unit is not permitted.
2. The supply of chemicals provided by subcontract of the bid shall be in compliance with Chapter II General Terms and Conditions for Contract.

### **2.6 Procedure and Criteria for Bid Evaluation**

#### **2.6.1 Procedure for Bid Evaluation**

1. The bid evaluation will be conducted in **two (2) steps**:
  - a. Unpriced Document Evaluation and;
  - b. Detailed Evaluation.
2. Any of the following bidders as a result of the Preliminary Evaluation shall be excluded from the Detailed Evaluation Procedure for Bid Evaluation.
  - a. Bidders as specified in Article 1.1.6 and 1.2.1 of general notice of CHAPTER I
  - b. Bidders with a delivery schedule which KPJB cannot accept
  - c. Bidders which cannot satisfy the major technical requirements
  - d. Bidders with deviations and exceptions to the major contents of the ITB.
3. After conducting the Unpriced Document Evaluation, KPJB will inform bidders who do not pass of their failure to meet requirements of the bid.
4. Bidders who pass the Unpriced Document Evaluation shall be subject to the Evaluation.
5. The bid document which is disqualified in the Step I Evaluation shall be excluded from Step II Evaluation. KPJB may request clarifications on the contents of the bid by letter or through a meeting (if necessary). If the bidder

rejects KPJB's request for clarification, the bid document may be excluded from Step II Evaluation or be unfavorably evaluated.

6. The event that any increase/decrease to Bid Price is required during the Detailed Evaluation due to changes in the scope of supply, technical specifications, contractual terms and conditions and so on, the bidder shall submit the amount of increase/decrease within the deadline established by KPJB, using the prescribed form and enclosing it in a sealed envelope.

## **2.6.2 Criteria for Bid Evaluation**

### **2.6.2.1 General Criteria**

1. In the preliminary evaluation, KPJB will evaluate as to whether the bid's major deviations and exceptions, if any, are acceptable as well as whether each bid meets the essential requirements in the ITB such as technical specifications.
2. In the Detailed Evaluation, KPJB will select the most advantageous bid by economic evaluation of the bid price and the relevant costs including technical evaluation. In this regard, the evaluation factors shall be as provided in Article 2.7.2.2.

### **2.6.2.2 Bid Evaluation and Evaluation Factors**

Major factors of bid evaluation are as follows:

1. Technical Evaluation
    - Scope of supply and Technical Differences
    - Brand and Model
    - Quality Assurance of chemicals and relevant services
    - Deviations and Exceptions to ITB's technical specifications
    - Other Required Matters
    - Delivery Schedule (how long delivery time PO is needed after PO effective date)
  2. Commercial Evaluation
    - Deviations and Exceptions to General Terms & Conditions and Special Terms & Conditions
    - Other required Matters
  3. Bid Price and Overall Economic Evaluation
    - Bid Price will be evaluated under Estimate Price prepared by PT. KPJB and if there are no Bidders price below estimate price, Bidding under re-notification will be applied.
-



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- Other required Matter

### **2.6.2.3 Bidding under the Re-notification**

In the event that there is only 1 (one) qualified bids or KPJB can not decide the successful bidder, or in the event the successful bidder does not enter into the contract, KPJB may put up for bidding under the public re-notification. However, if the successful bidder refuses to enter into the Contract without any other justifiable reason, KPJB is entitled to exclude such bidder in the application for participation for re-bidding or bidding under the re-notification.

## **2.7 Notice prior to Award**

- 2.7.1 The bidder's inquiry about the ITB and clarification of his bid in regard to commercial matters and technical matters including, but not limited to, price, bid validity and contractual terms and conditions shall be made to the following address and attention:

**To: Ulfa Nikmatul Lutfiana (PIC RFQ No. KPJB-NR-2026-0057)**

**Finance & Administration Division PT.**

**KPJB PLTU Tanjung Jati B Unit 3 & 4**

**Desa Tubanan, Kecamatan Kembang, Kabupaten Jepara**

**Jawa Tengah, Indonesia 59475**



## CHAPTER II

### TERMS AND CONDITIONS

#### GENERAL TERMS AND CONDITIONS FOR CONTRACT (GTC)

These General Terms and Conditions (GTC) are applicable to the Purchase Order (P/O) placed by PT. KOMIPO PEMBANGKITAN JAWA BALI (PT. KPJB) for the purchase of Equipment and/or Services as specified in the P/O, to which PT. KPJB and Supplier shall be bound.

#### Article 1 – Definitions

The following terms used herein shall have the meanings as set forth below:

- A. "PT. KPJB" means PT. KOMIPO PEMBANGKITAN JAWA BALI Which purchases the Equipment and/or Services hereunder, and which expression shall include its legal representatives, authorized agents, successors, and assignees.
- B. "Supplier" means the person, corporation, legal representatives and/or authorized agents that provide the Equipment and/or services under contract.
- C. "Contract" means the contract entered into by and between the parties, which concludes the P/O placed by PT. KPJB and acknowledged by Supplier for the purchases of the Equipment and/or services.
- D. "Party" means either PT. KPJB or Supplier as the case may be. "Parties" means both PT. KPJB and Supplier.
- E. "Equipment and/or services" means the machinery, components, parts, devices, appliances, apparatus, tools, goods and/or related services to be provided by the Supplier under contract.
- F. "Work" means all of the obligations and responsibilities to be performed by supplier hereunder, including the supply of the Equipment and/or services.
- G. "Local procurement" means procurement from the supplier in Indonesia.
- H. "Foreign procurement" means procurement from the supplier out of Indonesia

#### Article 2 – Effectiveness of the P/O

PO effective date is 2 (two) days after PT. Komipo Pembangkitan Jawa Bali approval date.

#### Article 3 –Contract Document and Language

3.1 The Contract documents consist of the P/O including the document attached thereto and this GTC. In case of any inconsistency between them, the P/O shall govern.

3.2 All documents and communications hereunder shall be in Bilingual (English language and Bahasa Indonesia) or English language.



#### Article 4 – General Provisions

- 4.1 The trade terms shall be subject to INCOTERMS 2000 and its amendments, unless otherwise provided in the contract.
- 4.2 The number of days shall be calculated based on the actual calendar days including Saturdays, Sundays and official holidays in Indonesia, and if any specific day falls on Saturday, Sunday or a holiday, the day shall be postponed to the immediately following business day.
- 4.3 The Equipment and/or Services to be provided hereunder shall conform to the applicable laws, regulations, codes, standards and the specifications hereof. Supplier shall provide the new and unused products suitable in all respects for the purposes intended herein and shall use the best possible design and engineering. The specifications not adequately described herein shall be in accordance with the best commercial practices.
- 4.4 Supplier shall be fully responsible for the work performed by its Sub-supplier.
- 4.5 All fittings necessary to complete the Equipment shall be provided by Supplier at no additional charge beyond the price specified in the P/O. No additional payment for ancillary items shall be made unless such items and prices thereof have been authorized by PT. KPJB in the P/O.

#### Article 5 – Interpretation

In the event of any disagreement between the Parties with respect to the provisions of the Contract, the interpretation of PT. KPJB shall govern, until an arbitration award is rendered in accordance with Article 15.

#### Article 6 – Terms of Payment

- 6.1 The P/O price specified in the P/O is fixed and is not subject to price fluctuations.
- 6.2 The P/O price shall be paid by means of bank account transfer or telegraphic transfer (T/T) or irrevocable letter of credit (L/C), as agreed to between the Parties, to Supplier against the Supplier's presentations of certificate of delivery of equipment or certificate of completion of work for local procurement, or the following transport documents for the foreign procurement:
- Commercial Invoice: one (1) original and three (3) copies.
- Clean on Board Ocean Vessel Bill of Lading or Air Waybill consigned to PT. KPJB : one (1) full set of original and three (3) copies
- Packing List : one (1) full set of original and three (3) copies
- Certificate of Manufacturer's Final Inspection : one (1) original and three (3) copies, not applicable
- Certificate of Origin : one (1) original and three (3) copies, not applicable
- Freight Forwarder's Certificate of receipt : one (1) original and three (3) copies, not applicable
- Other documents as required by the P/O.
- 6.3 In case of T/T payment for foreign procurement, Supplier shall promptly send the transport documents listed above to PT. KPJB and the payment shall be made within thirty (30) days after the delivery date, unless otherwise provided herein.



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6.4 In case L/C payment, Supplier shall submit the original copy of the transport documents listed above to the bank according to the L/C conditions and the copies of them shall be sent to PT. KPJB promptly. One (1) copy of the above documents shall be additionally enclosed in each package of the Equipment.

6.5 In case of Bank Account Transfer Payment for local procurement, the payment will be made by PT. KPJB within fourteen (14) days after invoice received by PT. KPJB after delivery or work completion.

6.6 Unless otherwise provided in the P/O, supplier shall bear any kind of banking charges and other expenses incurred in connection with the payment.

#### Article 7 – Delivery Terms and Shipment

7.1 Unless otherwise provided in the P/O, the delivery of the Equipment shall be effected hereunder in terms of Delivery to the designated place of the Power Plant site for local procurement, or FCA named place by PT. KPJB or a freight forwarder selected by PT. KPJB for the foreign procurement.

Supplier shall arrange shipment of the Equipment through PT. KPJB's freight Forwarder, if Supplier fails to do so and excess expenses are incurred to PT. KPJB thereby, he/she shall reimburse such expenses within thirty (30) days after PT. KPJB's request for payment.

7.2 Supplier shall notify PT. KPJB and the freight forwarder of delivery or shipping readiness by telefax or by any other official letter at the latest fifteen (15) days prior to readiness so that PT. KPJB may arrange the shipment and insurance coverage. Such notice shall include a port of loading, shipping items, total tonnage, cubic measurement, invoice amount and expected delivery date.

7.3 For foreign procurement, Supplier shall pack the Equipment in accordance with the best export-packing practices to prevent physical and environmental damage. Supplier shall be liable for any loss or damages caused by inadequate packing.

7.4 Any proper handling caution marks or instructions and the following information shall be durably marked on the surface of the package.

Consignee (PT. KPJB) and Consigner (supplier Name)

P/O No. and L/C No. (if applicable)

Port of Export and Destination

Item No. and Description specified in the P/O and Quantity

Net and Gross Weight and Cubic Measurement

Origin

Caution Marks such as Fragile (if applicable)

Material Safety Data Sheets (MSDS) and other related document for Hazardous material.

Other Markings as required.

7.5 Unless requested or approved by PT. KPJB, Supplier shall not deliver the Equipment early than one (1) month prior to the delivery schedule hereunder. In case of a breach thereof, PT. KPJB is entitled to delay the payment or claim interest to Supplier if already paid by L/C.



#### Article 8 – Liquidated Damages for Delayed Delivery

- 8.1 In the event that, for reasons attributable to Supplier and not excusable under Article 11, the delivery of any item of the Equipment is delayed beyond the delivery date provided in the P/O, Supplier shall pay liquidated damages to PT. KPJB, not as a penalty, in an amount of zero point one (0.1) percent of total contract amount for each day of delay unless otherwise provided in the P/O. The liquidated damages shall not exceed five (5) percent of the total P/O price.
- 8.2 PT. KPJB is entitled to deduct liquidated damages from any payment due supplier.

#### Article 9 – Performance Bond (if applicable)

- 9.1 Unless exempted by the P/O or approved by PT. KPJB, within twenty (20) days after the effective date of the P/O, Supplier shall establish a performance bond in favor of PT. KPJB in a form of a bank guarantee, certified check or irrevocable clean credit in an amount not less than ten (10) percent of the P/O price. The bond shall be valid until one (1) month after the expiry date of the warranty period or any extension thereof as provided in Article 10.
- 9.2 The bond shall be an absolute and unconditional guarantee and payable to PT. KPJB forthwith on PT. KPJB's simple demand of payment in the event that Supplier fails or refuses to promptly cure any default of its obligations hereunder.
- 9.3 A performance bond is not required on the following conditions
- Purchase Order amount is below IDR 500,000,000 or its equivalent currencies

#### Article 10 – Warranty

- 10.1 Supplier shall warrant that the Equipment and/or Services provided hereunder are free from defect in design, materials, workmanship, packing, title and patent. This warranty shall remain valid until twelve (12) months after the actual delivery date.
- 10.2 Upon receipt of PT. KPJB's notice of any defect, Supplier shall promptly correct the defect by repair, replacement, modification and/or reperformance at its own cost including transportation charges, duties, labor costs and removal costs incurred by such correction.
- 10.3 In the event that PT. KPJB decides not to correct or partially correct the defect, Supplier shall refund an equitable amount to PT. KPJB through mutual agreement.
- 10.4 If supplier fails to correct the defect as provided herein, PT. KPJB may reject the defective Equipment and procure the similar equipment elsewhere. In such event, Supplier shall return the amount paid by PT. KPJB and be liable for any excess costs incurred by PT. KPJB for such procurement.
- 10.5 The warranty period for the Equipment or Services corrected shall be extended by twelve (12) months from the completion date of such correction.
- 10.6 The warranties provided herein are exclusive and no other warranties shall apply.



#### Article 11 – Liabilities

11.1 Supplier shall be liable to and indemnify PT. KPJB for any injuries to person or property and, at its own expense, defend and hold PT. KPJB harmless against and from any claims or court actions raised by a third party, arising in connection with the performance of the Contract, to the extent they are derived from any fault, negligence, omission or willful action of Supplier or Sub-supplier.

11.2 Supplier's total liability for all claims hereunder, except those based on the title and patent infringement, shall not exceed the total P/O price.

11.3 Supplier shall not be liable for consequential or indirect damages.

#### Article 12 – Quality Assurance and Inspection

12.1 Supplier shall maintain a quality assurance program and be responsible for the testing and inspection of the equipment, at its own cost, in accordance with the applicable codes and standards and the requirement hereunder. Supplier shall retain quality – related records for the minimum retention period as required by the applicable codes and standards.

12.2 Supplier's inspection of the Equipment is to be final, unless otherwise provided in the P/O. However, PT. KPJB reserves the right to inspect the Equipment and/or witness the testing upon reasonable advance notice to Supplier.

12.3 Supplier shall deliver the Equipment which has complied with testing and inspection and issue a duly signed certificate of inspection for the Equipment.

#### Article 13 – Taxes

13.1 The Contractor shall be responsible for the payment of all Taxes, fees and assessments imposed or assessed by all local, state or national government authorities outside the Republic of Indonesia.

13.2 Company shall pay all taxes levied by local, state or national government authorities inside the Republic of Indonesia in connection with the performance of the Work under this Contract.

13.3 Each Party shall furnish to the other Party such information, notices, filings and receipts relating to taxes and duties as the other Party may reasonably request.

13.4 Supplier shall be fully responsible for submitting the copy of tax payment evidence (SSP) for this P/O payment not later than 60 days after invoicing document received by KPJB. If not submitted by the supplier until due date of tax payment evidence (SSP) submission, the supplier will be blacklisted and not be allowed to participate in any future bidding and/or procurement processed by KPJB.

#### Article 14 – Force Majeure

14.1 Neither Party shall be responsible to the other Party for failure or delay to perform all or any part of the Contract due to force majeure events beyond the reasonable control and without the fault or negligence of the affected Party such as (i) acts of God (ii) acts of the government or the public enemy (iii) fires (iv) floods (v) epidemics (vi) quarantine restrictions (vii) freight embargoes (viii) strikes or (ix) unusually severe weather. In such event, the affected Party is entitled to such extension of time to fulfill its obligations as may be reasonably necessary in the circumstances as agreed to between the Parties.



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14.2 The affected Party shall promptly notify in writing the other Party of occurrence of the force majeure event with the documents proving its occurrence.

14.3 If the Force Majeure event continues for sixty (60) days or more, then either party may terminate the Contract in whole or in part, and both parties shall settle outstanding liabilities, except for any claims of either party in connection with the termination.

#### Article 15 – Termination

15.1 PT. KPJB may terminate the contract, in whole or in part, if;

The liquidated damages to be imposed under Article 8 aggregate to ten (10) percent of the total P/O price and work is not expected to be completed within the schedule hereunder; or

Supplier materially fails to perform any of its obligations hereunder and does not cure the default promptly.

15.2 In such event, PT. KPJB may procure similar equipment or services from another vendor and Supplier shall be liable to PT. KPJB for the excess costs incurred by such procurement.

15.3 The rights and remedies of PT. KPJB in this Article shall be in addition to any other rights and remedies hereunder.

#### Article 16 – Arbitration

All disputes, controversies or differences which may arise between the Parties, out of or in connection with the Contract, or for the breach thereof, shall be finally settled by arbitration in Jakarta, Indonesia in accordance with the Commercial Arbitration Rules of the Indonesian Commercial Arbitration Board and under the law of Republic of Indonesia.

The award rendered by the arbitrator(s) shall be final and binding upon the Parties.

#### Article 17 – Governing Law

The contract shall be governed and interpreted by the laws of the Republic of Indonesia.

### CHAPTER III

### MATERIAL LIST

No.	Item Description			QTY	UNIT
1	Thermal Camera	Compact Thermal Camera	FLIR C5	Flir	5 Set
2	Bearing induction heater	SKF, Portable induction heater Including Bag	TWIM15/230V	SKF	1 Set
3	Bearing induction heater	SKF, Medium induction heater up to dia. 20-300 mm, 230 V	TIH 100M/230V	SKF	1 Set
4	Heat resistant gloves	SKF, Heat resistant gloves, Up to 150 deg C	TMBA G11 ET	SKF	3 Pair
5	Hydraulic jaw puller kit SET	Hydraulic jaw puller kit SET SKF	TMHC 110E	SKF	1 Set
6	TRUE- RMS MULTIMETER	Digital Multimeter Fluke 289 True RMS Data logging	FLUKE 289	FLUKE	1 Set
7	Hydraulic Pressure Test Kit	Hydraulic Pressure Gauge Test Kit Tester Meter Coupling Hydraulic, 4 buah Gauge, 4 buah Hose dan 10 buah Test Coupling	Max Work Pressure: 10000PSI/600BAR/60MPa	Bentlix	1 Set
8	Hydraulic jack set	SCR55H, 5 Ton, 5 in Stroke, Hydraulic Cylinder and Hand Pump Set	SCR55H	Enerpac	1 Set
9	Hydraulic Master Puller Set	Hydraulic Master Puller Set with Hand Pump	BHP2751G, 24 TON	Enerpac	1 Set
10	Vibration Analyzer & Data Collector	Completed with user training	A4900 Vibrio M	Adash	1 Set

Note: Please use A4 paper for all document bidding

## CHAPTER IV FORMS

### 4.1 Bid Form 4.1.1 Priced Document

### PRICE QUOTATION

COMPANY LOGO>

Quotation

No:

No.	Item Description				QTY	UNIT	Price (IDR)	
							Unit Price	Total
1	Thermal Camera	Compact Thermal Camera	FLIR C5	Flir	5	Set		
2	Bearing induction heater	SKF, Portable induction heater Including Bag	TWIM15/230V	SKF	1	Set		
3	Bearing induction heater	SKF, Medium induction heater up to dia. 20-300 mm, 230 V	TIH 100M/230V	SKF	1	Set		
4	Heat resistant gloves	SKF, Heat resistant gloves, Up to 150 deg C	TMBA G11 ET	SKF	3	Pair		
5	Hydraulic jaw puller kit SET	Hydraulic jaw puller kit SET SKF	TMHC 110E	SKF	1	Set		
6	TRUE- RMS MULTIMETER	Digital Multimeter Fluke 289 True RMS Data logging	FLUKE 289	FLUKE	1	Set		
7	Hydraulic Pressure Test Kit	Hydraulic Pressure Gauge Test Kit Tester Meter Coupling Hydraulic, 4 buah Gauge, 4 buah Hose dan 10 buah Test Coupling	Max Work Pressure: 10000PSI/600 BAR/60MPa	Bentlix	1	Set		
8	Hydraulic jack set	SCR55H, 5 Ton, 5 in Stroke, Hydraulic Cylinder and Hand Pump Set	SCR55H	Enerpac	1	Set		
9	Hydraulic Master Puller Set	Hydraulic Master Puller Set with Hand Pump	BHP2751G, 24 TON	Enerpac	1	Set		
10	Vibration Analyzer & Data Collector	Completed with user training	A4900 Vibrio M	Adash	1	Set		
<b>Sub Total</b>								
<b>VAT (11%)</b>								
<b>Total Amount</b>								

Term and Conditions:

1. Original certificate will be provided: **Original Surat Asal Usul and warranty letter from supplier (1 year).**



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2. The above price are included delivery cost to warehouse of PT. KPJB
3. Please mention Certificate is required at the delivery time
4. Payment will be made by Telegraphic Transfer (T/T) within fourteen (14) days after invoice received, attached with delivery or work completion report issued by PT. KPJB.
5. Please mention Bank Account that will be used for payment (including Bank Name, Bank Address)
6. Please mention Name of Director

Place, [Month] [Date] [Year]  
SIGN & COMPANY STAMP  
DUTY STAMP / MATERAI 10000  
Name  
(Title)



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#### 4.1.2 Unpriced Quotation Documents Format

### UN PRICE QUOTATION

<COMPANY LOGO>

Quotation

No:

No.	Item Description				QTY	UNIT	Delivery Time
1	Thermal Camera	Compact Thermal Camera	FLIR C5	Flir	5	Set	Not later than <b>90 calendar days after PO effective date</b>
2	Bearing induction heater	SKF, Portable induction heater Including Bag	TWIM15/230V	SKF	1	Set	
3	Bearing induction heater	SKF, Medium induction heater up to dia. 20-300 mm, 230 V	TIH 100M/230V	SKF	1	Set	
4	Heat resistant gloves	SKF, Heat resistant gloves, Up to 150 deg C	TMBA G11 ET	SKF	3	Pair	
5	Hydraulic jaw puller kit SET	Hydraulic jaw puller kit SET SKF	TMHC 110E	SKF	1	Set	
6	TRUE- RMS MULTIMETER	Digital Multimeter Fluke 289 True RMS Data logging	FLUKE 289	FLUKE	1	Set	
7	Hydraulic Pressure Test Kit	Hydraulic Pressure Gauge Test Kit Tester Meter Coupling Hydraulic, 4 buah Gauge, 4 buah Hose dan 10 buah Test Coupling	Max Work Pressure: 10000PSI/600 BAR/60MPa	Bentlix	1	Set	
8	Hydraulic jack set	SCR55H, 5 Ton, 5 in Stroke, Hydraulic Cylinder and Hand Pump Set	SCR55H	Enerpac	1	Set	
9	Hydraulic Master Puller Set	Hydraulic Master Puller Set with Hand Pump	BHP2751G, 24 TON	Enerpac	1	Set	
10	Vibration Analyzer & Data Collector	Completed with user training	A4900 Vibrio M	Adash	1	Set	

#### Term and Conditions:

1. Original certificate will be provided: **Original Surat Asal Usul warranty letter from supplier (1 year).**
2. The above price are included delivery cost to warehouse of PT. KPJB
3. Please mention Certificate is required at the delivery time
4. Payment will be made by Telegraphic Transfer (T/T) within fourteen (14) days after invoice received, attached with delivery or work completion report issued by PT. KPJB.
5. Please mention Bank Account that will be used for payment (including Bank Name, Bank Address)
6. Please mention Name of Director

Place, [Month] [Date] [Year]  
 SIGN & COMPANY STAMP  
 Name  
 (Title)



## 1.2 KPJB Contractor Safety Rules



**KPJB CONTRACTOR SAFETY RULES**  
**ATURAN KESELAMATAN KERJA KONTRAKTOR KPJB**

**Revision 00**  
**06 – 03 – 2020**

### 1. CONTRACTOR SAFETY PLAN

Prior to beginning work, Contractor shall prepare and submit Contractor's Health and Safety Plan to HSE of KPJB according to Site Safety Rule and KPJB Policies. Contractor shall submit the following requirements:

- 2.1. Copy of signed PO/Work Order/Appointment Letter.
- 2.2. Company Permit or License by Government.  
For special work (such as: underwater, radiography), contractor shall be completed with valid Company Permit or License by Government.
- 2.3. Work Instruction/Standard Operating Procedure (SOP).
- 2.4. Contractor should prepare work instruction or SOP which are detailed steps of how to conduct a specific job task and approved by KPJB Engineer's Representative.
- 2.5. Organization Chart.  
Contractor should prepare Organization Chart including contact number of related personnel involved on project.
- 2.6. Schedule of Project.  
Contractor should prepare work schedule approved by KPJB's Engineer Representative. In case there are any changes, updated schedule should be submitted.
- 2.7. List of Manpower.
  - The contractor attaches list of workers and copy of workers' ID involved on the project (KTP/SIM). Copy of Passport, Working Visa for Expatriate workers.
  - Minimum age of worker is 17 years old.
  - SKCK (Police record) is required during Maintenance and Planned Outage of KPJB.
- 2.8. Health Statement Letter.  
Hospital Record/Health Statement Letter from Hospital or *Puskesmas* is required for all involved workers; with statement letter's minimum validity is 1 (one) month.
- 2.9. Insurance.  
All workers must be protected by insurance, at least BPJS *Ketenagakerjaan* and/or BPJS *Jasa Konstruksi* for certain time and specific work contract, complete with its payment evidence.
- 2.10. Personnel Competency and Certification.  
Copy of workers' certificate shall be attached in accordance with the provisions:
  - Driver License: SIM A, B, C.
  - Operator License: forklift, lifting, gondola, rigger, crane, radiography.
  - Welder.
  - Scaffolding technician/operator and supervisor.
- 2.11. List of PPE, Tools and Emergency Equipment.
  - Contractor is required to identify and prepare appropriate PPE. PPE must be in accordance with applicable standards and conditions in KPJB.
  - Contractor shall provide safe and feasible tools and equipment's based on contract and scope of work.

- Contractor shall provide safety line/barricade, and safety sign refer to hazard identification.
- Contractor shall prepare emergency equipment to assist handling in certain conditions, i.e.: first aid box and initial fire handling, and so on.

### 2.12. Drawing / P & ID Diagram.

Contractor shall prepare project drawings or equipment's which have been approved by KPJB's Engineer Representative.

### 2.13. Risk Assessment.

Contractor shall conduct risk assessment and specific hazard control of conducted work in form of Job Safety Analysis (JSA). This document shall be approved by KPJB Engineer's Representative and HSE. JSA Document shall be informed to all involved workers.

### 2. SAFETY INDUCTION

- 2.1. Contractor shall ensure that all works have obtained KPJB's Safety Induction.
- 2.2. Safety Induction is conducted only after all Health and Safety Plan requirements have been fulfilled. Safety Induction is conducted based on designated schedule by KPJB's HSE.
- 2.3. Workers which have attended Safety Induction will get "Pass Safety Induction" sticker to easily identify.

### 3. PERSONAL PROTECTIVE EQUIPMENT

The contractor shall provide Personal Protective Equipment and long sleeve wear pack with contractor identification. Personal Protective Equipment shall be complying with relevant and applicable standards, including:

- 3.1. Safety helmets with chin strap, long sleeve wear pack/vests, safety shoes, and industrial safety glasses. Safety helmet color regulation in KPJB is:

Red	HSSE
Blue	Technical Advisor
Yellow	Contractor

- 3.2. Fall protection, safety body harness double hooks should be used for contractor's work in height risk or falling hazards area.
- 3.3. Other items of personal protective equipment shall be worn as required by risk assessment.

### 4. SECURITY AND ACCESS CONTROL

- 4.1. Enter and Exit access to Tanjung Jati B unit #3&4 Site is via Post Main Gate (PLN) and Security 2nd Gate (KPJB).
- 4.2. Contractors shall conduct registration for:

Yellow Visitor	Permitted only on Admin Building area;
Red Visitor	Permitted to enter site accompanied by KPJB's Employee (not permitted to conduct any works);
Workers' ID Card	Permitted to enter site and work according to approved PO



**KPJB CONTRACTOR SAFETY RULES**

**ATURAN KESELAMATAN KERJA KONTRAKTOR KPJB**

**Revision 00**

**06 – 03 - 2020**

- 4.3. Enter and Exit is permitted only in Daily working hour (Monday to Friday from 07.30 until 16.30).
  - 4.4. Contractor shall apply Notification of Overtime which approved and signed by PLN and KPJB for any works conducted outside daily working hours.
  - 4.5. For works which conduct in 24 hours' time schedule, Contractors shall regulate it into shift work system.
  - 4.6. Contractor is permitted to enter the site only if have fulfilled following items:
    - In a good/healthy condition.
    - Attended Safety Induction,
    - Obtain and/or change over the ID,
    - Wearing proper PPE,
  - 4.7. In case that Contractor need to enter or passing other Units aside from KPJB, they need to inform KPJB's HSE Division and follow the applicable procedures.
  - 4.8. All vehicles must meet the requirements of applicable State Laws concerning safe operation (i.e. driver license, brakes, lights, etc.).
  - 4.9. All personal cars must be parked in designated parking area, which is PLN parking area.
  - 4.10. Three wheels, pickup, and other such vehicles are prohibited from being used to transport of people.
  - 4.11. All vehicles shall be driven at speeds not to exceed the posted speed limit (20 km/h).
  - 4.12. All entry and exit material shall be carried to KPJB Procedure's KPJB-0956-10 Security Procedure:
    - All entry materials to KPJB should be completed with Delivery Instruction / PO / Delivery Order,
    - All exit materials should be completed with Material Gate Pass,
    - Documents and materials will be checked by Security Post Main Gate (PLN) and Security 2nd Gate (KPJB),
    - Material entry and exit to/from KPJB should be on daily working hour Monday to Friday 08.00 until 15.00. In case material in/out is not in daily working hour, contractor should prepare notification.
  - 4.13. Contractor shall be submissive and obedient to KPJB and PLN's applicable Security procedure.
  - 4.14. Workers and Visitors are prohibited to carry or conduct: smoking, any weapons, narcotics and alcoholic beverages.
- 5. MECHANICAL & ELECTRICAL TOOLS**
- 5.1. Contractor must ensure all tools and equipment's must be certified in good and safe condition. All safety devices are installed on all equipment's.
  - 5.2. Contractor ensures equipment's operation shall be in accordance with manufacturer instructions.
  - 5.3. Contractor ensures all broken equipment/tools are tagged or remove from working area so that it will not be used.
  - 5.4. The Contractor's portable lights shall be not more than 50V and provided with transformers.
  - 5.5. Portable Electric Tools and Equipment shall be double pole switched and generally shall be of Very Low Voltage type (less than 110V AC). Alternatively, if it is not possible for Portable Tools and Equipment to operate at Very Low Voltage and they are operated at 220-240V AC then protection by a Residual Current Device (RCD) shall be provided.
  - 5.6. All portable tools and equipment utilized on outdoor construction / installation sites shall be protected by Residual Current Device (RCD).
  - 5.7. RCD's shall be regularly tested to ensure correct operation and shall be provided with a test system for easy testing.
  - 5.8. The Contractor's mechanical & electrical tools shall be registered to Engineer's Representative, and have passed a Portable Mechanical & Electric Tools Test and be suitably tagged before allowed to use on site refers to KPJB Procedures Mechanical Electrical Tools Inspection.
  - 5.9. Installation of leads and cord shall be in proper installed to avoid tripping hazard and run over by vehicle/equipment.
  - 5.10. Prohibited to use double adaptor/plug, piggyback adaptor, and non-industrial electric multi socket (without fuse protection).
  - 5.11. Portable mechanical & electric tools test carried out by KPJB Mechanical & Electrical tools inspector and contractor engineer.
  - 5.12. Portable electric panel distribution board must be equipped with RCD, waterproofing, industrial type plug socket, refers to Indonesian PUIL standard.
  - 5.13. Electric Tools and Equipment that are not in use shall be unplugged and the cables tied to ensure no tripping hazards.
  - 5.14. If a fuse blows or an RDC is tripped, the Contractor's shall investigate the root cause and report the incident to the Engineer's Representative. If the problem is repeated, the Contractor's personnel shall cease work using the tools and equipment and Contractor's Supervisor shall request an electrician to attend and repair the fault.
  - 5.15. The contractor shall ensure that all gas cylinders for cutting and welding are placed on rack and fitted with suitable Flashback Arresters.
  - 5.16. Lifting tool and lifting tackle shall comply with Indonesian regulation in respect of the examination, test and maintenance record requirements.
- 6. SAFETY OFFICER / SAFETY MAN**
- 6.1. Contractors are mandatory to appoint Safety Officer/Safety Man which responsible during

- period of work to ensure all works are conducted safely and based on procedure. For specific work regulated as follows:
- One safety man for 20 employees is under the control of the contractor (either directly or as sub-contractors). This is also applies into multiples employees amount under control of the contractor.
  - Working condition is conducted within 24 hours.
  - Working condition which categorized as high risk work such as:
    - Confined space work;
    - Work on flammable area such as on Crusher, Tripper, H2 Plant, and Fuel Oil.
    - Work on hot and high pressure pipe.
    - Under water work.
- 6.2. The Safety Man / Safety Officer should be:
- Minimum certificated of *AK3 Umum*.
  - Understand with the relevant safety, health and environment regulation in Power Plant or Similar Industry.
  - Be capable of advising the contractor on the most appropriate control measures and systems of work in order to minimize risk.
- 7. GENERAL SITE SAFETY**
- 7.1. Contractor is obligated to complete all Permits to Work (PTW) and Safety Permit Form.
  - 7.2. Contractor is obliged to conduct briefing before start working. Risk and potential hazard on working area shall be informed to all workers during briefing session.
  - 7.3. Contractor shall prepare barriers that prevent unauthorized personnel from entering the work site.
  - 7.4. Contractors prepare sign, PPE instruction, and requirements needed to enter the work area.
  - 7.5. Contractor shall ensure machines and equipment are operated only by those who have been authorized and trained.
  - 7.6. Contractor must prepare safe and adequate lighting and ventilation at work site.
  - 7.7. Contractor shall ensure work area clean, tidy and safe. Loose materials, rubbish, tools and equipment placed around the work site shall be kept to a minimum to reduce of hazards.
  - 7.8. Contractor must protect the material/tools from falling while working at height and install warning signs.
  - 7.9. Contractor must ensure no exposed holes be left unattended at any time unless a fence can be erected strong enough to prevent a person falling into the hole.
  - 7.10. Contractor must ensure the walk way and stairways kept clean and free from obstructions. In addition, free access must always be maintained to safety showers, eyewash, and fire protection systems.
  - 7.11. Contractor shall ensure all equipment's/tools shall be inspected periodically and maintained in proper working condition. Any defect must be tagged: "do not use" and remove from service.
  - 7.12. Where the Contractor is required to perform welding, it is responsible for ensuring adequate screens are provided and maintained to protect passers-by from the electric arc and also from spatter produced by the welding process.
  - 7.13. Contractor should equip fire extinguisher at work place as well as should training to easily utilize by any kind of contractor employees.
  - 7.14. Contractor should thoroughly check and make a plan against any gas leakages before and after work prior to in connection with gas work, hermetical place work, welding work, to prevent fire from flammable hazard.
  - 7.15. Contractor should not use firefighting system as any other purposes during work period, such as cleaning, etc.
  - 7.16. KPJB does not permit the smoking of tobacco, in any form, by its workers, contractors in KPJB workplaces. Smoking permitted only in designated / permitted areas.
  - 7.17. Prohibited to take picture and/or video without permission on work location. Picture and video only permitted only for work report.
  - 7.18. Equipment and tools must be returned to their designated storage areas after use.
  - 7.19. Contractor shall be responsible for any damage or loss of the TJB 3&4 asset that is caused by the Contractors, its personnel and its sub-contractors.
  - 7.20. Contractor must complete the Safety Permit Form before performing high risk work, including:
    - Confined Space Work
    - Welding / Hot Work
    - Work at Height
    - Lifting Material
    - Excavation Work
    - Work Surface Water and Under Water
    - Radiography
    - Work with Chemical Hazard
    - Work with Electrical Hazard
- 8. MATERIAL HANDLING AND STORAGE**
- 8.1. Contractor has responsibility to ensure maximum safety in handling, moving, loading, and unloading materials.
  - 8.2. Special lifting tools shall be operated by authorized as well as competence personnel and based on its function.
  - 8.3. All materials stored in tiers shall be secured to prevent sliding, falling, or collapse.
  - 8.4. Flammable and Combustible Materials shall be stored with due in regard to their fire characteristics. Flammable and combustible material shall only be stored in approved containers and in appropriate quantities for the job site use.
- 9. HAZARDOUS MATERIALS AND MATERIAL SAFETY DATA SHEETS (MSDS).**



**KPJB CONTRACTOR SAFETY RULES**

**Revision 00**

**ATURAN KESELAMATAN KERJA KONTRAKTOR KPJB**

**06 – 03 - 2020**

- 9.1. Contractor shall provide a Materials Safety Data Sheet (MSDS) for all chemicals, and lubricants that will be intend to use in the performance of work.
  - 9.2. Contractor shall follow the requirements for storage, handling, and disposal of materials as set by the Engineer's Representative (Chemist/Warehouse/HSE) Division.
  - 9.3. Contractor ensures all chemicals must be stored, labeled, covered or inside at all times in approved containers and labeled as to contents.
  - 9.4. All contractor employees must use proper protective clothing and equipment to prevent contact with hazardous chemicals.
- 10. DISPOSAL OF HAZARDOUS AND NON-HAZARDOUS WASTE**
- 10.1. Contractor shall be responsible for the correct disposal of all waste generated in undertaking the work.
  - 10.2. Contractor shall analyze any waste generated by his work to identify and determine whether the waste is to be categorized as B3 or not, based on the B3 waste table listed in Government Regulation PP 101 of 2014 concerning B3 waste management.
  - 10.3. Contractor shall handle all B3 class wastes in a proper way that shall not contaminate the environment refer to KPJB Waste Handling Procedure KPJB-0957-03 Waste Management (Hazardous and Non Hazardous) and shall be actively coordinate with Environment Engineers of KPJB HSE Division.
- 11. SAFETY AND ENVIRONMENT CLEARANCE**
- Work is considered complete only if contractors have fulfilled following items:
- 11.1. Conduct Safety Clearance including prepare OSH report covering PTW Clearance, total working hours and Unsafe/Near-miss/Injuries (If any).
  - 11.2. Clean work area from residual work activity including dispose trash/waste accordance with KPJB's Procedure KPJB-0957-03 Waste Management.
  - 11.3. All equipment's, materials and other facilities belong to Contractors shall be immediately removed from working site.
- 12. EMERGENCY CONDITION**
- In an emergency condition, the contractor must play an active role in handling the initial emergency condition to prevent greater damage to assets and prevent accidents or fatality in accordance with their capabilities. Steps that can be taken by the contractor include:
- 12.1. Immediately notify Central Control Room (Ext: 20000). Inform clearly:
    - Reporter's identity,
    - Location,
    - Emergency condition (incident, fire, equipment failure, victims, etc.).
  - 12.2. Contractor performs emergency handling if have ability and safe to do (activate fire alarm, initial fire extinguishing, basic first aid, etc.).
  - 12.3. Contractor ensures their employee immediately go to the nearest assembly point, follow the sign or directive of evacuation officer.
  - 12.4. Contractor ensures that their workers get adequate first aid if any of their workers have a work accident, and help refer them to the hospital if needed.
- 13. HEALTH, SAFETY AND ENVIRONMENT VIOLATION SANCTION**
- Sanctions will be given to Contractors who violate the regulation of Safety and Environment Procedure, during normal or emergency working activity in KPJB area. Sanction as follows:
- 13.1. Direct Warning (1<sup>st</sup> Warning).  
Direct Warning & 1<sup>st</sup> warning letter is given to Contractor who violates Health, Safety and Environment regulation stated on KPJB Contractor Safety Rules.
  - 13.2. 2<sup>nd</sup> Warning.  
Official 2nd Warning Letter will be issued to Contractor in which during the same contract period, Contractors violate the regulation as stated on KPJB Contractor Safety Rules. Contractors also obliged to replace work supervisor and workers are given sanction and shall be put into blacklist workers/contractors and not allowed to conduct any works in KPJB area for 1 (one) Year.
  - 13.3. 3<sup>rd</sup> Warning Letter and Black List  
Third Warning Letter and Black List will be issued to contractors in which on the same contract period have conducted violation toward these regulations for the 3<sup>rd</sup> times and reinforced by valid violation evidences, KPJB will give sanction in form of Black List Contractors and not allowed to conduct any work/procurement of Service or Material in KPJB for 1 (one) Year.
- 14. ATTACHMENT**
- 14.1. KPJB – 0956 – 05 – 10 – FM – 01 Checklist Contractor Document Requirement



**ORIGINAL**

**1. BACKGROUND**

As per event record 2025 Unit 3&4 cause code “Other coal fuel supply problems up through bunkers” with code 0110 and remarks “Unit derating for replacement bearing on conveyor lines” as table below;

PT. KOMIPO PEMBANGKITAN JAWA BALI PLTU TANJUNG JATI B UNIT #3&4 EVENT RECORD 2025 UNIT 3 & 4											Doc Ref.	0954-01
											Form No.	KPJB-0954-01-ZZ-FM-01
											Design Division	Operation
											Revision Number	0.1
No.	Unit	Status	NMC	Load Max	Derating	Start Time	End Time	Duration Hour	Duration Equivalent	Code	Cause Code	Remark
7	Unit 4	FD	661,1	520,0	141,1	05/02/25 7:16	05/02/25 7:49	0,55	0,12	0250	Pulverizers feeders	Coal Feeder C trouble due to belt slip.
28	Unit 3	FD	661,1	500,0	161,1	02/05/25 14:20	02/05/25 14:55	0,58	0,14	0110	Other coal fuel supply problems up through bunkers	Unit derating for replacement of conveyor belt 109A tail pulley bearing, while conveyor belt 108B still in replacement process.
29	Unit 4	FD	661,1	500,0	161,1	02/05/25 14:20	02/05/25 14:55	0,58	0,14	0110	Other coal fuel supply problems up through bunkers	Unit derating for replacement of conveyor belt 109A tail pulley bearing, while conveyor belt 108B still in replacement process.
30	Unit 4	FD	661,1	417,42	243,68	02/05/25 14:55	02/05/25 16:15	1,33	0,49	0110	Other coal fuel supply problems up through bunkers	Unit derating for replacement of conveyor belt 109A tail pulley bearing, while conveyor belt 108B still in replacement process.
31	Unit 3	FD	661,1	412,25	248,85	02/05/25 14:55	02/05/25 18:55	4,00	1,51	0110	Other coal fuel supply problems up through bunkers	Unit derating for replacement of conveyor belt 109A tail pulley bearing, while conveyor belt 108B still in replacement process.
32	Unit 4	FD	661,1	383,29	277,81	02/05/25 16:15	02/05/25 18:55	2,67	1,12	0110	Other coal fuel supply problems up through bunkers	Unit derating for replacement of conveyor belt 109A tail pulley bearing, while conveyor belt 108B still in replacement process.
33	Unit 3	FD	661,1	500,0	161,1	02/05/25 18:55	02/05/25 20:12	1,28	0,31	0110	Other coal fuel supply problems up through bunkers	Unit derating for replacement of conveyor belt 109A tail pulley bearing, while conveyor belt 108B still in replacement process.
34	Unit 4	FD	661,1	500,0	161,1	02/05/25 18:55	02/05/25 20:12	1,28	0,31	0110	Other coal fuel supply problems up through bunkers	Unit derating for replacement of conveyor belt 109A tail pulley bearing, while conveyor belt 108B still in replacement process.
35	Unit 3	-	661,1	573,0	98,1	04/05/25 3:52	04/05/25 4:05	0,22	0,03	9291	Other fuel quality problems	Unit load suddenly decrease due to any changes of coal condition when in TF mode.
36	Unit 4	FD	661,1	587,33	73,77	19/05/25 20:55	19/05/25 21:43	0,80	0,09	0250	Pulverizers feeders	Coal Feeder F trouble due to the belt has blocked by big size of coal.
38	Unit 4	-	661,1	553,0	108,1	26/05/25 13:10	26/05/25 13:21	0,18	0,03	0250	Pulverizers feeders	Coal Feeder B trouble due to the belt slip.
45	Unit 3	-	661,1	470,0	191,1	18/06/25 23:50	18/06/25 0:00	0,17	0,05	0250	Pulverizers feeders	Coal Feeder B trouble due to the belt slip.
54	Unit 4	-	661,1	617,0	44,1	03/07/25 10:16	03/07/25 10:39	0,38	0,03	0250	Pulverizers feeders	Coal Feeder E trouble due to the chute of coal silo was clogged.
55	Unit 3	-	661,1	525,0	136,1	17/07/25 20:57	17/07/25 21:04	0,12	0,02	0250	Pulverizers feeders	Coal Feeder E trouble due to the belt has blocked by big size of coal.
89	Unit 3	-	661,1	400,0	261,1	17/09/25 13:25	17/09/25 13:35	0,17	0,07	0250	Pulverizers feeders	Coal Feeder F trouble due to the belt slip.
138	Unit 4	-	661,1	354,0	307,1	27/10/25 7:27	27/10/25 7:35	0,15	0,06	0250	Pulverizers feeders	Coal Feeder C trouble due to belt slip.

Table Event record 2025 Unit 3&4

For continuously supporting the obligation to fulfil all the silos as daily basis operation in Jetty and Material Division in 2026, sub division Mechanical, Electrical and Heavy Equipment maintenance urgently required the special tools in order to supporting the execution work such as checking of vibration, temperatures and hydraulic pressure at all equipment, several of the existing special tools has been broken, therefore JNM Division required to purchase those items in order to maintain the operation and maintenance activities at coal handling facilities.

**2. PURPOSE**

The purpose of this decision making as follow;

- To execute operation & maintenance programs at coal handling facilities especially for supporting best practice maintenance works execution including for heavy equipments
- Maintain the conveyor system reliability and continuously operation of coal handling facilities in order to supply the coal for boiler operation of power plant



**ORIGINAL**

PLTU Tanjung Jati B Unit 3 & 4  
 Desa Tubanan Kecamatan Kembang  
 Kabupaten Jepara Jawa Tengah  
 Indonesia 59453  
 Tel: 0291-427-0530 Fax: 0291-427-0539

**3. PURCHASE ITEM**

No	Item Description	Brand	Unit	Unit Cost (IDR)	Grand Total (IDR)	End User
1	Compact Thermal Camera for Operator FLIR C5	Flir	5 Set			2 Local Operator 1 Shift Foreman 1 Operator Dozer/Self Combustions 1 Office Staff/Leader
2	Bearing induction heater/Portable induction heater TWIM15/230V	SKF	1 Set			JNM Maintenance; Mechanic, Electrical, & HEM
3	Bearing induction heater/Medium induction heater up to dia. 20-300 mm, 230 V TIH 100M/230V	SKF	1 Set			JNM Mechanic & HEM
4	Heat resistant gloves Up to 150 deg C TMBA G11ET	SKF	3 Pair			JNM Maintenance; Mechanic, Electrical, & HEM
5	Hydraulic jaw puller kit SET TMHC 110E	SKF	1 Set			JNM Mechanic & HEM
6	Digital Multimeter Fluke 289 True RMS Data logging	Fluke	1 Set			JNM Electrical
7	Hydraulic Pressure Gauge Test Kit Tester Meter Coupling Hydraulic, 4 buah Gauge, 4 buah Hose dan 10 buah Test Coupling, Pressure: 10000PSI/600BAR/60MPa	Bentlix	1 Set			JNM HEM
8	Hydraulic jack set, 5 Ton, 5 in Stroke, Hydraulic Cylinder and Hand Pump Set/ SCR55H	Enerpac	1 Set			JNM Maintenance; Mechanic, Electrical, & HEM
9	Hydraulic Master Puller Set with Hand Pump/ BHP2751G, 22 TON	Enerpac	1 Set			JNM Maintenance; Mechanic, Electrical, & HEM
10	Vibration Analyzer & Data Collector, (Price excluded on site user training indoor & outdoor)	Adash	1 Set			Maintenance dedicated person for daily patrol
Sub Total						
VAT						
Grand Total						

Note: Price reference from online shop & website random, may deviated refer to actual transaction

**4. PROCUREMENT METHOD**

The procurement method by open bidding on website PT. KPJB

**5. BUDGETING**

- ✓ Source of Budget : 300100 (Consumable) Act Code 701
- ✓ Estimation of Budget : [Redacted] (incl VAT)
- ✓ Remaining of Budget : [Redacted] (incl January 08<sup>th</sup>, 2026)

<b>Budget Control</b>		
Budget Code : 701 JM 2A2		
PREPARED BY	REVIEWED BY	APPROVED BY
DATE :	DATE :	DATE :



**ORIGINAL**

PLTU Tanjung Jati B Unit 3 & 4  
Desa Tubanan Kecamatan Kembang  
Kabupaten Jepara Jawa Tengah  
Indonesia59453  
Tel: 0291-427-0530 Fax: 0291-427-0539

## 6. CONCLUSION

This equipment's was very important for supporting the day-to-day operation and maintenance activity therefore, we need to purchase as soon as possible.

## 7. ATTACHMENT;

- ✓ List item of Special Tools
- ✓ Photo Existing Broken Equipment
- ✓ Even Record 2025
- ✓ Data Sheet item Special Tools
- ✓ Internal remain budget of Jetty and Material Division updated January 8<sup>th</sup>, 2025

**ORIGIN**

No	Description	User Sub Division	Specification	Brand	Type	Qty	Unit	Price	Total Price
1	Thermal Camera	JNM Local & SR Operator	Compact Thermal Camera	Flir	FLIR C5	5	set		
2	Bearing induction heater	Mechanic	SKF, Portable induction heater Including Bag	SKF	TWIM15/230V	1	set		
3	Bearing induction heater	Mechanic	SKF, Medium induction heater up to dia. 20-300 mm, 230 V	SKF	TIH 100M/230V	1	set		
4	Heat resistant gloves	Mechanic	SKF, Heat resistant gloves, Up to 150 deg C	SKF	TMBA G11 ET	3	pair		
5	Hydraulic jaw puller kit SET	Mechanic	Hydraulic jaw puller kit SET SKF	SKF	TMHC 110E	1	set		
6	TRUE- RMS MULTIMETER	Electric	Digital Multimeter Fluke 289 True RMS Data logging	FLUKE	FLUKE 289	1	set		
7	Hydraulic Pressure Test Kit	Heavy Equipment	Hydraulic Pressure Gauge Test Kit Tester Meter Coupling Hydraulic, 4 buah Gauge, 4 buah Hose dan 10 buah Test Coupling	Bentlix	Max Work Pressure: 10000PSI/600BAR/60MPa	1	Set		
8	Hydraulic jack set	All	SCR55H, 5 Ton, 5 in Stroke, Hydraulic Cylinder and Hand Pump Set	Enerpac	SCR55H	1	set		
9	Hydraulic Master Puller Set	All	Hydraulic Master Puller Set with Hand Pump	Enerpac	BHP2751G, 2 1/2 TON	1	set		
10	Vibration Analyzer & Data Collector	Staff	Completed with user training	Adash	A4900 Vibrio M	1	set		
<b>SUB TOTAL</b>									
<b>VAT 11%</b>									
<b>GRAND TOTAL</b>									

# Portable induction heater

## A portable solution for bearing heating

The SKF portable induction heater TWIM 15 is designed for applications in maintenance jobs to heat up bearings that are mounted with an interference fit onto a shaft. Heating the bearing causes it to expand, which eliminates the need to use force during installation. Generally, using the TWIM 15 to generate a 90 °C (102 °F) temperature difference between the bearing and shaft is sufficient to enable installation. In addition, the TWIM 15 can be used to heat other ring-shaped, metallic components, providing flexibility of use.

Utilizing electrical power, the TWIM 15 features glass-fiber, high-temperature-resistant plastic construction that allows a low temperature difference between the inner and outer rings of the bearing. This helps to reduce internal tensions that are generated due to excessive thermal expansion of the inner ring compared to the outer ring.

The unit has a user-friendly LED control panel that requires no special training and is simple to understand. The panel is used to regulate temperature and also indicates that the TWIM 15 is operational.

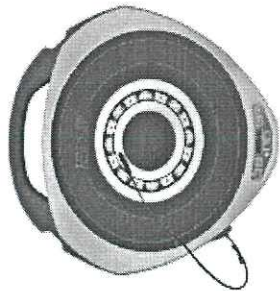
### TWIM 15 ADVANTAGES

- Innovative heating of bearings
- Portable, compact and lightweight
- No support yokes required
- Automatic temperature monitoring
- Detects bearing size and heats appropriately
- Different power levels
- User-friendly LED control panel
- Quiet operation

### THE TWIM 15 PORTABLE INDUCTION HEATER

#### PACKAGE INCLUDES:

- Portable induction heater TWIM 15
- Magnetic K-type 400 mm temperature probe TWIM 15-2
- Temperature-resistant gloves, TWBA 511
- Instructions for use



## Portable induction heater TWIM 15

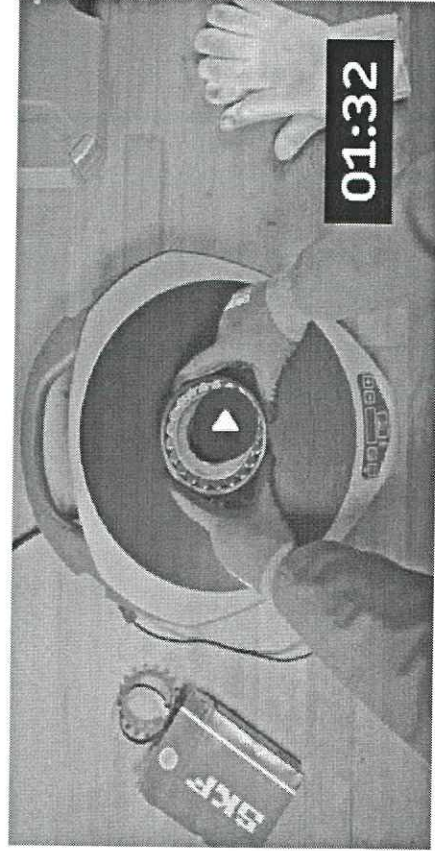
A portable solution for bearing heating, the TWIM 15 features glass-fiber, high-temperature-resistant plastic construction that allows a low temperature difference between the inner and outer rings of the bearing.

Buy this product online

Please select product designation below

Select product designation

Buy online



# Medium induction heater

## High heating capacity of up to 120 kg bearing

The SKF medium induction heater TIH 1000m has the same high standards of efficiency and performance as the smaller heater TIH 0500m, combined with increased capacity. The advanced design of the power electronics allows features of accurate electric current control, cut-outs to avoid overheating and controls on rate of temperature increase.

Placing the induction coil outside the heater's housing allows the heating of bearings weighing up to 120 kg (264 lb). The heater is equipped with thermal overheating protection to reduce the risk of damage to the induction coil and the electronics. In addition to temperature mode, the TIH 1000m is equipped with a time mode for heating components other than bearings. The heater is supplied standard with three yokes and is available in two executions: 230V/50-60Hz or 400-480V/50-60Hz.

- Standard swivel arm for large size yoke
- Capable of heating a 97 kg (213 lb) bearing in less than 20 minutes, saving time and energy
- 2-step power setting and smaller yokes allow heating smaller bearings safely and at lower power consumption
- Temperature mode pre-set at 110 °C (230 °F) to help prevent bearing over-heating
- Automatic demagnetization
- Foldable bearing support arms allow larger diameter bearings to be heated, and reduce the risk of the bearing tapping during heating



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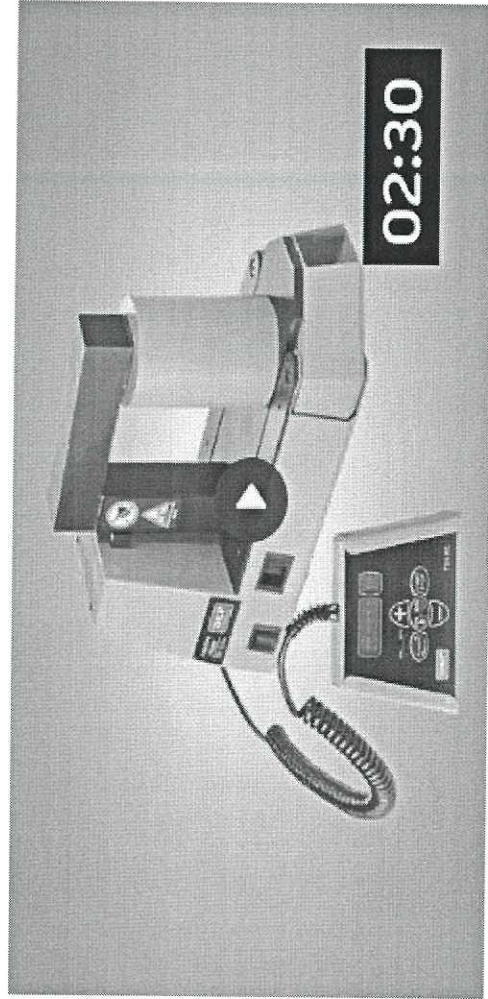
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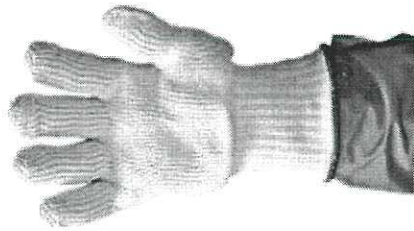
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### Demonstration video

The comprehensive SKF induction heater range can be used for efficiently heating bearings and work pieces, both large and small.





## Extreme temperature resistant gloves

For safe handling up to 500 °C (932 °F)

The TMBA G11ET gloves are especially designed for allowing the safe handling of heated bearings or other components for prolonged periods. They can withstand extreme temperatures of up to 500 °C (932 °F), without the presence of hot liquid or steam, with a high degree of non-flammability.

- Withstands extreme temperatures of up to 400 °C (752 °F) unless in the presence of hot liquid or steam
- Allows the safe handling of heated components
- High-degree of non-flammability reduces the risk of burning
- Extremely tough Kevlar gloves with high cut, abrasion, puncture and tear resistance for increased safety
- Non-allergenic
- Tested and certified for mechanical risks (EN 388) and thermal risks (EN 407)

Buy this product online

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↑ TOP TECHNICAL DATA MORE INFORMATION

### TECHNICAL DATA

Designation	TMBA G11ET	Documents and links
Material outer	Para-aramid	<a href="#">Instructions for use TMBA gloves (3.8 MB)</a>
Material middle	Para-aramid	
Material inner	Cotton	
Size	10	
Colour	Yellow	
Maximum recommended temperature	400 °C (752 °F)	
Pack size	1 pair	

# TMHC 110E

## Hydraulic puller kit

The TMHC 110E is a hydraulic puller kit that combines a jaw puller and a wrong back puller. The kit includes two arm sets with different lengths that can be used in 2-arm or 3-arm configuration and a back puller with a maximum reach of 200 mm (7.9 in.). The hydraulic spindle with safety valve enables safe and effortless dismantling for various bearings and components. The spring-loaded centre piece and self-locking puller arms further support safe and easy puller operation.

- Variable kit with two different arm lengths usable in 2-arm or 3-arm configuration and strong back puller
- Effortless dismantling with hydraulic spindle
- Self-locking arms minimise risks of slipping under load
- Spring-loaded centre point allows easy outer centring
- Supplied with two hydraulic spindle extension pieces to allow quick adaptation to required pulling length
- Hydraulic spindle is equipped with safety valve to prevent puller overload

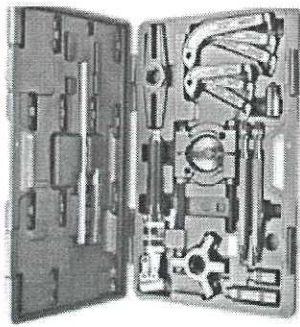


Image may differ from product. See technical specifications details.



### OVERVIEW COMPATIBLE PRODUCTS

Display in Metric Imperial

## Dimensions

Workpiece outer diameter range, using arms	Set 1: 50 to 110 mm Set 2: 75 to 170 mm
Reach, using arms (max)	Set 1: 25 mm Set 2: 115 mm
Claw height	0 mm
Claw length	15 mm
Claw width	25 mm
Hydraulic spindle, piston stroke	50 mm
Puller adaptor thread	UN 1.2 x 1.5-tpi
Workpiece outer diameter range, using separator	20 to 100 mm
Shaft diameter range, using separator	20 to 100 mm
Reach, using separator (max)	200 mm, using provided extension rods
Total spindle length	305 mm (incl. 2 available extension pieces)

## Properties

Recommended applications	For dismantling of bearings, gears, pulleys and other industrial ring shaped components from shafts in industrial, construction and agricultural applications. Option to choose from jaw puller or separator depending on the shape surrounding the component.
Suitable for workpiece dismantling from a cylindrical seating (straight shaft)	Yes
Suitable for bearing dismantling from a tapered seating (conical shaft)	Yes
Suitable for bearing dismantling from a sleeve (adapter or withdrawal sleeve)	Yes
Suitable for workpiece dismantling from a Bilha arrangement (housing with shaft)	No
Suitable for workpiece dismantling from a	No

# FLUKE®

## New Fluke 289 True-rms Industrial Logging Multimeter with TrendCapture

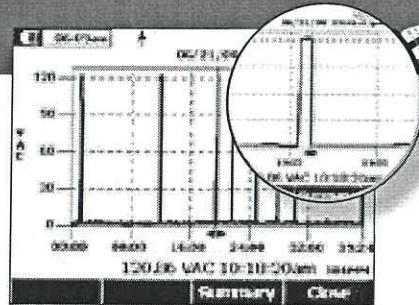
### Technical Data

#### The Best Just Got Better.

The new 289 is the next generation high performance industrial logging multimeter designed to solve complex problems in electronics, plant automation, power distribution, and electro-mechanical equipment. With the ability to log data and review it graphically on-screen, you can solve problems faster and help minimize downtime. Let the new 289 be your watchdog for systems or processes while you are off solving other problems.

#### Equipped with new functionality

- **New** – TrendCapture quickly graphically displays logged data session to quickly determine whether anomalies may have occurred
- **New** – Zoom on trend provides unprecedented ability to view and analyze TrendCapture data; zoom in up to 14 times
- **New** – Selectable ac filter (Smoothing mode) helps display a steadier reading when the input signal is changing rapidly or noisy
- **New** – Adjustable recording and auto hold thresholds, specify a percentage change in the readings that begins a new event
- **New** – Large 50,000 count, 1/4 VGA dot matrix display with white backlight
- **New** – Logging function with expanded memory for unattended monitoring of signals over time. Using on-board TrendCapture users can graphically review logged readings without needing a PC. Store up to 15,000 recorded events.
- **New** – Save multiple logging sessions before pc download is necessary
- **New** – Two terminal 50 ohm range with 1 milliohm resolution, 10 mA source current. Useful for measuring and comparing differences in motor winding resistance or contact resistance.
- **New** – Low Pass filter for accurate voltage and frequency measurements at the same time on adjustable speed motor drives and other electrically noisy equipment
- **New** – LoZ Volts. Low impedance voltage function for eliminating ghost voltages. Also recommended when testing for absence or presence of live power.
- **New** – **i** button. On board help screens for measurement functions. Unsure about a function—go to that function and press the “i” button.
- Real time clock for automatic time stamping of saved readings
- Relative mode to remove test lead resistance from low ohms or capacitance measurements
- True-rms ac voltage and current for accurate measurements on non linear signals
- Measure up to 10 A (20 A for 30 seconds)
- 100 mF capacitance range
- Peak capture to record transients as fast as 250  $\mu$ s
- Optional magnetic hanger for easy setup and viewing while freeing your hands for other tasks
- Optically isolated communication port for transferring data to pc (usb cable and software optional)
- Limited lifetime warranty



TrendCapture displays vDC logged date.



**Specifications**

Function	Range and Resolution	Basic Accuracy
DC volts AC volts	50.000 mV, 500.00 mV, 5.0000 V, 50.000 V, 500.00 V, 1000.0 V	0.025 % 0.4 % (true-rms)
DC current AC current	500.00 µA, 5000.0 µA, 50.000 mA, 400.00 mA, 5.0000 A, 10.000 A	0.15 % 0.7 % (true-rms)
Temperature (excluding probe)	-200.0 °C to 1350.0 °C (-328.0 °F to 2462.0 °F)	1.0 %
Resistance	50.000 Ω, 500.00 Ω, 5.0000 kΩ, 50.000 kΩ, 500.00 kΩ, 5.0000 MΩ, 50.00 MΩ, 500.0 MΩ	0.05 %
Capacitance	1.000 nF, 10.00 nF, 100.0 nF, 1.000 µF, 10.00 µF, 100.0 µF, 1000 µF, 10.00 mF, 100 mF	1.0 %
Frequency	99.999 Hz, 999.99 Hz, 9.9999 kHz, 99.999 kHz, 999.99 kHz	.005 %

Additional Functions/Features	Fluke 289
Multiple on screen displays	Yes
True-rms ac bandwidth	100 kHz
dBV/dBm	Yes
DC mV resolution	1 µV
Megohm range	up to 500 MΩ
Conductance	50.00 nS
Continuity beeper	Yes
Battery/fuse access	Battery/fuse
Elapse time clock	Yes
Time of day clock	Yes
Min-max-avg	Yes
Duty cycle	Yes
Pulse width	Yes
Isolated optical interface	Yes
Auto/touch hold	Yes
Reading memory	Yes
Log to PC	Yes
Interval/event logging	Yes
Logging memory	up to 15,000 readings

**Ordering information**

289 True-rms Industrial Logging Multimeter with TrendCapture

**Optional accessories**

- FVF-SC2 FlukeView® Forms Software with Cable
- TLK289 Industrial Test Lead Set
- i400 AC Current Clamp
- i410 AC/DC Current Clamp
- 80BK Integrated DMM Temperature Probe
- TPAK Magnetic Hanging Kit
- C280 Soft Case

**Fluke.** Keeping your world up and running.®

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**Fluke Europe B.V.**  
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In Canada (800)-36-FLUKE or Fax (905) 890-6866  
From other countries +1 (425) 446-5500 or Fax +1 (425) 446-5116  
Web access: <http://www.fluke.com>

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**General specifications**

**Maximum voltage between any terminal and earth ground:** 1000 V

**Battery type:** 6 AA alkaline batteries, NEDA 15A IEC LR6

**Battery life:** 100 hours minimum, 200 hours in logging mode

**Temperature:**  
Operating: -20 °C to 55 °C  
Storage: -40 °C to 60 °C

**Relative humidity:** 0 to 90 % (0 to 37 °C), 0 to 65 % (37 °C to 45 °C), 0 to 45 % (45 °C to 55 °C)

**Electromagnetic compatibility:** EMC EN61326-1

**Vibration:** Random vibration per MIL-PRF-28800F Class 2

**Shock:** 1 meter drop per IEC/EN 61010-1 2nd Edition

**Size (HxWxL):** 22.2 cm x 10.2 cm x 6 cm (8.75 in x 4.03 in x 2.38 in)

**Weight:** 870.9 g (28 oz)

## Hydraulic Pressure Gauge Bentlix

CY Svariframa Multi Global has a wide range of Pressure Meter products – search by type, or model, or filter by brand to find the one you are after. If you still can't find it contact us.



A quality hydraulic pressure tester from BENTLIX, a manufacturer specializing in heavy industrial equipment. Includes 4 gauges, 4 hoses, and 10 test connections.

BENTLIX Hydraulic Pressure Gauge, Hydraulic Test Kit, Hydraulic Test Gauges used for most Excavators

### Specifications Hydraulic Pressure Gauge Bentlix :

- Max Work Pressure: 10000PSI/600BAR/60MPa
- Contains:
  - Gauge: Ø63mm-0-100 Bar/0-1500 PSI, 1 PC
  - Gauge: Ø63mm-0-250 Bar/0-4000 PSI, 1 PC
  - Gauge: Ø63mm-0-400 Bar/0-6000 PSI, 1 PC
  - Gauge: Ø63mm-0-600 Bar/0-10000PSI, 1 PC
  - Test Hose Assembly Test hose: Length<sup>m</sup> 63IN, 4 PCS

### Test Coupling:

- Test coupling: G1/8, 1 PC
- Test coupling: G1/4, 1 PC
- Test coupling: G3/8, 1 PC
- Test coupling: M10\*1, 1 PC
- Test coupling: M10\*1.25, 1 PC
- Test coupling: M14\*1.5, 1 PC
- Test coupling: UNF7/16-20, 1 PC
- Test coupling: UNF9/16-18, 1 PC
- Test coupling: NPT1/4, 1 PC
- Test coupling: M8\*1.0, 1 PC

### Quick Release Coupling:

- Quick connector B compatible for Caterpillar/CAT/CASE/John Deere, 1 PC

# SC-Series, Single-Acting, Cylinder Pump Sets

**ENERPAC** 

▼ SCR1010H cylinder-pump set

**The Quickest and Easiest Way to Start Working Right Away**



**Speed Chart**

See the Enerpac Cylinder Speed Chart in our 'Yellow Pages' section.

Page:  409


- Optimum match of individual components
- All sets are ready-for-use
- Sets include 6 foot safety hose and gauge with gauge adaptor
- All pumps are two-speed.

**1 Cylinder Selection**  
(See Cylinder Section of this catalog for full product descriptions)

Set Capacity tons	Cylinder Model Number	Stroke (in)	Collapsed Height (in)
5	RC55 ✓	5.00	8.50
	RC102	2.13	4.78
10	RC106	6.13	9.75
	RC1010	10.13	13.75
15	RC154	4.00	7.88
	RC156	6.00	10.69
25	RC252	2.00	6.50
	RC254	4.00	8.50
	RC256	6.25	10.75
50	RC2514	14.25	18.75
	RC506	6.25	11.13
10	RCS101	1.50	3.47
	RCS201	1.75	3.88
30	RCS302	2.44	4.63
	RCS502	2.38	4.81
90	RCS1002	2.25	5.56
12	RCH121	1.63	4.75
	RCH202	2.00	6.31
30	RCH302	2.50	7.03
60	RCH603	3.00	9.75
100	RCH1003	3.00	10.00



**RC-Trio Series, Single-Acting, General Purpose Cylinders**  
For maximum versatility.

Page:  6




**RCS-Series, Single-Acting, Low-Height Cylinders**  
Ideal where space is restricted.

Page:  26



**RCH-Series, Single-Acting, Hollow Cylinders**  
For pushing and pulling applications.

Page:  34

*8a*

# Single-Acting Cylinder-Pump Sets

## SET SELECTION:

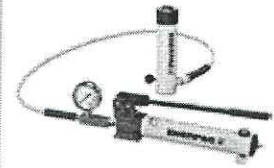
- 1 Select the cylinder
- 2 Select the pump
- 3 Find the set model number in the gray matrix



### GA45GC Gauge Adaptor Assembly

Protect yourself from system overloading by simply ordering one part number for a pre-assembled gauge, gauge adaptor and coupler.

## SC Series



Capacity:

**5 - 100 tons**

Stroke:

**1.50 - 14.25 inches**

Maximum Operating Pressure:

**10,000 psi**

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## SELECTION EXAMPLE

### Selected cylinder:

- RC106, Single-Acting cylinder with 6.13 inch stroke

### Selected pump:

- P392, Lightweight hand pump

### Set model number:

- SCR106H

### Included:

- HC7206 hose
- GF10P gauge
- GA2 adaptor

### Power Box











Tool box with hand pump, gauge adaptor assembly, hose and LW-, RC-, RCS, RSM- or WR-Series cylinder.

Page: 11

## 2 Pump selection (See the Pump Section in this catalog for full product descriptions.)

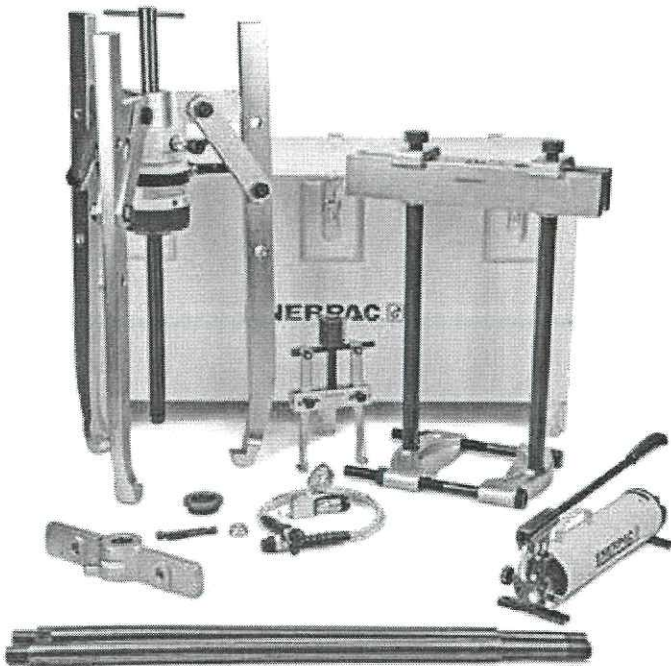
### Accessories included

Hand Pump	Hand Pump	Hand Pump	Foot Pump	XA-Series Air Pump	Hose Model Number	Gauge Model Number	Gauge Adaptor Model No.
P142	P392	P80	P392FP	XA11			
							
<b>SCR55H</b>	-	-	-	-	HC7206	GP10S	GA4
-	SCR102H	-	SCR102FP	SCR102XA	HC7206	GF10P	GA2
-	SCR106H	-	SCR106FP	SCR106XA	HC7206	GF10P	GA2
-	SCR1010H	-	SCR1010FP	SCR1010XA	HC7206	GF10P	GA2
-	SCR154H	-	SCR154FP	SCR154XA	HC7206	GP10S	GA2
-	SCR156H	-	SCR156FP	SCR156XA	HC7206	GP10S	GA2
-	SCR252H	-	SCR252FP	SCR252XA	HC7206	GF20P	GA2
-	SCR254H	-	SCR254FP	SCR254XA	HC7206	GF20P	GA2
-	SCR256H	-	-	SCR256XA	HC7206	GF20P	GA2
-	-	SCR2514H	-	SCR2514XA <sup>1)</sup>	HC7206	GF20P	GA2
-	-	SCR506H	-	SCR506XA <sup>1)</sup>	HC7206	GF50P	GA2
-	SCL101H	-	SCL101FP	SCL101XA	HC7206	GF10P	GA2
-	SCL201H	-	SCL201FP	SCL201XA	HC7206	GF230P	GA2
-	SCL302H	-	SCL302FP	SCL302XA	HC7206	GF230P	GA2
-	SCL502H	-	SCL502FP	SCL502XA	HC7206	GF510P	GA2
-	-	SCL1002H	-	-	HC7206	GF510P	GA2
SCH121H	-	-	-	-	HB7206	GF120P	GA4
-	SCH202H	-	SCH202FP	SCH202XA	HC7206	GF813P	GA3
-	SCH302H	-	SCH302FP	SCH302XA	HC7206	GF813P	GA3
-	-	SCH603H	-	SCH603XA <sup>1)</sup>	HC7206	GF813P	GA3
-	-	SCH1003H	-	-	HC7206	GP10S	GA2

<sup>1)</sup> With XA12 air pump.

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▼ Shown: Master Puller Set BHP5751G



## Multi Purpose Puller Set

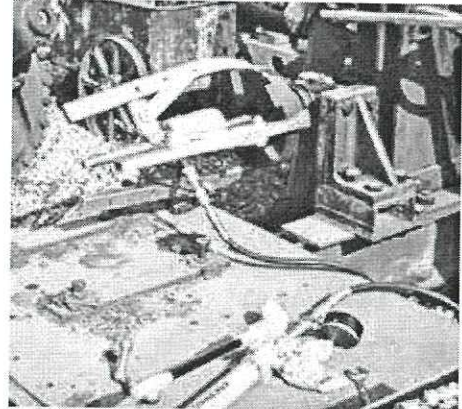


### WARNING

Do not exceed 50% of the rated puller capacity when using two jaw configurations, a double crosshead (2 grip arms) or when using puller legs in combination with bearing puller attachments.

- Supplied with a full hydraulic set including pump, hose, cylinder, gauge, gauge adaptor and wooden case
- High-quality, forged steel components provide superior reliability and service
- Sets include speed crank and adjusting screw for fast contact to work before hydraulics are applied
- All Master Puller Sets include a Grip Puller, a Cross Bearing Puller, a Bearing Cup Puller and a Bearing Separator, which can be ordered separately, see items nr. 10, 20, 30 and 40.

▼ Maintenance engineers throughout the industry greatly appreciate the Enerpac Master Puller sets.



### ▼ SELECTION CHART

Master Puller Set Capacity *		14 tons	24 tons ✓	36 tons	50 tons **	Page:
Model Number ▶	Set Weight ▶	BHP1752 <sup>1)</sup>	BHP2751G	BHP3751G	BHP5751G	
<b>Included Hydraulics</b>						
• Hand Pump		P142	P392 ✓	P392	P80	78-81 ▶
• Cylinder		RWH121900	RCH202 ✓	RCH302	RCH603	40 ▶
• Saddle		-	HP2015 ✓	HP3015	HP5016	41 ▶
• Hose		HC7206C	HC7206C	HC7206C	HC7206C	136 ▶
• Gauge + Adaptor		GA45GC	GA45GC	GA45GC	GA45GC	150 ▶
<b>Included Pullers</b>						
<b>10</b> Grip Puller		BHP1762	BHP252	BHP352	BHP552	159 ▶
<b>20</b> Cross Bearing Puller		BHP1772	BHP262	BHP362	BHP562	160 ▶
<b>30</b> Bearing Cup Puller		BHP180	BHP280	BHP380	BHP580	161 ▶
<b>40</b> Bearing Separator		BHP181	BHP282	BHP382	BHP582	161 ▶
• Case		CM6	CW350	CW350	CW750	

\* See warning on this page.

\*\* Puller capacity at 7,850 psi; maximum cylinder capacity at 10,000 psi is 60 tons.

<sup>1)</sup> Includes Adaptor FZ1055.



**A4900 VIBRIO M**

VIBRATION METER, ANALYZER, DATA COLLECTOR

MASTER THE LANGUAGE OF YOUR MACHINERY



10a



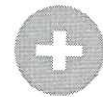
# A4900 VIBRIO M

## VIBRATION METER, ANALYZER, DATA COLLECTOR

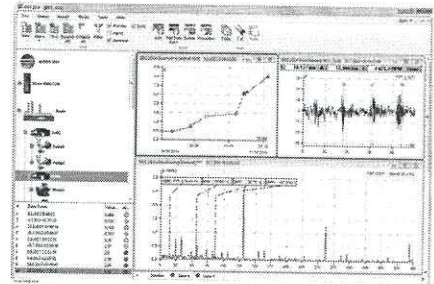
The A4900 - Vibrio M instrument allows you to perform all basic vibro-diagnostics measurements such as bearing condition, identification of mechanical faults and lubrication assessment.

The A4900 - Vibrio M is equipped with 4MB of memory for data storage. Data memory allows you to perform off-route and route measurements. The professional software DDS for Vibrio M can be downloaded from the Adash website free of charge.

Our expert system for automatic machine fault detection is included.



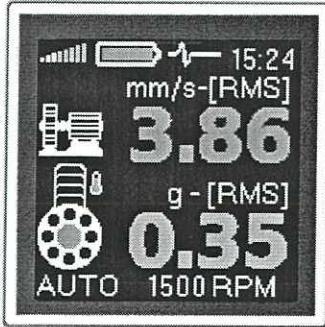
Free version of DDS software (limited database size)



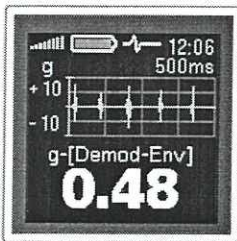
- Quality sensor
- Solid coiled cable
- Strong magnetic base

## MEASUREMENTS

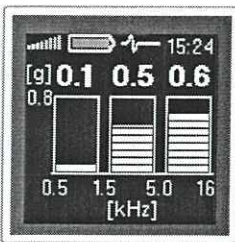
- › ISO value [mm/s, ips]
- › Bearing value [g]
- › ISO 10816-3 included
- › Automatic speed detection



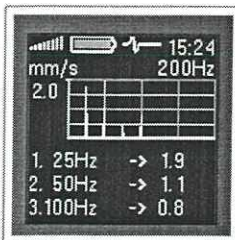
Overall values



Time signal



Frequency bands



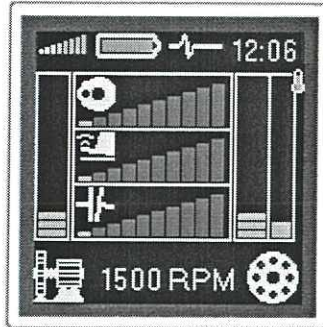
FFT Spectrum



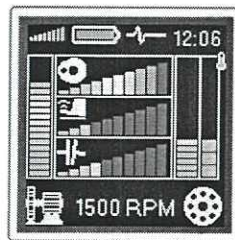
Route measurement

## EXPERT SYSTEM

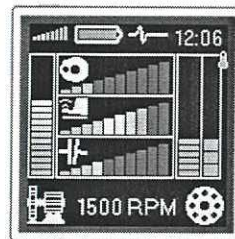
- › Enables automatic machine fault detection on site



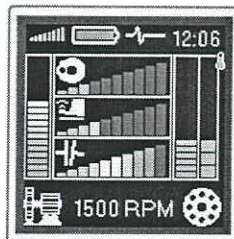
Machine OK



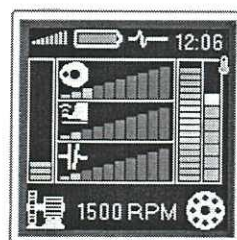
Unbalance



Looseness



Misalignment

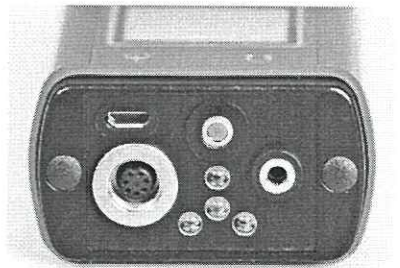


Bearing fault



## SIMPLE TO USE

- › Three button operation
- › All functions are predefined
- › Expert functions for fault detection
- › Colour graphic display



## TOP PANEL

- › ACC ICP® - sensor input
- › IR non-contact temperature sensor
- › LED stroboscope
- › Stethoscope output
- › Micro USB for data transfer



## INDUSTRIAL DESIGN

- › Heavy-Duty aluminium case
- › 2AA rechargeable or AA alkaline batteries
- › 8 hours of operation

## A4900 VIBRIO M TECHNICAL SPECIFICATIONS:

<b>Input:</b>	1 x ICP® powered accelerometer
<b>Input range:</b>	60 g PEAK with standard 100 mV/g sensor (e.g. 600 g PEAK for 10 mV/g sensor, the sensitivity is editable in the unit)
<b>Measurements:</b>	Velocity RMS: 10 - 1000 Hz [mm/s, ips] Velocity PEAK: 10 - 1000 Hz [mm/s, ips] Acceleration RMS: 500 - 16 000 Hz [g] Acceleration Peak: 500 - 16 000 Hz [g] Velocity time: 1 - 1000 Hz [mm/s, ips], 2048 samples * Velocity spectrum: 1 - 1000 Hz [mm/s, ips], 800 lines Acceleration time: 1 - 16 000 Hz [g], 2048 samples* Acceleration spectrum: 1 - 16 000 Hz [g], 800 lines* Acceleration Demod-Envelope RMS: 500 - 16 000 Hz [g] Acceleration Demod-Envelope Peak: 500 - 16 000 Hz [g]* Acceleration Demod-Envelope time: 500 - 16 000 Hz [g], 2048 samples Acceleration Demod-Envelope spectrum: 500 - 16 000 Hz [g], 800 lines, range 400 Hz* Displacement RMS: 2 - 100 Hz [µm, mil] Displacement O-Peak: 2 - 100 Hz [µm, mil] Displacement Peak-Peak: 2 - 100 Hz [µm, mil] Temperature non-contact measurement: 0 - 380°C (32 - 716°F)
<b>Other functions:</b>	LED stroboscope (0.17-300 Hz, 10 - 18 000 RPM) LED torch Vibration stethoscope
<b>Memory:</b>	4 MB for data 900 measurements of 800 line spectra or 2048 sample time signals may be stored
<b>Data storing:</b>	Off-Route Route with DDS software for Vibrio M (free download)
<b>Interface:</b>	USB 2.0 compatible
<b>Software:</b>	Free version of DDS software (limited database size)
<b>Display:</b>	Colour graphic OLED display 128x128 pixels, diagonal 1.5" (38 mm)
<b>Output:</b>	1 x AC signal 8 Ω / 0,5 W for external headphones (signal listening)
<b>Power:</b>	2 x AA 1.5V batteries (alkaline, NiMH, Lithium - 8 hours of operation)
<b>Temperature:</b>	Operating: -5°C to 55°C
<b>Dimensions:</b>	150 x 60 x 35 mm
<b>Weight:</b>	330 g including batteries (without cable, sensor and magnet) 540 g including batteries, cable, sensor and magnet
<b>Accessories:</b>	vibration sensor, coiled cable to connect vibration sensor, magnetic base for vibration sensor, headphones with 3.5 mm jack, USB cable, measuring tip for manual pressure on the sensor, transport case, USB flash disc with the manual

\*available in DDS software for Vibrio

MASTER THE LANGUAGE OF YOUR MACHINERY



Wd

## GENERAL TERMS AND CONDITIONS FOR CONTRACT (GTC)

These General Terms and Conditions (GTC) are applicable to the Purchase Order (P/O) placed by PT. KOMIPO PEMBANGKITAN JAWA BALI (PT. KPJB) for the purchase of Equipment and/or Services as specified in the P/O, to which PT. KPJB and Supplier shall be bound.

**Article 1 – Definitions**

The following terms used herein shall have the meanings as set forth below:

- A. "PT. KPJB" means PT. KOMIPO PEMBANGKITAN JAWA BALI Which purchases the Equipment and/or Services hereunder, and which expression shall include its legal representatives, authorized agents, successors, and assignees.
- B. "Supplier" means the person, corporation, legal representatives and/or authorized agents that provide the Equipment and/or services under contract.
- C. "Contract" means the contract entered into by and between the parties, which concludes the P/O placed by PT. KPJB and acknowledged by Supplier for the purchases of the Equipment and/or services.
- D. "Party" means either PT. KPJB or Supplier as the case may be. "Parties" means both PT. KPJB and Supplier.
- E. "Equipment and/or services" means the machinery, components, parts, devices, appliances, apparatus, tools, goods and/or related services to be provided by the Supplier under contract.
- F. "Work" means all of the obligations and responsibilities to be performed by supplier hereunder, including the supply of the Equipment and/or services.
- G. "Local procurement" means procurement from the supplier in Indonesia.
- H. "Foreign procurement" means procurement from the supplier out of Indonesia

**Article 2 – Effectiveness of the P/O**

PO effective date is 2 (two) calendar days after PT. Komipo Pembangkitan Jawa Bali approval date.

**Article 3 – Contract Document and Language**

3.1 The Contract documents consist of the P/O including the document attached thereto and this GTC. In case of any inconsistency between them, the P/O shall govern.

3.2 All documents and communications hereunder shall be in Bilingual (English language and Bahasa Indonesia) or English language.

**Article 4 – General Provisions**

4.1 The trade terms shall be subject to INCOTERMS 2000 and its amendments, unless otherwise provided in the contract.

4.2 The number of days shall be calculated based on the actual calendar days including Saturdays, Sundays and official holidays in Indonesia, and if any specific day falls on Saturday, Sunday or a holiday, the day shall be postponed to the immediately following business day.

4.3 The Equipment and/or Services to be provided hereunder shall conform to the applicable laws, regulations, codes, standards and the specifications hereof. Supplier shall provide the new and unused products suitable in all respects for the purposes intended herein and shall use the best possible design and engineering. The specifications not adequately described herein shall be in accordance with the best commercial practices.

4.4 Supplier shall be fully responsible for the work performed by its Sub-supplier.

4.5 All fittings necessary to complete the Equipment shall be provided by Supplier at no additional charge beyond the price specified in the P/O. No additional payment for ancillary items shall be made unless such items and prices thereof have been authorized by PT. KPJB in the P/O.

**Article 5 – Interpretation**

In the event of any disagreement between the Parties with respect to the provisions of the Contract, the interpretation of PT. KPJB shall govern, until an arbitration award is rendered in accordance with Article 15.

**Article 6 – Terms of Payment**

6.1 The P/O price specified in the P/O is fixed and is not subject to price fluctuations.

6.2 The P/O price shall be paid by means of bank account transfer or telegraphic transfer (T/T) or irrevocable letter of credit (L/C), as agreed to between the Parties, to Supplier against the Supplier's presentations of certificate of delivery of equipment or certificate of completion of work for local procurement, or the following transport documents for the foreign procurement:

- A. Commercial Invoice: one (1) original and three (3) copies.
- B. Clean on Board Ocean Vessel Bill of Lading or Air Waybill consigned to PT. KPJB : one (1) full set of original and three (3) copies
- C. Packing List : one (1) full set of original and three (3) copies
- D. Certificate of Manufacturer's Final Inspection : one (1) original and three (3) copies, not applicable
- E. Certificate of Origin : one (1) original and three (3) copies, not applicable
- F. Freight Forwarder's Certificate of receipt : one (1) original and three (3) copies, not applicable
- G. Other documents as required by the P/O.

6.3 In case of T/T payment for foreign procurement, Supplier shall promptly send the transport documents listed above to PT. KPJB and the payment shall be made within fourteen (14) days after the delivery date, unless otherwise provided herein.

6.4 In case L/C payment, Supplier shall submit the original copy of the transport documents listed above to the bank according to the L/C conditions and the copies of them shall be sent to PT. KPJB promptly. One (1) copy of the above documents shall be additionally enclosed in each package of the Equipment.

6.5 In case of Bank Account Transfer Payment for local procurement, the payment will be made by PT. KPJB within fourteen (14) days after invoice received by PT. KPJB after delivery or work completion.

6.6 Unless otherwise provided in the P/O, supplier shall bear any kind of banking charges and other expenses incurred in connection with the payment.

**Article 7 – Delivery Terms and Shipment**

7.1 Unless otherwise provided in the P/O, the delivery of the Equipment shall be effected hereunder in terms of Delivery to the designated place of the Power Plant site for local procurement, or FCA named place by PT. KPJB or a freight forwarder selected by PT. KPJB for the foreign procurement.

Supplier shall arrange shipment of the Equipment through PT. KPJB's freight Forwarder, if Supplier fails to do so and excess expenses are incurred to PT. KPJB thereby, he/she shall reimburse such expenses within thirty (30) days after PT. KPJB's request for payment.

7.2 Supplier shall notify PT. KPJB and the freight forwarder of delivery or shipping readiness by telefax or by any other official letter at the latest fifteen (15) days prior to readiness so that PT. KPJB may arrange the shipment and insurance coverage. Such notice shall include a port of loading, shipping items, total tonnage, cubic measurement, invoice amount and expected delivery date.

7.3 For foreign procurement, Supplier shall pack the Equipment in accordance with the best export-packing practices to prevent physical and environmental damage. Supplier shall be liable for any loss or damages caused by inadequate packing.

7.4 Any proper handling caution marks or instructions and the following information shall be durably marked on the surface of the package.

- A. Consignee (PT. KPJB) and Consigner (supplier Name)
- B. P/O No. and L/C No. (if applicable)
- C. Port of Export and Destination
- D. Item No. and Description specified in the P/O and Quantity
- E. Net and Gross Weight and Cubic Measurement
- F. Origin
- G. Caution Marks such as Fragile (if applicable)
- H. Material Safety Data Sheets (MSDS) and other related document for Hazardous material.
- I. Other Markings as required.

7.5 Unless requested or approved by PT. KPJB, Supplier shall not deliver the Equipment early than one (1) month prior to the delivery schedule hereunder. In case of a breach thereof, PT. KPJB is entitled to delay the payment or claim interest to Supplier if already paid by L/C.

**Article 8 – Liquidated Damages for Delayed Delivery**

8.1 In the event that, for reasons attributable to Supplier and not excusable under Article 11, the delivery of any item of the Equipment is delayed beyond the delivery date provided in the P/O, Supplier shall pay liquidated damages to PT. KPJB, not as a penalty, in an amount of zero point one (0.1) percent of total contract amount for

each day of delay unless otherwise provided in the P/O. The liquidated damages shall not exceed five (5) percent of the total P/O price.

8.2 PT. KPJB is entitled to deduct liquidated damages from any payment due supplier.

**Article 9 – Performance Bond (if applicable)**

9.1 Unless exempted by the P/O or approved by PT. KPJB, within twenty (20) days after the effective date of the P/O, Supplier shall establish a performance bond in favor of PT. KPJB in a form of a bank guarantee, certified check or irrevocable clean credit in an amount not less than ten (5) percent of the P/O price. The bond shall be valid until one (2) months after the expiry date of the warranty period or any extension thereof as provided in Article 10.

9.2 The bond shall be an absolute and unconditional guarantee and payable to PT. KPJB forthwith on PT. KPJB's simple demand of payment in the event that Supplier fails or refuses to promptly cure any default of its obligations hereunder.

9.3 A performance bond is not required on the following conditions

- Purchase Order amount is below IDR 500,000,000 or its equivalent currencies

**Article 10 – Warranty**

10.1 Supplier shall warrant that the Equipment and/or Services provided hereunder are free from defect in design, materials, workmanship, packing, title and patent. This warranty shall remain valid until twelve (12) months after the actual delivery date.

10.2 Upon receipt of PT. KPJB's notice of any defect, Supplier shall promptly correct the defect by repair, replacement, modification and/or reperformance at its own cost including transportation charges, duties, labor costs and removal costs incurred by such correction.

10.3 In the event that PT. KPJB decides not to correct or partially correct the defect, Supplier shall refund an equitable amount to PT. KPJB through mutual agreement.

10.4 If supplier fails to correct the defect as provided herein, PT. KPJB may reject the defective Equipment and procure the similar equipment elsewhere. In such event, Supplier shall return the amount paid by PT. KPJB and be liable for any excess costs incurred by PT. KPJB for such procurement.

10.5 The warranty period for the Equipment or Services corrected shall be extended by twelve (12) months from the completion date of such correction.

10.6 The warranties provided herein are exclusive and no other warranties shall apply.

**Article 11 – Liabilities**

11.1 Supplier shall be liable to and indemnify PT. KPJB for any injuries to person or property and, at its own expense, defend and hold PT. KPJB harmless against and from any claims or court actions raised by a third party, arising in connection with the performance of the Contract, to the extent they are derived from any fault, negligence, omission or willful action of Supplier or Sub-supplier.

11.2 Supplier's total liability for all claims hereunder, except those based on the title and patent infringement, shall not exceed the total P/O price.

11.3 Supplier shall not be liable for consequential or indirect damages.

**Article 12 – Quality Assurance and Inspection**

12.1 Supplier shall maintain a quality assurance program and be responsible for the testing and inspection of the equipment, at its own cost, in accordance with the applicable codes and standards and the requirement hereunder. Supplier shall retain quality – related records for the minimum retention period as required by the applicable codes and standards.

12.2 Supplier's inspection of the Equipment is to be final, unless otherwise provided in the P/O. However, PT. KPJB reserves the right to inspect the Equipment and/or witness the testing upon reasonable advance notice to Supplier.

12.3 Supplier shall deliver the Equipment which has complied with testing and inspection and issue a duly signed certificate of inspection for the Equipment.

**Article 13 – Taxes**

13.1 The Contractor shall be responsible for the payment of all Taxes, fees and assessments imposed or assessed by all local, state or national government authorities outside the Republic of Indonesia.

13.2 Company shall pay all taxes levied by local, state or national government authorities inside the Republic of Indonesia in connection with the performance of the Work under this Contract.

13.3 Each Party shall furnish to the other Party such information, notices, filings and receipts relating to taxes and duties as the other Party may reasonably request.

13.4 Supplier shall be fully responsible for submitting the copy of tax payment evidence (SSP) for this P/O payment not later than 60 days after invoicing document received by KPJB. If not submitted by the supplier until due date of tax payment evidence (SSP) submission, the supplier will be blacklisted and not be allowed to participate in any future bidding and/or procurement processed by KPJB.

**Article 14 – Force Majeure**

14.1 Neither Party shall be responsible to the other Party for failure or delay to perform all or any part of the Contract due to force majeure events beyond the reasonable control and without the fault or negligence of the affected Party such as (i) acts of God (ii) acts of the government or the public enemy (iii) fires (iv) floods (v) epidemics (vi) quarantine restrictions (vii) freight embargoes (viii) strikes or (ix) unusually severe weather. In such event, the affected Party is entitled to such extension of time to fulfill its obligations as may be reasonably necessary in the circumstances as agreed to between the Parties.

14.2 The affected Party shall promptly notify in writing the other Party of occurrence of the force majeure event with the documents proving its occurrence.

14.3 If the Force Majeure event continues for sixty (60) days or more, then either party may terminate the Contract in whole or in part, and both parties shall settle outstanding liabilities, except for any claims of either party in connection with the termination.

**Article 15 – Termination**

15.1 PT. KPJB may terminate the contract, in whole or in part, if:

- A. The liquidated damages to be imposed under Article 8 aggregate to five (5) percent of the total P/O price and work is not expected to be completed within the schedule hereunder; or
- B. Supplier materially fails to perform any of its obligations hereunder and does not cure the default promptly.
- C. If delivery time and/or work completion date exceeds more than 50 calendar days delay or if the penalty amount has exceeded the Performance Bond amount, then:
- D. PT. KPJB can terminate the PO or Contract unilaterally, and the Performance Bond will be redeemed and the supplier will be proposed in the blacklist supplier, or
- E. KPJB can be consider giving the supplier as additional opportunity to complete the deliver and/or the work, but a maximum penalty for delay will be imposed on the supplier.

15.2 In such event, PT. KPJB may procure similar equipment or services from another vendor and Supplier shall be liable to PT. KPJB for the excess costs incurred by such procurement.

15.3 The rights and remedies of PT. KPJB in this Article shall be in addition to any other rights and remedies hereunder.

**Article 16 – Arbitration**

All disputes, controversies or differences which may arise between the Parties, out of or in connection with the Contract, or for the breach thereof, shall be finally settled by arbitration in Jakarta, Indonesia in accordance with the Commercial Arbitration Rules of the Indonesian Commercial Arbitration Board and under the law of Republic of Indonesia.

The award rendered by the arbitrator(s) shall be final and binding upon the Parties.

**Article 17 – Governing Law**

The contract shall be governed and interpreted by the laws of the Republic of Indonesia.

**DOCUMENT PROCUREMENT  
RFQ NO. KPJB-NR-2026-0057 R01**

**URGENT**

NAMA PERUSAHAAN :

ALAMAT / TELP. :

SUBJECT / NO. RFQ :

WAKTU CLOSE BID : (Kamis, 30 April 2026) Jam 11.00 WIB

To : **Ulfa Nikmatul Lutfiana**

PT. Komipo Pembangkitan Jawa Bali (KPJB)

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