



SRI LANKA AIR FORCE

BIDDING DOCUMENT

**OBTAINING OF ENGINE OVERHAUL OF MT VEHICLES AT
MTR&OW OF THE SRI LANKA AIR FORCE KATUNAYAKE ON
ANNUAL CONTRACT BASIS FOR THE YEAR - 2024**

TENDER REFERENCE: (AHQ/23/PUB/MT/1005)

Invitation for Bids

The Democratic Socialist Republic of Sri Lanka

Sri Lanka Air Force

OBTAINING OF ENGINE OVERHAUL OF MT VEHICLES AT MTR&OW OF THE SRI LANKA AIR FORCE KATUNAYAKE ON ANNUAL CONTRACT BASIS FOR THE YEAR - 2024

Contract Identification No: AHQ/23/PUB/MT/1005

1. The Chairman Departmental Procurement Committee (DPC), on behalf of Sri Lanka Air Force, now invites sealed bids from eligible and qualified bidders for Obtaining of Engine Overhaul of MT Vehicles of the Sri Lanka Air Force (AHQ/23/PUB/MT/1005).
2. The service required to **one year** from the date of commencement.
3. Bidding will be conducted through National Competitive Bidding Procedure (NCB).
4. Interested bidders may inspect the bidding documents (free of charge) at **Procurement Division, Sri Lanka Air Force Station Colombo** from 0900hrs to 1500hrs on every working day and can be purchased **between 1000hrs and 1400hrs on every working day from the Procurement Division, Sri Lanka Air Force Station Colombo** upon payment of a **non-refundable fee of Rs. 3,500.00** to the Shroff Sri Lanka Air Force. The method of payment will be in cash. The Bid shall be valid up to **31st December 2024.**
5. The bidder may liaise with the following Officer of the Sri Lanka Air Force for further information.
Chief Procurement Officer,
Procurement Division,
Sri Lanka Air Force Station,
No 140, Sir Chittampalam A Gardiner Mawatha,
Colombo
Telephone 011 2347694
Fax 011 2347694/2441554/ 2441554, Email: cpd@slaf.gov.lk, acpot@slaf.gov.lk
6. All bids must be accompanied by a Bid Security in the form of a Bank Guarantee and it shall be an unconditional and irrevocable. The value of the Bank Guarantee shall be **Rs. 150,000.00 (Rupees One Hundred Fifty Thousand Only)**. The Bid Security shall be valid up to **31 July 2024.**

7. Bids must be couriered / delivered to the address below marked with reference number: AHQ/23/PUB/MT/1005 on or before **1030hrs** date **24 October 2023** Bids will be opened immediately after the closing of bids in the presence of the bidders' representatives who may choose to attend.

No 140 Sir Chittampalam A Gardiner Mawatha
Sri Lanka Air Force
Colombo

8. Late bids will be rejected. No bidder or his representative will be permitted to attend the bid opening after the bid closing time.

The Chairman,
Departmental Procurement Committee,
No 140 Sir Chittampalam A Gardiner Mawatha
Sri Lanka Air Force Station
Colombo

9. Please feel free to contact any of the following Officers to make any clarifications on this Bidding Document.

AMGSB ATAPATTU

Air Commodore
Chief Procurement Officer
Sri Lanka Air Force
Colombo.
Tel: 011 2347694
Fax: 011 2347694/2441554
Email: cpd@slaf.gov.lk

TP SAMADASA

Group Captain
Staff Officer Procurement (Tenders)
Sri Lanka Air Force
Colombo
Tel: 011 2441044 (Ex 23569)
Fax: 011 2441553
Email: acpot@slaf.gov.lk

PPRN PEIRIS

Squadron Leader
Assistant Staff Officer Procurement (Tenders)
Sri Lanka Air Force
Colombo
Tel: 011 2441044 (Ex 23572)
Fax: 011 2441553
Email: acpot@slaf.gov.lk

SECTION I – INSTRUCTIONS TO BIDDERS

Bidders are required to go through the following instructions/conditions prior to bidding. Instructions to Bidders (ITB) shall be read in conjunction with the **Volume II, Section II ‘Bidding Data’ Sheet (BDS)**.

A. General

1. Scope of Bid

1.1 The Employer, as defined in the Bidding Data, invites bids for the Services, as described in the Appendix ‘A’ to the Contract. The name and identification number of the Contract is provided in the Bidding Data.

1.2 The successful Bidder will be expected to complete the performance of the Services by the Intended Completion Date provided in the Bidding Data.

2. Qualifications and Experience of the Bidder

2.1 All bidders shall provide in Section III, Forms of Bid and Qualification and Experience Information, a preliminary description of the proposed work method and schedule, including drawings and charts, as necessary.

2.2 If stated in the Bidding Data, all bidders shall include the following information and documents with their bids in Section III:

- (a) List of Services performed for each of the last five years;
- (b) (Intentionally kept blank)
- (c) Experience in Services of a similar nature for each of the last three years, and details of Services under way or contractually committed; and names and address of clients who may be contacted for further information on those contracts;
- (d) Work plan and methodology
- (e) List of major items of equipment proposed to carry out the Contract ;
- (f) Qualifications and experience of key staff proposed for the Contract ;
- (g) Any other if listed in the Bidding Data.

3. Cost of bidding

3.1 The Bidder shall bear all costs associated with the preparation and submission of his Bid, and the Employer will in no case be responsible or liable for those costs.

4. Site Visit

4.1 The Bidder, at the Bidder's own responsibility and risk, is encouraged to visit and examine the Site of required Services and its surroundings and obtain all information that may be necessary for preparing the Bid and entering into a contract for the Services. The costs of visiting the Site shall be at the Bidder's own expense.

B. Bidding Documents

5. Content of Bidding Documents

5.1 The set of bidding documents comprise the documents listed below:

Volume 1

| | |
|--------------|-------------------------|
| Section I | Instructions to Bidders |
| Section IV | Conditions of Contract |
| Section VIII | Forms of Securities |

Volume 2

Invitation for Bid

| | |
|-------------|--|
| Section II | Bidding Data |
| Section III | Forms of bid and Qualification Information |
| Section V | Contract Data |
| Section VI | Employer's Requirements |
| Section VII | Activity Schedule |

6. Clarification of Bidding Documents

6.1 A prospective Bidder requiring any clarification of the bidding documents may notify the Employer in writing at the Employer's address indicated in the invitation to bid.

C. Preparation of Bids

7. Language of Bid

7.1 The bid prepared by the Bidder, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Employer shall be written in English Language.

8. Documents Comprising the Bid

8.1 The Bidder shall submit the Bid under two separately sealed envelopes as follows:

- (a) The first envelope shall be clearly marked **"ENVELOPE 1 - QUALIFICATION AND EXPERIENCE INFORMATION"**; and
- (b) The second envelope shall be clearly marked **"ENVELOPE 2 – FINANCIAL BID"** and

warning **“DO NOT OPEN, EXCEPT IN THE PRESENCE OF THE BIDDERS”**.

8.2 The Envelope 1, marked as **“QUALIFICATION AND EXPERIENCE INFORMATION”** shall include the originals of the following:

- (i) Volume 1 of the Bidding Document
- (ii) Bid security if requested
- (iii) Duly filled ‘A’ schedules, “Qualification and Experience Information”.
- (iv) Other information listed in Bidding Data; and
- (v) Any other information, bidder may wish to Include

8.3 The Envelope 2, marked as **“FINANCIAL BID”** shall include the originals of the following:

- (i) Duly filled and signed Bid Submission Form
- (ii) Duly filled Activity Schedule as described in Bidding Data
- (iii) Other details as mentioned in Bidding Data

8.4 The two envelopes/covers shall then be sealed in an outer Envelope. All inner and outer envelopes/covers shall:

- a. Be addressed to the Employer at the address provided in the Bidding Data; and
- b. Bear the name and identification number of the Contract as defined in the Bidding Data.

9. Bid Prices

9.1 The Contract shall be for the Services, as described in the Employer’s Requirements, Section VI, based on the priced Activity Schedule submitted by the Bidder. Bidder is to full fill the requirement in bidding Data

9.2 The Bidder shall fill in rates and prices for all items of the Services described in the in Employer’s Requirements, Section VI and listed in the Activity Schedule, Section VII. Items for which no rate or price is entered by the Bidder will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Activity Schedule.

9.3 All duties, taxes, and other levies payable by the Service Provider under the Contract, or for any other

cause, as of the date 28 days prior to the deadline for submission of bids, shall be included in the total Bid price submitted by the Bidder. However VAT if applicable shall be included separately.

10. Currency of Bid and Payment

10.1 The lump sum price shall be quoted by the Bidder shall be in Sri Lanka Rupees, or as described in the Bidding Data

11. Bid Validity

11.1 Bids shall remain valid for the period specified in the Bidding Data.

11.2 In exceptional circumstances, the Employer may request that the bidders extend the period of validity for a specified additional period. The request and the bidders' responses shall be made in writing. A Bidder may refuse the request without forfeiting the Bid Security (if submitted). A Bidder agreeing to the request will not be required or permitted to otherwise modify the Bid, but will be required to extend the validity of Bid Security (if submitted) for the period of the extension, and in compliance with Clause 12 in all respects.

12. Bid Security

12.1 If indicated in the Bidding Data, the Bidder shall furnish, as part of the Bid, a Bid Security, in the amount specified in the Bidding Data and valid till the date specified in the Bidding Data.

12.2 If a Bid Security is requested under sub-clause 12.1 above, any bid not accompanied by an acceptable Bid Security shall be rejected by the Employer.

12.3 The Bid Security of unsuccessful bidders will be returned within 28 days of the end of the Bid validity period specified in Sub-Clause 12.1.

12.4 The Bid Security of the successful Bidder will be discharged when the Bidder has signed the Agreement and furnished the required Performance Security (if required).

12.5 The Bid Security may be forfeited:

- (a) If the Bidder withdraws the Bid after Bid opening during the period of Bid validity; or
- (b) If the Bidder does not accept the correction of the Bid price, pursuant to Clause 22; or
- (c) In the case of a successful Bidder, if the Bidder fails within the specified time limit to:

- (i) Sign the Contract; or
- (ii) Furnish the required Performance Security (if required).

13. Format and Signing of Bid

13.1 The Bidder shall prepare one original of the documents comprising the Bid as described in Clause 8 of these Instructions to Bidders.

13.2 The original of the Bid shall be typed or written in indelible ink and shall be signed by a person or persons duly authorized to sign on behalf of the Bidder, All pages of the Bid where entries or amendments have been made shall be initialled by the person or persons signing the Bid.

13.3 The Bid shall contain no alterations or additions, except those to comply with instructions issued by the Employer, or as necessary to correct errors made by the Bidder, in which case such corrections shall be initialled by the person or persons signing the Bid.

D. Submission of Bids

14. Sealing and Marking of Bids

14.1 The outer envelope prepared in accordance with sub-clause 8.4 shall:

- a. Be addressed to the Employer at the address provided in the Bidding Data; and
- b. Bear the name and identification number of the Contract as defined in the Bidding Data; and
- c. Provide a warning not to open before the specified time and date for Bid opening as defined in the Bidding Data.

14.2 In addition to the identification required in Sub-Clause 14.1, the envelopes shall indicate the name and address of the Bidder to enable the Bid to be returned unopened if required.

14.3 If the envelope is not sealed and marked as above, the Employer will assume no responsibility for the misplacement or premature opening of the Bid.

15. Deadline for Submission of Bids

15.1 Bids shall be delivered to the Employer at the address specified above no later than the time and date specified in the Bidding Data.

15.2 Service Recipient may extend the deadline for submission of bids by issuing an amendment, in which case all rights and obligations of the Parties previously subject to the original deadline will then be subject to the new deadline.

16. Late Bids

16.1 Any Bid received by the Employer after the deadline prescribed in Clause 15 will be returned unopened to the Bidder.

E. Bid Opening and Evaluation

17. Bid Opening

17.1 The Employer will open the envelope marked, 'Envelope 1 – Qualification and Experience', in the presence of Bidders' designated representatives who choose to attend, at the time, date, and location stipulated in the Bidding Data. The Bidders' representatives who are present shall confirm their attendance by signing the attendance sheet.

17.2 The Bidders' names, the presence (or absence) of Bid security, the presence (or absence) of the Financial Bid and any such other details as the Employer may consider appropriate, will be announced by the Employer at the opening.

17.3 The envelopes marked 'Envelope 2 – Financial Bid' will be opened after the completing the evaluation of envelope marked 'Envelope 1 - Qualification and Experience', in the manner described in Sub-Clause 21.2

18. Clarification of Bids

18.1 To assist in the examination, evaluation, and comparison of bids, the Employer may, at the Employer's discretion, request any Bidder for clarification of the Bidder's Bid, including breakdowns of the prices in the Activity Schedule, and other information that the Service Recipient may require. The request for clarification and the response shall be in writing, but no change in the price or substance of the Bid shall be sought, offered, or permitted except as required to confirm the correction of arithmetic errors discovered by the Service Recipient in the evaluation of the bids in accordance with Clause 22.

19. Examination of Bids and

19.1 Prior to the detailed evaluation of bids, using the information provided in Envelope 1, the Employer will

Determination of Responsiveness

determine whether each Bid (a) is accompanied by the required securities (if requested); and (b) is substantially responsive to the requirements of the bidding documents.

19.2 A substantially responsive Bid is one which conforms to all the terms, conditions, and Employer's requirements of the bidding documents, without material deviation or reservation. A material deviation or reservation is one (a) which affects in any substantial way the scope, quality, or performance of the Services; (b) which limits in any substantial way, inconsistent with the bidding documents, the Employer's rights or the Bidder's obligations under the Contract; or (c) whose rectification would affect unfairly the competitive position of other bidders presenting substantially responsive bids.

19.3 If a Bid is not substantially responsive, it will be rejected by the Employer, and may not subsequently be made responsive by correction or withdrawal of the nonconforming deviation or reservation.

20. Evaluation of Qualification and Experience

20.1 The Employer will evaluate and compare only the Bids determined to be substantially responsive in accordance with Clause 19.

20.2 A two-stage procedure will be adopted in detailed evaluation of substantial responsive Bids. The evaluation of Qualifications and Experience will be completed prior to any financial bid being opened. The Employer evaluates the Envelope 1 – Qualifications and Experience on the basis of their responsiveness to the Employer's Requirements, applying the evaluation criteria, and point system specified in Sub-Clause 20.3 or any other method as applicable to the present tender mentioned in Bidding Data.

20.3 During the evaluation of Envelope 1 for Qualifications and Experience, the Employer will determine whether the Bidders are qualified and whether the work plan and methodology are substantially responsive to the requirements and work scope set forth in the Bidding Document. In order to reach such a determination, the Employer will examine the information supplied by the Bidders, and other requirements in the Bidding Document, taking into account the factors and point system outlined in the Bidding Data or any other method as applicable to the present tender mentioned in Bidding Data.

20.4 Each substantial responsive bid will be given a score as described under sub-clause 20.3. A Bid shall be rejected at this stage if it does not respond to important aspects of the Employer's Requirements or if it fails to achieve an overall

minimum of 70 points together with the minimum given against each criterion. Refer bidding Data for the applicability.

21. Evaluation of Financial Bid

21.1 After the evaluation of Envelope 1 is completed, the Employer shall notify those Bidders whose qualification and experience did not meet the minimum qualifying marks or were considered nonresponsive to the Employer's Requirements, indicating that their envelope marked 'Envelope 2 – Financial Bid' will be returned unopened after completing the selection process. The Employer shall simultaneously notify the Bidders that have secured the minimum qualifying marks, indicating the date and time set for opening the envelope marked 'Envelope 2 - Financial Bid'. The notification may be sent by registered letter, or facsimile.

21.2 The Envelope 2 shall be opened publicly in the presence of the Bidders representatives who choose to attend. The name of the bidder, the Bid prices together with any discounts offered shall be read aloud and recorded when the envelopes marked 'Envelope 2 – Financial Bid' are opened .

21.3 Before evaluating the Financial Bid, the Service Recipient will determine whether the Bid is signed properly. If the Bid is not signed properly it will be rejected at this stage.

21.4 In evaluating the Financial Bid, the Employer will determine for each Bid the Evaluated Bid Price by adjusting the Bid Price as follows:

- (a.) Excluding Provisional Sums and the provision, if any;
- (b.) Correcting the arithmetical errors in-pursuant to Clause 22
- (c.) Making an appropriate adjustment on sound technical and/or financial grounds for any other quantifiable acceptable variations, Deviations or alternative offers.
- (d.) Applying any discounts offered by the Bidder.

21.5 The Employer reserves the right to accept or reject any variation, deviation, or alternative offer. Variations, deviations, alternative offers, and other factors that are in excess of the requirements of the Bidding document shall not be taken into account in Bid evaluation.

22. Correction of Errors

22.1 Bids determined to be substantially responsive will be checked by the Employer for any arithmetic errors. Arithmetical errors will be rectified by the Employer on the following basis: if there is a discrepancy between unit prices and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the total price shall be corrected; if there is a discrepancy between the amounts in figures and in words, the amount in words will prevail.

22.2 The amount stated in the Bid will be adjusted by the Employer in accordance with the above procedure for the correction of errors and, with the concurrence of the Bidder, shall be considered as binding upon the Bidder. If the Bidder does not accept the corrected amount, the Bid will be rejected, and the Bid Security may be forfeited in accordance with Sub-Clause 12.5.

F. Award of Contract

23. Award Criteria

23.1 Subject to Clause 24, the Employer will award the Contract to the Bidder whose Bid has been determined to be substantially responsive to the bidding documents and who has offered the lowest evaluated Bid price.

24. Employer's Right to Accept any Bid and to Reject any or all Bids

24.1 Notwithstanding Clause 23, the Employer reserves the right to accept or reject any Bid, and to cancel the bidding process and reject all bids, at any time prior to the award of Contract, without thereby incurring any liability to the affected Bidder or bidders or any obligation to inform the affected Bidder or bidders of the grounds for the Employer's action.

25. Notification of Award and Signing of Agreement

25.1 The Bidder who's Bid has been accepted will be notified in writing, of the award by the Employer prior to expiration of the Bid validity period. This letter (hereinafter and in the Conditions of Contract called the "Letter of Acceptance") will state the sum that the Employer will pay the Service Provider in consideration of the Services provided by the Service provider as prescribed by the Contract (hereinafter and in the Contract called the "Contract Price").

25.2 The notification of award will constitute the formation of the Contract.

25.3 The Contract, in the form provided in the bidding documents, will incorporate all agreements between the Employer and the successful Bidder.

26. Performance Security

26.1 If requested in the Bidding Data, within 14 days after receipt of the Letter of Acceptance, the successful Bidder shall deliver to the Employer a Performance Security in the amount and in the form (Bank Guarantee and/or Performance Bond) stipulated in the Bidding Data, denominated in the type and proportions of currencies in the Letter of Acceptance and in accordance with the General Conditions of Contract..

27. Advance Payment and Security

27.1 The Employer may provide an Advance Payment not exceeding 20% of the Contract Price subject to the Service Provider submitting a guarantee acceptable to the Employer, or as stipulated in the Bidding Data

September 2023

(AMGSB ATAPATTU)

Air Cdre

CHIEF PROCUREMENT OFFICER

SECTION II – BIDDING DATA

Instructions to Bidders (ITB) Clause Reference

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|----------------|---|-----------|-------------------------|------------|--------------|-------------|--|------------|------------------------|-----------|---------------|------------|----------------------------------|-------------|-------------------|--------------|---------------------|
| ITB 1.1 | <p>The Service Recipient is Sri Lanka Air Force on behalf of Democratic Socialist Republic of Sri Lanka.</p> <p>The name and identification number of the Contract is “Engine Overhaul of SLAF MT Vehicles through Annual Contract basis for Year 2024 at MTR&OW SLAF Base Katunayke” - AHQ/23/PUB/MT/1005.</p> | | | | | | | | | | | | | | | | |
| ITB 1.2 | The Service shall be provided to one year from the date of signing the agreement, as per clause 2.2 of Contract Data in Section V. | | | | | | | | | | | | | | | | |
| ITB 2.2 | <p>The information required from bidders in Sub-Clause 2.2 is:</p> <ul style="list-style-type: none"> (a) List of Services performed last five years; (b) Experience in Services of a similar nature last three years, and details of Services under way or contractually committed; and names and address of clients who may be contacted for further information on those contracts; (c) Work plan and methodology. (d) Qualifications and experience of key staff proposed for the Contract (e) Any other if listed in the Bidding Data (f) A copy of company registration certificate. (g) Self undertaking stating the ability to perform the contract without financial hindrance. {This shall be supported by audited financial statements of the company for last three years. (2020-2022)} (h) VAT Registration certificate or VAT exemption letter issued by the Inland Revenue department. | | | | | | | | | | | | | | | | |
| ITB 4.1 | Not Applicable for this Tender | | | | | | | | | | | | | | | | |
| ITB 5.1 | <p>Invitation for Bid</p> <table border="0"> <tr> <td>Section I</td><td>Instructions to Bidders</td></tr> <tr> <td>Section II</td><td>Bidding Data</td></tr> <tr> <td>Section III</td><td>Forms of bid and Qualification Information</td></tr> <tr> <td>Section IV</td><td>Conditions of Contract</td></tr> <tr> <td>Section V</td><td>Contract Data</td></tr> <tr> <td>Section VI</td><td>Service Recipient’s Requirements</td></tr> <tr> <td>Section VII</td><td>Activity Schedule</td></tr> <tr> <td>Section VIII</td><td>Forms of Securities</td></tr> </table> | Section I | Instructions to Bidders | Section II | Bidding Data | Section III | Forms of bid and Qualification Information | Section IV | Conditions of Contract | Section V | Contract Data | Section VI | Service Recipient’s Requirements | Section VII | Activity Schedule | Section VIII | Forms of Securities |
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| Section III | Forms of bid and Qualification Information | | | | | | | | | | | | | | | | |
| Section IV | Conditions of Contract | | | | | | | | | | | | | | | | |
| Section V | Contract Data | | | | | | | | | | | | | | | | |
| Section VI | Service Recipient’s Requirements | | | | | | | | | | | | | | | | |
| Section VII | Activity Schedule | | | | | | | | | | | | | | | | |
| Section VIII | Forms of Securities | | | | | | | | | | | | | | | | |
| ITB 6.1 | <p>For <u>Clarification of bid purposes</u> only, the Service Recipient’s address is:</p> <p>Attention : Chief Procurement Officer Address: No 140, Sir Chittampalam A Gardiner Mawatha, Colombo 02. Telephone: 011 2441044 (Ext 23569) Facsimile number: 0112347694 /0112441553 Electronic mail address: cpd@slaf.gov.lk</p> | | | | | | | | | | | | | | | | |

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| ITB 7.1 | Applicable. |
| ITB 8.1 | <p>Bid documents to be forwarded in two envelope method as follows;</p> <p>a. The bidder shall submit the bids in Two (02) separate sealed envelopes namely “Technical Data” and “Financial Data”. These Two envelopes shall be placed in separate one (01) sealed outer envelope marked “ORIGINAL BID”.</p> <p>b. The bidder shall submit the bids in Two (02) separate sealed envelopes namely “Duplicate-Technical Data” and “Duplicate - Financial Data”. These Two envelopes shall be placed in separate one (01) sealed outer envelope marked “DUPLICATE BID”.</p> <p>c. Should bear following identification marking in the above envelopes</p> <p>i. Tender reference:- AHQ/23/PUB/MT/1005</p> <p>ii. Bid opening date:-24 October 2023</p> <p>ii. Description:- Engine Overhaul of SLAF MT Vehicles through Annual Contract basis for Year 2024 at MTR&OW SLAF Base Katunayke</p> <p>d. All technical data and bid security to be submitted along with the Technical Bid. Tender reference: (AHQ/23/PUB/MT/1005) Opening Date: 23 October 2023</p> |
| ITB 8.2 | Applicable. |
| ITB 8.3 | Applicable. |
| ITB 8.4 | <p>(a) The address for submission of Bids is:</p> <p>To; Chief Procurement Officer Address; No.140, Sir Chittampalam A Gardiner Mawatha, Colombo 02. Telephone; 011 2441044 (Ext 23569)</p> <p>(b) The name and identification number of the Contract is Engine Overhaul of SLAF MT Vehicles through Annual Contract basis for Year 2023 at MTR&OW SLAF Base Katunayke AHQ/23/PUB/MT/1005.</p> |

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| ITB 9.1 | As per Section VI and Section VII (activity schedule). |
| ITB 9.2 | As per Section VI, Section VII (activity schedule) and Section VIII. |
| ITB 9.3 | As per Section VII (activity schedule). |
| ITB 10.1 | Shall be quoted as per Section VII (activity schedule) Minimum 45 days of credit period is required. |
| ITB 11.1 | The Bid shall valid until <u>31st December 2024.</u> |
| ITB 12.1 | <p>a. Bid security shall be in the format of Bank Guarantee.</p> <p>b. Bid security shall be issued by <u>any of the Commercial Banks approved by the Central Bank of Sri Lanka.</u></p> <p>c. Bid security shall be in accordance with the format given in section VIII.</p> <p>d. The Amount of the Bid security shall be <u>Rs. 150,000.00 One Hundred Fifty Thousand Only</u> and shall be in <u>Sri Lanka Rupees.</u></p> <p>e. The validity period of the Bid Security Shall be until <u>31 July 2024.</u></p> <p>f. The beneficiary of the bid security shall be address to the <u>Commander of the Sri Lanka Air Force</u></p> |
| ITB 12.2 | Applicable. |
| ITB 12.3 | Applicable. |
| ITB 12.4 | Applicable. |
| ITB 12.5 | Applicable. |
| ITB 14.1 | <p>(a) The address for submission of Bids is:</p> <p style="padding-left: 40px;">To; Chief Procurement Officer Address; No.140, Sir Chittampalam A Gardiner Mawatha, Colombo 02. Telephone; 011 2441044 (Ext 23569)</p> <p>(b) The name and identification number of the Contract is “ Engine Overhaul of SLAF MT Vehicles through Annual Contract basis for Year 2024 at MTR&OW SLAF Base Katunayke AHQ/23/PUB/MT/1005.</p> <p>(c) Bid will be opened immediately after the closing of bids at the time and date given in the invitation for bids.</p> |
| ITB 14.2 | Applicable. |
| ITB 14.3 | Applicable. |

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| ITB 15.1 | <p>a. The deadline for the submission of Bids: Date: 24 October 2023 Time: 1030hrs</p> <p>b. A BIDDER may withdraw, or modify its Bid after it has been submitted by sending a written notice in accordance with ITB Clause 14, duly signed by an authorized representative, and shall include a copy of the authorization in accordance with ITB Sub-Clause 13.2, (except that no copies of the withdrawal notice are required). The corresponding substitution or modification of the bid must accompany the respective written notice. All notices must be:</p> <p style="padding-left: 40px;">(a) Submitted in accordance with ITB Clauses 13 and 14 (except that withdrawal notices do not require copies), and in addition, the respective envelopes shall be clearly marked “WITHDRAWAL,” or “MODIFICATION;” and</p> <p style="padding-left: 40px;">(b) Received by the Service Recipient prior to the deadline prescribed for submission of bids, in accordance with ITB Clause 15.</p> <p>c. Bids requested to be withdrawn shall be returned to the BIDDERS only upon notification of contract award to the successful BIDDER in accordance with sub clause 25.1.</p> <p>d. No bid may be withdrawn, substituted, or modified in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the BIDDER on the Bid Submission Form or any extension thereof.</p> |
| ITB 16.1 | Not applicable. |
| ITB 17.1 | <p>The bid opening shall take place at :</p> <p>Address: No 140, Sir Chittampalam A Gardiner Mawatha, Colombo 02.</p> <p>Date: 24 October 2023</p> <p>Time: 1030hrs</p> |
| ITB 17.2 | Applicable. |
| ITB 17.3 | Applicable. |
| ITB 18.1 | Applicable. |

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| ITB 19.1 | Applicable. |
| ITB 19.2 | Applicable. |
| ITB 19.3 | Applicable. |
| ITB 20.1 | Applicable. |
| ITB 20.2 | Applicable. |
| ITB 20.3 | Points score system is not applicable. |
| ITB 21.1 | Applicable. |
| ITB 21.2 | Applicable. |
| ITB 21.3 | Applicable. |
| ITB 21.4 | Applicable. |
| ITB 21.5 | Alternative bids/offers are not accepted. |
| ITB 22.1 | Applicable. |
| ITB 22.2 | Applicable. |
| ITB 23.1 | Applicable. |
| ITB 24.1 | Applicable. |
| ITB 26.1 | The successful bidder shall be submitted a <u>Performance Security</u> in the format of Bank guarantee issued by any of the <u>Commercial Banks in Sri Lanka</u> within seven (07) days in accordance with the format and amount state in the Letter of Award. |
| ITB 27.1 | Advance Payments are Not applicable for this tender. |

**SECTION III – FORMS OF BID, QUALIFICATION INFORMATION, LETTER OF
ACCEPTANCE, AND CONTRACT**

Form of Bid

[Date]

To: Commander of the Air Force

Having examined the bidding documents, we offer to provide the Services for **“Engine Overhaul of SLAF MT Vehicles through Annual Contract basis for Year 2024 at MTR&OW SLAF Base Katunayke AHQ/23/PUB/MT/1005** of Contract, Employer’s (Service Recipient’s) Requirements, drawings and activity schedule accompanying this Bid for the Contract Price of [amount in numbers],[amount in words].....
..... or any other sum derived in accordance with the said documents.

This Bid and your written acceptance of it shall constitute a binding Contract between us. We understand that you are not bound to accept the lowest or any Bid you receive.

We hereby confirm that this Bid complies with the Bid validity required by the bidding documents and specified in the Bidding Data.

Authorized Signature:_____

Name and Title of Signatory:_____

Name of Bidder:_____

Address: _____

Qualification Information

| Schedule A – Experience in Engine Overhaul of Vehicles during last Five years. (Enclosed in envelope marked, “ Envelope 1 – Qualification and Experience Information) | | | | |
|---|-----------------|----------------------------|------------------------|---|
| Period (Year) | Employer | Description of Work | Contract Amount | Completed (%) of Contractor's Responsibility |
| | | | | |
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Schedule B – Work Plan and Methodology

[If requested under Instructions to Bidders (ITB) clause 20.3 only]

(enclosed in envelope marked, “Envelope 1 – Qualification and Experience Information”)

Sheet 1 of

Should respond to all the requirements given in the
Service Recipient’s Requirements in Section VI

Schedule C – Key Staff

[If requested under ITB clause 20.3 only]

(enclosed in envelope marked, “ Envelope 1 – Qualification and Experience Information)

| Name | Position | Task |
|-------------|-----------------|-------------|
| | | |
| | | |
| | | |
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| | | |

Schedule E – Client’s Reference

[If requested under ITB clause 20.3 only]

(enclosed in envelope marked, “ Envelope 1 – Qualification and Experience Information)

ATTACH THE CERTIFICATES GIVEN BY THE CLIENT’S, MAKING REFERENCES ON THE SERVICES EXECUTED BY BIDDER

Schedule F – Annual Turn-over Information

(for last five years)

(enclosed in envelope marked, “ Envelope 1 – Preliminary Information)

| Year | Turn-over | Remarks |
|-------------|------------------|---|
| 1 | | Attach audited reports (for last five years) |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |

LETTER OF ACCEPTANCE
[Letterhead paper of the Employer (Service Recipient)]

[Date]

To: [name and address of the Service provider]

This is to notify you that your Bid dated [date]/...../23 for providing services for the **“Engine Overhaul of SLAF MT Vehicles through annual Contract basis for year 2024 at MTR&OW SLAF Base Katunayke AHQ/23/PUB/MT/1005.** for the Contract Price of [amount in numbers and words]....., as corrected and modified in accordance with the Instructions to Bidders is hereby accepted by us.

You are hereby instructed to proceed with the execution of the said contract for the provision of Services in accordance with the Contract documents.

Authorized Signature: _____

Name and Title of Signatory: _____

Name of Agency: _____

FORM OF CONTRACT

This CONTRACT (hereinafter called the “Contract”) is made the *[day]* day of the month of *[month]*, *[year]*, between, on the one hand, *[name of Employer]* (hereinafter called the “Employer”) and, on the other hand, *[name of Service Provider]* (hereinafter called the “Service Provider”).

WHEREAS

- (a) the Employer has requested the Service Provider to provide certain Services as defined in the Conditions of Contract and Contract Data attached to this Contract (hereinafter called the “Services”);
- (b) the Service Provider, having represented to the Employer that they have the required skills, and personnel and resources, have agreed to provide the Services on the terms and conditions set forth in this Contract at a contract price of ;

NOW THEREFORE the parties hereto hereby agree as follows:

1. The following documents attached hereto shall be deemed to form an integral part of this Contract:
 - (a) The Conditions of Contract;
 - (b) The Contract Data;
 - (c) The Form of Bid
 - (d) The Priced Activity Schedule
 - (e) The Employer’s Requirements
 - (f) The following Appendices: *[Note: If any of these Appendices are not used, the words “Not Used” should be inserted below next to the title of the Appendix and on the sheet attached hereto carrying the title of that Appendix.]*
 - Appendix A: Description of the Services
 - Appendix B: Schedule of Payments
 - Appendix C: Key Personnel
 - Appendix D: Breakdown of Contract Price
 - Appendix E: Services and Facilities Provided by the Employer
2. The mutual rights and obligations of the Employer and the Service Provider shall be as set forth in the Contract, in particular:
 - (a) The Service Provider shall carry out the Services in accordance with the provisions of the Contract; and
 - (b) the Employer shall make payments to the Service Provider in accordance with the provisions of the Contract.

IN WITNESS WHEREOF, the Parties hereto have caused this Contract to be signed in their respective names as of the day and year first above written.

For and on behalf of *[name of Employer]*

[Authorized Representative]

For and on behalf of *[name of Service Provider]*

[Authorized Representative]

SECTION IV – CONDITIONS OF CONTRACT

1. GENERAL PROVISIONS

- 1.1 Definitions** Unless the context otherwise requires, the following terms whenever used in this Contract have the following meanings :
- (a) “Activity Schedule” is the priced and completed list of items of Services to be performed by the Service Provider forming part of his Bid;
 - (b) “Completion Date” means the date of completion of the Services by the Service Provider as certified by the Service Recipient
 - (c) “Contract” means the Contract signed by the Parties, to which these Conditions of Contract (CC) are attached, together with all the documents listed in Clause 1 of such signed Contract;
 - (d) “Contract Price” means the price to be paid for the performance of the Services, in accordance with Clause 6;
 - (e) “Service Recipient” means the party who employs the Service Provider
 - (f) “Party” means the Service Recipient or the Service Provider, as the case may be, and “Parties” means both of them;
 - (g) “Personnel” means persons hired by the Service Provider as employees and assigned to the performance of the Services or any part thereof;
 - (h) “Service Provider” is a person or corporate body whose Bid to provide the Services has been accepted by the Service Recipient;
 - (i) “Service Provider’s Bid” means the completed bidding document submitted by the Service Provider to the Service Recipient
 - (j) “Service Recipient’s Requirements” means the Service Recipient’s Requirements of the service included in the bidding document submitted by the Service Provider to the Service Recipient
 - (k) “Services” means the work to be performed by the Service Provider pursuant to this Contract, as described in Appendix A; and in the Service Recipient’s Requirements and Schedule of Activities included in the Service Provider’s Bid.

- 1.2 Applicable Law** The Contract shall be interpreted in accordance with the laws of the Democratic Socialist Republic of Sri Lanka
- 1.3 Language** This Contract has been executed in English Language
- 1.4 Notices** Any notice, request, or consent made pursuant to this Contract shall be in writing and shall be deemed to have been made when delivered in person to an authorized representative of the Party to whom the communication is addressed, or when sent by registered mail, to such Party at the address specified in the Contract Data.
- 1.5 Location** The Services shall be performed at such locations as are specified in Appendix A, in the Service Recipient's Requirements and, where the location of a particular task is not so specified, at such locations, as the Service Recipient may approve.
- 1.6 Authorized Representatives** Any action required or permitted to be taken, and any document required or permitted to be executed, under this Contract by the Service Recipient or the Service Provider may be taken or executed by the officials specified in the Contract Data.

2. COMMENCEMENT, COMPLETION, MODIFICATION AND TERMINATION OF CONTRACT

- 2.1 Effectiveness of Contract** This Contract shall come into effect on the date the Contract is signed by either parties or such other later date as may be stated in the Contract Data.
- 2.2 Starting Date** The Service Provider shall start carrying out the Services seven (07) days after the date the Contract becomes effective, or at such other date as may be specified in the Contract Data.
- 2.3 Intended Completion Date** Unless terminated earlier pursuant to Clause 2.6, the Service Provider shall complete the activities by the Intended Completion Date, as is specified in the Contract Data. If the Service Provider does not complete the activities by the Intended Completion Date, it shall be liable to pay liquidated damage as per Sub-Clause 3.8. In this case, the Completion Date will be the date of completion of all activities.
(Intentionally Kept Blank)

2.5 Force Majeure

- 2.5.1 Definition** For the purposes of this Contract, "Force Majeure" means an event which is beyond the reasonable control of a Party and which makes a Party's performance of its obligations under the Contract impossible or so impractical as to be considered impossible under the circumstances.

2.5.2 No Breach Of Contract The failure of a Party to fulfil any of its obligations under the contract shall not be considered to be a breach of, or default under, this Contract insofar as such inability arises from an event of Force Majeure, provided that the Party affected by such an event (a) has taken all reasonable precautions, due care and reasonable alternative measures in order to carry out the terms and conditions of this Contract, and (b) has informed the other Party as soon as possible about the occurrence of such an event.

2.5.3 Extension of Time Any period within which a Party shall, pursuant to this Contract, complete any action or task, shall be extended for a period equal to the time during which such Party was unable to perform such action as a result of Force Majeure.

2.5.4 Payments During the period of their inability to perform the Services as a result of an event of Force Majeure, the Service Provider shall be entitled to continue to be paid under the terms of this Contract, as well as to be reimbursed for additional costs reasonably and necessarily incurred by them during such period for the purposes of the Services and in reactivating the Service after the end of such period.

2.6 Termination

2.6.1 By the Service Recipient The Service Recipient may terminate this Contract, by not less than thirty (30) days' written notice of termination to the Service Provider, to be given after the occurrence of any of the events specified in paragraphs (a) through (e) of this Clause 2.6.1 and sixty (60) days' in the case of the event referred to in (f):

- (a) if the Service Providers do not remedy a failure in the performance of their obligations under the Contract, within thirty (30) days after being notified or within any further period as the Service Recipient may have subsequently approved in writing;
- (b) if the Service Provider become insolvent or bankrupt;
- (c) if, as the result of Force Majeure, the Service Provider/s are unable to perform a material portion of the Services for a period of not less than sixty (60) days; or
- (d) if the Service Provider does not maintain a Performance Security in accordance with Clause 3.9;
- (e) if the Service Provider has delayed the completion of the Services by the number of days for which the maximum amount of liquidated damages can be paid in accordance with Sub-Clause 3.8.1 and the Contract Data.;
- (f) if the Service Recipient, in its sole discretion, decides to terminate this Contract.

**2.6.2 By the
Service Provider**

The Service Provider may terminate this Contract, by not less than thirty (30) days' written notice to the Service Recipient, such notice to be given after the occurrence of any of the events specified in paragraphs (a) and (b) of this Clause 2.6.2:

(a) if the Service Recipient fails to pay any monies due to the Service Provider pursuant to this Contract and not subject to dispute pursuant to Clause 7 within forty-two (42) days after receiving written notice from the Service Provider that such payment is overdue; or

(b) if, as the result of Force Majeure, the Service Providers are unable to perform a material portion of the Services for a period of not less than fifty six (56) days.

**2.6.3 Payment
Upon
Termination**

Upon termination of this Contract pursuant to Clauses 2.6.1 or 2.6.2, the Service Recipient shall make the following payments to the Service Provider:

(a) remuneration pursuant to Clause 6 for Services satisfactorily performed prior to the effective date of termination;

(b) except in the case of termination pursuant to paragraphs (a), (b), (d), (e) of Clause 2.6.1, reimbursement of any reasonable cost incident to the prompt and orderly termination of the Contract

3. Obligations of the Service Provider

3.1 General

The Service Providers shall perform the Services in accordance with the Service Recipient's Requirements and the Activity Schedule, and carry out their obligations with all due diligence, efficiency, and economy, in accordance with generally accepted professional techniques and practices, and shall observe sound management practices, and employ appropriate advanced technology and safe methods. The Service Providers shall always act, in respect of any matter relating to this Contract or to the Services, as faithful advisers to the Service Recipient, and shall at all times support and safeguard the Service Recipient's legitimate interests in any dealings with Subcontractors or third parties.

(Intentionally Kept Blank)

3.3 Confidentiality

The Service Providers, their Subcontractors, and the Personnel of either of them shall not, either during the term or within two (2) years after the expiration of this Contract, disclose any proprietary or confidential information relating to the Project, the Services, this Contract, or the Service Recipient's business or operations without the prior written consent of the Service Recipient

| | |
|--|--|
| 3.5 Service Providers' Actions Requiring Service Recipient's Prior Approval | <p>The Service Providers shall obtain the Service Recipient's prior approval in writing before taking any of the following actions:</p> <ul style="list-style-type: none"> (a) entering into a subcontract for the performance of any part of the Services, (b) appointing such members of the Personnel not listed by name in Appendix C ("Key Personnel and Subcontractors"), (c) changing the Program of activities; and (d) any other action that may be specified in the Contract Data |
| 3.6 Reporting Obligations | <p>The Service Providers shall submit to the Service Recipient the reports and documents specified in Appendix B in the form, in the numbers, and within the periods set forth in the said Appendix.</p> |
| 3.7 Documents Prepared by the Service Providers to Be the Property of the Service Recipient | <p>All plans, drawings, Service Recipient's Requirements, designs, reports, and other documents and software submitted by the Service Providers in accordance with Clause 3.6 shall become and remain the property of the Service Recipient, and the Service Providers shall, not later than upon termination or expiration of this Contract, deliver all such documents and software to the Service Recipient, together with a detailed inventory thereof. The Service Providers may retain a copy of such documents and software. Restrictions about the future use of these documents, if any, shall be specified in the Contract Data.</p> |
| 3.8 Liquidated Damages | |
| 3.8.1 Payments of Liquidated Damages | <p>The Service Provider shall pay liquidated damages to the Service Recipient at the rate per day stated in the Contract Data for each day that the Completion Date is later than the Intended Completion Date. The total amount of liquidated damages shall not exceed the amount defined in the Contract Data. The Service Recipient may deduct liquidated damages from payments due to the Service Provider. Payment of liquidated damages shall not affect the Service Provider's liabilities.</p> |
| 3.8.2 Correction for Over-payment | <p>If the Intended Completion Date is extended after liquidated damages have been paid, the Service Recipient shall correct any overpayment of liquidated damages by the Service Provider by adjusting the next payment certificate. The Service Provider shall be paid interest on the over-payment, calculated from the date of payment to the date of repayment, at the rates specified in Clause 6.5</p> |
| 3.9 Performance Security | <p>The Service Provider shall provide the Performance Security to the Service Recipient no later than the date specified in the Letter of acceptance. The Performance Security shall be issued in an amount and form and by a bank or surety acceptable to the Service Recipient. The performance Security shall be valid until a date 28 days from the Completion Date of the Contract. Further details as stated in the Contract Data</p> |

4. Service Provider's Personnel

4.1 Description of Personnel The titles, agreed job descriptions, minimum qualifications, and estimated periods of engagement in the carrying out of the Services of the Service Provider's Key Personnel are described in Appendix C. The Key Personnel and Subcontractors listed by title as well as by name in Appendix C are hereby approved by the Service Recipient

4.2 Removal and/or Replacement of Personnel (a) Except as the Service Recipient may otherwise agree, no changes shall be made in the Key Personnel. If, for any reason beyond the reasonable control of the Service Provider, it becomes necessary to replace any of the Key Personnel, the Service Provider shall provide as a replacement a person of equivalent or better qualifications.

(b) If the Service Recipient finds that any of the Personnel have (i) committed serious misconduct or have been charged with having committed a criminal action, or (ii) have reasonable cause to be dissatisfied with the performance of any of the Personnel, then the Service Provider shall, at the Service Recipient's written request specifying the grounds thereof, provide as a replacement a person with qualifications and experience acceptable to the Service Recipient.

(c) The Service Provider shall have no claim for additional costs arising out of or incidental to any removal and/or replacement of Personnel.

5. Obligations of the Service Recipient

5.1 Assistance and Exemptions The Service Recipient shall use its best efforts to ensure that the Government shall provide the Service Provider such assistance and exemptions as specified in the Contract Data

5.2 Change in the Applicable Law If, after the date of this Contract, there is any change in the Applicable Law with respect to taxes and duties which increases or decreases the cost of the Services rendered by the Service Provider, then the remuneration and reimbursable expenses otherwise payable to the Service Provider under this Contract shall be increased or decreased accordingly by agreement between the Parties, and corresponding adjustments shall be made to the amounts referred to in Clauses 6.2 (a) or (b), as the case may be

5.3 Services and Facilities The Service Recipient shall make available to the Service Provider the Services and Facilities listed under Appendix D

6. Payments to the Service Provider

6.1 Lump-Sum Remuneration The Service Provider's remuneration shall not exceed the Contract Price and shall be a fixed lump-sum including all Subcontractors' costs, and all other costs incurred by the Service Providers in carrying out the Services

described in Appendix A. Except as provided in Clause 5.2, the Contract Price may only be increased above the amounts stated in Clause 6.2 if the Parties have agreed to additional payments in accordance with Clauses 2.5.4 and 6.3

6.2 Contract Price

The Contract Price is set forth in the Contract Data.

6.3 Payment for Additional Services, and Performance Incentive Compensation

For the purpose of determining the remuneration due for additional Services as may be agreed under Clause 2.5.4, a breakdown of the lump-sum price is provided in Appendices D.

6.4 Terms and Conditions of Payment

Payments will be made to the Service Provider and according to the payment schedule stated in the Contract Data. Unless otherwise stated in, the Contract Data, first payment shall be made against the provision by the Service Provider of a bank guarantee for the same amount, and shall be valid for the period stated in the Contract Data. Any other payment shall be made after the conditions listed in the SCC for such payment have been met, and the Service Provider have submitted an invoice to the Service Recipient specifying the amount due.

6.5 Interest on Delayed Payments

If the Service Recipient has delayed payments beyond fifteen (15) days after the due date stated in the Contract Data, interest shall be paid to the Service Provider for each day of delay at the rate stated in the Contract Data

7. Quality Control

7.1 Identifying Defects

The Service Recipient shall check the Service Provider's performance and notify him of any Defects that are found. Such checking shall not affect the Service Provider's responsibilities

7.2 Correction of Defects, and Lack of Performance Penalty

(a) The Service Recipient shall give notice to the Service Provider of any Defects before the end of the Contract. The Defects liability period shall be extended for as long as Defects remain to be corrected.

(b) Every time notice a Defect is given, the Service Provider shall correct the notified Defect within the length of time specified by the Service Recipient's notice. Details as stated in Contract Data.

(c) If the Service Provider has not corrected a Defect within the time specified in the Service Recipient's notice, the Service Recipient will assess the cost of having the Defect corrected, the Service Provider will pay this amount, and a Penalty for Lack of Performance calculated as described in clause 3.8

8. Settlement of Disputes

8.1 Amicable Settlement

The Parties shall use their best efforts to settle amicably all disputes arising out of or in connection with this Contract or its interpretation.

8.2 Dispute Settlement

8.2.1 Any dispute arises between the Service Recipient and the Service Provider in connection with, or arising out of, the Contract or the provision of the Services, whether during carrying out the Services or after their completion, which was not settled amicably in as with clause 8.1 above, shall be finally settled by arbitration in accordance with Arbitration Act No 11 of 1995

8.2.2 The arbitral tribunal shall consist of a sole arbitrator, who shall be appointed in the manner provided under sub clause 8.2.3

8.2.3 The Party desiring arbitration shall nominate three arbitrators out of which one to be selected by the other Party within 21 Days of the receipt of such nomination. If the other Party does not select one to serve as Arbitrator within the stipulated period, then the Arbitrator shall be appointed in accordance with Arbitration Act No 11 of 1995, or any other amendments thereof.

SECTION V. CONTRACT DATA

Clauses in brackets are optional; all notes should be deleted in final text.

| Number of GC Clause | Amendments of, and Supplements to, Clauses in the General Conditions of Contract |
|---------------------------|--|
| 1.1(e) | The contract name is [name of Contract]. |
| 1.1(h) | The Employer is [insert name] |
| 1.1(m) | The Member in Charge is [name of Member Leader of the Joint Venture]. |
| 1.1(p) | The Service Provider is [insert name] |
| 1.4 | <p>The addresses are:</p> <p>Employer: _____</p> <p>Attention: _____</p> <p>Telex: _____</p> <p>Facsimile: _____</p> <p>Service Provider: _____</p> <p>Attention: _____</p> <p>Telex: _____</p> <p>Facsimile: _____</p> |
| 1.6 | <p>The Authorized Representatives are:</p> <p>For the Employer: _____</p> <p>For the Service Provider: _____</p> |
| 2.1 | <p>The date on which this Contract shall come into effect is [date].</p> <p>[Note: The date may be specified by reference to conditions of effectiveness of the Contract, such as approval of the Contract by the Bank, effectiveness of Bank Loan/IDA Credit, receipt by Service Provider of advance payment and by Employer of bank guarantee (see Clause 6.4), etc.]</p> |
| 2.2.1 | The Starting Date for the commencement of Services is [date].] |
| 2.3 | The Intended Completion Date is [date]. |
| 3.5(d) | <p>[Note: Delete where not applicable].</p> <p>The other actions are _____.]</p> |
| 3.8 | The liquidated damages rate is [insert percentage of Contract price. Usually liquidated |

Damages are set between 0.05 percent and 0.10 percent per day] per day

The maximum amount of liquidated damages for the whole contract is [insert percentage of Contract price. Usually the total amount is not to exceed between 5 percent to 10 percent of the Contract Price] percent of the final Contract Price.

The percentage [of the cost of having a Defect corrected] to be used for the calculation of Lack of performance Penalty/(ies) is [insert percentage]

The Defects Liability Period is [insert definition of /end date].

5.1 [Note: List here any assistance or exemptions that the Employer may provide under Clause 5.1. If there is no such assistance or exemptions, state “not applicable].”

6.2(a) The amount is [insert amount].

6.4 Payments shall be made according to the following schedule:

[Note: (a) the following installments are indicative only; (b) “commencement date” may be replaced with “date of effectiveness;” and (c) if applicable, detail further the nature of the report evidencing performance, as may be required].

- Advance for Mobilization, Materials and Supplies: percent of the Contract Price shall be paid on the commencement date against the submission of a bank guarantee for the same.
- Progress payments in accordance with the milestones established as follows, subject to certification by the Employer, that the Services have been rendered satisfactorily, pursuant to the performance indicators:

- _____(indicate milestone and/or percentage)_____
- _____(indicate milestone and/or percentage)_____
- _____(indicate milestone and/or percentage)_____

Should the certification not be provided, or refused in writing by the employer within one month of the date of the milestone, or of the date of receipt of the corresponding invoice, the certification will be deemed to have been provided, and the progress payment will be released at such date.

- The amortization of the Advance mentioned above shall commence when the progress payments have reached 25% of the contract price and be completed when the progress payments have reached 75%.
- The bank guarantee shall be released when the total payments reach fifty (75%) percent of the lump-sum amount.

[Note: This sample clause should be specifically drafted for each contract].

65 Payment shall be made within [28] days of receipt of the invoice and the relevant documents specified in Clause 6.4, and within [56] days in the case of the final payment. The interest rate is [rate].

APPENDICES

Appendix A — Description of the Services

Give detailed descriptions of the Services to be provided, dates for completion of various tasks, place of performance for different tasks, specific tasks to be approved by Employer, etc.

Appendix B — Schedule of Payments and Reporting Requirements

List all milestones for payments and list the format, frequency, and contents of reports or products to be delivered; persons to receive them; dates of submission; etc. If no reports are to be submitted, state here “Not applicable.”

Appendix C — Key Personnel

List under: C-1 Titles [and names, if already available], detailed job descriptions and minimum qualifications of Personnel to be assigned to, and staff-months for each.

Appendix D — Services and Facilities Provided by the Employer

SECTION VI – SERVICE RECIPIENT’S REQUIREMENTS

SPECIFICATION FOR THE ENGINE OVERHAUL OF SLAF MT VEHICLES THROUGH ANNUAL CONTRACT BASIS FOR YEAR 2024 AT MTROW SLAF KAT

01. WORK SCOPE FOR THE ENGINE OVERHAUL OF MITSUBISHI 4D56 TURBO

| S/NO | DESCRIPTION | Unit Price | Total Price |
|------|---|------------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | |
| 2 | ENGINE HEAD | | |
| | Engine head to be checked for cracks | | |
| | Engine head to be phased | | |
| | Valve seats to be refitted | | |
| | Valve guides to be refitted | | |
| | Water jacket to be refitted | | |
| 3 | ENGINE BLOCK | | |
| | Engine block to be checked for cracks | | |
| | Re sleeve to be done with sleeve | | |
| | Check the line boring | | |
| | Engine block to be phased | | |
| | Balance shaft bush to be refitted | | |
| | Water jacket to be refitted | | |
| 4 | CRANK SHAFT | | |
| | Big end journal re-cutting | | |
| | Main journal re-cutting | | |
| | Crank end collar to be repaired | | |
| 5 | CAM SHAFT | | |
| | Cam end collar to be repaired | | |
| | Cam shaft to be re-cut | | |
| | Cam shaft bush to be refitted | | |
| 6 | CONNECTING ROD | | |
| | Connecting rod to be checked | | |
| | Gudgeon pin with bush to be refitted | | |
| 7 | INJECTOR PUMP | | |
| | Injector pump and injectors servicing or repair with necessary parts | | |
| 8 | FINAL ASSEMBLING OF ENGINE | | |
| | Assembling and test running of the engine | | |
| 9 | SPARES | | |
| | Piston with pin | Set | 1 |
| | Piston rings | Set | 1 |
| | Big end bearing | Set | 1 |
| | Main bearing | Set | 1 |
| | Inlet valve | Ea | 4 |
| | Exhaust valve | Ea | 4 |
| | Crank shaft thrust plate | Set | 1 |

| | | | | | |
|--|--------------------------------|-----|---|--|--|
| | Overhaul gasket kit complete | Ea | 1 | | |
| | Spigot bearing | Ea | 1 | | |
| | Timing belt (A) | Ea | 1 | | |
| | Timing belt adjuster (A) | Ea | 1 | | |
| | Timing belt (B) | Ea | 1 | | |
| | Timing belt adjuster (B) | Ea | 1 | | |
| | Oil pump | Ea | 1 | | |
| | Water pump complete | Ea | 1 | | |
| | Crank oil seal (front & rear) | Ea | 2 | | |
| | Oil filter | Ea | 1 | | |
| | Temperature sensor | Ea | 1 | | |
| | Oil pressure switch | Ea | 1 | | |
| | Heater plug | Ea | 4 | | |
| | Injector nozzle | Ea | 4 | | |
| | Fan belt | Ea | 1 | | |
| | Viscos unit with Fan | Ea | 1 | | |
| | Valve oil seal | Set | 1 | | |
| | Valve adjusting screw with tip | Set | 1 | | |
| | Oil cap | Ea | 1 | | |
| | Cam oil seal | Ea | 1 | | |
| | Balance shaft oil seal | Ea | 2 | | |
| | Balance shaft bush | Ea | 2 | | |
| | Power steering belt | Ea | 1 | | |
| | Ac belt | Ea | 1 | | |
| | Sealant tube | Ea | 1 | | |
| | Sub Total | | | | |
| | VAT | | | | |
| | Grade Total | | | | |

02. WORK SCOPE FOR THE ENGINE OVERHAUL OF BOLERO JEEP / SINGLE CAB TURBO

| S/NO | DESCRIPTION | Unit Price | Total Price |
|------|---|------------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | |
| 2 | ENGINE HEAD | | |
| | Engine head to be checked for cracks | | |
| | Engine head to be phased | | |
| | Valve seats to be refitted | | |
| | Valve guides to be refitted | | |
| | Water jacket to be refitted | | |
| 3 | ENGINE BLOCK | | |
| | Engine block to be checked for cracks | | |
| | Re sleeve to be done with sleeve | | |
| | Check the line boring | | |
| | Engine block to be phased | | |
| | Water jacket to be refitted | | |
| 4 | CRANK SHAFT | | |
| | Big end journal re-cutting | | |
| | Main journal re-cutting | | |
| | Crank end collar to be repaired (front & rear) | | |
| 5 | CAM SHAFT | | |
| | Cam end collar to be repaired | | |
| | Cam shaft to be re-cut | | |
| | Cam shaft bush to be refitted | | |
| 6 | CONNECTING ROD | | |
| | Connecting rod to be checked | | |
| | Gudgeon pin bush to be refitted | | |
| 7 | INJECTOR PUMP | | |
| | Injector pump servicing or repair with necessary parts | | |
| 8 | FINAL ASSEMBLING OF ENGINE | | |
| | Assembling and test running of the engine | | |
| 9 | SPARES | | |
| | Piston with pin | Set | 1 |
| | Piston rings | Set | 1 |
| | Big end bearing | Set | 1 |
| | Main bearing | Set | 1 |
| | Inlet valve | Ea | 4 |
| | Exhaust valve | Ea | 4 |
| | Crank shaft thrust plate | Set | 1 |
| | Overhaul gasket kit complete | Ea | 1 |
| | Spigot bearing | Ea | 1 |
| | Oil pump | Ea | 1 |
| | Water pump complete | Ea | 1 |
| | Crank oil seal (front & rear) | Ea | 2 |
| | Oil filter | Ea | 1 |

| | | | | | |
|--------------------|-----------------------|-----|---|--|---|
| | Timing chain | Ea | 1 | | |
| | Timing chain adjuster | Ea | 1 | | |
| | Timing chain guard | Ea | 2 | | |
| | Temperature sensor | Ea | 1 | | |
| | Oil pressure switch | Ea | 1 | | |
| | Heater plug | Ea | 4 | | |
| | Injector nozzle | Ea | 4 | | |
| | Fan belt | Ea | 1 | | |
| | Viscos unit with Fan | Ea | 1 | | |
| | Power steering belt | Ea | 1 | | |
| | Valve oil seal | Set | 1 | | |
| | Alternator belt | Ea | 1 | | |
| | Sealant tube | Ea | 1 | | |
| Sub Total | | | | | |
| Vat | | | | | - |
| Grand Total | | | | | |

03. WORK SCOPE FOR THE ENGINE OVERHAUL OF - L/A/L 709 D TURBO

| S/NO | DESCRIPTION | Unit Price | Total Price |
|------|---|------------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | |
| 2 | ENGINE HEAD | | |
| | Engine head to be checked for cracks | | |
| | Engine head to be phased | | |
| | Valve seats to be refitted with valve | | |
| | Valve guides to be refitted with | | |
| | Rocker arm bush to be refitted | | |
| 3 | ENGINE BLOCK | | |
| | Engine block to be checked for cracks | | |
| | Re sleeve to be done with sleeve | | |
| | Check the line boring | | |
| | Engine block to be phased | | |
| 4 | CRANK SHAFT | | |
| | Big end journal re-cutting | | |
| | Main journal re-cutting | | |
| | Crank end collar to be repaired (front & rear) | | |
| 5 | CAM SHAFT | | |
| | Cam end collar to be repaired | | |
| | Cam shaft to be re-cut | | |
| | Cam shaft bush to be refitted with bush | | |
| 6 | CONNECTING ROD | | |
| | Connecting rod to be checked | | |
| | Gudgeon pin with bush to be refitted | | |
| 7 | AIR COMPRESSOR | | |
| | Air compressor cylinder re- boring work to be done | | |
| | Gudgeon pin bush to be refitted with bush | | |
| | Air compressor crank shaft re cutting work to be done | | |
| 8 | INJECTOR PUMP | | |
| | Injector pump servicing or repair with necessary parts | | |
| 9 | FINAL ASSEMBLING OF ENGINE | | |
| | Assembling and test running of the engine | | |
| 10 | SPARES | | |
| | Piston with pin (Turbo) | Set | 1 |
| | Piston rings (Turbo) | Set | 1 |
| | Big end bearing | Set | 1 |
| | Main bearing | Set | 1 |
| | Inlet valve | Ea | 4 |
| | Exhaust valve | Ea | 4 |
| | Crank shaft thrust plate | Set | 1 |
| | Overhaul gasket kit complete | Ea | 1 |
| | Crank oil seal (front & rear) | Ea | 2 |
| | Air compressor con rod bearing | Set | 1 |
| | Air compressor piston with rings | Set | 1 |
| | Air compressor valve plate | Set | 1 |
| | Air compressor R/Kit | Ea | 1 |

| | | | | | |
|--|-------------------------|-----|---|--|--|
| | Air compressor oil seal | Ea | 1 | | |
| | Water pump complete | Ea | 1 | | |
| | Oil pump | Ea | 1 | | |
| | Oil filter | Ea | 2 | | |
| | Temperature sensor | Ea | 1 | | |
| | Oil pressure switch | Ea | 1 | | |
| | Injector nozzle | Ea | 4 | | |
| | Feed pump complete | Ea | 1 | | |
| | Fan belt | Ea | 2 | | |
| | Push rod bucket | Set | 1 | | |
| | Valve oil seal | Set | 1 | | |
| | Cooling fan | Ea | 1 | | |
| | Spigot bearing | Ea | 1 | | |
| | Sealant tube | Ea | 2 | | |
| | Sub Total | | | | |
| | VAT | | | | |
| | Grade Total | | | | |

04. WORK SCOPE FOR THE ENGINE OVERHAUL OF - TATA 1313 697D TURBO

| S/NO | DESCRIPTION | Unit Price | Total Price |
|------|---|------------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | |
| 2 | ENGINE HEAD | | |
| | Engine head to be checked for cracks | | |
| | Engine head to be phased | | |
| | Valve seats to be refitted with valve | | |
| | Valve guides to be refitted with valve guides | | |
| | Rocker arm bush to be refitted | | |
| 3 | ENGINE BLOCK | | |
| | Engine block to be checked for cracks | | |
| | Re sleeve to be done with sleeve | | |
| | Check the line boring | | |
| | Engine block to be phased | | |
| 4 | CRANK SHAFT | | |
| | Crank shaft crack to be checked | | |
| | Big end journal re-cutting | | |
| | Main journal re-cutting | | |
| 5 | CAM SHAFT | | |
| | Air compressor journal wear ness to be checked & re cut | | |
| | Cam end collar to be repaired | | |
| | Cam shaft to be re-cut | | |
| | Cam shaft bush to be refitted with bush | | |
| 6 | CONNECTING ROD | | |
| | Connecting rod to be checked | | |
| | Gudgeon pin with bush to be refitted | | |
| 7 | AIR COMPRESSOR | | |
| | Air compressor cylinder re- boring work to be done | | |
| | Gudgeon pin bush to be refitted with bush | | |
| 8 | INJECTOR PUMP | | |
| | Injector pump servicing or repair with necessary parts | | |
| 9 | FINAL ASSEMBLING OF ENGINE | | |
| | Assembling and test running of the engine | | |
| 10 | SPARES | | |
| | Piston with pin | Set | 1 |
| | Piston rings | Set | 1 |
| | Big end bearing | Set | 1 |
| | Main bearing | Set | 1 |
| | Inlet valve | Ea | 6 |
| | Exhaust valve | Ea | 6 |
| | Crank shaft thrust plate | Set | 1 |
| | Overhaul gasket kit complete | Ea | 1 |
| | Crank oil seal (front & rear) | Ea | 2 |
| | Air compressor con rod bearing | Set | 1 |
| | Air compressor piston with rings | Set | 1 |
| | Air compressor valve plate | Set | 1 |
| | Air compressor R/Kit | Set | 1 |
| | Spacer for vibration damper | Ea | 1 |

| | | | | | |
|--------------------|--------------------------------------|-----|---|--|--|
| | Thrust washer cam timing wheel | Ea | 1 | | |
| | Plug expansion (Cam hole) | Ea | 1 | | |
| | Spigot bearing | Ea | 1 | | |
| | Water pump complete | Ea | 1 | | |
| | Oil pump | Ea | 1 | | |
| | Oil filter | Ea | 1 | | |
| | Temperature sensor | Ea | 1 | | |
| | Injector nozzle | Ea | 6 | | |
| | Fan belt | Ea | 2 | | |
| | Push rod bucket | Set | 1 | | |
| | Cooling fan | Ea | 1 | | |
| | Engine head water by pass metal line | Ea | 1 | | |
| | Valve oil seal set | Ea | 1 | | |
| | Power steering belt | Ea | 1 | | |
| | Sealant tube | Ea | 2 | | |
| Sub Total | | | | | |
| Vat | | | | | |
| Grand Total | | | | | |

05. WORK SCOPE FOR THE ENGINE OVERHAUL OF – TOYOTA 2C TURBO

| S/NO | DESCRIPTION | | | Unit | Total Price |
|------|--|-----|---|------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction/ | | | | |
| 2 | ENGINE HEAD | | | | |
| | Engine head to be checked for cracks | | | | |
| | Engine head to be phased | | | | |
| | Valve seats to be refitted with valve | | | | |
| | Valve guides to be refitted | | | | |
| | Water jacket to be refitted | | | | |
| 3 | ENGINE BLOCK | | | | |
| | Engine block to be checked for cracks | | | | |
| | Re sleeve to be done with sleeve | | | | |
| | Check the line boring | | | | |
| | Engine block to be phased | | | | |
| | Water jacket to be refitted | | | | |
| 4 | CRANK SHAFT | | | | |
| | Big end journal re-cutting | | | | |
| | Main journal re-cutting | | | | |
| | Crank end collar to be repaired (front & rear) | | | | |
| 5 | CAM SHAFT | | | | |
| | Cam shaft to be re-cut | | | | |
| | Cam end collar to be repaired | | | | |
| | Cam shaft bush to be refitted with bush | | | | |
| 6 | CONNECTING ROD | | | | |
| | Connecting rod to be checked | | | | |
| | Gudgeon pin bush to be refitted with bush | | | | |
| 7 | INJECTOR PUMP | | | | |
| | Injector pump servicing or repair with necessary parts | | | | |
| 8 | FINAL ASSEMBLING OF ENGINE | | | | |
| | Assembling and test running of the engine | | | | |
| 9 | SPARES | | | | |
| | Piston with pin (Turbo) | Set | 1 | | |
| | Piston rings (Turbo) | Set | 1 | | |
| | Big end bearing | Set | 1 | | |
| | Main bearing | Set | 1 | | |
| | Inlet valve | Ea | 4 | | |
| | Exhaust valve | Ea | 4 | | |
| | Crank shaft thrust plate | Set | 1 | | |
| | Overhaul gasket kit complete | Ea | 1 | | |
| | Spigot bearing | Ea | 1 | | |
| | Timing belt | Ea | 1 | | |
| | Timing belt adjuster | Ea | 1 | | |
| | Timing belt idler wheel | Ea | 1 | | |
| | Water pump | Ea | 1 | | |
| | Oil pump | Ea | 1 | | |
| | Crank oil seal (Front & Rear) | Ea | 2 | | |
| | Oil filter | Ea | 1 | | |
| | Temperature sensor | Ea | 1 | | |

| | | | | | |
|--------------------|-----------------------|-----|---|--|--|
| | Oil pressure switch | Ea | 1 | | |
| | Heater plug | Ea | 4 | | |
| | Injector nozzle | Ea | 4 | | |
| | Fan belt | Ea | 2 | | |
| | Viscose unit with Fan | Ea | 1 | | |
| | Valve oil seal | Set | 1 | | |
| | Cam oil seal | Ea | 1 | | |
| | Crank timing wheel | Ea | 1 | | |
| | Power steering belt | Ea | 1 | | |
| | AC belt | Ea | 1 | | |
| | Sealant tube | Ea | 1 | | |
| Sub Total | | | | | |
| Vat | | | | | |
| Grand Total | | | | | |

06. WORK SCOPE FOR THE ENGINE OVERHAUL OF - TOYOTA 3L TURBO

| S/NO | DESCRIPTION | | | Unit | Total Price |
|------|---|-----|---|------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | | | |
| 2 | ENGINE HEAD | | | | |
| | Engine head to be checked for cracks | | | | |
| | Engine head to be phased | | | | |
| | Valve seats to be refitted with valve seats | | | | |
| | Valve guides to be refitted with valve guides | | | | |
| | Water jacket to be refitted | | | | |
| 3 | ENGINE BLOCK | | | | |
| | Engine block to be checked for cracks | | | | |
| | Re sleeve to be done with sleeve | | | | |
| | Check the line boring | | | | |
| | Engine block to be phased | | | | |
| | Water jacket to be refitted | | | | |
| 4 | CRANK SHAFT | | | | |
| | Big end journal re-cutting | | | | |
| | Main journal re-cutting | | | | |
| | Crank end collar to be repaired (rear) | | | | |
| 5 | CAM SHAFT | | | | |
| | Cam shaft to be re-cut | | | | |
| | Cam end collar to be repaired | | | | |
| | Cam shaft bush to be refitted with bush | | | | |
| 6 | CONNECTING ROD | | | | |
| | Connecting rod to be checked | | | | |
| | Gudgeon pin with bush to be refitted | | | | |
| 7 | INJECTOR PUMP | | | | |
| | Injector pump with injectors servicing or repair with necessary | | | | |
| 8 | FINAL ASSEMBLING OF ENGINE | | | | |
| | Assembling and test running of the engine | | | | |
| 9 | SPARES | | | | |
| | Piston with pin (Turbo) | Set | 1 | | |
| | Piston rings (Turbo) | Set | 1 | | |
| | Big end bearing | Set | 1 | | |
| | Main bearing | Set | 1 | | |
| | Inlet valve | Ea | 4 | | |
| | Exhaust valve | Ea | 4 | | |
| | Crank shaft thrust plate | Set | 1 | | |
| | Cam shaft bearing | Set | 1 | | |
| | Overhaul gasket kit complete | Ea | 1 | | |
| | Spigot bearing | Ea | 1 | | |
| | Timing belt | Ea | 1 | | |
| | Timing belt adjuster | Ea | 1 | | |
| | Timing belt idler wheel | Ea | 1 | | |
| | Water pump | Ea | 1 | | |
| | Oil pump | Ea | 1 | | |
| | Crank oil seal (front & rear) | Ea | 2 | | |

| | | | | | |
|--------------------|------------------------------|-----|---|--|--|
| | Oil filter | Ea | 1 | | |
| | Temperature sensor | Ea | 1 | | |
| | Oil pressure switch | Ea | 1 | | |
| | Heater plug | Ea | 4 | | |
| | Injector nozzle | Ea | 4 | | |
| | Fan belt | Ea | 2 | | |
| | Viscos unit with Fan | Ea | 1 | | |
| | Valve oil seal | Set | 1 | | |
| | Cam oil seal | Ea | 1 | | |
| | Crank timing wheel | Ea | 1 | | |
| | Ac belt | Ea | 1 | | |
| | Power steering Belt | Ea | 1 | | |
| | Injector overflow metal line | Ea | 1 | | |
| | Heater plug connecting plate | Ea | 1 | | |
| | Sealant tube | Ea | 1 | | |
| Sub Total | | | | | |
| VAT | | | | | |
| Grand Total | | | | | |

07. WORK SCOPE FOR THE ENGINE OVERHAUL OF - TATA 1210 692D

| S/NO | DESCRIPTION | Unit Price | Total Price |
|------|---|------------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | |
| 2 | ENGINE HEAD | | |
| | Engine head to be checked for cracks | | |
| | Engine head to be phased | | |
| | Valve seats to be refitted with valve | | |
| | Valve guides to be refitted | | |
| | Rocker arm bush to be refitted | | |
| 3 | ENGINE BLOCK | | |
| | Engine block to be checked for cracks | | |
| | Re sleeve to be done with sleeve | | |
| | Check the line boring | | |
| | Engine block to be phased | | |
| 4 | CRANK SHAFT | | |
| | Crank shaft crack to be checked | | |
| | Big end journal re-cutting | | |
| | Main journal re-cutting | | |
| 5 | CAM SHAFT | | |
| | Air compressor journal wear ness to be checked & re cut | | |
| | Cam end collar to be repaired | | |
| | Cam shaft to be re-cut | | |
| | Cam shaft bush to be refitted with bush | | |
| 6 | CONNECTING ROD | | |
| | Connecting rod to be checked | | |
| | Gudgeon pin with bush to be refitted | | |
| 7 | AIR COMPRESSOR | | |
| | Air compressor cylinder re- boring work to be done | | |
| | Gudgeon pin bush to be refitted with bush | | |
| 8 | INJECTOR PUMP | | |
| | Injector pump servicing or repair with necessary parts | | |
| 9 | FINAL ASSEMBLING OF ENGINE | | |
| | Assembling and test running of the engine | | |
| 10 | SPARES | | |
| | Piston with pin | Set | 1 |
| | Piston rings | Set | 1 |
| | Big end bearing | Set | 1 |
| | Main bearing | Set | 1 |
| | Inlet valve | Ea | 6 |
| | Exhaust valve | Ea | 6 |
| | Crank shaft thrust plate | Set | 1 |
| | Overhaul gasket kit complete | Ea | 1 |
| | Crank oil seal (front & rear) | Ea | 2 |
| | Air compressor con rod bearing | Set | 1 |
| | Air compressor piston with rings | Set | 1 |
| | Air compressor valve plate | Set | 1 |
| | Air compressor R/Kit | Set | 1 |

| | | | | | |
|--------------------|--------------------------------------|-----|---|--|--|
| | Spacer for vibration damper | Ea | 1 | | |
| | Thrust washer cam timing wheel | Ea | 1 | | |
| | Plug expansion (Cam hole) | Ea | 1 | | |
| | Spigot bearing | Ea | 1 | | |
| | Water pump complete | Ea | 1 | | |
| | Oil pump | Ea | 1 | | |
| | Oil filter | Ea | 1 | | |
| | Temperature sensor | Ea | 1 | | |
| | Injector nozzle | Ea | 6 | | |
| | Fan belt | Ea | 2 | | |
| | Push rod bucket | Set | 1 | | |
| | Cooling fan | Ea | 1 | | |
| | Engine head water by pass metal line | Ea | 1 | | |
| | Valve oil seal set | Ea | 1 | | |
| | Sealant tube | Ea | 1 | | |
| Sub Total | | | | | |
| Vat | | | | | |
| Grand Total | | | | | |

08. WORK SCOPE FOR THE ENGINE OVERHAUL OF L/A/L ECOMET

| S/NO | DESCRIPTION | Unit Price | Total Price |
|------|---|------------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | |
| 2 | ENGINE HEAD | | |
| | Engine head to be checked for cracks | | |
| | Engine head to be phased | | |
| | Valve seats to be refitted with valve | | |
| | Valve guides to be refitted | | |
| | Rocker arm bush to be refitted | | |
| 3 | ENGINE BLOCK | | |
| | Engine block to be checked for cracks | | |
| | Re sleeve to be done with sleeve | | |
| | Check the line boring | | |
| | Engine block to be phased | | |
| 4 | CRANK SHAFT | | |
| | Big end journal re-cutting | | |
| | Main journal re-cutting | | |
| | Crank end collar to be repaired (front & rear) | | |
| 5 | CAM SHAFT | | |
| | Cam end collar to be repaired | | |
| | Cam shaft to be re-cut | | |
| | Cam shaft bush to be refitted with bush | | |
| 6 | CONNECTING ROD | | |
| | Connecting rod to be checked | | |
| | Gudgeon pin with bush to be refitted | | |
| 7 | AIR COMPRESSOR | | |
| | Air compressor cylinder re- boring work to be done | | |
| | Gudgeon pin bush to be refitted with bush | | |
| | Air compressor crank shaft re cutting work to be done | | |
| 8 | INJECTOR PUMP | | |
| | Injector pump with injectors servicing or repair with | | |
| 9 | FINAL ASSEMBLING OF ENGINE | | |
| | Assembling and test running of the engine | | |
| 10 | SPARES | | |
| | Piston with pin (Turbo) | Set | 1 |
| | Piston rings (Turbo) | Set | 1 |
| | Big end bearing | Set | 1 |
| | Main bearing | Set | 1 |
| | Inlet valve | Ea | 4 |
| | Exhaust valve | Ea | 4 |
| | Crank shaft thrust plate | Set | 1 |
| | Overhaul gasket kit complete | Ea | 1 |
| | Crank oil seal (front & rear) | Ea | 2 |
| | Air compressor con rod bearing | Set | 1 |
| | Air compressor piston with rings | Set | 1 |
| | Air compressor valve plate | Set | 1 |
| | Air compressor R/Kit | Ea | 1 |

| | | | | | |
|--|-------------------------|-----|---|--|--|
| | Air compressor oil seal | Ea | 1 | | |
| | Water pump complete | Ea | 1 | | |
| | Oil pump | Ea | 1 | | |
| | Oil filter | Ea | 2 | | |
| | Temperature sensor | Ea | 1 | | |
| | Oil pressure switch | Ea | 1 | | |
| | Injector nozzle | Ea | 4 | | |
| | Feed pump complete | Ea | 1 | | |
| | Fan belt | Ea | 2 | | |
| | Viscose unit with Fan | Ea | 1 | | |
| | Push rod bucket | Set | 1 | | |
| | Valve oil seal | Set | 1 | | |
| | Spigot bearing | Ea | 1 | | |
| | Sealant tube | Ea | 2 | | |
| | Sub Total | | | | |
| | VAT | | | | |
| | Grade Total | | | | |

09. WORK SCOPE FOR THE ENGINE OVERHAUL OF – BRITISH LEYLAND EO 402

| S/NO | DESCRIPTION | | | Unit Price | Total Price |
|------|---|-----|---|------------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | | | |
| 2 | ENGINE HEAD | | | | |
| | Engine head to be checked for cracks | | | | |
| | Engine head to be phased | | | | |
| | Valve seats to be refitted with valve seats | | | | |
| | Valve guides to be refitted with valve guides | | | | |
| | Rocker arm bush to be refitted | | | | |
| 3 | ENGINE BLOCK | | | | |
| | Engine block to be checked for cracks | | | | |
| | Cam shaft bush to be refitted with bush | | | | |
| | Re sleeve to be done with sleeve | | | | |
| | Check the line boring | | | | |
| | Engine block to be phased | | | | |
| 4 | CRANK SHAFT | | | | |
| | Crank shaft crack to be checked for cracks | | | | |
| | Big end journal re-cutting | | | | |
| | Main journal re-cutting | | | | |
| | Crank end collar to be repaired rear | | | | |
| 5 | CAM SHAFT | | | | |
| | Cam shaft to be re-cut | | | | |
| | Cam end collar to be repaired | | | | |
| | Cam shaft bush to be refitted with bush | | | | |
| 6 | CONNECTING ROD | | | | |
| | Connecting rod to be checked | | | | |
| | Gudgeon pin bush to be refitted with bush | | | | |
| 7 | AIR COMPRESSOR | | | | |
| | Air compressor cylinder re- boring work to be done | | | | |
| | Gudgeon pin bush to be refitted with bush | | | | |
| | Air compressor crank shaft re cutting work to be done | | | | |
| | Air compressor crank shaft bearing to be refitted | | | | |
| 8 | INJECTOR PUMP | | | | |
| | Injector pump servicing or repair with necessary parts | | | | |
| 9 | FINAL ASSEMBLING OF ENGINE | | | | |
| | Assembling and test running of the engine | | | | |
| 10 | SPARES | | | | |
| | Piston with pin | Set | 1 | | |
| | Piston rings | Set | 1 | | |
| | Big end bearing | Set | 1 | | |
| | Main bearing | Set | 1 | | |
| | Inlet valve | Ea | 6 | | |
| | Exhaust valve | Ea | 6 | | |
| | Crank shaft thrust plate | Set | 1 | | |
| | Overhaul gasket kit complete | Ea | 1 | | |
| | Crank oil seal (front & rear) | Ea | 2 | | |
| | Air compressor con rod bearing | Set | 1 | | |
| | Air compressor piston with rings | Set | 1 | | |

| | | | | | |
|--------------------|--------------------------------|-----|---|--|--|
| | Air compressor valve plate | Set | 1 | | |
| | Air compressor oil seal | Ea | 1 | | |
| | Air compressor R/Kit | Ea | 1 | | |
| | Spacer for vibration damper | Ea | 1 | | |
| | Thrust washer cam timing wheel | Ea | 1 | | |
| | Valve oil seal | Set | 1 | | |
| | Adjusting shim | Ea | 1 | | |
| | Plug expansion cam hole | Ea | 1 | | |
| | Water pump complete | Ea | 1 | | |
| | Oil pump | Ea | 1 | | |
| | Oil filter | Ea | 1 | | |
| | Temperature sensor | Ea | 1 | | |
| | Injector nozzle | Ea | 6 | | |
| | Feed pump complete | Ea | 1 | | |
| | Fan belt | Ea | 2 | | |
| | Viscos unit with fan | Ea | 1 | | |
| | Spigot bearing | Ea | 1 | | |
| | Sealant tube | Ea | 1 | | |
| Sub Total | | | | | |
| Vat | | | | | |
| Grand Total | | | | | |

10. **WORK SCOPE FOR THE ENGINE OVERHAUL OF - L/A/L 401,402 NON TURBO**

| S/NO | DESCRIPTION | Unit Price | Total Price |
|------|---|------------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | |
| 2 | ENGINE HEAD | | |
| | Engine head to be checked for cracks | | |
| | Engine head to be phased | | |
| | Valve seats to be refitted with valve | | |
| | Valve guides to be refitted with valve guides | | |
| | Rocker arm bush to be refitted | | |
| 3 | ENGINE BLOCK | | |
| | Engine block to be checked for cracks | | |
| | Re sleeve to be done with sleeve | | |
| | Check the line boring | | |
| | Engine block to be phased | | |
| 4 | CRANK SHAFT | | |
| | Big end journal re-cutting | | |
| | Main journal re-cutting | | |
| | Crank end collar to be repaired (front & rear) | | |
| 5 | CAM SHAFT | | |
| | Air compressor journal wear ness to be checked & re cut | | |
| | Cam shaft bush to be refitted with bush | | |
| | Cam end coller to be repaired | | |
| | Cam shaft to be re-cut | | |
| 6 | CONNECTING ROD | | |
| | Connecting rod to be checked | | |
| | Gudgeon pin with bush to be refitted | | |
| 7 | AIR COMPRESSOR | | |
| | Air compressor cylinder re- boring work to be done | | |
| | Gudgeon pin bush to be refitted with bush | | |
| | Air compressor crank shaft re cutting work to be done | | |
| 8 | INJECTOR PUMP | | |
| | Injector pump with injectors servicing or repair with | | |
| 9 | FINAL ASSEMBLING OF ENGINE | | |
| | Assembling and test running of the engine | | |
| | SPARES | | |
| | Piston with pin | Set 1 | |
| | Piston rings | Set 1 | |
| | Big end bearing | Set 1 | |
| | Main bearing | Set 1 | |
| | Inlet valve | Ea 6 | |
| | Exhaust valve | Ea 6 | |
| | Crank shaft thrust plate | Set 1 | |
| | Overhaul gasket kit complete | Ea 1 | |
| | Crank oil seal (front & rear) | Ea 2 | |
| | Air compressor con rod bearing | Set 1 | |
| | Air compressor piston with rings | Set 1 | |

| | | | | | |
|--------------------|------------------------------|-----|---|--|--|
| | Air compressor valve plate | Set | 1 | | |
| | Air compressor R/Kit | Ea | 1 | | |
| | Air compressor oil seal | Ea | 1 | | |
| | Water pump complete | Ea | 1 | | |
| | Oil pump | Ea | 1 | | |
| | Oil filter | Ea | 2 | | |
| | Temperature sensor | Ea | 1 | | |
| | Oil pressure switch | Ea | 1 | | |
| | Injector nozzle | Ea | 6 | | |
| | Feed pump complete | Ea | 1 | | |
| | Fan belt | Ea | 1 | | |
| | Spigot bearing | Ea | 1 | | |
| | Injector pump coupling shims | Set | 1 | | |
| | Push rod bucket | Set | 1 | | |
| | Valve oil seal | Set | 1 | | |
| | Cooling fan | Ea | 1 | | |
| | Sealant tube | Ea | 1 | | |
| Sub Total | | | | | |
| Vat | | | | | |
| Grand Total | | | | | |

11. WORK SCOPE FOR THE ENGINE OVERHAUL OF - TATA CUMMINS

| S/NO | DESCRIPTION | Unit Price | Total Price |
|------|---|------------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | |
| 2 | ENGINE HEAD | | |
| | Engine head to be checked for cracks | | |
| | Engine head to be phased | | |
| | Valve seats to be refitted with valve seats | | |
| | Valve guides to be refitted with valve guides. | | |
| | Rocker arm bush to be refitted | | |
| 3 | ENGINE BLOCK | | |
| | Engine block to be checked for cracks | | |
| | Re sleeve to be done with sleeve | | |
| | Check the line boring | | |
| | Engine block to be phased | | |
| 4 | CRANK SHAFT | | |
| | Crank shaft crack to be checked | | |
| | Big end journal re-cutting | | |
| | Main journal re-cutting | | |
| 5 | CAM SHAFT | | |
| | Air compressor journal wear ness to be checked & re cut | | |
| | cam end collar to be repaired | | |
| | cam shaft to be re-cut | | |
| | Cam shaft bush to be refitted | | |
| 6 | CONNECTING ROD | | |
| | Connecting rod to be checked | | |
| | Gudgeon pin with bush to be refitted | | |
| 7 | AIR COMPRESSOR | | |
| | Air compressor cylinder re- boring work to be done | | |
| | Gudgeon pin bush to be refitted with bush | | |
| 8 | INJECTOR PUMP | | |
| | Injector pump with injectors servicing or repair with necessary | | |
| 9 | FINAL ASSEMBLING OF ENGINE | | |
| | Assembling and test running of the engine | | |
| 10 | SPARES | | |
| | Piston with pin (Turbo) | Set 1 | |
| | Piston rings (Turbo) | Set 1 | |
| | Big end bearing | Set 1 | |
| | Main bearing | Set 1 | |
| | Inlet valve | Ea 6 | |
| | Exhaust valve | Ea 6 | |
| | Crank shaft thrust plate | Set 1 | |
| | Overhaul gasket kit complete | Ea 1 | |
| | Crank oil seal (front & rear) | Ea 2 | |
| | Air compressor con rod bearing | Set 1 | |
| | Air compressor piston with rings | Set 1 | |
| | Air compressor valve plate | Set 1 | |
| | Air compressor R/Kit | Set 1 | |
| | Spacer for vibration damper | Ea 1 | |

| | | | | | |
|--|--------------------------------|-----|---|--|--|
| | Thrust washer cam timing wheel | Ea | 1 | | |
| | Plug expansion (Cam hole) | Ea | 1 | | |
| | Spigot bearing | Ea | 1 | | |
| | Valve oil seal | Set | 1 | | |
| | Water pump complete | Ea | 1 | | |
| | Oil pump | Ea | 1 | | |
| | Oil filter | Ea | 1 | | |
| | Temperature sensor | Ea | 1 | | |
| | Oil pressure switch | Ea | 1 | | |
| | Injector nozzle | Ea | 6 | | |
| | Fan belt | Ea | 1 | | |
| | Viscos unit with Fan | Ea | 1 | | |
| | Push rod bucket | Set | 1 | | |
| | Sealant tube | Ea | 2 | | |
| | Sub Total | | | | |
| | VAT | | | | |
| | Grade Total | | | | |

12. WORK SCOPE FOR THE ENGINE OVERHAUL OF - L/A/LW06D NON TURBO HINO

| S/NO | DESCRIPTION | Unit Price | Total Price |
|------|---|------------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | |
| 2 | ENGINE HEAD | | |
| | Engine head to be checked for cracks | | |
| | Engine head to be phased | | |
| | Valve seats to be refitted with valve | | |
| | Valve guides to be refitted with valve guides | | |
| | Rocker arm bush to be refitted | | |
| 3 | ENGINE BLOCK | | |
| | Engine block to be checked for cracks | | |
| | Re sleeve to be done with sleeve | | |
| | Check the line boring | | |
| | Engine block to be phased | | |
| 4 | CRANK SHAFT | | |
| | Big end journal re-cutting | | |
| | Main journal re-cutting | | |
| | Crank end collar to be repaired (front & rear) | | |
| 5 | CAM SHAFT | | |
| | Cam end collar to be repaired | | |
| | Cam shaft to be re-cut | | |
| | Cam shaft bush to be refitted with bush | | |
| 6 | CONNECTING ROD | | |
| | Connecting rod to be checked | | |
| | Gudgeon pin with bush to be refitted | | |
| 7 | AIR COMPRESSOR | | |
| | Air compressor cylinder re- boring work to be done | | |
| | Gudgeon pin with bush to be refitted | | |
| | Air compressor crank shaft re cutting work to be done | | |
| 8 | INJECTOR PUMP | | |
| | Injector pump servicing or repair with necessary parts | | |
| 9 | FINAL ASSEMBLING OF ENGINE | | |
| | Assembling and test running of the engine | | |
| 10 | SPARES | | |
| | Piston with pin | Set 1 | |
| | Piston rings | Set 1 | |
| | Big end bearing | Set 1 | |
| | Main bearing | Set 1 | |
| | Inlet valve | Ea 6 | |
| | Exhaust valve | Ea 6 | |
| | Crank shaft thrust plate | Set 1 | |
| | Overhaul gasket kit complete | Ea 1 | |
| | Crank oil seal (front & rear) | Ea 2 | |
| | Air compressor con rod bearing | Set 1 | |
| | Air compressor piston with rings | Set 1 | |

| | | | | | |
|--|----------------------------|-----|---|--|--|
| | Air compressor valve plate | Set | 1 | | |
| | Air compressor R/Kit | Ea | 1 | | |
| | Air compressor oil seal | Ea | 1 | | |
| | Water pump complete | Ea | 1 | | |
| | Oil pump | Ea | 1 | | |
| | Oil filter | Ea | 2 | | |
| | Temperature sensor | Ea | 1 | | |
| | Oil pressure switch | Ea | 1 | | |
| | Injector nozzle | Ea | 6 | | |
| | Feed pump complete | Ea | 1 | | |
| | Fan belt | Ea | 2 | | |
| | Valve oil seal set | Ea | 1 | | |
| | Spigot bearing | Ea | 1 | | |
| | Power steering belt | Ea | 1 | | |
| | Sealant tube | Ea | 1 | | |
| | Sub Total | | | | |
| | Vat | | | | |
| | Grade Total | | | | |

13. WORK SCOPE FOR THE ENGINE OVERHAUL OF - L/A/L 709 D NON TURBO

| S/NO | DESCRIPTION | Unit Price | Total Price |
|------|---|------------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | |
| 2 | ENGINE HEAD | | |
| | Engine head to be checked for cracks | | |
| | Engine head to be phased | | |
| | Valve seats to be refitted with valve | | |
| | Valve guides to be refitted | | |
| | Rocker arm bush to be refitted | | |
| 3 | ENGINE BLOCK | | |
| | Engine block to be checked for cracks | | |
| | Re sleeve to be done with sleeve | | |
| | Check the line boring | | |
| | Engine block to be phased | | |
| 4 | CRANK SHAFT | | |
| | Big end journal re-cutting | | |
| | Main journal re-cutting | | |
| | Crank end collar to be repaired (front & rear) | | |
| 5 | CAM SHAFT | | |
| | Cam end collar to be repaired | | |
| | Cam shaft to be re-cut | | |
| | Cam shaft bush to be refitted with bush | | |
| 6 | CONNECTING ROD | | |
| | Connecting rod to be checked | | |
| | Gudgeon pin with bush to be refitted | | |
| 7 | AIR COMPRESSOR | | |
| | Air compressor cylinder re- boring work to be done | | |
| | Gudgeon pin bush to be refitted with bush | | |
| | Air compressor crank shaft re cutting work to be done | | |
| 8 | INJECTOR PUMP | | |
| | Injector pump with injectors servicing or repair with | | |
| 9 | FINAL ASSEMBLING OF ENGINE | | |
| | Assembling and test running of the engine | | |
| 10 | SPARES | | |
| | Piston with pin | Set | 1 |
| | Piston rings | Set | 1 |
| | Big end bearing | Set | 1 |
| | Main bearing | Set | 1 |
| | Inlet valve | Ea | 4 |
| | Exhaust valve | Ea | 4 |
| | Crank shaft thrust plate | Set | 1 |
| | Overhaul gasket kit complete | Ea | 1 |
| | Crank oil seal (front & rear) | Ea | 2 |
| | Air compressor con rod bearing | Set | 1 |
| | Air compressor piston with rings | Set | 1 |
| | Air compressor valve plate | Set | 1 |
| | Air compressor R/Kit | Ea | 1 |

| | | | | | |
|--|-------------------------|-----|---|--|--|
| | Air compressor oil seal | Ea | 1 | | |
| | Water pump complete | Ea | 1 | | |
| | Oil pump | Ea | 1 | | |
| | Oil filter | Ea | 2 | | |
| | Temperature sensor | Ea | 1 | | |
| | Oil pressure switch | Ea | 1 | | |
| | Injector nozzle | Ea | 4 | | |
| | Feed pump complete | Ea | 1 | | |
| | Fan belt | Ea | 2 | | |
| | Push rod bucket | Set | 1 | | |
| | Valve oil seal | Set | 1 | | |
| | Cooling fan | Ea | 1 | | |
| | Spigot bearing | Ea | 1 | | |
| | Sealant tube | Ea | 1 | | |
| | Sub Total | | | | |
| | VAT | | | | |
| | Grade Total | | | | |

14. WORK SCOPE FOR THE ENGINE OVERHAUL OF - L/A/L W06D TURBO HINO

| S/NO | DESCRIPTION | Unit Price | Total Price |
|------|---|------------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | |
| 2 | ENGINE HEAD | | |
| | Engine head to be checked for cracks | | |
| | Engine head to be phased | | |
| | Valve seats to be refitted with valve seats | | |
| | Valve guides to be refitted with valve guides | | |
| | Rocker arm bush to be refitted | | |
| 3 | ENGINE BLOCK | | |
| | Engine block to be checked for cracks | | |
| | Re sleeve to be done with sleeve | | |
| | Check the line boring | | |
| | Engine block to be phased | | |
| 4 | CRANK SHAFT | | |
| | Big end journal re-cutting | | |
| | Main journal re-cutting | | |
| | Crank end collar to be repaired (front & rear) | | |
| 5 | CAM SHAFT | | |
| | Cam shaft to be re-cut | | |
| | Cam end collar to be repaired | | |
| | Cam shaft bush to be refitted with bush | | |
| 6 | CONNECTING ROD | | |
| | Connecting rod to be checked | | |
| | Gudgeon pin with bush to be refitted | | |
| 7 | AIR COMPRESSOR | | |
| | Air compressor cylinder re- boring work to be done | | |
| | Gudgeon pin bush to be refitted with bush | | |
| | Air compressor crank shaft re cutting work to be done | | |
| 8 | INJECTOR PUMP | | |
| | Injector pump with injectors servicing or repair with | | |
| 9 | FINAL ASSEMBLING OF ENGINE | | |
| | Assembling and test running of the engine | | |
| 10 | SPARES | | |
| | Piston with pin (Turbo) | Set | 1 |
| | Piston rings (Turbo) | Set | 1 |
| | Big end bearing | Set | 1 |
| | Main bearing | Set | 1 |
| | Inlet valve | Ea | 6 |
| | Exhaust valve | Ea | 6 |
| | Crank shaft thrust plate | Set | 1 |
| | Overhaul gasket kit complete | Ea | 1 |
| | Crank oil seal (front & rear) | Ea | 2 |
| | Air compressor con rod bearing | Set | 1 |
| | Air compressor piston with rings | Set | 1 |
| | Air compressor valve plate | Set | 1 |

| | | | | | |
|--------------------|-------------------------|-----|---|--|--|
| | Air compressor R/Kit | Ea | 1 | | |
| | Air compressor oil seal | Ea | 1 | | |
| | Water pump complete | Ea | 1 | | |
| | Oil pump | Ea | 1 | | |
| | Oil filter | Ea | 2 | | |
| | Temperature sensor | Ea | 1 | | |
| | Oil pressure switch | Ea | 1 | | |
| | Injector nozzle | Ea | 6 | | |
| | Feed pump complete | Ea | 1 | | |
| | Fan belt | Ea | 1 | | |
| | Viscos unit with Fan | Ea | 1 | | |
| | Heator plug | Ea | 6 | | |
| | Push rod bucket | Set | 1 | | |
| | Valve oil seal | Set | 1 | | |
| | Spigot bearing | Ea | 1 | | |
| | Sealant tube | Ea | 1 | | |
| Sub Total | | | | | |
| Vat | | | | | |
| Grand Total | | | | | |

15. WORK SCOPE FOR THE ENGINE OVERHAUL OF TOYOTA COASTER 1 HZ

| S/No | DESCRIPTION | | | Unit Price | Total Price |
|------|---|-----|---|------------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | | | |
| 2 | ENGINE HEAD | | | | |
| | Engine head to be checked for cracks | | | | |
| | Engine head to be phased | | | | |
| | Valve seats to be refitted with valve | | | | |
| | Valve guides to be refitted | | | | |
| | Water jacket to be refitted | | | | |
| 3 | ENGINE BLOCK | | | | |
| | Engine block to be checked | | | | |
| | Re sleeve to be done with sleeve | | | | |
| | Engine block to be phased | | | | |
| | Water jacket to be refitted | | | | |
| 4 | CRANK SHAFT | | | | |
| | Main journal re-cutting | | | | |
| | Big end journal re-cutting | | | | |
| | Crank end collar to be repaired | | | | |
| 5 | CAM SHAFT | | | | |
| | Cam shaft to be re-cut | | | | |
| | Cam shaft bush to be refitted with bush | | | | |
| 6 | CONNECTING ROD | | | | |
| | Connecting rod to be checked | | | | |
| | Gudgeon pin with bush to be refitted with bush | | | | |
| 7 | INJECTOR PUMP | | | | |
| | Injector pump with injectors servicing or repair | | | | |
| 8 | FINAL ASSEMBLING OF ENGINE | | | | |
| | Assembling and test running of the engine | | | | |
| 9 | SPARES | | | | |
| | Piston with pin | Set | 1 | | |
| | Piston rings | Set | 1 | | |
| | Big end bearing | Set | 1 | | |
| | Main bearing | Set | 1 | | |
| | Inlet valve | Ea | 6 | | |
| | Exhaust valve | Ea | 6 | | |
| | Crank shaft thrust plate | Set | 1 | | |
| | Overhaul gasket kit complete | Ea | 1 | | |
| | Crank oil seal (front & rear) | Ea | 2 | | |
| | Spigot bearing | Ea | 1 | | |
| | Cam shaft bearing | Set | 1 | | |
| | Timing belt | Ea | 1 | | |
| | Timing belt adjuster | Ea | 1 | | |
| | Timing belt idler wheel | Ea | 1 | | |
| | Water pump complete | Ea | 1 | | |
| | Oil pump complete | Ea | 1 | | |
| | Oil filter | Ea | 1 | | |
| | Oil pressure switch | Ea | 1 | | |
| | Temperature sensor | Ea | 1 | | |
| | Injector nozzle | Ea | 6 | | |

| | | | | | |
|--|----------------------|-----|---|--|--|
| | Fan belt | Ea | 1 | | |
| | Viscos unit with Fan | Ea | 1 | | |
| | Valve oil seal | Set | 1 | | |
| | Heater plug | Ea | 6 | | |
| | Cam oil seal | Ea | 1 | | |
| | Sealant tube | Ea | 1 | | |
| | AC belt | Ea | 1 | | |
| | Power steering belt | Ea | 1 | | |
| | Sub Total | | | | |
| | VAT | | | | |
| | Grade Total | | | | |

16. WORK SCOPE FOR THE ENGINE OVERHAUL OF - MAZDA WL

| S/NO | DESCRIPTION | | | Unit Price | Total Price |
|------|---|-----|---|------------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | | | |
| 2 | ENGINE HEAD | | | | |
| | Engine head to be checked for cracks | | | | |
| | Engine head to be phased | | | | |
| | Valve seats to be refitted with valve | | | | |
| | Valve guides to be refitted | | | | |
| | Rocker bush to be refitted | | | | |
| 3 | ENGINE BLOCK | | | | |
| | Engine block to be checked for cracks | | | | |
| | Re sleeve to be done with sleeve | | | | |
| | Check the line boring | | | | |
| | Engine block to be phased | | | | |
| | Water jacket to be refitted | | | | |
| 4 | CRANK SHAFT | | | | |
| | Big end journal re-cutting | | | | |
| | Main journal re-cutting | | | | |
| | Crank end collar to be repaired (rear) | | | | |
| 5 | CAM SHAFT | | | | |
| | Cam shaft to be re-cut | | | | |
| | Cam end collar to be repaired | | | | |
| | Cam shaft bush to be refitted with bush | | | | |
| 6 | CONNECTING ROD | | | | |
| | Connecting rod to be checked | | | | |
| | Gudgeon pin with bush to be refitted | | | | |
| 7 | INJECTOR PUMP | | | | |
| | Injector pump with injectors servicing or repair with necessary parts | | | | |
| 8 | FINAL ASSEMBLING OF ENGINE | | | | |
| | Assembling and test running of the engine | | | | |
| 9 | SPARES | | | | |
| | Piston with pin | Set | 1 | | |
| | Piston rings | Set | 1 | | |
| | Big end bearing | Set | 1 | | |
| | Main bearing | Set | 1 | | |
| | Inlet valve | Ea | 4 | | |
| | Exhaust valve | Ea | 4 | | |
| | Crank shaft thrust plate | Set | 1 | | |
| | Cam shaft bearing | Set | 1 | | |
| | Overhaul gasket kit complete | Ea | 1 | | |
| | Spigot bearing | Ea | 1 | | |
| | Timing belt | Ea | 1 | | |
| | Timing belt adjuster | Ea | 1 | | |
| | Timing belt idler wheel | Ea | 1 | | |
| | Water pump | Ea | 1 | | |
| | Oil pump | Ea | 1 | | |

| | | | | | |
|--|--------------------------------|-----|---|--|--|
| | Crank oil seal (front & rear) | Ea | 2 | | |
| | Oil filter | Ea | 1 | | |
| | Temperature sensor | Ea | 1 | | |
| | Oil pressure switch | Ea | 1 | | |
| | Heater plug | Ea | 4 | | |
| | Injector nozzle | Ea | 4 | | |
| | Fan belt | Ea | 1 | | |
| | Viscos unit with Fan | Ea | 1 | | |
| | Valve oil seal | Set | 1 | | |
| | Cam oil seal | Ea | 1 | | |
| | Sealant tube | Ea | 1 | | |
| | Sub Total | | | | |
| | VAT | | | | |
| | Grade Total | | | | |

17. WORK SCOPE FOR THE ENGINE OVERHAUL OF MITSUBISHI 4D 55 PAJARO

| S/NO | DESCRIPTION | Unit Price | Total Price |
|------|---|------------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | |
| 2 | ENGINE HEAD | | |
| | Engine head to be checked for cracks | | |
| | Engine head to be phased | | |
| | Valve seats to be refitted with valve seats | | |
| | Valve guides to be refitted with valve guides. | | |
| | Water jacket to be refitted | | |
| 3 | ENGINE BLOCK | | |
| | Engine block to be checked for cracks | | |
| | Re sleeve to be done with sleeve | | |
| | Check the line boring | | |
| | Engine block to be phased | | |
| | Balance shaft bush to be refitted with bush | | |
| | Water jacket to be refitted | | |
| 4 | CRANK SHAFT | | |
| | Big end journal re-cutting | | |
| | Main journal re-cutting | | |
| | Crank end collar to be repaired (front & rear) | | |
| 5 | CAM SHAFT | | |
| | Cam end collar to be repaired | | |
| | Cam shaft to be re-cut | | |
| | Cam shaft bush to be refitted | | |
| 6 | CONNECTING ROD | | |
| | Connecting rod to be checked | | |
| | Gudgeon pin with bush to be refitted with bush | | |
| 7 | INJECTOR PUMP | | |
| | Injector pump with injector servicing or repair with necessary parts | | |
| 8 | FINAL ASSEMBLING OF ENGINE | | |
| | Assembling and test running of the engine | | |
| 9 | SPARES | | |
| | Piston with pin (Non Turbo) | Set | 1 |
| | Piston rings (Non Turbo) | Set | 1 |
| | Big end bearing | Set | 1 |
| | Main bearing | Set | 1 |
| | Inlet valve | Ea | 4 |
| | Exhaust valve | Ea | 4 |
| | Crank shaft thrust plate | Set | 1 |
| | Overhaul gasket kit complete | Ea | 1 |
| | Spigot bearing | Ea | 1 |
| | Timing belt (A) | Ea | 1 |

| | | | | | |
|--|--------------------------------|-----|---|--|--|
| | Timing belt adjuster (A) | Ea | 1 | | |
| | Timing belt (B) | Ea | 1 | | |
| | Timing belt adjuster (B) | Ea | 1 | | |
| | Oil pump | Ea | 1 | | |
| | Water pump complete | Ea | 1 | | |
| | Crank oil seal (front & rear) | Ea | 2 | | |
| | Oil filter | Ea | 1 | | |
| | Temperature sensor | Ea | 1 | | |
| | Oil pressure switch | Ea | 1 | | |
| | Heater plug | Ea | 4 | | |
| | Injector nozzle | Ea | 4 | | |
| | Fan belt | Ea | 2 | | |
| | Viscos unit with Fan | Ea | 1 | | |
| | Cam oil seal | Ea | 1 | | |
| | Valve oil seal | Set | 1 | | |
| | Balance shaft oil seal | Ea | 2 | | |
| | Balance shaft bush | Ea | 2 | | |
| | Valve adjusting screw with tip | Set | 1 | | |
| | Oil cap | Ea | 1 | | |
| | AC belt | Ea | 1 | | |
| | Power steering belt | Ea | 1 | | |
| | Sealant tube | Ea | 2 | | |
| | Sub Total | | | | |
| | VAT | | | | |
| | Grand Total | | | | |

18. WORK SCOPE FOR THE ENGINE OVERHAUL OF MITSUBISHI 4D56 NON TURBO

| S/NO | DESCRIPTION | Unit Price | Total Price |
|------|---|------------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | |
| 2 | ENGINE HEAD | | |
| | Engine head to be checked for cracks | | |
| | Engine head to be phased | | |
| | Valve seats to be refitted with valve seats | | |
| | Valve guides to be refitted with valve guides. | | |
| | Water jacket to be refitted | | |
| 3 | ENGINE BLOCK | | |
| | Engine block to be checked for cracks | | |
| | Re sleeve to be done with sleeve | | |
| | Check the line boring | | |
| | Engine block to be phased | | |
| | Balance shaft bush to be refitted | | |
| | Water jacket to be refitted | | |
| 4 | CRANK SHAFT | | |
| | Big end journal re-cutting | | |
| | Main journal re-cutting | | |
| | Crank end collar to be repaired (front & rear) | | |
| 5 | CAM SHAFT | | |
| | Cam end collar to be repaired | | |
| | Cam shaft to be re-cut | | |
| | Cam shaft bush to be refitted | | |
| 6 | CONNECTING ROD | | |
| | Connecting rod to be checked | | |
| | Gudgeon pin with bush to be refitted with bush | | |
| 7 | INJECTOR PUMP | | |
| | Injector pump servicing or repair with necessary parts | | |
| 8 | FINAL ASSEMBLING OF ENGINE | | |
| | Assembling and test running of the engine | | |
| 9 | SPARES | | |
| | Piston with pin | Set | 1 |
| | Piston rings | Set | 1 |
| | Big end bearing | Set | 1 |
| | Main bearing | Set | 1 |
| | Inlet valve | Ea | 4 |
| | Exhaust valve | Ea | 4 |
| | Crank shaft thrust plate | Set | 1 |
| | Overhaul gasket kit complete | Ea | 1 |
| | Spigot bearing | Ea | 1 |
| | Timing belt (A) | Ea | 1 |
| | Timing belt adjuster (A) | Ea | 1 |
| | Timing belt (B) | Ea | 1 |

| | | | | | |
|--------------------|--------------------------------|-----|---|--|--|
| | Timing belt adjuster (B) | Ea | 1 | | |
| | Oil pump | Ea | 1 | | |
| | Water pump complete | Ea | 1 | | |
| | Oil filter | Ea | 1 | | |
| | Temperature sensor | Ea | 1 | | |
| | Oil pressure switch | Ea | 1 | | |
| | Heater plug | Ea | 4 | | |
| | Injector nozzle | Ea | 4 | | |
| | Fan belt | Ea | 1 | | |
| | Viscos unit with Fan | Ea | 1 | | |
| | Valve adjusting screw with tip | Set | 1 | | |
| | Oil cap | Ea | 1 | | |
| | Balance shaft bush | Ea | 2 | | |
| | Crank oil seal front & rear | Ea | 1 | | |
| | Valve oil seal set | Ea | 1 | | |
| | Cam oil seal set | Ea | 1 | | |
| | Balance shaft oil seal | Ea | 1 | | |
| | Power steering belt | Ea | 1 | | |
| | Ac belt | Ea | 1 | | |
| | Sealant tube | Ea | 1 | | |
| Sub Total | | | | | |
| Vat | | | | | |
| Grand Total | | | | | |

19. WORK SCOPE FOR THE ENGINE OVERHAUL OF - TOYOTA 2L NON TURBO

| S/NO | DESCRIPTION | Unit Price | Total Price |
|------|---|------------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | |
| 2 | ENGINE HEAD | | |
| | Engine head to be checked for cracks | | |
| | Engine head to be phased | | |
| | Valve seats to be refitted with valve | | |
| | Valve guides to be refitted | | |
| | Water jacket to be refitted | | |
| 3 | ENGINE BLOCK | | |
| | Engine block to be checked for cracks | | |
| | Re sleeve to be done with sleeve | | |
| | Check the line boring | | |
| | Engine block to be phased | | |
| 4 | CRANK SHAFT | | |
| | Big end journal re-cutting | | |
| | Main journal re-cutting | | |
| | Crank end collar to be repaired (front & rear) | | |
| 5 | CAM SHAFT | | |
| | Cam shaft to be re-cut | | |
| | Cam end collar to be repaired | | |
| | Cam shaft bush to be refitted with bush | | |
| 6 | CONNECTING ROD | | |
| | Connecting rod to be checked | | |
| | Gudgeon pin with bush to be refitted with bush | | |
| 7 | INJECTOR PUMP | | |
| | Injector pump servicing or repair with necessary parts | | |
| 8 | FINAL ASSEMBLING OF ENGINE | | |
| | Assembling and test running of the engine | | |
| 9 | SPARES | | |
| | Piston with pin (Non Turbo) | Set 1 | |
| | Piston rings (Non Turbo) | Set 1 | |
| | Big end bearing | Set 1 | |
| | Main bearing | Set 1 | |
| | Inlet valve | Ea 4 | |
| | Exhaust valve | Ea 4 | |
| | Crank shaft thrust plate | Set 1 | |
| | Overhaul gasket kit complete | Ea 1 | |
| | Spigot bearing | Ea 1 | |
| | Timing belt | Ea 1 | |
| | Timing belt adjuster | Ea 1 | |
| | Timing belt idler wheel | Ea 1 | |
| | Water pump | Ea 1 | |
| | Oil pump | Ea 1 | |
| | Crank oil seal (Front & Rear) | Ea 2 | |
| | Oil filter | Ea 1 | |
| | Temperature sensor | Ea 1 | |
| | Oil pressure switch | Ea 1 | |

| | | | | | |
|--------------------|---------------------------------------|-----|---|--|--|
| | Heater plug | Ea | 4 | | |
| | Injector nozzle | Ea | 4 | | |
| | Fan belt | Ea | 2 | | |
| | Ac belt | Ea | 1 | | |
| | Viscos unit with Fan | Ea | 1 | | |
| | Cam shaft bearing | Set | 1 | | |
| | Valve oil seal | Set | 1 | | |
| | Cam oil seal | Ea | 1 | | |
| | Crank timing wheel | Ea | 1 | | |
| | Power steering belt | Ea | 1 | | |
| | Injector overflow line metal line set | Ea | 1 | | |
| | Heater plug connecting plate | Ea | 1 | | |
| | Sealant tube | Ea | 1 | | |
| Sub Total | | | | | |
| Vat | | | | | |
| Grand Total | | | | | |

20. WORK SCOPE FOR THE ENGINE OVERHAUL OF NISSAN TD 27

| S/No | DESCRIPTION | | | Unit Price | Total |
|------|---|-----|---|------------|-------|
| 1 | DISASSEMBLING OF ENGINE | | | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | | | |
| 2 | ENGINE HEAD | | | | |
| | Engine head to be checked for cracks | | | | |
| | Engine head to be phased | | | | |
| | Valve seats to be refitted with valve | | | | |
| | Valve guides to be refitted | | | | |
| | Water jacket to be refitted | | | | |
| 3 | ENGINE BLOCK | | | | |
| | Engine block to be checked | | | | |
| | Re sleeve to be done with sleeve | | | | |
| | Water jacket to be refitted | | | | |
| | Engine block to be phased | | | | |
| 4 | CRANK SHAFT | | | | |
| | Big end journal re-cutting | | | | |
| | Main journal re-cutting | | | | |
| | Crank end collar to be repaired Front & Rear | | | | |
| 5 | CAM SHAFT | | | | |
| | Cam end collar to be repaired | | | | |
| | Cam shaft to be re-cut | | | | |
| | Cam shaft bush to be refitted with bush | | | | |
| 6 | ROCKER | | | | |
| | Rocker bush to be re fitted with bush | | | | |
| 7 | CONNECTING ROD | | | | |
| | Connecting rod to be checked | | | | |
| | Gudgeon pin with bush to be refitted | | | | |
| 8 | INJECTOR PUMP | | | | |
| | Injector pump with injectors servicing or repair with necessary parts | | | | |
| 9 | FINAL ASSEMBLING OF ENGINE | | | | |
| | Assembling and test running of the engine | | | | |
| 10 | SPARES | | | | |
| | Piston with pin | Set | 1 | | |
| | Piston rings | Set | 1 | | |
| | Big end bearing | Set | 1 | | |
| | Main bearing | Set | 1 | | |
| | Inlet valve | Ea | 4 | | |
| | Exhaust valve | Ea | 4 | | |
| | Crank shaft thrust plate | Set | 1 | | |
| | Overhaul gasket kit complete | Ea | 1 | | |
| | Crank oil seal (front & rear) | Ea | 2 | | |
| | Spigot bearing | Ea | 1 | | |
| | Oil pump complete | Ea | 1 | | |
| | Water pump complete | Ea | 1 | | |
| | Oil filter | Ea | 1 | | |
| | Temperature sensor | Ea | 1 | | |
| | Oil pressure switch | Ea | 1 | | |
| | Heater plug | Ea | 4 | | |

| | | | | | |
|--|----------------------|-----|---|--|--|
| | Injector nozzle | Ea | 4 | | |
| | Fan belt | Ea | 1 | | |
| | Viscos unit with Fan | Ea | 1 | | |
| | Valve oil seal | Set | 1 | | |
| | AC belt | Ea | 1 | | |
| | Power steering belt | Ea | 1 | | |
| | Sealant tube | Ea | 2 | | |
| | Alternator belt | Ea | 1 | | |
| | Sub Total | | | | |
| | VAT | | | | |
| | Grade Total | | | | |

21. WORK SCOPE FOR THE ENGINE OVERHAUL OF SUZUKI MARUTI SX4 M16AN/DOHC

| S/NO | DESCRIPTION | Unit Price | Total Price |
|----------|---|------------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | |
| 2 | ENGINE HEAD | | |
| | Engine head to be checked for cracks | | |
| | Engine head to be phased | | |
| | Valve seats to be refitted with valve | | |
| | Valve guides to be refitted | | |
| | Water jacket to be refitted | | |
| 3 | ENGINE BLOCK | | |
| | Engine block to be checked for cracks | | |
| | Re sleeve to be done with sleeve | | |
| | Check the line boring | | |
| | Engine block to be phased | | |
| | Water jacket to be refitted | | |
| 4 | CRANK SHAFT | | |
| | Big end journal re-cutting | | |
| | Main journal re-cutting | | |
| | Crank end collar to be repaired (front & rear) | | |
| 5 | CAM SHAFT | | |
| | Cam end collar to be repaired | | |
| | Cam shaft to be re-cut | | |
| | Cam shaft bush to be refitted | | |
| 6 | CONNECTING ROD | | |
| | Connecting rod to be checked | | |
| | Gudgeon pin bush to be refitted with bush | | |
| 7 | FINAL ASSEMBLING OF ENGINE | | |
| | Assembling and test running of the engine & engine tune-up | | |
| 8 | SPARES | | |
| | Piston with pin | Set 1 | |
| | Piston rings | Set 1 | |
| | Big end bearing | Set 1 | |
| | Main bearing | Set 1 | |
| | Inlet valve | Ea 4 | |
| | Exhaust valve | Ea 4 | |
| | Crank shaft thrust plate | Set 1 | |
| | Timing chain | Ea 1 | |
| | Timing chain adjuster | Ea 1 | |
| | Overhaul gasket kit complete | Ea 1 | |
| | Spigot bearing | Ea 1 | |
| | Oil pump | Ea 1 | |
| | Water pump complete | Ea 1 | |
| | Crank oil seal (front & rear) | Ea 2 | |

| | | | | | |
|--------------------|--------------------------|-----|---|--|--|
| | Oil filter | Ea | 1 | | |
| | Temperature sensor | Ea | 1 | | |
| | Air flow sensor | Ea | 1 | | |
| | Throttle position sensor | Ea | 1 | | |
| | Cam sensor | Ea | 1 | | |
| | Crank sensor | Ea | 1 | | |
| | Oil pressure sensor | Ea | 1 | | |
| | Spark plug | Ea | 4 | | |
| | Ignition coil | Ea | 2 | | |
| | High-tension lead | Ea | 4 | | |
| | Injector nozzle | Ea | 4 | | |
| | Fan belt | Ea | 1 | | |
| | Ac belt | Ea | 1 | | |
| | Ac belt adjuster | Ea | 1 | | |
| | Timing chain guard | Ea | 2 | | |
| | Valve oil seal | Set | 1 | | |
| | Sealant tube | Ea | 1 | | |
| Sub Total | | | | | |
| Vat | | | | | |
| Grand Total | | | | | |

22. WORK SCOPE FOR THE ENGINE OVERHAUL OF - TOYOTA 5L TURBO

| S/NO | DESCRIPTION | Unit Price | Total Price |
|-------------|---|-------------------|--------------------|
| 1 | DISASSEMBLING OF ENGINE | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | |
| 2 | ENGINE HEAD | | |
| | Engine head to be checked for cracks | | |
| | Engine head to be phased | | |
| | Valve seats to be refitted with valve | | |
| | Valve guides to be refitted | | |
| | Water jacket to be refitted | | |
| | Rocker bush to be refitted | | |
| 3 | ENGINE BLOCK | | |
| | Engine block to be checked for cracks | | |
| | Re sleeve to be done with sleeve | | |
| | Check the line boring | | |
| | Engine block to be phased | | |
| | Water jacket to be refitted | | |
| 4 | CRANK SHAFT | | |
| | Big end journal re-cutting | | |
| | Main journal re-cutting | | |
| | Crank end collar to be repaired (rear) | | |
| 5 | CAM SHAFT | | |
| | Cam shaft to be re-cut (IF REQUIRED) | | |
| | Cam end collar to be repaired (IF REQUIRED) | | |
| | Cam shaft bush to be refitted with bush | | |
| 6 | CONNECTING ROD | | |
| | Connecting rod to be checked | | |
| | Gudgeon pin with bush to be refitted | | |
| 7 | INJECTOR PUMP | | |
| | Injector pump with injectors servicing or repair with necessary | | |
| 8 | FINAL ASSEMBLING OF ENGINE | | |
| | Assembling and test running of the engine | | |
| 9 | SPARES | | |
| | Piston with pin (Turbo) | Set 1 | |
| | Piston rings (Turbo) | Set 1 | |
| | Big end bearing | Set 1 | |
| | Main bearing | Set 1 | |
| | Inlet valve | Ea 4 | |
| | Exhaust valve | Ea 4 | |
| | Crank shaft thrust plate | Set 1 | |
| | Cam shaft bearing | Set 1 | |
| | Overhaul gasket kit complete | Ea 1 | |
| | Spigot bearing | Ea 1 | |
| | Timing belt | Ea 1 | |
| | Timing belt adjuster | Ea 1 | |
| | Timing belt idler wheel | Ea 1 | |
| | Water pump | Ea 1 | |
| | Oil pump | Ea 1 | |

| | | | | | |
|--|----------------------------------|-----|---|--|--|
| | Crank oil seal (front & rear) | Ea | 2 | | |
| | Oil filter | Ea | 1 | | |
| | Temperature sensor | Ea | 1 | | |
| | Oil pressure switch | Ea | 1 | | |
| | Heater plug | Ea | 4 | | |
| | Injector nozzle | Ea | 4 | | |
| | Fan belt | Ea | 1 | | |
| | Ac belt | Ea | 1 | | |
| | Viscos unit with Fan | Ea | 1 | | |
| | Valve oil seal | Set | 1 | | |
| | Cam oil seal | Ea | 1 | | |
| | Crank timing wheel | Ea | 1 | | |
| | Sealant tube | Ea | 2 | | |
| | Injector overflow metal line set | Ea | 1 | | |
| | Heater plug connecting plate | Ea | 1 | | |
| | Power steering belt | Ea | 1 | | |
| | Sub Total | | | | |
| | VAT | | | | |
| | Grade Total | | | | |

23. WORK SCOPE FOR THE ENGINE OVERHAUL OF – LAND ROVER DEFENDER NON TDI

| S/NO | DESCRIPTION | Unit Price | Total Price |
|-------------|---|-------------------|--------------------|
| 1 | DISASSEMBLING OF ENGINE | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | |
| 2 | ENGINE BLOCK | | |
| | Engine block re sleeve (Standard size original L/R/D genuine sleeve) | | |
| | Fitting of new piston with pin sets to standard size (L/R/D genuine spares) | | |
| | Fitting of new ring set of standard size (L/R/D genuine spares) | | |
| | Replacement of main bearing set of size 10;20 or 30 (L/R/D genuine spares) | | |
| | Main bearing cap line boring | | |
| | Replacement of big end bearing set of size 10;20 or 30 (L/R/D | | |
| | Connecting rod line boring | | |
| | Replacement of connecting rod bushes (L/R/D genuine | | |
| | Repair of cam journal and fitting of bushes (L/R/D genuine spares) | | |
| | Re grinding of crank shaft and fitting of bearing (L/R/D genuine spares) | | |
| | Engine block re facing | | |
| | Replacement of engine thrust pad (L/R/D genuine spares) | | |
| | Engine block crack check | | |
| | Crank shaft crack check and defect check | | |
| | Repair of crank shaft key | | |
| 3 | ENGINE HEAD | | |
| | Check head distortion and head facing | | |
| | Replacement of engine head pre combustion chamber(L/R/D genuine spares) | | |
| | Engine head valve seat (qty 08) (L/R/D genuine spares) | | |
| | Engine head valve seat cutting and valve facing | | |
| | Replacement of engine head valve guide(qty 08) | | |
| | Engine head leak test | | |
| | Replacement of engine head inlet valve (qty 04) (L/R/D genuine spares) | | |
| | Replacement of engine head exhaust valve (qty 04) (L/R/D | | |
| | Valve re-cutting | | |
| | Head damage repair and re-facing | | |
| | Heater plug thread re-construction & re-cutting | | |
| 4 | INJECTOR PUMP | | |
| | Injector pump repair | | |
| 5 | FINAL ASSEMBLING OF ENGINE | | |
| | Assembling and test running of the engine | | |

| | | | | | |
|--------------------|---|----|---|--|--|
| 6 | SPARES FOR L/R/D JEEP NON TDI ENGINE | | | | |
| | Engine overhaul kit | Ea | 1 | | |
| | De carbonizing Kit | Ea | 1 | | |
| | Rear crank oil seal | Ea | 1 | | |
| | Front crank oil seal | Ea | 1 | | |
| | Cam oil seal | Ea | 1 | | |
| | oil pump | Ea | 1 | | |
| | Fuel feed pump | Ea | 1 | | |
| | Timing belt | Ea | 1 | | |
| | Timing belt Adjuster | Ea | 1 | | |
| | Injector nozzle | Ea | 4 | | |
| | Water Pump | Ea | 1 | | |
| | Oil filter | Ea | 1 | | |
| | Crank wheel | Ea | 1 | | |
| | Vacuum pump | Ea | 1 | | |
| | Fan belt | Ea | 1 | | |
| | Heater plug | Ea | 4 | | |
| | Oil pressure switch | Ea | 1 | | |
| | Heater sensor | Ea | 1 | | |
| | Heater connecting line | Ea | 1 | | |
| | Oil cooler hose | Ea | 2 | | |
| | Water jacket | Ea | 4 | | |
| | Oil jacket | Ea | 1 | | |
| | Thermostat valve | Ea | 1 | | |
| | Push rod set | Ea | 1 | | |
| Sub Total | | | | | |
| Vat | | | | | |
| Grand Total | | | | | |

24. WORK SCOPE FOR THE ENGINE OVERHAUL OF – LAND ROVER DEFENDER 300 TDI

| S/NO | DESCRIPTION | Unit Price | Total Price |
|-------------|---|-------------------|--------------------|
| 1 | DISASSEMBLING OF ENGINE | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | |
| 2 | ENGINE BLOCK | | |
| | Engine block re sleeve (Standard size original L/R/D genuine sleeve) | | |
| | Fitting of new piston with pin sets to standard size (L/R/D genuine spares) | | |
| | Fitting of new ring set of standard size (L/R/D genuine spares) | | |
| | Replacement of main bearing set of size 10;20 or 30 (L/R/D genuine spares) | | |
| | Main bearing cap line boring | | |
| | Replacement of big end bearing set of size 10;20 or 30 (L/R/D genuine spares) | | |
| | Connecting rod line boring | | |
| | Replacement of connecting rod bushes (L/R/D genuine spares) | | |
| | Repair of cam journal and fitting of bushes (L/R/D genuine spares) | | |
| | Re grinding of crank shaft and fitting of bearing (L/R/D genuine spares) | | |
| | Engine block re facing | | |
| | Replacement of engine thrust pad (L/R/D genuine spares) | | |
| | Repair of engine oil pump wheel key | | |
| | Engine block crack check | | |
| | Crank shaft crack and defect check | | |
| | Repairing of crank shaft key | | |
| 3 | ENGINE HEAD | | |
| | Head facing | | |
| | Replacement of head valve seat (qty 08) (L/R/D genuine spares) | | |
| | Engine head valve seat (qty 08)fitting, cutting and valve facing | | |
| | Replacement of engine head valve guide(qty 08) | | |
| | Engine head leak test | | |
| | Replacement of engine head inlet valve (qty 04) (L/R/D genuine spares) | | |
| | Replacement of engine head exhaust valve (qty 04) | | |
| | Valve re-cutting | | |
| | Head damage repair and re-facing | | |
| | Heater plug thread re-construction & re-cutting | | |
| | Rocker stud check and repair | | |
| | Exhaust and inlet manifold stud check and repair | | |
| 4 | INJECTOR PUMP | | |

| | | | | | |
|--------------------|---|-----|---|--|--|
| | Injector pump with injectors repair | | | | |
| 6 | FINAL ASSEMBLING OF ENGINE | | | | |
| | Assembling and test running of the engine | | | | |
| 7 | SPARES FOR L/R/D JEEP TDI ENGINE BLOCK | | | | |
| | Engine overhaul kit | Ea | 1 | | |
| | De carbonizing Kit | Ea | 1 | | |
| | Rear crank oil seal | Ea | 1 | | |
| | Front crank oil seal | Ea | 1 | | |
| | Cam oil seal | Ea | 1 | | |
| | Oil pump | Ea | 1 | | |
| | Fuel feed pump | Ea | 1 | | |
| | Timing belt | Ea | 1 | | |
| | Timing belt Adjuster | Ea | 1 | | |
| | Timing belt idler | Ea | 1 | | |
| | Fan belt tensioner | Ea | 1 | | |
| | Injector nozzle | Ea | 4 | | |
| | Water Pump | Ea | 1 | | |
| | Oil filter | Ea | 1 | | |
| | Crank wheel | Ea | 1 | | |
| | Vacuum pump | Ea | 1 | | |
| | Fan belt | Ea | 1 | | |
| | Heater plug | Ea | 4 | | |
| | Oil pressure switch | Ea | 1 | | |
| | Heater sensor | Ea | 1 | | |
| | Heater connecting line | Ea | 1 | | |
| | Water jacket | Ea | 5 | | |
| | Oil jacket | Ea | 1 | | |
| | Oil zone neck with banjo bolt | Ea | 4 | | |
| | Thermostat valve complete | Ea | 1 | | |
| | Viscose unit | Ea | 1 | | |
| | Viscose fan | Ea | 1 | | |
| | Diesel spill return hose with banjo bolt | set | 1 | | |
| | Fly wheel bush | Ea | 1 | | |
| | Banjo bolt For Oil Feed Pipe turbo | Ea | 1 | | |
| | Pipe Turbo oil feed | Ea | 1 | | |
| | Pipe Oil Drain turbo | Ea | 1 | | |
| | Injector pump over flow banjo bolt | Ea | 1 | | |
| | Injector pump fuel in banjo bolt | Ea | 1 | | |
| | Oil filler cap | Ea | 1 | | |
| | Breather unit | Ea | 1 | | |
| | Breather hose tappet cover to engine | Ea | 1 | | |
| | Fuel cut off switch | Ea | 1 | | |
| | Water by Pass Hose | Ea | 1 | | |
| | Push rod Set | Ea | 1 | | |
| | | | | | |
| Sub Total | | | | | |
| Vat | | | | | |
| Grand Total | | | | | |

25. WORK SCOPE FOR THE ENGINE OVERHAUL OF BOLERO JEEP / SINGLE CAB NON TURBO

| S/NO | DESCRIPTION | Unit Price | Total Price |
|------|---|------------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | |
| 2 | ENGINE HEAD | | |
| | Engine head to be checked for cracks | | |
| | Engine head to be phased | | |
| | Valve seats to be refitted with valve | | |
| | Valve guides to be refitted | | |
| | Water jacket to be refitted | | |
| 3 | ENGINE BLOCK | | |
| | Engine block to be checked for cracks | | |
| | Re sleeve to be done with sleeve | | |
| | Check the line boring | | |
| | Engine block to be phased | | |
| | Water jacket to be refitted | | |
| 4 | CRANK SHAFT | | |
| | Big end journal re-cutting | | |
| | Main journal re-cutting | | |
| | Crank end collar to be repaired (front & rear) | | |
| 5 | CAM SHAFT | | |
| | Cam end collar to be repaired | | |
| | Cam shaft to be re-cut | | |
| | Cam shaft bush to be refitted | | |
| 6 | CONNECTING ROD | | |
| | Connecting rod to be checked | | |
| | Gudgeon pin with bush to be refitted with bush | | |
| 7 | INJECTOR PUMP | | |
| | Injector pump with injectors servicing or repair with necessary parts | | |
| 8 | FINAL ASSEMBLING OF ENGINE | | |
| | Assembling and test running of the engine | | |
| 9 | SPARES | | |
| | Piston with pin | Set | 1 |
| | Piston rings | Set | 1 |
| | Big end bearing | Set | 1 |
| | Main bearing | Set | 1 |
| | Inlet valve | Ea | 4 |
| | Exhaust valve | Ea | 4 |
| | Crank shaft thrust plate | Set | 1 |
| | Overhaul gasket kit complete | Ea | 1 |
| | Spigot bearing | Ea | 1 |
| | Timing chain | Ea | 1 |
| | Timing chain adjuster | Ea | 1 |

| | | | | | |
|--------------------|--------------------------------|-----|---|--|--|
| | Timing chain guard | Ea | 2 | | |
| | Oil pump | Ea | 1 | | |
| | Water pump complete | Ea | 1 | | |
| | Crank oil seal (front & rear) | Ea | 2 | | |
| | Oil filter | Ea | 1 | | |
| | Temperature sensor | Ea | 1 | | |
| | Oil pressure switch | Ea | 1 | | |
| | Heater plug | Ea | 4 | | |
| | Injector nozzle | Ea | 4 | | |
| | Fan belt | Ea | 1 | | |
| | Cooling Fan | Ea | 1 | | |
| | Alternator belt | Ea | 1 | | |
| | AC belt | Ea | 1 | | |
| | Valve oil seal | Set | 1 | | |
| | Sealant tube | Ea | 1 | | |
| Sub Total | | | | | |
| Vat | | | | | |
| Grand Total | | | | | |

26. WORK SCOPE FOR THE ENGINE OVERHAUL OF – TATA 207 DI TURBO

| S/NO | DESCRIPTION | Unit Price | Total Price |
|------|--|------------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction/ | | |
| 2 | ENGINE HEAD | | |
| | Engine head to be checked for cracks | | |
| | Engine head to be phased | | |
| | Valve seats to be refitted with valve | | |
| | Valve guides to be refitted | | |
| | Water jacket to be refitted | | |
| 3 | ENGINE BLOCK | | |
| | Engine block to be checked for cracks | | |
| | Re sleeve to be done with sleeve | | |
| | Check the line boring | | |
| | Engine block to be phased | | |
| | Water jacket to be refitted | | |
| 4 | CRANK SHAFT | | |
| | Air compressor journal weariness to be checked & re cut (if required) | | |
| | Big end journal re-cutting | | |
| | Main journal re-cutting | | |
| | Crank end collar to be repaired (rear) | | |
| 5 | CAM SHAFT | | |
| | Cam shaft to be re-cut | | |
| | Cam end collar to be repaired | | |
| | Cam shaft bush to be refitted with bush | | |
| 6 | CONNECTING ROD | | |
| | Connecting rod to be checked | | |
| | Gudgeon pin with bush to be refitted with bush | | |
| 7 | INJECTOR PUMP | | |
| | Injector pump servicing or repair with necessary parts | | |
| 8 | FINAL ASSEMBLING OF ENGINE | | |
| | Assembling and test running of the engine | | |
| 9 | SPARES | | |
| | Piston with pin (Turbo) | Set 1 | |
| | Piston rings (Turbo) | Set 1 | |
| | Big end bearing | Set 1 | |
| | Main bearing | Set 1 | |
| | Inlet valve | Ea 4 | |
| | Exhaust valve | Ea 4 | |
| | Crank shaft thrust plate | Set 1 | |
| | Overhaul gasket kit complete | Ea 1 | |
| | Spigot bearing | Ea 1 | |
| | Water pump | Ea 1 | |
| | Oil pump | Ea 1 | |
| | Crank oil seal (Front & Rear) | Ea 2 | |
| | Oil filter | Ea 1 | |
| | Temperature sensor | Ea 1 | |
| | Oil pressure switch | Ea 1 | |

| | | | | | |
|--------------------|----------------------|-----|---|--|--|
| | Heater plug | Ea | 4 | | |
| | Injector nozzle | Ea | 4 | | |
| | Fan belt | Ea | 1 | | |
| | Viscos unit with Fan | Ea | 1 | | |
| | Push rod bucket | Set | 1 | | |
| | Valve oil seal | Set | 1 | | |
| | Sealant tube | Ea | 1 | | |
| Sub Total | | | | | |
| Vat | | | | | |
| Grand Total | | | | | |

27. WORK SCOPE FOR THE ENGINE OVERHAUL OF JMC CAB/ TRUCK

| S/NO | DESCRIPTION | Unit Price | Total Price |
|------|---|------------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | |
| 2 | ENGINE HEAD | | |
| | Engine head to be checked for cracks | | |
| | Engine head to be phased | | |
| | Valve seats to be refitted with valve | | |
| | Valve guides to be refitted | | |
| | Water jacket to be refitted | | |
| 3 | ENGINE BLOCK | | |
| | Engine block to be checked for cracks | | |
| | Re sleeve to be done with sleeve | | |
| | Check the line boring | | |
| | Engine block to be phased | | |
| | Water jacket to be refitted | | |
| 4 | CRANK SHAFT | | |
| | Big end journal re-cutting | | |
| | Main journal re-cutting | | |
| | Crank end collar to be repaired (front & rear) | | |
| 5 | CAM SHAFT | | |
| | Cam end collar to be repaired | | |
| | Cam shaft to be re-cut | | |
| | Cam shaft bush to be refitted with bush | | |
| 6 | CONNECTING ROD | | |
| | Connecting rod to be checked | | |
| | Gudgeon pin with bush to be refitted with bush | | |
| 7 | INJECTOR PUMP | | |
| | Injector pump with injectors servicing or repair with necessary parts | | |
| 8 | FINAL ASSEMBLING OF ENGINE | | |
| | Assembling and test running of the engine | | |
| 9 | SPARES | | |
| | Piston with pin | Set | 1 |
| | Piston rings | Set | 1 |
| | Big end bearing | Set | 1 |
| | Main bearing | Set | 1 |
| | Inlet valve | Ea | 4 |
| | Exhaust valve | Ea | 4 |
| | Crank shaft thrust plate | Set | 1 |
| | Overhaul gasket kit complete | Ea | 1 |
| | Spigot bearing | Ea | 1 |
| | Oil pump | Ea | 1 |
| | Water pump complete | Ea | 1 |
| | Crank oil seal (front & rear) | Ea | 2 |
| | Oil filter | Ea | 1 |

| | | | | | |
|--|---------------------------|-----|---|--|--|
| | Temperature sensor | Ea | 1 | | |
| | Oil pressure switch | Ea | 1 | | |
| | Heater plug | Ea | 4 | | |
| | Injector nozzle | Ea | 4 | | |
| | Fan belt | Ea | 1 | | |
| | Viscos unit with Fan | Ea | 1 | | |
| | Oil cap | Ea | 1 | | |
| | Timing idle wheel bearing | Ea | 2 | | |
| | Valve oil seal | Set | 1 | | |
| | AC belt | Ea | 2 | | |
| | Power steering belt | Ea | 2 | | |
| | Sealant tube | Ea | 1 | | |
| | Alternator belt | Ea | 1 | | |
| | Sub Total | | | | |
| | VAT | | | | |
| | Grade Total | | | | |

28. WORK SCOPE FOR THE ENGINE OVERHAUL OF - L/A/L 1618 TURBO

| S/NO | DESCRIPTION | | | Unit Price | Total Price |
|------|---|-----|---|------------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | | | |
| 2 | ENGINE HEAD | | | | |
| | Engine head to be checked for cracks | | | | |
| | Engine head to be phased | | | | |
| | Valve seats to be refitted with valve seats | | | | |
| | Valve guides to be refitted with valve guides | | | | |
| | Rocker arm bush to be refitted | | | | |
| 3 | ENGINE BLOCK | | | | |
| | Engine block to be checked for cracks | | | | |
| | Re sleeve to be done with sleeve | | | | |
| | Check the line boring | | | | |
| | Engine block to be phased | | | | |
| 4 | CRANK SHAFT | | | | |
| | Big end journal re-cutting | | | | |
| | Main journal re-cutting | | | | |
| | Crank end collar to be repaired (front & rear) | | | | |
| 6 | CAM SHAFT | | | | |
| | Cam shaft to be re-cut | | | | |
| | Cam end collar to be repaired | | | | |
| | Cam shaft bush to be refitted with bush | | | | |
| 7 | CONNECTING ROD | | | | |
| | Connecting rod to be checked | | | | |
| | Gudgeon pin with bush to be refitted with bush | | | | |
| 8 | AIR COMPRESSOR | | | | |
| | Air compressor cylinder re- boring work to be done | | | | |
| | Gudgeon pin bush to be refitted with bush | | | | |
| | Air compressor crank shaft re cutting work to be done | | | | |
| 9 | INJECTOR PUMP | | | | |
| | Injector pump with injectors servicing or repair with | | | | |
| 10 | FINAL ASSEMBLING OF ENGINE | | | | |
| | Assembling and test running of the engine | | | | |
| 11 | SPARES | | | | |
| | Piston with pin (Turbo) | Set | 1 | | |
| | Piston rings (Turbo) | Set | 1 | | |
| | Big end bearing | Set | 1 | | |
| | Main bearing | Set | 1 | | |
| | Inlet valve | Ea | 6 | | |
| | Exhaust valve | Ea | 6 | | |
| | Crank shaft thrust plate | Set | 1 | | |
| | Overhaul gasket kit complete | Ea | 1 | | |
| | Crank oil seal (front & rear) | Ea | 2 | | |
| | Air compressor con rod bearing | Set | 1 | | |
| | Air compressor piston with rings | Set | 1 | | |
| | Air compressor valve plate | Set | 1 | | |
| | Air compressor R/Kit | Ea | 1 | | |

| | | | | | |
|--------------------|---|-----|---|--|--|
| | Air compressor oil seal | Ea | 1 | | |
| | Water pump complete | Ea | 1 | | |
| | Oil pump | Ea | 1 | | |
| | Oil filter | Ea | 1 | | |
| | Temperature sensor | Ea | 1 | | |
| | Oil pressure switch | Ea | 1 | | |
| | Injector nozzle | Ea | 6 | | |
| | Feed pump complete | Ea | 1 | | |
| | Fan belt | Ea | 1 | | |
| | Viscos unit with Fan | Ea | 1 | | |
| | Push rod bucket | Set | 1 | | |
| | Valve oil seal | Set | 1 | | |
| | Spigot bearing | Ea | 1 | | |
| | Plug expansion (cam hole) | Ea | 1 | | |
| | Turbo charger pressure hose with banjo bolt set | Ea | 1 | | |
| | Turbo charger return hose with banjo bolt set | Ea | 1 | | |
| | Sealant tube | Ea | 2 | | |
| Sub Total | | | | | |
| Vat | | | | | |
| Grand Total | | | | | |

29. WORK SCOPE FOR THE ENGINE OVERHAUL OF - L/A/L 1614 NON TURBO

| S/NO | DESCRIPTION | | | Unit Price | Total Price |
|------|---|-----|---|------------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | | | |
| 2 | ENGINE HEAD | | | | |
| | Engine head to be checked for cracks | | | | |
| | Engine head to be phased | | | | |
| | Valve seats to be refitted with valve | | | | |
| | Valve guides to be refitted | | | | |
| | Rocker arm bush to be refitted | | | | |
| 3 | ENGINE BLOCK | | | | |
| | Engine block to be checked for cracks | | | | |
| | Re sleeve to be done with sleeve | | | | |
| | Check the line boring | | | | |
| | Engine block to be phased | | | | |
| 4 | CRANK SHAFT | | | | |
| | Big end journal re-cutting | | | | |
| | Main journal re-cutting | | | | |
| | Crank end collar to be repaired (front & rear) | | | | |
| 5 | CAM SHAFT | | | | |
| | Cam end collar to be repaired | | | | |
| | Cam shaft to be re-cut | | | | |
| | Cam shaft bush to be refitted | | | | |
| 6 | CONNECTING ROD | | | | |
| | Connecting rod to be checked | | | | |
| | Gudgeon pin with bush to be refitted with bush | | | | |
| 7 | AIR COMPRESSOR | | | | |
| | Air compressor cylinder re- boring work to be done | | | | |
| | Gudgeon pin bush to be refitted with bush | | | | |
| | Air compressor crank shaft re cutting work to be done | | | | |
| 8 | INJECTOR PUMP | | | | |
| | Injector pump with injectors servicing or repair with necessary parts | | | | |
| 9 | FINAL ASSEMBLING OF ENGINE | | | | |
| | Assembling and test running of the engine | | | | |
| 10 | SPARES | | | | |
| | Piston with pin (Non Turbo) | Set | 1 | | |
| | Piston rings (Non Turbo) | Set | 1 | | |
| | Big end bearing | Set | 1 | | |
| | Main bearing | Set | 1 | | |
| | Inlet valve | Ea | 6 | | |
| | Exhaust valve | Ea | 6 | | |
| | Crank shaft thrust plate | Set | 1 | | |
| | Overhaul gasket kit complete | Ea | 1 | | |
| | Crank oil seal (front & rear) | Ea | 2 | | |
| | Air compressor con rod bearing | Set | 1 | | |

| | | | | | |
|--|----------------------------------|-----|---|--|--|
| | Air compressor piston with rings | Set | 1 | | |
| | Air compressor valve plate | Set | 1 | | |
| | Air compressor R/Kit | Ea | 1 | | |
| | Air compressor oil seal | Ea | 1 | | |
| | Water pump complete | Ea | 1 | | |
| | Oil pump | Ea | 1 | | |
| | Oil filter | Ea | 2 | | |
| | Temperature sensor | Ea | 1 | | |
| | Oil pressure switch | Ea | 1 | | |
| | Injector nozzle | Ea | 6 | | |
| | Feed pump complete | Ea | 1 | | |
| | Fan belt | Ea | 1 | | |
| | Push rod bucket | Set | 1 | | |
| | Valve oil seal | Set | 1 | | |
| | Spigot bearing | Ea | 1 | | |
| | Plug expansion (cam hole) | Ea | 1 | | |
| | Viscos unit with fan | Ea | 1 | | |
| | Sealant tube | Ea | 1 | | |
| | Sub Total | | | | |
| | VAT | | | | |
| | Grand Total | | | | |

30. WORK SCOPE FOR THE ENGINE OVERHAUL OF - L/A/L 1614 TURBO

| S/NO | DESCRIPTION | | | Unit Price | Total Price |
|------|---|-----|---|------------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | | | |
| 2 | ENGINE HEAD | | | | |
| | Engine head to be checked for cracks | | | | |
| | Engine head to be phased | | | | |
| | Valve seats to be refitted with valve | | | | |
| | Valve guides to be refitted with | | | | |
| | Rocker arm bush to be refitted | | | | |
| 3 | ENGINE BLOCK | | | | |
| | Engine block to be checked for cracks | | | | |
| | Re sleeve to be done with sleeve | | | | |
| | Check the line boring | | | | |
| | Engine block to be phased | | | | |
| 4 | CRANK SHAFT | | | | |
| | Big end journal re-cutting | | | | |
| | Main journal re-cutting | | | | |
| | Crank end collar to be repaired (front & rear) | | | | |
| 5 | CAM SHAFT | | | | |
| | Cam shaft to be re-cut | | | | |
| | Cam end collar to be repaired | | | | |
| | Cam shaft bush to be refitted with bush | | | | |
| 6 | CONNECTING ROD | | | | |
| | Connecting rod to be checked | | | | |
| | Gudgeon pin with bush to be refitted with bush | | | | |
| 7 | AIR COMPRESSOR | | | | |
| | Air compressor cylinder re- boring work to be done | | | | |
| | Gudgeon pin bush to be refitted with bush | | | | |
| | Air compressor crank shaft re cutting work to be done | | | | |
| 8 | INJECTOR PUMP | | | | |
| | Injector pump with injectors servicing or repair with | | | | |
| 9 | FINAL ASSEMBLING OF ENGINE | | | | |
| | Assembling and test running of the engine | | | | |
| 10 | SPARES | | | | |
| | Piston with pin (Turbo) | Set | 1 | | |
| | Piston rings (Turbo) | Set | 1 | | |
| | Big end bearing | Set | 1 | | |
| | Main bearing | Set | 1 | | |
| | Inlet valve | Ea | 6 | | |
| | Exhaust valve | Ea | 6 | | |
| | Crank shaft thrust plate | Set | 1 | | |
| | Overhaul gasket kit complete | Ea | 1 | | |
| | Crank oil seal (front & rear) | Ea | 2 | | |
| | Air compressor con rod bearing | Set | 1 | | |
| | Air compressor piston with rings | Set | 1 | | |
| | Air compressor valve plate | Set | 1 | | |
| | Air compressor R/Kit | Ea | 1 | | |

| | | | | | |
|--------------------|---------------------------|-----|---|--|--|
| | Air compressor oil seal | Ea | 1 | | |
| | Water pump complete | Ea | 1 | | |
| | Oil pump | Ea | 1 | | |
| | Oil filter | Ea | 2 | | |
| | Temperature sensor | Ea | 1 | | |
| | Oil pressure switch | Ea | 1 | | |
| | Injector nozzle | Ea | 6 | | |
| | Feed pump complete | Ea | 1 | | |
| | Fan belt | Ea | 2 | | |
| | Push rod bucket | Set | 1 | | |
| | Valve oil seal | Set | 1 | | |
| | Spigot bearing | Ea | 1 | | |
| | Plug expansion (cam hole) | Ea | 1 | | |
| | Viscos unit with fan | Ea | 1 | | |
| | Sealant tube | Ea | 2 | | |
| Sub Total | | | | | |
| Vat | | | | | |
| Grand Total | | | | | |

31. WORK SCOPE FOR THE ENGINE OVERHAUL OF - L/A/L 909 TURBO

| S/NO | DESCRIPTION | Unit Price | Total Price |
|------|---|------------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | |
| 2 | ENGINE HEAD | | |
| | Engine head to be checked for cracks | | |
| | Engine head to be phased | | |
| | Valve seats to be refitted with valve | | |
| | Valve guides to be refitted | | |
| | Rocker arm bush to be refitted | | |
| 3 | ENGINE BLOCK | | |
| | Engine block to be checked for cracks | | |
| | Re sleeve to be done with sleeve | | |
| | Check the line boring | | |
| | Engine block to be phased | | |
| 4 | CRANK SHAFT | | |
| | Big end journal re-cutting | | |
| | Main journal re-cutting | | |
| | Crank end collar to be repaired (front & rear) | | |
| 5 | CAM SHAFT | | |
| | Cam end collar to be repaired | | |
| | Cam shaft to be re-cut | | |
| | Cam shaft bush to be refitted | | |
| 6 | CONNECTING ROD | | |
| | Connecting rod to be checked | | |
| | Gudgeon pin with bush to be refitted with bush | | |
| 7 | AIR COMPRESSOR | | |
| | Air compressor cylinder re- boring work to be done | | |
| | Gudgeon pin bush to be refitted with bush | | |
| | Air compressor crank shaft re cutting work to be done | | |
| 8 | INJECTOR PUMP | | |
| | Injector pump servicing or repair with necessary parts | | |
| 9 | FINAL ASSEMBLING OF ENGINE | | |
| | Assembling and test running of the engine | | |
| 10 | SPARES | | |
| | Piston with pin (Turbo) | Set | 1 |
| | Piston rings (Turbo) | Set | 1 |
| | Big end bearing | Set | 1 |
| | Main bearing | Set | 1 |
| | Inlet valve | Ea | 4 |
| | Exhaust valve | Ea | 4 |
| | Crank shaft thrust plate | Set | 1 |
| | Overhaul gasket kit complete | Ea | 1 |
| | Crank oil seal (front & rear) | Ea | 2 |
| | Air compressor con rod bearing | Set | 1 |
| | Air compressor piston with rings | Set | 1 |
| | Air compressor valve plate | Set | 1 |
| | Air compressor R/Kit | Ea | 1 |

| | | | | | |
|--------------------|-------------------------|-----|---|--|--|
| | Air compressor oil seal | Ea | 1 | | |
| | Water pump complete | Ea | 1 | | |
| | Oil pump | Ea | 1 | | |
| | Oil filter | Ea | 2 | | |
| | Temperature sensor | Ea | 1 | | |
| | Oil pressure switch | Ea | 1 | | |
| | Injector nozzle | Ea | 4 | | |
| | Feed pump complete | Ea | 1 | | |
| | Fan belt | Ea | 2 | | |
| | Push rod bucket | Set | 1 | | |
| | Valve Oil seal | Set | 1 | | |
| | Cooling Fan | Ea | 1 | | |
| | Spigot bearing | Ea | 1 | | |
| | Sealant tube | Ea | 2 | | |
| Sub Total | | | | | |
| Vat | | | | | |
| Grand Total | | | | | |

32. WORK SCOPE FOR THE ENGINE OVERHAUL OF - L/A/L 909 NON TURBO

| S/NO | DESCRIPTION | Unit Price | Total Price |
|------|---|------------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | |
| 2 | ENGINE HEAD | | |
| | Engine head to be checked for cracks | | |
| | Engine head to be phased | | |
| | Valve seats to be refitted with valve | | |
| | Valve guides to be refitted | | |
| | Rocker arm bush to be refitted | | |
| 3 | ENGINE BLOCK | | |
| | Engine block to be checked for cracks | | |
| | Re sleeve to be done with sleeve | | |
| | Check the line boring | | |
| | Engine block to be phased | | |
| 4 | CRANK SHAFT | | |
| | Big end journal re-cutting | | |
| | Main journal re-cutting | | |
| | Crank end collar to be repaired (front & rear) | | |
| 5 | CAM SHAFT | | |
| | Cam end collar to be repaired | | |
| | Cam shaft to be re-cut | | |
| | Cam shaft bush to be refitted | | |
| 6 | CONNECTING ROD | | |
| | Connecting rod to be checked | | |
| | Gudgeon pin with bush to be refitted | | |
| 7 | AIR COMPRESSOR | | |
| | Air compressor cylinder re- boring work to be done | | |
| | Gudgeon pin bush to be refitted with bush | | |
| | Air compressor crank shaft re cutting work to be done | | |
| 8 | INJECTOR PUMP | | |
| | Injector pump servicing or repair (With necessary spares) | | |
| 9 | FINAL ASSEMBLING OF ENGINE | | |
| | Assembling and test running of the engine | | |
| 10 | SPARES | | |
| | Piston with pin (Non Turbo) | Set | 1 |
| | Piston rings (Non Turbo) | Set | 1 |
| | Big end bearing | Set | 1 |
| | Main bearing | Set | 1 |
| | Inlet valve | Ea | 4 |
| | Exhaust valve | Ea | 4 |
| | Crank shaft thrust plate | Set | 1 |
| | Overhaul gasket kit complete | Ea | 1 |
| | Crank oil seal (front & rear) | Ea | 2 |
| | Air compressor con rod bearing | Set | 1 |
| | Air compressor piston with rings | Set | 1 |
| | Air compressor valve plate | Set | 1 |
| | Air compressor R/Kit | Ea | 1 |

| | | | | | |
|--------------------|-------------------------|-----|---|--|--|
| | Air compressor oil seal | Ea | 1 | | |
| | Water pump complete | Ea | 1 | | |
| | Oil pump | Ea | 1 | | |
| | Oil filter | Ea | 1 | | |
| | Temperature sensor | Ea | 1 | | |
| | Oil pressure switch | Ea | 1 | | |
| | Injector nozzle | Ea | 4 | | |
| | Feed pump complete | Ea | 1 | | |
| | Fan belt | Ea | 2 | | |
| | Push rod bucket | Set | 1 | | |
| | Valve oil seal set | Ea | 1 | | |
| | Cooling fan | Ea | 1 | | |
| | Spigot bearing | Ea | 1 | | |
| | Sealant tube | Ea | 1 | | |
| Sub Total | | | | | |
| Vat | | | | | |
| Grand Total | | | | | |

33. WORK SCOPE FOR THE ENGINE OVERHAUL OF MITSUBISHI 4D 33

| S/NO | DESCRIPTION | | | Unit Price | Total Price |
|------|--|-----|---|------------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction/ | | | | |
| 2 | ENGINE HEAD | | | | |
| | Engine head to be checked for cracks | | | | |
| | Engine head to be phased | | | | |
| | Valve seats to be refitted with valve | | | | |
| | Valve guides to be refitted | | | | |
| | Water jacket to be refitted | | | | |
| 3 | ENGINE BLOCK | | | | |
| | Engine block to be checked for cracks | | | | |
| | Re sleeve to be done with sleeve | | | | |
| | Check the line boring | | | | |
| | Engine block to be phased | | | | |
| | Balance shaft bush to be refitted | | | | |
| | Water jacket to be refitted | | | | |
| 4 | CRANK SHAFT | | | | |
| | Big end journal re-cutting | | | | |
| | Main journal re-cutting | | | | |
| | Crank end collar to be repaired (front & rear) | | | | |
| 5 | CAM SHAFT | | | | |
| | Cam shaft to be re-cut | | | | |
| | Cam end collar to be repaired | | | | |
| | Cam shaft bush to be refitted | | | | |
| 6 | CONNECTING ROD | | | | |
| | Connecting rod to be checked | | | | |
| | Gudgeon pin with bush to be refitted | | | | |
| 7 | INJECTOR PUMP | | | | |
| | Injector pump with injector servicing or repair with necessary parts | | | | |
| 8 | FINAL ASSEMBLING OF ENGINE | | | | |
| | Assembling and test running of the engine | | | | |
| 9 | SPARES | | | | |
| | Piston with pin (Non Turbo) | Set | 1 | | |
| | Piston rings (Non Turbo) | Set | 1 | | |
| | Big end bearing | Set | 1 | | |
| | Main bearing | Set | 1 | | |
| | Inlet valve | Ea | 4 | | |
| | Exhaust valve | Ea | 4 | | |
| | Crank shaft thrust plate | Set | 1 | | |
| | Overhaul gasket kit complete | Ea | 1 | | |
| | Spigot bearing | Ea | 1 | | |
| | Oil pump | Ea | 1 | | |
| | Water pump complete | Ea | 1 | | |
| | Crank oil seal (front & rear) | Ea | 2 | | |

| | | | | | |
|--------------------|---------------------|----|---|--|--|
| | Oil filter | Ea | 2 | | |
| | Temperature sensor | Ea | 1 | | |
| | Oil pressure switch | Ea | 1 | | |
| | Heater plug | Ea | 4 | | |
| | Injector nozzle | Ea | 4 | | |
| | Feed pump | Ea | 1 | | |
| | Fan belt | Ea | 1 | | |
| | Valve oil seal set | Ea | 1 | | |
| | Cooling fan | Ea | 1 | | |
| | Sealant tube | Ea | 1 | | |
| Sub Total | | | | | |
| Vat | | | | | |
| Grand Total | | | | | |

34. WORK SCOPE FOR THE ENGINE OVERHAUL OF MITSUBISHI 4D 31

| S/NO | DESCRIPTION | | | Unit Price | Total Price |
|------|---|-----|---|------------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | | | |
| 2 | ENGINE HEAD | | | | |
| | Engine head to be checked for cracks | | | | |
| | Engine head to be phased | | | | |
| | Valve seats to be refitted with valve | | | | |
| | Valve guides to be refitted. | | | | |
| | Water jacket to be refitted | | | | |
| 3 | ENGINE BLOCK | | | | |
| | Engine block to be checked for cracks | | | | |
| | Re sleeve to be done with sleeve | | | | |
| | Check the line boring | | | | |
| | Engine block to be phased | | | | |
| | Balance shaft bush to be refitted | | | | |
| 4 | CRANK SHAFT | | | | |
| | Big end journal re-cutting | | | | |
| | Main journal re-cutting | | | | |
| | Crank end collar to be (front & rear) | | | | |
| 5 | CAM SHAFT | | | | |
| | Cam shaft to be re-cut | | | | |
| | Cam end collar to be repaired | | | | |
| | Cam shaft bush to be refitted with bush | | | | |
| 6 | CONNECTING ROD | | | | |
| | Connecting rod to be checked | | | | |
| | Gudgeon pin with bush to be refitted with bush | | | | |
| 7 | INJECTOR PUMP | | | | |
| | Injector pump with injectors servicing or repair with necessary parts | | | | |
| 8 | FINAL ASSEMBLING OF ENGINE | | | | |
| | Assembling and test running of the engine | | | | |
| 9 | SPARES | | | | |
| | Piston with pin (Non Turbo) | Set | 1 | | |
| | Piston rings (Non Turbo) | Set | 1 | | |
| | Big end bearing | Set | 1 | | |
| | Main bearing | Set | 1 | | |
| | Inlet valve | Ea | 4 | | |
| | Exhaust valve | Ea | 4 | | |
| | Crank shaft thrust plate | Set | 1 | | |
| | Overhaul gasket kit complete | Ea | 1 | | |
| | Spigot bearing | Ea | 1 | | |
| | Oil pump | Ea | 1 | | |
| | Water pump complete | Ea | 1 | | |
| | Crank oil seal (front & rear) | Ea | 2 | | |
| | Oil filter | Ea | 2 | | |

| | | | | | |
|--------------------|---------------------|----|---|--|--|
| | Temperature sensor | Ea | 1 | | |
| | Oil pressure switch | Ea | 1 | | |
| | Heater plug | Ea | 4 | | |
| | Injector nozzle | Ea | 4 | | |
| | Feed pump | Ea | 1 | | |
| | Fan belt | Ea | 2 | | |
| | Valve oil seal set | Ea | 1 | | |
| | Sealant tube | Ea | 1 | | |
| Sub Total | | | | | |
| Vat | | | | | |
| Grand Total | | | | | |

35. WORK SCOPE FOR THE ENGINE OVERHAUL OF MITSUBISHI 4D 32

| S/NO | DESCRIPTION | Unit Price | Total Price |
|-------------|--|-------------------|--------------------|
| 1 | DISASSEMBLING OF ENGINE | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction/ | | |
| 2 | ENGINE HEAD | | |
| | Engine head to be checked for cracks | | |
| | Engine head to be phased | | |
| | Valve seats to be refitted with valve | | |
| | Valve guides to be refitted | | |
| | Water jacket to be refitted | | |
| 3 | ENGINE BLOCK | | |
| | Engine block to be checked for cracks | | |
| | Re sleeve to be done with sleeve | | |
| | Check the line boring | | |
| | Engine block to be phased | | |
| | Water jacket to be refitted | | |
| 4 | CRANK SHAFT | | |
| | Big end journal re-cutting | | |
| | Main journal re-cutting | | |
| | Crank end collar to be repaired (front & rear) | | |
| 5 | CAM SHAFT | | |
| | Cam end collar to be repaired | | |
| | Cam shaft to be re-cut | | |
| | Cam shaft bush to be refitted | | |
| 6 | CONNECTING ROD | | |
| | Connecting rod to be checked | | |
| | Gudgeon pin with bush to be refitted with bush | | |
| 7 | INJECTOR PUMP | | |
| | Injector pump with injectors servicing or repair with necessary parts | | |
| 8 | FINAL ASSEMBLING OF ENGINE | | |
| | Assembling and test running of the engine | | |
| 9 | SPARES | | |
| | Piston with pin | Set | 1 |
| | Piston rings | Set | 1 |
| | Big end bearing | Set | 1 |
| | Main bearing | Set | 1 |
| | Inlet valve | Ea | 4 |
| | Exhaust valve | Ea | 4 |
| | Crank shaft thrust plate | Set | 1 |
| | Overhaul gasket kit complete | Ea | 1 |
| | Spigot bearing | Ea | 1 |
| | Oil pump | Ea | 1 |
| | Water pump complete | Ea | 1 |
| | Oil filter | Ea | 2 |
| | Temperature sensor | Ea | 1 |

| | | | | | |
|--------------------|-------------------------------|----|---|--|--|
| | Oil pressure switch | Ea | 1 | | |
| | Heater plug | Ea | 4 | | |
| | Injector nozzle | Ea | 4 | | |
| | Feed pump with fuel filter | Ea | 1 | | |
| | Fan belt | Ea | 1 | | |
| | Crank oil seal (front & rear) | Ea | 1 | | |
| | Vale oil seal | Ea | 1 | | |
| | Sealant tube | Ea | 1 | | |
| Sub Total | | | | | |
| Vat | | | | | |
| Grand Total | | | | | |

36. WORK SCOPE FOR THE ENGINE OVERHAUL OF - TATA 1613 697D TURBO

| S/NO | DESCRIPTION | | | Unit Price | Total Price |
|------|---|-----|---|------------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | | | |
| 2 | ENGINE HEAD | | | | |
| | Engine head to be checked for cracks | | | | |
| | Engine head to be phased | | | | |
| | Valve seats to be refitted with valve | | | | |
| | Valve guides to be refitted | | | | |
| | Rocker arm bush to be refitted | | | | |
| 3 | ENGINE BLOCK | | | | |
| | Engine block to be checked for cracks | | | | |
| | Re sleeve to be done with sleeve | | | | |
| | Check the line boring | | | | |
| | Engine block to be phased | | | | |
| 4 | CRANK SHAFT | | | | |
| | Crank shaft crack to be checked | | | | |
| | Big end journal re-cutting | | | | |
| | Main journal re-cutting | | | | |
| 5 | CAM SHAFT | | | | |
| | Air compressor journal wear ness to be checked & re cut | | | | |
| | Cam shaft to be re-cut | | | | |
| | Cam end collar to be repaired | | | | |
| | Cam shaft bush to be refitted with bush | | | | |
| 6 | CONNECTING ROD | | | | |
| | Connecting rod to be checked | | | | |
| | Gudgeon pin with bush to be refitted with bush | | | | |
| 7 | AIR COMPRESSOR | | | | |
| | Air compressor cylinder re- boring work to be done | | | | |
| | Gudgeon pin with bush to be refitted with bush | | | | |
| 8 | INJECTOR PUMP | | | | |
| | Injector pump servicing or repair with necessary parts | | | | |
| 9 | FINAL ASSEMBLING OF ENGINE | | | | |
| | Assembling and test running of the engine | | | | |
| 10 | SPARES | | | | |
| | Piston with pin (Turbo) | Set | 1 | | |
| | Piston rings (Turbo) | Set | 1 | | |
| | Big end bearing | Set | 1 | | |
| | Main bearing | Set | 1 | | |
| | Inlet valve | Ea | 6 | | |
| | Exhaust valve | Ea | 6 | | |
| | Crank shaft thrust plate | Set | 1 | | |
| | Overhaul gasket kit complete | Ea | 1 | | |
| | Crank oil seal (front & rear) | Ea | 2 | | |
| | Air compressor con rod bearing | Set | 1 | | |
| | Air compressor piston with rings | Set | 1 | | |
| | Air compressor valve plate | Ea | 1 | | |
| | Air compressor R/Kit | Set | 1 | | |

| | | | | | |
|--------------------|--------------------------------|-----|---|--|--|
| | Spacer for vibration damper | Ea | 1 | | |
| | Thrust washer cam timing wheel | Ea | 1 | | |
| | Plug expansion (Cam hole) | Ea | 1 | | |
| | Spigot bearing | Ea | 1 | | |
| | Water pump complete | Ea | 1 | | |
| | Oil pump | Ea | 1 | | |
| | Oil filter | Ea | 1 | | |
| | Temperature sensor | Ea | 1 | | |
| | Oil pressure switch | Ea | 1 | | |
| | Injector nozzle | Ea | 6 | | |
| | Fan belt | Ea | 1 | | |
| | Viscos unit with Fan | Ea | 1 | | |
| | Push rod bucket | Set | 1 | | |
| | Sealant tube | Ea | 2 | | |
| Sub Total | | | | | |
| Vat | | | | | |
| Grand Total | | | | | |

37. WORK SCOPE FOR THE ENGINE OVERHAUL OF - TATA 407

| S/NO | DESCRIPTION | | | Unit Price | Total Price |
|------|---|-----|---|------------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | | | |
| 2 | ENGINE HEAD | | | | |
| | Engine head to be checked for cracks | | | | |
| | Engine head to be phased | | | | |
| | Valve seats to be refitted with valve | | | | |
| | Valve guides to be refitted | | | | |
| | Rocker arm bush to be refitted | | | | |
| 3 | ENGINE BLOCK | | | | |
| | Engine block to be checked for cracks | | | | |
| | Re sleeve to be done with sleeve | | | | |
| | Check the line boring | | | | |
| | Engine block to be phased | | | | |
| 4 | CRANK SHAFT | | | | |
| | Crank shaft crack to be checked | | | | |
| | Big end journal re-cutting | | | | |
| | Main journal re-cutting | | | | |
| 5 | CAM SHAFT | | | | |
| | To be checked air compressor journal wear ness & re cut | | | | |
| | Cam shaft to be re-cut | | | | |
| | Cam end collar to be repaired | | | | |
| | Cam shaft bush to be refitted | | | | |
| 6 | CONNECTING ROD | | | | |
| | Connecting rod to be checked | | | | |
| | Gudgeon pin with bush to be refitted with bush | | | | |
| 7 | AIR COMPRESSOR | | | | |
| | Air compressor cylinder re- boring work to be done | | | | |
| | Gudgeon pin bush to be refitted with bush | | | | |
| 8 | INJECTOR PUMP | | | | |
| | Injector pump with injectors servicing or repair with necessary parts | | | | |
| 9 | FINAL ASSEMBLING OF ENGINE | | | | |
| | Assembling and test running of the engine | | | | |
| 10 | SPARES | | | | |
| | Piston with pin | Set | 1 | | |
| | Piston rings | Set | 1 | | |
| | Big end bearing | Set | 1 | | |
| | Main bearing | Set | 1 | | |
| | Inlet valve | Ea | 4 | | |
| | Exhaust valve | Ea | 4 | | |
| | Crank shaft thrust plate | Set | 1 | | |
| | Overhaul gasket kit complete | Ea | 1 | | |
| | Crank oil seal (front & rear) | Ea | 2 | | |
| | Air compressor con rod bearing | Set | 1 | | |

| | | | | | |
|--------------------|--------------------------------------|-----|---|--|--|
| | Air compressor piston with rings | Set | 1 | | |
| | Air compressor valve plate | Set | 1 | | |
| | Air compressor R/Kit | Ea | 1 | | |
| | Spacer for vibration damper | Ea | 1 | | |
| | Thrust washer cam timing wheel | Ea | 1 | | |
| | Plug expansion (Cam hole) | Ea | 1 | | |
| | Spigot bearing | Ea | 1 | | |
| | Water pump complete | Ea | 1 | | |
| | Oil pump | Ea | 1 | | |
| | Oil filter | Ea | 1 | | |
| | Temperature sensor | Ea | 1 | | |
| | Oil pressure switch | Ea | 1 | | |
| | Injector nozzle | Ea | 4 | | |
| | Feed pump complete | Ea | 1 | | |
| | Fan belt | Ea | 1 | | |
| | Push rod bucket | Set | 1 | | |
| | Engine head water by pass metal line | Ea | 1 | | |
| | Cooling fan | Ea | 1 | | |
| | Power steering belt | Ea | 1 | | |
| | Valve oil seal set | Ea | 1 | | |
| | Sealant tube | Ea | 3 | | |
| Sub Total | | | | | |
| Vat | | | | | |
| Grand Total | | | | | |

38. WORK SCOPE FOR THE ENGINE OVERHAUL OF ISUZU 4JA1 ENGINE

| S/NO | DESCRIPTION | Unit Price | Total Price |
|------|---|------------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | |
| 2 | ENGINE HEAD | | |
| | Engine head to be checked for cracks | | |
| | Engine head to be phased | | |
| | Valve seats to be refitted with valve | | |
| | Valve guides to be refitted | | |
| | Water jacket to be refitted | | |
| 3 | ENGINE BLOCK | | |
| | Engine block to be checked for cracks | | |
| | Re sleeve to be done with sleeve | | |
| | Check the line boring | | |
| | Engine block to be phased | | |
| | Water jacket to be refitted | | |
| 4 | CRANK SHAFT | | |
| | Big end journal re-cutting | | |
| | Main journal re-cutting | | |
| | Crank end collar to be repaired (front & rear) | | |
| 5 | CAM SHAFT | | |
| | Cam end collar to be repaired | | |
| | Cam shaft to be re-cut | | |
| | Cam shaft bush to be refitted | | |
| 6 | CONNECTING ROD | | |
| | Connecting rod to be checked | | |
| | Gudgeon pin with bush to be refitted with bush | | |
| 7 | INJECTOR PUMP | | |
| | Injector pump with injectors servicing or repair with necessary parts | | |
| 8 | FINAL ASSEMBLING OF ENGINE | | |
| | Assembling and test running of the engine | | |
| 9 | SPARES | | |
| | Piston with pin | Set | 1 |
| | Piston rings | Set | 1 |
| | Big end bearing | Set | 1 |
| | Main bearing | Set | 1 |
| | Inlet valve | Ea | 4 |
| | Exhaust valve | Ea | 4 |
| | Crank shaft thrust plate | Set | 1 |
| | Overhaul gasket kit complete | Ea | 1 |
| | Spigot bearing | Ea | 1 |
| | Oil pump | Ea | 1 |
| | Water pump complete | Ea | 1 |
| | Crank oil seal (front & rear) | Ea | 2 |
| | Oil filter | Ea | 1 |

| | | | | | |
|--------------------|---------------------------|----|---|--|--|
| | Temperature sensor | Ea | 1 | | |
| | Oil pressure switch | Ea | 1 | | |
| | Heater plug | Ea | 4 | | |
| | Injector nozzle | Ea | 4 | | |
| | Fan belt | Ea | 1 | | |
| | AC Belt | Ea | 2 | | |
| | Oil cap | Ea | 1 | | |
| | Timing idle wheel bearing | Ea | 2 | | |
| | Viscos unite with fan | Ea | 1 | | |
| | Valve oil seal set | Ea | 1 | | |
| | Sealant tube | Ea | 1 | | |
| Sub Total | | | | | |
| Vat | | | | | |
| Grand Total | | | | | |

39. WORK SCOPE FOR THE ENGINE OVERHAUL OF TATA DIMO SUPPER ACE

| S/No | DESCRIPTION | | | Unit Price | Total Price |
|------|---|-----|---|------------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | | | |
| 2 | ENGINE HEAD | | | | |
| | Engine head to be checked for cracks | | | | |
| | Engine head to be phased | | | | |
| | Valve seats to be refitted with valve | | | | |
| | Valve guides to be refitted | | | | |
| | Water jacket to be refitted | | | | |
| 3 | ENGINE BLOCK | | | | |
| | Engine block to be checked | | | | |
| | Re sleeve to be done with sleeve | | | | |
| | Check the line boring | | | | |
| | Engine block to be phased | | | | |
| | Engine head bolt fixing thread to be repaired | | | | |
| | Water jacket to be refitted | | | | |
| 4 | CRANK SHAFT | | | | |
| | Big end journal re-cutting | | | | |
| | Main journal re-cutting | | | | |
| | Crank end collar to be repaired (Front & rear) | | | | |
| 5 | CAM SHAFT | | | | |
| | Cam shaft to be re-cut | | | | |
| | Cam end collar to be repaired | | | | |
| | Cam shaft bush to be refitted | | | | |
| 6 | CONNECTING ROD | | | | |
| | Connecting rod to be checked | | | | |
| | Gudgeon pin with bush to be refitted with bush | | | | |
| 7 | INJECTOR PUMP | | | | |
| | Injector pump with injector servicing or repair with necessary | | | | |
| 8 | FINAL ASSEMBLING OF ENGINE | | | | |
| | Assembling and test running of the engine | | | | |
| 9 | SPARES | | | | |
| | Piston with pin | Set | 1 | | |
| | Piston rings | Set | 1 | | |
| | Big end bearing | Set | 1 | | |
| | Main bearing | Set | 1 | | |
| | Inlet valve | Ea | 4 | | |
| | Exhaust valve | Ea | 4 | | |
| | Crank shaft thrust plate | Set | 1 | | |
| | Overhaul gasket kit complete | Ea | 1 | | |
| | Spigot bearing (6302) | Ea | 1 | | |
| | Oil pump | Ea | 1 | | |
| | Water pump | Ea | 1 | | |
| | Timing belt | Ea | 1 | | |
| | Timing idler wheel | Ea | 1 | | |
| | Timing belt adjuster | Ea | 1 | | |
| | Oil filter | Ea | 1 | | |
| | Temperature sensor | Ea | 1 | | |

| | | | | | |
|--------------------|---------------------|-----|---|--|--|
| | Oil pressure switch | Ea | 1 | | |
| | Heater plug | Ea | 4 | | |
| | Injector nozzle | Ea | 4 | | |
| | Fan belt | Ea | 1 | | |
| | Push rod bucket | Set | 1 | | |
| | Sealant tube | Ea | 1 | | |
| Sub Total | | | | | |
| Vat | | | | | |
| Grand Total | | | | | |

40. WORK SCOPE FOR THE ENGINE OVERHAUL OF NISSAN URVAN ZD 30

| S/No | DESCRIPTION | | | Unit Price | Total Price |
|------|---|-----|---|------------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | | | |
| 2 | ENGINE HEAD | | | | |
| | Engine head to be checked for cracks | | | | |
| | Engine head to be phased | | | | |
| | Valve seats to be refitted with valve | | | | |
| | Valve guides to be refitted | | | | |
| | Water jacket to be refitted | | | | |
| 3 | ENGINE BLOCK | | | | |
| | Engine block to be checked | | | | |
| | Re sleeve to be done with sleeve | | | | |
| | Water jacket to be refitted | | | | |
| | Engine block to be phased | | | | |
| 4 | CRANK SHAFT | | | | |
| | Main journal re-cutting | | | | |
| | Big end journal re-cutting | | | | |
| | Crank end collar to be repaired | | | | |
| 5 | CAM SHAFT | | | | |
| | Cam shaft to be re-cut | | | | |
| | Cam end collar to be repaired | | | | |
| | Cam shaft bush to be refitted | | | | |
| 6 | ROCKER | | | | |
| | Rocker bush to be re fitted | | | | |
| 7 | CONNECTING ROD | | | | |
| | Connecting rod to be checked | | | | |
| | Gudgeon pin with bush to be refitted with bush | | | | |
| 8 | INJECTOR PUMP | | | | |
| | Injector pump with injectors servicing or repair with | | | | |
| 9 | FINAL ASSEMBLING OF ENGINE | | | | |
| | Assembling and test running of the engine | | | | |
| 10 | SPARES | | | | |
| | Piston with pin | Set | 1 | | |
| | Piston rings | Set | 1 | | |
| | Big end bearing | Set | 1 | | |
| | Main bearing | Set | 1 | | |
| | Inlet valve | Ea | 4 | | |
| | Exhaust valve | Ea | 4 | | |
| | Crank shaft thrust plate | Set | 1 | | |
| | Overhaul gasket kit complete | Ea | 1 | | |
| | Crank oil seal (front & rear) | Ea | 2 | | |
| | Spigot bearing | Ea | 1 | | |
| | Oil pump complete | Ea | 1 | | |
| | Water pump complete | Ea | 1 | | |
| | Oil filter | Ea | 1 | | |
| | Temperature sensor | Ea | 1 | | |
| | Oil pressure switch | Ea | 1 | | |
| | Air flow sensor | Ea | 1 | | |

| | | | | | |
|--------------------|--------------------------|-----|---|--|--|
| | Throttle position sensor | Ea | 1 | | |
| | Cam sensor | Ea | 1 | | |
| | Crank sensor | Ea | 1 | | |
| | Fan belt | Ea | 2 | | |
| | Ac belt | Ea | 1 | | |
| | Viscos unit with Fan | Ea | 1 | | |
| | Valve oil seal | Set | 1 | | |
| | Sealant tube | Ea | 2 | | |
| Sub Total | | | | | |
| Vat | | | | | |
| Grand Total | | | | | |

41. WORK SCOPE FOR THE ENGINE OVERHAUL OF - TOYOTA 2L TURBO

| S/NO | DESCRIPTION | | | Unit Price | Total Price |
|------|--|-----|---|------------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction/ | | | | |
| 2 | ENGINE HEAD | | | | |
| | Engine head to be checked for cracks | | | | |
| | Engine head to be phased | | | | |
| | Valve seats to be refitted with valve | | | | |
| | Valve guides to be refitted with valve guides | | | | |
| | Water jacket to be refitted | | | | |
| 3 | ENGINE BLOCK | | | | |
| | Engine block to be checked for cracks | | | | |
| | Re sleeve to be done with sleeve | | | | |
| | Check the line boring | | | | |
| | Engine block to be phased | | | | |
| | Water jacket to be refitted | | | | |
| 4 | CRANK SHAFT | | | | |
| | Big end journal re-cutting | | | | |
| | Main journal re-cutting | | | | |
| | Crank end collar to be repaired (front & rear) | | | | |
| 5 | CAM SHAFT | | | | |
| | Cam shaft to be re-cut | | | | |
| | Cam end collar to be repaired | | | | |
| | Cam shaft bush to be refitted | | | | |
| 6 | CONNECTING ROD | | | | |
| | Connecting rod to be checked | | | | |
| | Gudgeon pin with bush to be refitted | | | | |
| 7 | INJECTOR PUMP | | | | |
| | Injector pump with injectors servicing or repair with | | | | |
| 8 | FINAL ASSEMBLING OF ENGINE | | | | |
| | Assembling and test running of the engine | | | | |
| 9 | SPARES | | | | |
| | Piston with pin (Turbo) | Set | 1 | | |
| | Piston rings (Turbo) | Set | 1 | | |
| | Big end bearing | Set | 1 | | |
| | Main bearing | Set | 1 | | |
| | Inlet valve | Ea | 4 | | |
| | Exhaust valve | Ea | 4 | | |
| | Crank shaft thrust plate | Set | 1 | | |
| | Cam shaft bearing | Set | 1 | | |

| | | | | | |
|--|------------------------------|----|---|--|--|
| | Overhaul gasket kit complete | Ea | 1 | | |
| | Spigot bearing | Ea | 1 | | |
| | Timing belt | Ea | 1 | | |
| | Timing belt adjuster | Ea | 1 | | |
| | Timing belt idler wheel | Ea | 1 | | |
| | Water pump | Ea | 1 | | |
| | Oil pump | Ea | 1 | | |

| | | | | | |
|--------------------|--------------------------------|-----|---|--|--|
| | Crank oil seal (Front & Rear) | Ea | 2 | | |
| | Oil filter | Ea | 1 | | |
| | Temperature sensor | Ea | 1 | | |
| | Oil pressure switch | Ea | 1 | | |
| | Heater plug | Ea | 4 | | |
| | Injector nozzle | Ea | 4 | | |
| | Fan belt | Ea | 1 | | |
| | Viscos unit with Fan | Ea | 1 | | |
| | Valve oil seal | Set | 1 | | |
| | Cam oil seal | Ea | 1 | | |
| | Crank timing wheel | Ea | 1 | | |
| | Ac belt | Ea | 1 | | |
| | Power steering belt | Ea | 1 | | |
| | Injector overflow motel line | Ea | 1 | | |
| | Hater plug connecting plate | Ea | 1 | | |
| | Sealant tube | Ea | 1 | | |
| Sub Total | | | | | |
| Vat | | | | | |
| Grand Total | | | | | |

42. WORK SCOPE FOR THE ENGINE OVERHAUL OF - TOYOTA 2C NON TURBO

| S/NO | DESCRIPTION | | | Unit Price | Total Price |
|------|---|-----|---|------------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | | | |
| 2 | ENGINE HEAD | | | | |
| | Engine head to be checked for cracks | | | | |
| | Engine head to be phased | | | | |
| | Valve seats to be refitted with valve) | | | | |
| | Valve guides to be refitted | | | | |
| | Water jacket to be refitted | | | | |
| 3 | ENGINE BLOCK | | | | |
| | Engine block to be checked for cracks | | | | |
| | Re sleeve to be done with sleeve | | | | |
| | Check the line boring | | | | |
| | Engine block to be phased | | | | |
| 4 | CRANK SHAFT | | | | |
| | Big end journal re-cutting | | | | |
| | Main journal re-cutting | | | | |
| | Crank end collar to be repaired (front & rear) | | | | |
| 5 | CAM SHAFT | | | | |
| | Cam shaft to be re-cut | | | | |
| | Cam end collar to be repaired | | | | |
| | Cam shaft bush to be refitted | | | | |
| 6 | CONNECTING ROD | | | | |
| | Connecting rod to be checked | | | | |
| | Gudgeon pin with bush to be refitted with bush | | | | |
| 7 | INJECTOR PUMP | | | | |
| | Injector pump with injectors servicing or repair with | | | | |
| 8 | FINAL ASSEMBLING OF ENGINE | | | | |
| | Assembling and test running of the engine | | | | |
| 9 | SPARES | | | | |
| | Piston with pin (Non Turbo) | Set | 1 | | |
| | Piston rings (Non Turbo) | Set | 1 | | |
| | Big end bearing | Set | 1 | | |
| | Main bearing | Set | 1 | | |
| | Inlet valve | Ea | 4 | | |
| | Exhaust valve | Ea | 4 | | |
| | Crank shaft thrust plate | Set | 1 | | |
| | Overhaul gasket kit complete | Ea | 1 | | |
| | Spigot bearing | Ea | 1 | | |
| | Timing belt | Ea | 1 | | |
| | Timing belt adjuster | Ea | 1 | | |
| | Timing belt idler wheel | Ea | 1 | | |
| | Water pump | Ea | 1 | | |
| | Oil pump | Ea | 1 | | |
| | Crank oil seal (Front & Rear) | Ea | 2 | | |
| | Oil filter | Ea | 1 | | |
| | Temperature sensor | Ea | 1 | | |
| | Oil pressure switch | Ea | 1 | | |

| | | | | | |
|--------------------|----------------------|-----|---|--|--|
| | Heater plug | Ea | 4 | | |
| | Injector nozzle | Ea | 4 | | |
| | Fuel cut off switch | Ea | 1 | | |
| | Fan belt | Ea | 2 | | |
| | Viscos unit with Fan | Ea | 1 | | |
| | Valve oil seal | Set | 1 | | |
| | Cam oil seal | Ea | 1 | | |
| | Crank timing wheel | Ea | 1 | | |
| | Ac belt | Ea | 1 | | |
| | Power steering belt | Ea | 1 | | |
| | Sealant tube | Ea | 1 | | |
| Sub Total | | | | | |
| Vat | | | | | |
| Grand Total | | | | | |

43. WORK SCOPE FOR THE ENGINE OVERHAUL OF - TOYOTA 3L NON TURBO

| S/NO | DESCRIPTION | Unit Price | Total Price |
|------|---|------------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | |
| 2 | ENGINE HEAD | | |
| | Engine head to be checked for cracks | | |
| | Engine head to be phased | | |
| | Valve seats to be refitted with valve | | |
| | Valve guides to be refitted | | |
| | Water jacket to be refitted | | |
| 3 | ENGINE BLOCK | | |
| | Engine block to be checked for cracks | | |
| | Re sleeve to be done with sleeve | | |
| | Check the line boring | | |
| | Engine block to be phased | | |
| 4 | CRANK SHAFT | | |
| | Big end journal re-cutting | | |
| | Main journal re-cutting | | |
| | Crank end collar to be repaired (front & rear) | | |
| 5 | CAM SHAFT | | |
| | Cam shaft to be re-cut | | |
| | Cam end collar to be repaired | | |
| | Cam shaft bush to be refitted | | |
| 6 | CONNECTING ROD | | |
| | Connecting rod to be checked | | |
| | Gudgeon pin with bush to be refitted with bush | | |
| 7 | INJECTOR PUMP | | |
| | Injector pump with injectors servicing or repair with necessary parts | | |
| 8 | FINAL ASSEMBLING OF ENGINE | | |
| | Assembling and test running of the engine | | |
| 9 | SPARES | | |
| | Piston with pin (Non Turbo) | Set 1 | |
| | Piston rings (Non Turbo) | Set 1 | |
| | Big end bearing | Set 1 | |
| | Main bearing | Set 1 | |
| | Inlet valve | Ea 4 | |
| | Exhaust valve | Ea 4 | |
| | Crank shaft thrust plate | Set 1 | |
| | Overhaul gasket kit complete | Ea 1 | |
| | Spigot bearing | Ea 1 | |
| | Timing belt | Ea 1 | |
| | Timing belt adjuster | Ea 1 | |
| | Timing belt idler wheel | Ea 1 | |
| | Water pump | Ea 1 | |
| | Oil pump | Ea 1 | |
| | Crank oil seal (Front & Rear) | Ea 2 | |
| | Oil filter | Ea 1 | |
| | Temperature sensor | Ea 1 | |

| | | | | | |
|--------------------|------------------------------------|-----|---|--|--|
| | Oil pressure switch | Ea | 1 | | |
| | Heater plug | Ea | 4 | | |
| | Injector nozzle | Ea | 4 | | |
| | Fan belt | Ea | 1 | | |
| | Ac belt | Ea | 2 | | |
| | Viscos unit with Fan | Ea | 1 | | |
| | Cam shaft bearing | Set | 1 | | |
| | Valve oil seal | Set | 1 | | |
| | Cam oil seal | Ea | 1 | | |
| | Crank timing wheel | Ea | 1 | | |
| | Power steering belt | Ea | 1 | | |
| | Injector overflow metetal line set | Ea | 1 | | |
| | Heater plug connecting plate | Ea | 1 | | |
| | Sealant tube | Ea | 1 | | |
| Sub Total | | | | | |
| Vat | | | | | |
| Grand Total | | | | | |

44. WORK SCOPE FOR THE ENGINE OVERHAUL OF BENZ MB 140D

| S/No | DESCRIPTION | | | Unit Price | Total Price |
|------|---|-----|---|------------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | | | |
| 2 | ENGINE HEAD | | | | |
| | Engine head to be checked for cracks | | | | |
| | Engine head to be phased | | | | |
| | Valve seats to be refitted with valve | | | | |
| | Valve guides to be refitted | | | | |
| | Water jacket to be refitted | | | | |
| 3 | ENGINE BLOCK | | | | |
| | Engine block to be checked for cracks | | | | |
| | Re sleeve to be done with sleeve | | | | |
| | Engine block to be phased | | | | |
| | Water jacket to be refitted | | | | |
| 4 | CRANK SHAFT | | | | |
| | Main journal re-cutting | | | | |
| | Big end journal re-cutting | | | | |
| | Crank end collar to be repaired | | | | |
| 5 | CAM SHAFT | | | | |
| | Cam shaft to be re-cut | | | | |
| | Cam end collar to be repaired | | | | |
| | Cam shaft bush to be refitted with bush | | | | |
| 6 | CONNECTING ROD | | | | |
| | Connecting rod to be checked | | | | |
| | Gudgeon pin with bush to be re fitted with bush | | | | |
| 7 | INJECTOR PUMP | | | | |
| | Injector pump with injectors servicing or repair with necessary | | | | |
| 8 | FINAL ASSEMBLING OF ENGINE | | | | |
| | Assembling and test running of the engine | | | | |
| 9 | Fitting Fan belt adjuster for timing covers repair | | | | |
| | SPARES | | | | |
| | Piston with pin | Set | 1 | | |
| | Piston rings | Set | 1 | | |
| | Big end bearing | Set | 1 | | |
| | Main bearing | Set | 1 | | |
| | Inlet valve | Ea | 5 | | |
| | Exhaust valve | Ea | 5 | | |
| | Crank shaft thrust plate | Set | 1 | | |
| | Overhaul gasket kit complete | Ea | 1 | | |
| | Crank oil seal (front & rear) | Ea | 2 | | |
| | Spigot bearing | Ea | 1 | | |
| | Water pump complete | Ea | 1 | | |
| | Oil pump complete | Ea | 1 | | |
| | Oil filter | Ea | 1 | | |
| | Oil pressure switch | Ea | 1 | | |
| | Temperature sensor | Ea | 1 | | |
| | Injector nozzle | Ea | 5 | | |
| | Fan belt | Ea | 1 | | |
| | Viscos unit with Fan | Ea | 1 | | |

| | | | | | |
|--------------------|-------------------------------|-----|---|--|--|
| | Heater plug | Ea | 5 | | |
| | Timing chain | Ea | 1 | | |
| | Timing chain adjuster | Ea | 1 | | |
| | Timing chain guard | Ea | 2 | | |
| | Fly wheel & disc complete | Ea | 1 | | |
| | Clutch plate | Ea | 1 | | |
| | Pressure plate | Ea | 1 | | |
| | Release bearing | Ea | 1 | | |
| | Clutch hub | Ea | 1 | | |
| | Valve oil seal | Set | 1 | | |
| | Fan belt adjuster with spring | Ea | 1 | | |
| | Injector overflow line | Set | 1 | | |
| | Sealant tube | Ea | 1 | | |
| Sub Total | | | | | |
| Vat | | | | | |
| Grand Total | | | | | |

45. WORK SCOPE FOR THE ENGINE OVERHAUL OF BENZ MB 100D

| S/N | DESCRIPTION | | | Unit Price | Total Price |
|-----|---|-----|---|------------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | | | |
| 2 | ENGINE HEAD | | | | |
| | Engine head to be checked for cracks | | | | |
| | Engine head to be phased | | | | |
| | Valve seats to be refitted with valve | | | | |
| | Valve guides to be refitted | | | | |
| | Water jacket to be refitted | | | | |
| 3 | ENGINE BLOCK | | | | |
| | Engine block to be checked for cracks | | | | |
| | Re sleeve to be done with sleeve | | | | |
| | Engine block to be phased | | | | |
| | Water jacket to be refitted | | | | |
| 4 | CRANK SHAFT | | | | |
| | Main journal re-cutting | | | | |
| | Big end journal re-cutting | | | | |
| | Crank end collar to be repaired | | | | |
| 5 | CAM SHAFT | | | | |
| | Cam shaft to be re-cut | | | | |
| | Cam end collar to be repaired | | | | |
| | Cam shaft bush to be refitted | | | | |
| 6 | CONNECTING ROD | | | | |
| | Connecting rod to be checked | | | | |
| | Gudgeon pin with bush to be re fitted with bush | | | | |
| 7 | INJECTOR PUMP | | | | |
| | Injector pump with injectors servicing or repair with necessary parts | | | | |
| 8 | FINAL ASSEMBLING OF ENGINE | | | | |
| | Assembling and test running of the engine | | | | |
| 9 | Fitting Fan belt adjuster for timing covers repair | | | | |
| | SPARES | | | | |
| | Piston with pin | Set | 1 | | |
| | Piston rings | Set | 1 | | |
| | Big end bearing | Set | 1 | | |
| | Main bearing | Set | 1 | | |
| | Inlet valve | Ea | 5 | | |
| | Exhaust valve | Ea | 5 | | |
| | Crank shaft thrust plate | Set | 1 | | |
| | Overhaul gasket kit complete | Ea | 1 | | |
| | Crank oil seal (front & rear) | Ea | 2 | | |
| | Spigot bearing | Ea | 1 | | |
| | Water pump complete | Ea | 1 | | |
| | Oil pump complete | Ea | 1 | | |
| | Timing chain | Ea | 1 | | |
| | Timing chain adjuster | Ea | 1 | | |
| | Timing chain guard | Ea | 2 | | |
| | Oil filter | Ea | 1 | | |
| | Oil pressure switch | Ea | 1 | | |

| | | | | | |
|--------------------|-------------------------------|-----|---|--|--|
| | Temperature sensor | Ea | 1 | | |
| | Injector nozzle | Ea | 5 | | |
| | Fan belt | Ea | 1 | | |
| | Heater plug | Ea | 5 | | |
| | Viscos unit with Fan | Ea | 1 | | |
| | Fly wheel & disc complete | Ea | 1 | | |
| | Clutch plate | Ea | 1 | | |
| | Pressure plate | Ea | 1 | | |
| | Release bearing | Ea | 1 | | |
| | Clutch hub | Ea | 1 | | |
| | Valve oil seal | Set | 1 | | |
| | Fan belt adjuster with spring | Ea | 1 | | |
| | Injector overflow line | Set | 1 | | |
| | Sealant tube | Ea | 1 | | |
| Sub Total | | | | | |
| Vat | | | | | |
| Grand Total | | | | | |

46. WORK SCOPE FOR THE ENGINE OVERHAUL OF NISSAN TD 42 CIVILIAN

| S/No | DESCRIPTION | | | Unit Price | Total Price |
|------|---|-----|---|------------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | | | |
| 2 | ENGINE HEAD | | | | |
| | Engine head to be checked for cracks | | | | |
| | Engine head to be phased | | | | |
| | Valve seats to be refitted with valve | | | | |
| | Valve guides to be refitted with valve guides | | | | |
| | Water jacket to be refitted | | | | |
| 3 | ENGINE BLOCK | | | | |
| | Engine block to be checked | | | | |
| | Re sleeve to be done with sleeve | | | | |
| | Cam bush to be re fitted with bush | | | | |
| | Water jacket to be refitted | | | | |
| | Engine block to be phased | | | | |
| 4 | CRANK SHAFT | | | | |
| | Main journal re-cutting | | | | |
| | Big end journal re-cutting | | | | |
| | Crank end collar to be repaired | | | | |
| 5 | CAM SHAFT | | | | |
| | Cam end collar to be repaired | | | | |
| | Cam shaft to be re-cut | | | | |
| | Cam shaft bush to be refitted with bush | | | | |
| 6 | ROCKER | | | | |
| | Rocker bush to be re fitted with bush | | | | |
| 7 | CONNECTING ROD | | | | |
| | Connecting rod to be checked | | | | |
| | Gudgeon pin with bush to be refitted with bush | | | | |
| 8 | INJECTOR PUMP | | | | |
| | Injector pump with injectors servicing or repair with | | | | |
| 9 | FINAL ASSEMBLING OF ENGINE | | | | |
| | Assembling and test running of the engine | | | | |
| 10 | SPARES | | | | |
| | Piston with pin | Set | 1 | | |
| | Piston rings | Set | 1 | | |
| | Big end bearing | Set | 1 | | |
| | Main bearing | Set | 1 | | |
| | Inlet valve | Ea | 6 | | |
| | Exhaust valve | Ea | 6 | | |
| | Crank shaft thrust plate | Set | 1 | | |
| | Overhaul gasket kit complete | Ea | 1 | | |
| | Crank oil seal (front & rear) | Ea | 2 | | |
| | Spigot bearing | Ea | 1 | | |
| | Viscos unit with Fan | Ea | 1 | | |
| | Oil pump complete | Ea | 1 | | |
| | Water pump complete | Ea | 1 | | |
| | Oil filter | Ea | 2 | | |
| | Oil pressure switch | Ea | 1 | | |
| | Temperature sensor | Ea | 1 | | |

| | | | | | |
|--|--------------------------------|-----|---|--|--|
| | Injector nozzle | Ea | 6 | | |
| | Fan belt | Ea | 2 | | |
| | AC belt | Ea | 1 | | |
| | Power steering belt | Ea | 1 | | |
| | AC belt adjuster bearing(6304) | Ea | 1 | | |
| | Valve oil seal | Set | 1 | | |
| | Heater plug | Ea | 6 | | |
| | Sealant tube | Ea | 1 | | |
| | Sub Total | | | | |
| | VAT | | | | |
| | Grade Total | | | | |

47. WORK SCOPE FOR THE ENGINE OVERHAUL OF TAFE TRACTOR

| S/ NO | DESCRIPTION | Unit Price | Total Price |
|----------|---|------------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | |
| 2 | ENGINE HEAD | | |
| | Tappet cover mounting stud to be repair | | |
| | Engine head to be checked for cracks | | |
| | Engine head to be phased | | |
| | Valve seats to be refitted with valve | | |
| | Valve guides to be refitted | | |
| 3 | ENGINE BLOCK | | |
| | Engine block to be checked | | |
| | Re sleeve to be done with sleeve | | |
| | Check the line boring | | |
| | Engine block to be phased | | |
| | Engine head bolt fixing thread to be repaired | | |
| | Water jacket to be refitted | | |
| 4 | CRANK SHAFT | | |
| | Big end journal re-cutting | | |
| | Main journal re-cutting | | |
| | Crank end collar to be repaired (front & rear) | | |
| 5 | CAM SHAFT | | |
| | Cam end collar to be repaired | | |
| | Cam shaft to be re-cut | | |
| | Cam shaft bush to be refitted | | |
| 6 | CONNECTING ROD | | |
| | Connecting rod to be checked | | |
| | Gudgeon pin with bush to be refitted | | |
| 7 | INJECTOR PUMP | | |
| | Injector pump with injectors servicing or repair with | | |
| 8 | FINAL ASSEMBLING OF ENGINE | | |
| | Assembling and test running of the engine | | |
| 9 | Pressure plate mounting fly wheel bolt to be check and | | |
| 10 | SPARES | | |
| | 1 Piston with pin | Set 1 | |
| | 2 Piston rings | Set 1 | |
| | 3 Big end bearing | Set 1 | |
| | 4 Main bearing | Set 1 | |
| | 5 Inlet valve | Ea 3 | |
| | 6 Exhaust valve | Ea 3 | |
| | 7 Crank shaft thrust plate | Set 1 | |
| | 8 Overhaul gasket kit complete | Ea 1 | |
| | 9 Valve Oil Seal Set | Ea 1 | |
| | 10 Spigot bearing (6302) | Ea 1 | |
| | 11 RPM meter cable housing oil seal | Ea 1 | |
| | 12 Oil pump | Ea 1 | |
| | 13 Water pump | Ea 1 | |
| | 14 Crank oil seal (Front & rear) | Ea 2 | |
| | 16 Temperature sensor | Ea 1 | |

| | | | | | | |
|--------------------|----|---------------------|----|---|--|--|
| | 17 | Oil filter | Ea | 1 | | |
| | 18 | Oil pressure switch | Ea | 1 | | |
| | 19 | Injector nozzle | Ea | 3 | | |
| | 20 | Feed pump | Ea | 1 | | |
| | 21 | Fan belt | Ea | 1 | | |
| | 22 | Cooling fan | Ea | 1 | | |
| | 23 | Sealant tube | Ea | 2 | | |
| Sub Total | | | | | | |
| Vat | | | | | | |
| Grand Total | | | | | | |

48. WORK SCOPE FOR THE ENGINE OVERHAUL OF – JHON DEER TRACTOR

| S/NO | DESCRIPTION | | | Unit Price | Total Price |
|------|---|-----|---|------------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | | | |
| 2 | ENGINE HEAD | | | | |
| | Engine head to be checked for cracks | | | | |
| | Engine head to be phased | | | | |
| | Valve seats to be refitted with valve | | | | |
| | Valve guides to be refitted | | | | |
| 3 | ENGINE BLOCK | | | | |
| | Engine block to be checked | | | | |
| | Re sleeve to be done with sleeve | | | | |
| | Check the line boring | | | | |
| | Engine block to be phased | | | | |
| | Engine head bolt fixing thread to be repaired | | | | |
| | Water jacket to be refitted | | | | |
| 4 | CRANK SHAFT | | | | |
| | Big end journal re-cutting | | | | |
| | Main journal re-cutting | | | | |
| | Crank end collar to be repaired (front & rear) | | | | |
| 5 | CAM SHAFT | | | | |
| | Cam end collar to be repaired | | | | |
| | Cam shaft to be re- | | | | |
| | Cam shaft bush to be refitted | | | | |
| 6 | CONNECTING ROD | | | | |
| | Connecting rod to be checked | | | | |
| | Gudgeon pin with bush to be refitted with bush | | | | |
| 7 | INJECTOR PUMP | | | | |
| | Injector pump servicing or repair with necessary parts | | | | |
| 8 | FINAL ASSEMBLING OF ENGINE | | | | |
| | Assembling and test running of the engine | | | | |
| 9 | SPARES | | | | |
| | Piston with pin | Set | 1 | | |
| | Piston rings | Set | 1 | | |
| | Big end bearing | Set | 1 | | |
| | Main bearing | Set | 1 | | |
| | Inlet valve | Set | 1 | | |
| | Exhaust valve | Set | 1 | | |
| | Crank shaft thrust plate | Set | 1 | | |
| | Overhaul gasket kit complete | Ea | 1 | | |
| | Spigot bearing | Ea | 1 | | |
| | RPM meter sensor | Ea | 1 | | |
| | Oil pump | Ea | 1 | | |
| | Water pump | Ea | 1 | | |
| | Crank oil seal (Front & rear) | Ea | 2 | | |
| | Temperature sensor | Ea | 1 | | |
| | Oil filter | Ea | 1 | | |
| | Oil pressure switch | Ea | 1 | | |
| | Injector nozzle | Ea | 3 | | |
| | Feed pump | Ea | 1 | | |

| | | | | | |
|--|--------------------|-----|---|--|--|
| | Fan belt | Ea | 1 | | |
| | Valve oil seal | Set | 1 | | |
| | Cooling fan | Ea | 1 | | |
| | Sealant tube | Ea | 1 | | |
| | Sub Total | | | | |
| | VAT | | | | |
| | Grade Total | | | | |

49. WORK SCOPE FOR THE ENGINE OVERHAUL OF – MAHINDRA TRACTOR

| S/NO | DESCRIPTION | Unit Price | Total Price |
|------|---|------------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | |
| 2 | ENGINE HEAD | | |
| | Engine head to be checked for cracks | | |
| | Engine head to be phased | | |
| | Valve seats to be refitted with valve | | |
| | Valve guides to be refitted | | |
| 3 | ENGINE BLOCK | | |
| | Engine block to be checked | | |
| | Re sleeve to be done with sleeve | | |
| | Check the line boring | | |
| | Engine block to be phased | | |
| | Engine head bolt fixing thread to be repaired | | |
| | Water jacket to be refitted | | |
| 4 | CRANK SHAFT | | |
| | Big end journal re-cutting | | |
| | Main journal re-cutting | | |
| | Crank end collar to be repaired (front & rear) | | |
| 5 | CAM SHAFT | | |
| | Cam end collar to be repaired | | |
| | Cam shaft to be re-cut | | |
| | Cam shaft bush to be refitted | | |
| 6 | CONNECTING ROD | | |
| | Connecting rod to be checked | | |
| | Gudgeon pin with bush to be refitted | | |
| 7 | INJECTOR PUMP | | |
| | Injector pump with injectors servicing or repair with necessary spares | | |
| 8 | FINAL ASSEMBLING OF ENGINE | | |
| | Assembling and test running of the engine | | |
| 9 | SPARES | | |
| | 1 Piston with pin | Set 1 | |
| | 2 Piston rings | Set 1 | |
| | 3 Big end bearing | Set 1 | |
| | 4 Main bearing | Set 1 | |
| | 5 Inlet valve | Ea 3 | |
| | 6 Exhaust valve | Ea 3 | |
| | 7 Crank shaft thrust plate | Set 1 | |
| | 8 Overhaul gasket kit complete | Ea 1 | |
| | 9 Valve Oil Seal Set | Ea 1 | |
| | 10 Spigot bearing (6302) | Ea 1 | |
| | 11 RPM meter cable housing oil seal | Ea 1 | |
| | 12 Oil pump | Ea 1 | |
| | 13 Water pump | Ea 1 | |
| | 14 Crank oil seal (Front & rear) | Ea 2 | |
| | 16 Temperature sensor | Ea 1 | |
| | 17 Oil filter | Ea 1 | |
| | 18 Oil pressure switch | Ea 1 | |

| | | | | | | |
|--------------------|----|-----------------|----|---|--|--|
| | 19 | Injector nozzle | Ea | 3 | | |
| | 20 | Feed pump | Ea | 1 | | |
| | 21 | Fan belt | Ea | 1 | | |
| | 22 | Cooling Fan | Ea | 1 | | |
| | 23 | Sealant tube | Ea | 1 | | |
| Sub Total | | | | | | |
| VAT | | | | | | |
| Grand Total | | | | | | |

50. WORK SCOPE FOR THE ENGINE OVERHAUL OF - MF 240 TRACTOR

| S/ NO | DESCRIPTION | Unit Price | Total Price |
|----------|---|------------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | |
| 2 | ENGINE HEAD | | |
| | Tappet cover mounting stud to be repair | | |
| | Engine head to be checked for cracks | | |
| | Engine head to be phased | | |
| | Valve seats to be refitted with valve | | |
| | Valve guides to be refitted | | |
| 3 | ENGINE BLOCK | | |
| | Engine block to be checked | | |
| | Re sleeve to be done with sleeve | | |
| | Check the line boring | | |
| | Engine block to be phased | | |
| | Engine head bolt fixing thread to be repaired | | |
| | Water jacket to be refitted | | |
| 4 | CRANK SHAFT | | |
| | Big end journal re-cutting | | |
| | Main journal re-cutting | | |
| | Crank end collar to be repaired (front & rear) | | |
| 5 | CAM SHAFT | | |
| | Cam end collar to be repaired | | |
| | Cam shaft to be re-cut | | |
| | Cam shaft bush to be refitted | | |
| 6 | CONNECTING ROD | | |
| | Connecting rod to be checked | | |
| | Gudgeon pin with bush to be refitted | | |
| 7 | INJECTOR PUMP | | |
| | Injector pump with injectors servicing or repair with | | |
| 8 | FINAL ASSEMBLING OF ENGINE | | |
| | Assembling and test running of the engine | | |
| 9 | Pressure plate mounting fly wheel bolt to be check and | | |
| 10 | SPARES | | |
| | 1 Piston with pin | Set 1 | |
| | 2 Piston rings | Set 1 | |
| | 3 Big end bearing | Set 1 | |
| | 4 Main bearing | Set 1 | |
| | 5 Inlet valve | Ea 3 | |
| | 6 Exhaust valve | Ea 3 | |
| | 7 Crank shaft thrust plate | Set 1 | |
| | 8 Overhaul gasket kit complete | Ea 1 | |
| | 9 Valve Oil Seal Set | Ea 1 | |
| | 10 Spigot bearing (6302) | Ea 1 | |
| | 11 RPM meter cable housing oil seal | Ea 1 | |
| | 12 Oil pump | Ea 1 | |
| | 13 Water pump | Ea 1 | |
| | 14 Crank oil seal (Front & rear) | Ea 2 | |

| | | | | | | |
|--------------------|----|-------------------------|----|---|--|--|
| | 16 | Temperature sensor | Ea | 1 | | |
| | 17 | Oil filter | Ea | 1 | | |
| | 18 | Oil pressure switch | Ea | 1 | | |
| | 19 | Injector nozzle | Ea | 3 | | |
| | 20 | Feed pump | Ea | 1 | | |
| | 21 | Fan belt | Ea | 1 | | |
| | 22 | Rpm meter cable housing | Ea | 1 | | |
| | 23 | Cooling fan | Ea | 1 | | |
| | 24 | Sealant tube | Ea | 1 | | |
| Sub Total | | | | | | |
| Vat | | | | | | |
| Grand Total | | | | | | |

51. WORK SCOPE FOR THE ENGINE OVERHAUL OF – TATA 207 DI NON TURBO

| S/NO | DESCRIPTION | Unit Price | Total Price |
|-------------|--|-------------------|--------------------|
| 1 | DISASSEMBLING OF ENGINE | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction/ | | |
| 2 | ENGINE HEAD | | |
| | Engine head to be checked for cracks | | |
| | Engine head to be phased | | |
| | Valve seats to be refitted with valve | | |
| | Valve guides to be refitted | | |
| | Water jacket to be refitted | | |
| 3 | ENGINE BLOCK | | |
| | Engine block to be checked for cracks | | |
| | Re sleeve to be done with sleeve | | |
| | Check the line boring | | |
| | Engine block to be phased | | |
| | Water jacket to be refitted | | |
| 4 | CRANK SHAFT | | |
| | Big end journal re-cutting | | |
| | Main journal re-cutting | | |
| | Crank end collar to be repaired (front & rear) | | |
| 5 | CAM SHAFT | | |
| | Air compressor journal wear ness to be checked & re-cut | | |
| | Cam shaft to be re-cut | | |
| | Cam end collar to be repaired | | |
| | Cam shaft bush to be refitted with bush | | |
| 6 | CONNECTING ROD | | |
| | Connecting rod to be checked | | |
| | Gudgeon pin with bush to be refitted | | |
| 7 | INJECTOR PUMP | | |
| | Injector pump with injectors servicing or repair with | | |
| 8 | FINAL ASSEMBLING OF ENGINE | | |
| | Assembling and test running of the engine | | |
| 9 | AIR COMPRESSOR | | |
| | Air compressor cylinder re-boring work to be done | | |
| | Gudgeon pin with bush to be refitted with bush | | |
| 10 | SPARES | | |
| | Piston with pin | Set 1 | |
| | Piston rings | Set 1 | |
| | Big end bearing | Set 1 | |
| | Main bearing | Set 1 | |
| | Inlet valve | Ea 4 | |
| | Exhaust valve | Ea 4 | |
| | Crank shaft thrust plate | Set 1 | |
| | Air compressor con rod bearing | Set 1 | |
| | Air compressor piston with rings | Set 1 | |
| | Air compressor valve | Set 1 | |
| | Air compressor R/Kit | Set 1 | |
| | Overhaul gasket kit complete | Ea 1 | |
| | Spigot bearing | Ea 1 | |

| | | | | | |
|--|--------------------------------------|-----|---|--|--|
| | Water pump | Ea | 1 | | |
| | Oil pump | Ea | 1 | | |
| | Crank oil seal (Front & Rear) | Ea | 2 | | |
| | Oil filter | Ea | 1 | | |
| | Temperature sensor | Ea | 1 | | |
| | Oil pressure switch | Ea | 1 | | |
| | Heater plug | Ea | 4 | | |
| | Injector nozzle | Ea | 4 | | |
| | Fan belt | Ea | 1 | | |
| | Alternator belt | Ea | 2 | | |
| | Feed pump | Ea | 1 | | |
| | Push rod bucket | Set | 1 | | |
| | Valve oil seal | Set | 1 | | |
| | Cooling fan | Ea | 1 | | |
| | Thrust washer cam timing wheel | Ea | 1 | | |
| | Plug expansion (cam hole) | Ea | 1 | | |
| | Spacer for vibration damper | Ea | 1 | | |
| | Engine head water by pass metal line | Ea | 1 | | |
| | Sealant tube | Ea | 1 | | |
| | Sub Total | | | | |
| | VAT | | | | |
| | Grade Total | | | | |

52. **WORK SCOPE FOR THE ENGINE OVERHAUL OF - TOYOTA 5L NON TURBO**

| S/NO | DESCRIPTION | | | Unit Price | Total Price |
|------|---|-----|---|------------|-------------|
| 1 | DISASSEMBLING OF ENGINE | | | | |
| | Disassembling and inspection of each and every components for damage/cracks/malfunction | | | | |
| 2 | ENGINE HEAD | | | | |
| | Engine head to be checked for cracks | | | | |
| | Engine head to be phased | | | | |
| | Valve seats to be refitted with valve | | | | |
| | Valve guides to be refitted | | | | |
| | Water jacket to be refitted | | | | |
| | Rocker bush to be refitted | | | | |
| 3 | ENGINE BLOCK | | | | |
| | Engine block to be checked for cracks | | | | |
| | Re sleeve to be done with sleeve | | | | |
| | Check the line boring | | | | |
| | Engine block to be phased | | | | |
| | Water jacket to be | | | | |
| 4 | CRANK SHAFT | | | | |
| | Big end journal re-cutting | | | | |
| | Main journal re-cutting | | | | |
| | Crank end collar to be repaired (front & rear) | | | | |
| 5 | CAM SHAFT | | | | |
| | Cam shaft to be re-cut | | | | |
| | Cam end collar to be repaired | | | | |
| | Cam shaft bush to be refitted | | | | |
| 6 | CONNECTING ROD | | | | |
| | Connecting rod to be checked | | | | |
| | Gudgeon pin with bush to be refitted with bush | | | | |
| 7 | FINAL ASSEMBLING OF ENGINE | | | | |
| | Assembling and test running of the engine | | | | |
| 8 | INJECTOR PUMP | | | | |
| | Injector pump with injectors servicing or repair with necessary parts | | | | |
| 9 | SPARES | | | | |
| | Piston with pin | Set | 1 | | |
| | Piston rings | Set | 1 | | |
| | Big end bearing | Set | 1 | | |
| | Main bearing | Set | 1 | | |
| | Inlet valve | Ea | 4 | | |
| | Exhaust valve | Ea | 4 | | |
| | Crank shaft thrust plate | Set | 1 | | |
| | Cam shaft bearing | Set | 1 | | |
| | Overhaul gasket kit complete | Ea | 1 | | |
| | Spigot bearing | Ea | 1 | | |
| | Timing belt | Ea | 1 | | |
| | Timing belt adjuster | Ea | 1 | | |

| | | | | | |
|--|--------------------------------|-----|---|--|--|
| | Timing belt idler wheel | Ea | 1 | | |
| | Water pump | Ea | 1 | | |
| | Oil pump | Ea | 1 | | |
| | Crank oil seal (front & rear) | Ea | 2 | | |
| | Oil filter | Ea | 1 | | |
| | Temperature sensor | Ea | 1 | | |
| | Oil pressure switch | Ea | 1 | | |
| | Heater plug | Ea | 4 | | |
| | Injector nozzle | Ea | 4 | | |
| | Fan belt | Ea | 1 | | |
| | Viscos unit with Fan | Ea | 1 | | |
| | Valve oil seal | Set | 1 | | |
| | Cam oil seal | Ea | 1 | | |
| | Crank timing wheel | Ea | 1 | | |
| | Sealant tube | Ea | 2 | | |
| | AC belt | Ea | 1 | | |
| | Power steering belt | Ea | 1 | | |
| | Injector overflow metal line | Ea | 1 | | |
| | Heater plug connecting plate | Ea | 1 | | |
| | Sub Total | | | | |
| | VAT | | | | |
| | Grade Total | | | | |

TERMS AND CONDITIONS

The undermentioned terms and conditions required to specified

- a. The engine is available at MTR&OW SLAF Kat and repair agent is required to check the engine physically prior to submitting the quotation.
- b. If additional repairs or replacement of spares are observed by the supplier, it is to be clearly included in the quotation.
- c. Removed unserviceable spares during the repair are to be handed over to SLAF at the acceptance of engine after repairs.
- d. Facilities are to be provided for the SLAF technicians to visit the repair agent during the process of the repair.
- e. Any additional supplementary estimate will not be entertained for any defects found during the repair and warranty to be on total FOC basis.
- f. The complete overhaul repair of engine will be accepted after a performance check carried out by SLAF.
- g. **Minimum 50,000 Km for Engine and one (01) Year warranty** period to be awarded by the supplier for the necessary repairs and replacement. **Brand name of the replacement items, country of origin, validity period, credit facility and repair duration should be specified.**
- h. All offered suppliers will be evaluated subjected to a **facility audit** by a team of SLAF officers.
- j. After completion of the repairs, test running to be carried out at repair agency and **test report** is to be provided to SLAF as per the following format. (Minimum of 24 hrs of test running idling speed 12 Hrs High RPM 12 Hrs) **Further, supplier is to be facilitated necessary component / spares for the test running. (SLAF not provided Starter Motor, Alternator, etc....).**
- k. **While assembling the engine, all the nut and bolts which are unavailable must be replaced with new nut and bolts**

| | | | | | | | | | |
|---------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|------------|
| Oil pressure: | | | | | | | | | |
| Test Running Duration: | | | | | | | | | |
| Engine Temperature: | | | | | | | | | |
| Water Pressure: | | | | | | | | | |
| Engine Compression | | | | | | | | | |
| Engine Cylinder | No 1 | No 2 | No 3 | No 4 | No 5 | No 6 | STD | Max | Min |
| Pressure (bar/psi) - Dry | | | | | | | | | |
| Pressure (bar/psi) - Wet | | | | | | | | | |

1. Supplier to be submitted of the specifications sheet to SLAF on collection of the item after completion of the overhaul and rework repair. The format is as follows.

| S/No | Components | STD Size (mm) | Existing Size (before repair- mm) | Present Size (after repair- mm) |
|-------------|----------------------------|----------------------|--|--|
| 01 | Engine Head | | | |
| 02 | Engine Block | | | |
| 03 | Crank Shaft | | | |
| 04 | Cam Shaft | | | |
| 05 | Piston | | | |
| 06 | Piston Sleeve/ Bore | | | |
| 07 | Air Compressor Bore | | | |
| 08 | Air Compressor Piston | | | |
| 09 | Air compressor Crank Shaft | | | |
| 10 | Main Bearing | | | |
| 11 | Began Bearing | | | |
| 12 | Cam Bearing | | | |

SECTION VII – ACTIVITY SCHEDULE

| S/No | Epas No | Description | D of Qty | Qty | Period of Validity of Prices 01 st January 2024 To 31 st December 2024. | | |
|------|---------------------|---|----------|------|---|-------------------|-------------------------------|
| | | | | | Unit Price (Rs.) | VAT (Rs) (15%) | Unit Price with VAT(Rs) |
| 1 | J0(SLAF2722006665) | Engine Overhaul Of - Mitsubishi 4D56 Turbo | Ea | 1.00 | | | |
| 2 | J0(SLAF2722011009) | Engine Overhaul of - Bolero Jeep/Single Cab Turbo | Ea | 1.00 | | | |
| 3 | J0(SLAF2732010046) | Engine Overhaul of - L/A/L 709D Turbo | Ea | 1.00 | | | |
| 4 | J0(SLAF2732034032) | Engine Overhaul of - TATA 1313 697D Turbo | Ea | 1.00 | | | |
| 5 | J13(SLAF2701006002) | Engine Overhaul Of - Toyota 2C Turbo | Ea | 1.00 | | | |
| 6 | J13(SLAF2701007069) | Engine Overhaul of - Toyota 3L Turbo | Ea | 1.00 | | | |
| 7 | J13(SLAF2702001131) | Engine Overhaul of - Tata 1210 692 D | Ea | 1.00 | | | |
| 8 | J13(SLAF2705004321) | Engine Overhaul of - L/A/L Ecomet | Ea | 1.00 | | | |
| 9 | J13(SLAF2705015014) | Engine Overhaul of - British Leyland EO402 | Ea | 1.00 | | | |
| 10 | J13(SLAF2705020036) | Engine Overhaul Of - L/A/L 401,402 Non Turbo | Ea | 1.00 | | | |
| 11 | J13(SLAF2706022102) | Engine Overhaul of - Tata Cummins | Ea | 1.00 | | | |
| 12 | J13(SLAF2709004022) | Engine Overhaul of - L/A/L W06D Non Turbo Hino | Ea | 1.00 | | | |
| 13 | J13(SLAF2709004025) | Engine Overhaul of - L/A/L 709D Non Turbo | Ea | 1.00 | | | |
| 14 | J13(SLAF2709004375) | Engine Overhaul of - L/A/L W06D Turbo Hino | Ea | 1.00 | | | |
| 15 | J13(SLAF2712002123) | Engine Overhaul Of - Toyota Coaster 1HZ | Ea | 1.00 | | | |
| 16 | J13(SLAF2712004139) | Engine Overhaul Of - Mazda WL | Ea | 1.00 | | | |
| 17 | J13(SLAF2712005237) | Engine Overhaul of - Mitsubishi 4D55 Pajero | Ea | 1.00 | | | |
| 18 | J13(SLAF2712005417) | Engine Overhaul of - Mitsubishi 4D56 Non Turbo | Ea | 1.00 | | | |

| | | | | | | | |
|----|---------------------|---|----|------|--|--|--|
| 19 | J13(SLAF2712007017) | Engine Overhaul of - Toyota 2L Non Turbo | Ea | 1.00 | | | |
| 20 | J13(SLAF2722003098) | Engine Overhaul Of - Nissan TD 27 | Ea | 1.00 | | | |
| 21 | J13(SLAF2722005002) | Engine Overhaul Of - Maruti Suzuki SX4 M16AN/DOHC | Ea | 1.00 | | | |
| 22 | J13(SLAF2722009003) | Engine Overhaul Of - Toyota 5L Turbo | Ea | 1.00 | | | |
| 23 | J13(SLAF2722018594) | Engine Overhaul of - Land Rover Defender Non TDI | Ea | 1.00 | | | |
| 24 | J13(SLAF2722020048) | Engine Overhaul Of - Land Rover Defender 300 TDI | Ea | 1.00 | | | |
| 25 | J13(SLAF2728001076) | Engine Overhaul of - Bolero Jeep/Single cab Non Turbo | Ea | 1.00 | | | |
| 26 | J13(SLAF2728003321) | Engine Overhaul of - TATA 207 DI Turbo | Ea | 1.00 | | | |
| 27 | J13(SLAF2728004112) | Engine Overhaul of - JMC Cab/Truck | Ea | 1.00 | | | |
| 28 | J13(SLAF2732011594) | Engine Overhaul Of - L/A/L 1618 Turbo | Ea | 1.00 | | | |
| 29 | J13(SLAF2732011740) | Engine Overhaul of - L/A/L 1614 Non Turbo | Ea | 1.00 | | | |
| 30 | J13(SLAF2732013048) | Engine Overhaul of - L/A/L 1614 Turbo | Ea | 1.00 | | | |
| 31 | J13(SLAF2732013193) | Engine Overhaul of - L/A/L 909 Turbo | Ea | 1.00 | | | |
| 32 | J13(SLAF2732013194) | Engine Overhaul of - L/A/L 909 Non Turbo | Ea | 1.00 | | | |
| 33 | J13(SLAF2732020038) | Engine Overhaul Of - Mitsubishi 4D 33 | Ea | 1.00 | | | |
| 34 | J13(SLAF2732020039) | Engine Overhaul Of - Mitsubishi 4D 31 | Ea | 1.00 | | | |
| 35 | J13(SLAF2732020325) | Engine Overhaul of - Mitsubishi 4D 32 | Ea | 1.00 | | | |
| 36 | J13(SLAF2732032041) | Engine Overhaul of - TATA 1613 697D Turbo | Ea | 1.00 | | | |
| 37 | J13(SLAF2732033002) | Engine Overhaul of - Tata 407 | Ea | 1.00 | | | |
| 38 | J13(SLAF2732049055) | Engine Overhaul of - Isuzu 4JA1 engine | Ea | 1.00 | | | |
| 39 | J13(SLAF2732055098) | Engine Overhaul Of - Tata Dimo Supper ACE | Ea | 1.00 | | | |
| 40 | J13(SLAF2733008087) | Engine Overhaul Of - | Ea | 1.00 | | | |

| | | | | | | | |
|----|---------------------|--|----|------|--|--|--|
| | | Nissan Urvan ZD 30 | | | | | |
| 41 | J13(SLAF2733009148) | Engine Overhaul Of - Toyota 2L Turbo | Ea | 1.00 | | | |
| 42 | J13(SLAF2733009659) | Engine Overhaul of - Toyota 2C Non Turbo | Ea | 1.00 | | | |
| 43 | J13(SLAF2733011001) | Engine Overhaul of - Toyota 3L Non Turbo | Ea | 1.00 | | | |
| 44 | J13(SLAF2733013128) | Engine Overhaul Of - Benz MB 140D | Ea | 1.00 | | | |
| 45 | J13(SLAF2733013129) | Engine Overhaul Of - Benz MB 100D | Ea | 1.00 | | | |
| 46 | J13(SLAF2733015049) | Engine Overhaul of - Nissan TD 42 Civilion | Ea | 1.00 | | | |
| 47 | J13(SLAF2734003457) | Engine Overhaul of - Tafe tractor | Ea | 1.00 | | | |
| 48 | J13(SLAF2734004171) | Engine Overhaul of - Jhon Deer Tractor | Ea | 1.00 | | | |
| 49 | J13(SLAF2734008246) | Engine Overhaul of - Mahindra Tractor | Ea | 1.00 | | | |
| 50 | J13(SLAF2815054017) | Engine Overhaul Of - MF 240 Tractor | Ea | 1.00 | | | |
| 51 | J13(SLAF2815054022) | Engine Overhaul of - Tata 207 DI Non Turbo | Ea | 1.00 | | | |
| 52 | J13SLAF2733009721 | Engine Overhaul of - Toyota 5L Non Turbo | Ea | 1.00 | | | |

- * The price schedule shall be authenticated by the BIDDER.
- * The BIDDER shall ensure that all the details provided herein are 100% accurate.
- * It is mandatory that the unit price of the article or service be inclusive of NBT Tax, if applicable. Based on that, VAT shall be indicated separately in the price schedule.
- * Please indicate the details listed below with regard to the above items

Special Note

- **Pre-bid meeting will be held on 10 October 2023 at 1015 Hrs.**

IMPORTANT

| | | |
|---|----------|---------------------------|
| ADDRESS | | |
| TELEPHONE NUMBER | | |
| FAX NUMBER | | |
| VAT REGISTRATION LETTER (applicable for VAT payees) | YES / NO | VAT REGISTRATION NUMBER : |
| VAT EXCEPTION LETTER ATTACHED (applicable for non VAT payees) | YES / NO | |
| VALIDITY OF BID till 31 December 2024 | YES / NO | |
| VALIDITY OF BID BOND till 28 July 2024 | YES / NO | |
| BID BOND NO | | |
| DELIVERY PERIOD | | |
| DISCOUNT OFFERED | YES / NO | |

Contact details of the BIDDER

Name:

Address:.....

.....

Tel:...../...../.....

Fax: Email.

Date

Signature of BIDDER

Affix Company Rubber Seal

SECTION VIII – SECURITY FORMS

Bid Security (Bank Guarantee)

Whereas, *[name of Bidder]* (hereinafter called “the Bidder”) has submitted his Bid dated *[date]* for providing Services for *[name of Contract]* (hereinafter called “the Bid”).

Know all people by these presents that We *[name of Agency]* having our registered office at *[address]* (hereinafter called “the Bank”) are bound unto name of Employer] (hereinafter called “the Employer”) in the sum of *[The Bidder should insert the amount of the Guarantee in words and figures]* for which payment well and truly to be made to the said Employer, the Bank binds itself, its successors, and assigns by these presents.

Sealed with the Common Seal of the said Bank this *[day]* day of *[month, [year]]*.

The conditions of this obligation are:

- (1) If, after Bid opening, the Bidder withdraws his Bid during the period of Bid validity specified in the Form of Bid; or
- (2) If the Bidder having been notified of the acceptance of his Bid by the Employer during the period of Bid validity:
 - (a) fails or refuses to execute the Form of Agreement in accordance with the Instructions to Bidders, if required; or
 - (b) fails or refuses to furnish the Performance Security, in accordance with the Instruction to Bidders; or
 - (c) does not accept the correction of the Bid Price pursuant to Clause 22,

we undertake to pay to the Employer up to the above amount upon receipt of his first written demand, without the Employer’s having to substantiate his demand, provided that in his demand the Employer will note that the amount claimed by him is due to him owing to the occurrence of one or any of the three conditions, specifying the occurred condition or conditions.

This Guarantee will remain in force up to and including the date *[Usually 28 days after the end of the validity period of the Bid.]* days after the deadline for submission of bids as such deadline is stated in the Instructions to Bidders or as it may be extended by the Employer, notice of which extension(s) to the Bank is hereby waived. Any demand in respect of this Guarantee should reach the Bank not later than the above date.

Date_____ Signature of the Bank _____

Witness_____ Seal _____

Performance Bank Guarantee (Unconditional)

To: *[name and address of Employer]*

Whereas *[name and address of Service Provider]* (hereinafter called “the Service Provider”) has undertaken, in pursuance of Contract No. *[number]* dated *[date]* to execute *[name of Contract and brief description of Services]* (hereinafter called “the Contract”);

And whereas it has been stipulated by you in the said Contract that the Service Provider shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligations in accordance with the Contract;

And whereas we have agreed to give the Service Provider such a Bank Guarantee;

Now therefore we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Service Provider, up to a total of *[amount of Guarantee]* *[amount in words]*, such sum being payable, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of *[amount of Guarantee]* as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Service Provider before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or of the Services to be performed there under or of any of the Contract documents which may be made between you and the Service Provider shall in any way release us from any liability under this Guarantee, and we hereby waive notice of any such change, addition, or modification.

This Guarantee shall be valid until a date 28 days from the date of issue of the Certificate of Completion.

Signature and seal of the Guarantor _____

Name of Bank _____

Address Date

INVITATION FOR BIDS



PROCUREMENT OF GOODS AND SERVICES FOR THE SRI LANKA AIR FORCE

1. The Chairman, Department Procurement Committee of the Sri Lanka Air Force (SLAF) invites sealed Bids from eligible and qualified bidders to purchase under mentioned Goods and Services to the Sri Lanka Air Force.

| S/ No. | Procurement Identification Number | Description | Date and Time for Pre-Bid Meeting | Last Date of Issuing of Bidding Documents | Date and time of Bid Closing / Opening | Non Refundable Fee (Rs.) |
|--------|-----------------------------------|---|-----------------------------------|---|--|--------------------------|
| 01. | AHQ/23/PUB/MED/1001 | Annual contract to obtain Insecticides for SLAF Hospitals and Medical Centers for the year 2024 | 03 October 2023 at 0930 Hrs | 16 October 2023 | 17 October 2023 at 1030 Hrs | 3,500.00 |
| 02. | AHQ/23/PUB/MED/1003 | Annual contract to purchase surgical items required for Orthopedic Surgeries-year 2024 | 03 October 2023 at 1015 Hrs | 16 October 2023 | 17 October 2023 at 1030 Hrs | 2,000.00 |
| 03. | AHQ/23/PUB/MED/1004 | Annual contract to perform CT and Coronary Angiogram for SLAF Hospitals and Medical centers for the year 2024 | 03 October 2023 at 1100 Hrs | 16 October 2023 | 17 October 2023 at 1030 Hrs | 2,000.00 |
| 04. | AHQ/23/PUB/MED/1005 | Annual contract to obtain medical items for SLAF Hospitals and Medical Centers for the year 2024 | 03 October 2023 at 1145 Hrs | 16 October 2023 | 17 October 2023 at 1030 Hrs | 3,500.00 |
| 05. | AHQ/23/PUB/MED/1002 | Annual contract for hiring of medical instruments required to perform orthopedic surgeries at SLAF Hospital Colombo for year 2024 | 04 October 2023 at 0930 Hrs | 17 October 2023 | 18 October 2023 at 1030 Hrs | 6,000.00 |
| 06. | AHQ/23/PUB/MED/1007 | Annual contract for purchase laboratory items through SLAF Hospitals and Medical Centers for year 2024 | 04 October 2023 at 1015 Hrs | 17 October 2023 | 18 October 2023 at 1030 Hrs | 3,500.00 |
| 07. | AHQ/23/PUB/BRK/1001 | Annual contract to purchase of floor carpets (Loop Pile/ Cut Pile) & Accessories for year 2024 | 04 October 2023 at 1100 Hrs | 17 October 2023 | 18 October 2023 at 1030 Hrs | 6,000.00 |
| 08. | AHQ/23/PUB/BRK/1002 | Annual contract to purchase of curtain material and accessories for year 2024 | 04 October 2023 at 1145 Hrs | 17 October 2023 | 18 October 2023 at 1030 Hrs | 3,500.00 |
| 09. | AHQ/23/PUB/MED/1006 | Annual contract to obtain Spectacle Lenses for year 2024 | 05 October 2023 at 0930 Hrs | 18 October 2023 | 19 October 2023 at 1030 Hrs | 2,000.00 |
| 10. | AHQ/23/PUB/MIS/1002 | Annual contract to obtain Janitorial services for SLAF Hospital Colombo and SLAF Hospital Diyatalawa for year 2024 | 05 October 2023 at 1015 Hrs | 18 October 2023 | 19 October 2023 at 1030 Hrs | 6,000.00 |
| 11. | AHQ/23/PUB/MIS/1003 | Annual Contract for the Washing and Dry Cleaning of Uniform and Barrack Linen at SLAF Academy/Bases and Stations for year 2024 | 05 October 2023 at 1100 Hrs | 18 October 2023 | 19 October 2023 at 1030 Hrs | 2,000.00 |
| 12. | AHQ/23/PUB/MIS/1004 | Annual Contract to obtain Fumigation of Wooden Boxes and Containers used to Export Cargo for the year 2024 | 05 October 2023 at 1145 Hrs | 18 October 2023 | 19 October 2023 at 1030 Hrs | 2,000.00 |
| 13. | AHQ/23/PUB/MED/1008 | Annual Contract to obtain Medical investigations facility to SLAF from private sector hospitals for year 2024 | 06 October 2023 at 0930 Hrs | 19 October 2023 | 20 October 2023 at 1030 Hrs | 6,000.00 |
| 14. | AHQ/23/PUB/D/1002 | Annual contract to purchase of Floor Polish and Floor Wax for year 2024 | 06 October 2023 at 0930 Hrs | 19 October 2023 | 20 October 2023 at 1030 Hrs | 6,000.00 |
| 15. | AHQ/23/PUB/E/1002 | Annual contract to purchase of gases and empty gas cylinders for year 2024 (Industrial Medical and Baloon Gases) | 06 October 2023 at 1100 Hrs | 19 October 2023 | 20 October 2023 at 1030 Hrs | 6,000.00 |
| 16. | AHQ/23/PUB/MIS/1005 | Annual contract to purchase of Horse Food for year 2024 | 06 October 2023 at 1145 Hrs | 19 October 2023 | 20 October 2023 at 1030 Hrs | 2,000.00 |
| 17. | AHQ/23/PUB/MIS/1005 | Annual contract to purchase of Dog Food for year 2024 | 09 October 2023 at 0930 Hrs | 20 October 2023 | 23 October 2023 at 1030 Hrs | 6,000.00 |
| 18. | AHQ/23/PUB/E/1001 | Annual contract for the supply of Vehicles Batteries to the SLAF for year 2024 | 09 October 2023 at 1015 Hrs | 20 October 2023 | 23 October 2023 at 1030 Hrs | 6,000.00 |
| 19. | AHQ/23/PUB/D/1001 | Annual contract to purchase of Oils and Lubricants for year 2024 | 09 October 2023 at 1100 Hrs | 20 October 2023 | 23 October 2023 at 1030 Hrs | 6,000.00 |
| 20. | AHQ/23/PUB/ST/1001 | Annual contract for the supply of printing materials to the SLAF Printing Section for year 2024 | 09 October 2023 at 1145 Hrs | 20 October 2023 | 23 October 2023 at 1030 Hrs | 2,000.00 |
| 21. | AHQ/23/PUB/MT/1001 | Annual contract for the supply of Vehicles Tyres, Tubes and Tyre Collars to the SLAF for year 2024 | 10 October 2023 at 1100 Hrs | 23 October 2023 | 24 October 2023 at 1030 Hrs | 6,000.00 |
| 22. | AHQ/23/PUB/MT/1005 | Annual contract for engine overhaul of SLAF MT Vehicles at MTR&COW SLAF Base Katunayake for year 2024 | 10 October 2023 at 1015 Hrs | 23 October 2023 | 24 October 2023 at 1030 Hrs | 3,500.00 |
| 23. | AHQ/23/PUB/B&CE/1006 | Annual contract for the supply of General Hardware Items (Chemical and Water Proofed) to the SLAF for year 2024 | 10 October 2023 at 1100 Hrs | 23 October 2023 | 24 October 2023 at 1030 Hrs | 2,000.00 |
| 24. | AHQ/23/PUB/ST/1002 | Annual contract for the supply of Stationery items to the SLAF for year 2024 | 10 October 2023 at 1145 Hrs | 23 October 2023 | 24 October 2023 at 1030 Hrs | 2,000.00 |
| 25. | AHQ/23/PUB/MT/1002 | Annual rate approval for purchase of MT spares for Nissan Sunny (B-17) car at SLAF year 2024 | 11 October 2023 at 0930 Hrs | 24 October 2023 | 25 October 2023 at 1030 Hrs | 2,000.00 |
| 26. | AHQ/23/PUB/MT/1003 | Annual rate approval for purchase of MT spares for Nissan Sylphy Car at SLAF year 2024 | 11 October 2023 at 1015 Hrs | 24 October 2023 | 25 October 2023 at 1030 Hrs | 2,000.00 |
| 27. | AHQ/23/PUB/B&CE/1009 | Annual contract for the supply of General Hardware items (Timber) to the SLAF for year 2024 | 11 October 2023 at 1100 Hrs | 24 October 2023 | 25 October 2023 at 1030 Hrs | 3,500.00 |
| 28. | AHQ/23/PUB/B&CE/1003 | Annual contract for the supply of General Hardware items (Paints) to the SLAF for year 2024 | 12 October 2023 at 0930 Hrs | 25 October 2023 | 26 October 2023 at 1030 Hrs | 3,500.00 |
| 29. | AHQ/23/PUB/B&CE/1005 | Annual contract for the supply of General Hardware items (Road Tar) to the Sri Lanka Air Force for year 2024 | 12 October 2023 at 1015 Hrs | 25 October 2023 | 26 October 2023 at 1030 Hrs | 3,500.00 |
| 30. | AHQ/23/PUB/B&CE/1012 | Annual contract for the supply of General Hardware items (Rib Steel and Mild steel rod) to the SLAF for year 2024 | 12 October 2023 at 1100 Hrs | 25 October 2023 | 26 October 2023 at 1030 Hrs | 3,500.00 |
| 31. | AHQ/23/PUB/D/1003 | Annual contract to purchase of Cleaning materials for year 2024 | 12 October 2023 at 1145 Hrs | 25 October 2023 | 26 October 2023 at 1030 Hrs | 6,000.00 |
| 32. | AHQ/23/PUB/MT/1004 | Annual rate approval for purchase of MT Spares for Maruti Suzuki Swift cars at SLAF year 2024 | 13 October 2023 at 0930 Hrs | 26 October 2023 | 27 October 2023 at 1030 Hrs | 3,500.00 |
| 33. | AHQ/23/PUB/B&CE/1002 | Annual contract for the supply of Building material for SLAF Academy / Bases and Stations for the Year 2024 | 13 October 2023 at 1015 Hrs | 26 October 2023 | 27 October 2023 at 1030 Hrs | 3,500.00 |
| 34. | AHQ/23/PUB/B&CE/1010 | Annual contract for the supply of General Hardware Items ISI Sheet, Aluminium Sheet and Colour Bonded Sheet to the SLAF for year 2024 | 13 October 2023 at 1100 Hrs | 26 October 2023 | 27 October 2023 at 1030 Hrs | 3,500.00 |
| 35. | AHQ/23/PUB/B&CE/1011 | Annual contract for the supply of General Hardware items (Wire Nail, Screw Nails, Hooks and J Hooks, POP Rivets) to the SLAF for year 2024 | 13 October 2023 at 1145 Hrs | 26 October 2023 | 27 October 2023 at 1030 Hrs | 2,000.00 |
| 36. | AHQ/23/PUB/B&CE/1001 | Annual Contract for the Supply of General Hardware Items (Angle / Flat, C Channel, Box Iron and Mild Steel Plate) to the SLAF for year 2024 | 16 October 2023 at 0930 Hrs | 27 October 2023 | 30 October 2023 at 1030 Hrs | 3,500.00 |
| 37. | AHQ/23/PUB/B&CE/1004 | Annual contract for the supply of General Hardware Items (PVC Pipes, PVC fittings and Plumbing Items) to the SLAF for year 2024 | 16 October 2023 at 1015 Hrs | 27 October 2023 | 30 October 2023 at 1030 Hrs | 3,500.00 |
| 38. | AHQ/23/PUB/B&CE/1007 | Annual contract for the supply of General Hardware Items (Sanitary Fittings) to the SLAF for year 2024 | 16 October 2023 at 1100 Hrs | 27 October 2023 | 30 October 2023 at 1030 Hrs | 3,500.00 |
| 39. | AHQ/23/PUB/B&CE/1008 | Annual contract for the supply of General Hardware Items (Miscellaneous) to the SLAF for year 2024 | 16 October 2023 at 1145 Hrs | 27 October 2023 | 30 October 2023 at 1030 Hrs | 3,500.00 |

2. Bids will be invited under **National Competitive Bidding (NCB)** method.
3. The complete set of Bidding Documents in English language could be inspected by the interested bidders from the www.airforce.lk, the website of the Sri Lanka Air Force or could inspect free of charge from **21 September 2023** until the last date of issuing of Bidding Documents (**Between 0900 Hrs to 1400 Hrs**) by forwarding written requests to the address mentioned at Para 8 below. The Bidding Documents can be purchased from the Tender Section of the **Procurement Division, between 1000 Hrs to 1400 Hrs on every working day with effect from 21 September 2023** after paying the Non-refundable fee indicated against each procurement mentioned at para 1 above, to the Shroff at **Sri Lanka Air Force Station Colombo, No. 140, Sir Chittampalam A Gardiner Mawatha, Colombo 02**. The last date of issuing of the Bidding Documents is tabulated in para 01 above. The original receipt obtained from the shroff at Sri Lanka Air Force for the payment of Non-refundable fee is to be attached to the bid. A bid without the receipt for the payment of the Non-refundable fee will be considered as an invalid bid.
4. The sealed bids in duplicate, shall be addressed to **"The Chairman, Departmental Procurement Committee, Sri Lanka Air Force"** and may be either dispatched by registered post or deposited in the Tender Box at the **Main Guard Room at Sri Lanka Air Force Station Colombo, No. 140, Sir Chittampalam A Gardiner Mawatha, Colombo 02**, well before the closing time. Electronic bidding will not be permitted. Late bids will not be accepted. Bids will be opened at the Tender Opening Room **Sri Lanka Air Force Station Colombo, No. 140, Sir Chittampalam A Gardiner Mawatha, Colombo 02**, soon after closing the bids.
5. Bidders or their authorized representatives will be permitted to be present at the opening of the bids, upon presentation of their National Identity Card and letters of authorization from their employers. No bidder or his representative will be permitted to attend the bid opening after the bid closing time.
6. Bidders who have purchased Bidding Documents may participate for the pre-bid meetings scheduled to be held on specific dates tabulated in the schedule at para 01, at the **Tender Opening Room, Sri Lanka Air Force Station Colombo, No. 140, Sir Chittampalam A Gardiner Mawatha, Colombo 02**.
7. The prospective bidders shall be aware that they shall include all their expenses with all taxes including VAT and other levies in the bids submitted.
8. Interested eligible bidders may obtain further information from the **Chief Procurement Officer (Tel. 011-2347694) or Staff Officer Procurement (Tenders) (Tel. 011-2441044 Extension 23569 Fax: 011-2441553)** or by forwarding written requests to the address mentioned below;

Procurement Division,
Sri Lanka Air Force,
No.140,
Sir Chittampalam A Gardiner Mawatha,
Colombo 02.

COMMANDER OF THE AIR FORCE