

**OFFICE OF THE EXECUTIVE ENGINEER  
CENTRAL SINDH MECHANICAL DIVISION JAMSHORO  
TELEPHONE NO. 022-3877128**

No. SKP/G-66/ 2079 of 2016, Jamshoro, dated: 14 / 12 / 2016


**CORRIGENDUM**

Reference:- This office Notice for inviting tender / For Rate Contract No. SKP/G-66/2009 dated:- 24.11.2016.

The date of issue and received of bidding documents against rate contract mentioned above is hereby extend as under.

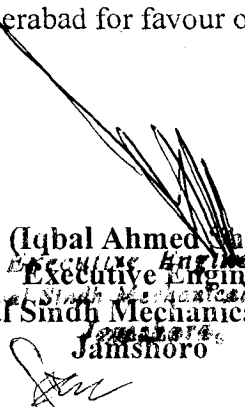
1. First date of issue bidding documents 16.12.2016 (office hours)
2. Last date of issue bidding documents 28.12.2016 (office hours)
3. The tender documents will be received back 29.12.2016 upto 12.Noon and opened by the procurement committee on same date at 1.00 P.M .

**The other terms and condition will remain the same**

  
**(Iqbal Ahmed Shaikh)**  
**Executive Engineer**  
**Central Sindh Mechanical Division**  
**Jamshoro**

**Copy forwarded with complements to:-**

- 1/- The Director Information (Advertisement) Block-96, Sindh Secretariat, Karachi along with seven (07) copies for publications / insertion in leading Newspaper of the province in Sindhi, Urdu and English language for wide publicity.
- 2/- The Secretary Irrigation Department Government of Sindh Karachi for favour of kind information.
- 3/- The Secretary Information & Technology, Government of Sindh Barak No.6 at Karachi for favour of kind information and placing it on the website of Government of Sindh ([www.sindh.gov.com](http://www.sindh.gov.com)).
- 4/- The Director General Sindh Public Procurement Regularity Authority, Barak No. 8 Secretariat No.4-A, Court Road Karachi for favour of kind information and placing it on his website ([www.pprasindh.gov.pk](http://www.pprasindh.gov.pk))
- 5/- The Chief Engineer Irrigation Left Bank Region Sukkur Barrage Sukkur for favour of kind of information.
- 6/- The Superintending Engineer Mechanical Circle in Sindh Hyderabad for favour of kind information.
- 7/- The Executive Engineer, Tube Division, Sukkur / Stores Division, Hyderabad for information.
- 8/- Notice Board.

  
**(Iqbal Ahmed Shaikh)**  
**Executive Engineer**  
**Central Sindh Mechanical Division**  
**Jamshoro**

2542  
16-12-16

**OFFICE OF THE EXECUTIVE ENGINEER, CENTRAL SINDH MECHANICAL  
DIVISION JAMSHORO.**

**Phone No: 022-3877128, 022-3877108.**

No. SKP/G-66/ 2509

Jamshoro, dated. 24- 11 -2016.

**NOTICE FOR INVITING TENDER / FOR RATE CONTRACT.**

Sealed quotation as per SPPRA Rules 2010 (Amended 2013) (Contract item rate) are hereby invited from the interested persons / suppliers / Contractors / companies on Schedule-B for procurement of the following Machinery's parts and Job works carried out from local market on as and when required basis for the year 2016-17 and validity of rates upto 30-06-2017 on F.O.R basis on till approval of new rates.

**DETAIL OF MACHINERY IS GIVEN BELOW.**

SR. NO:	NAME OF MACHINE / WORK	CALL DEPOSIT	SCHEDULE-B FEE	TIME ALLOWED
01.	SAMSUNG HYDRAULIC EXCAVATOR	15,000	500	As per work order
02.	VOLVO HYDRAULIC EXCAVATOR	15,000	500	-do-
03.	DOZZERS (D-8K AND STALLO WOLLA, SHANTUI)	5,000	500	-do-
04.	GENERAL ENGINEERING MATERIAL OF GFATES & GEARING & WORKSHOP SECTION / REPAIR SHOP	15,000	500	-do-
05.	TRANSPORT SECTION (HEAVY & LIGHT VEHICLES & CRANE)	15,000	500	-do-
06.	HIRING OF MACHINERY EXCAVATOR, DOZER & DUMPER ETC.	15,000	500	-do-

01. Bidding documents can be had from office of the Executive Engineer, Central Sindh Mechanical Division, Jamshoro during office hours on payment of Rs: 500/- for each item as documentation fee (non-refundable) upto 14-12-2016.
02. The bidding documents will be received back upto 16-12-2016 @ 10:00 PM in the office of the Central Sindh Mechanical Division, Jamshoro and will be opened by the procurement to be constituted by the Chief Engineer, Irrigation Sukkur Barrage Left Bank Region, Sukkur in the office of the Executive Engineer, Central Sindh Mechanical Division Jamshoro on the same day viz: 16-12-2016 at 03:00 PM in presence of Contractors or their authorized representatives. In case of any Officer of Committee is out of Headquarter, the quotation will be opened on next working day.
03. **Eligibility Conditions for intending participants are as under:-**
  - (i) Registration with Pakistan Engineering Council in the relevant field of specialization of work and to the extent of Tender amount of each work.
  - (ii) Bio Data of Engineers and Technical staff working with the Firm.
  - (iii) Documentary evidence work of executed / works in progress and certificate of satisfactory completion of work by the employers.
  - (iv) List of works in progress indicating cost of each work and copy of letter of award of work.
  - (v) List of machinery and equipment available with documentary evidence of its ownership certificates of Bank showing credit worthiness alongwith Bank statement.
  - (vi) No conditional or Telegraph tender / quotation will be entertained.
  - (vii) No Tender / quotation without bid security will be entertained.

Cont: Page # 2

*(Signature)*  
Executive Engineer,  
Central Sindh Mechanical Division,  
Jamshoro

- (viii) The procuring agency may reject all or any bid subject to the relevant provision of PPRA Rules.
- (ix) Registration with income Tax Department (NTN Certificate) and copy of N.I.C.
04. Undertaking on Affidavit to the effect that Firm is not involved in any litigation or abandoned any work in the Department.
05. The bidders should submit bid security as showing against each work in shape of call deposit / pay order prepared from the scheduled Bank in favour of the undersigned.
06. Affidavit to the effect that the Firm / Contractor have not been black listed previously by an executing agency.
07. All documents / particulars / information furnished is true and correct.
08. In case of firm, list of partners / partnership deed, giving full particulars of Directors / Proprietors or other may be connected alongwith Power of Attorney. In case of being sole proprietors for which undertaking on affidavit be furnished.
09. In case of works costing below Rs: 2.500 (Million), the conditions at S.No: 03 will be applicable.
10. The payment will be made to Contractor subject to availability of funds with this Division.

— sd —  
**(IQBAL AHMED SHAIKH)**  
**EXECUTIVE ENGINEER**  
**CENTRAL SINDH MECHANICAL DIVISION**  
**JAMSHORO.**

**Copy forwarded with compliments to :-**

01. The Secretary, information & Technology, Government of Sindh Secretariat No. 6 @ Karachi, for favour of information and placing it on the website of Government of Sindh, [www.sindh.gov.pk](http://www.sindh.gov.pk).
02. The Chief Engineer, Irrigation Sukkur Barrage Left Bank Region Sukkur for favour of kind information with the requested to constitute the procurement committee as required under PPRA Rules (2010) at an early date.
03. The Director of Information (Advertisement) Block -96 Sindh Secretariat Karachi, alongwith Seven (07) copies for publication in (three) leading Newspapers i-e, Urdu, Sindhi and English Languages fir wide publicity.
04. The Superintending Engineer, Mechanical Circle in Sindh Hyderabad for favour of information and necessary action.
05. The Director General Sindh Public Procurement Regulatory Authority, Services, General Administration & Coordination Department, Barrack No: 08, Sindh Secretariat No. 4-A, Court Road Karachi for favour of information and placing it on his website [www.pprasindh.gov.pk](http://www.pprasindh.gov.pk).
06. Copy forwarded to the Mechanical Engineer, Upper Sindh Mechanical Division Sukkur / Stores Division, Hyderabad for information.
07. Copy forwarded to the Assistant Executive Engineer, Workshop for information. He is directed to provide the list of items required for repair of machinery, so that the same may be included in quotation list at an earliest.
08. Copy to Notice board for information and wide publicity.

**(IQBAL AHMED SHAIKH)**  
**EXECUTIVE ENGINEER**  
**CENTRAL SINDH MECHANICAL DIVISION**  
**JAMSHORO.**



13	Construction of CC Block at Ward No. 05 Islamkot	Rs. 10,00,000	20,000/-	1,000/-	06 Months
14	Repair / Construction of Open surface drains type A,B & C including RCC Slabs at Lohar Paro Islamkot Town	Rs. 20,00,000	40,000/-	2,000/-	06 Months
15	Construction of CC Block at Lohar Paro Islamkot Town	Rs. 20,00,000	40,000/-	2,000/-	06 Months
16	Construction of CC Block road at Suther Paro Islamkot	Rs. 10,00,000	20,000/-	1,000/-	06 Months
17	Construction of CC Block road at Thakar Paro Islamkot	Rs. 10,00,000	20,000/-	1,000/-	06 Months
18	Construction of CC Block road at Kunbhar Paro Islamkot	Rs. 10,00,000	20,000/-	1,000/-	06 Months
19	Construction of CC Block road at Lohana Paro Islamkot	Rs. 10,00,000	20,000/-	1,000/-	06 Months
20	Construction of CC Block road at Khaskhell Paro Islamkot	Rs. 10,00,000	20,000/-	1,000/-	06 Months
21	Construction of Open surface drains type A,B & C including RCC Slabs at Meethwar Paro Islamkot Town	Rs. 20,00,000	40,000/-	2,000/-	06 Months
22	Construction of CC Block at Kohli Paro Islamkot Town	Rs. 20,00,000	40,000/-	2,000/-	06 Months
23	Construction of Open surface drains type A,B & C & CC Block at Various Muhallas of Islamkot Town	Rs. 30,00,000	60,000/-	2,000/-	06 Months
24	Construction of Waiting Shed at Lohana & Kohli Graveyard Islamkot Town	Rs. 11,14,000	22,280/-	1,000/-	06 Months
25	Installation of vehicle Shed for New Town Committee Office Islamkot Town	Rs. 10,00,000	20,000/-	1,000/-	06 Months
26	Construction of Pump House & Sump Well @ Public School Pumping Station Mithi to Islamkot Pipeline	Rs. 17,34,000	34,680/-	1,500/-	06 Months

**Terms & Conditions:-**

- Tender documents in blank will be issued from 20-12-2016 in Town Committee Islamkot office. They can be downloaded from website of SPPRA. The tenders file will be received back in the office of undersigned on 20-12-2016 at 12:00 noon and will be opened on the same day at 02:00 PM in the presence of Procurement Committee and Bidders, Contractors or their authorized representatives.
- The Tenders will be issued on payment of non-refundable tender fee as shown against each work.
- The Contractor / firm / Applicant should be registered with Pakistan Engineering Council in relevant category except for the works costing below Rs. 15 Million.
- The Contractor / firm / Applicant should be registered with income tax department and SRB and has to produce certificates.
- The Contractor / firm / Applicant should submit their undertaking that they are not Blacklisted and produce partnership deed in case of joint venture.
- The Contractor / firm / Applicant should produce the details of schemes done in relevant category and details of staff / machinery working with them.
- Conditional and Telegraphic tender will not be accepted and the Procurement Agency has the right to reject all or any of the bids in accordance with SPPRA Rules.
- In case of holiday or any unforeseen circumstances on opening date the bids shall be submitted and opened on the next working day.
- Next issuance date of unresponded works will be 26-12-2016 and will be received back on 26-12-2016 and will be opened on same day at 02:00 PM with same Terms Conditions.

**CHAIRMAN**  
TOWN COMMITTEE  
ISLAMKOT

-محمد علی کے خلاف بیڑیں-  
INF-KRY: 4547/16

Say No to Corruption

**OFFICE OF THE EXECUTIVE ENGINEER, CENTRAL SINDH MECHANICAL DIVISION JAMSHORO**  
Phone No: 022-3877128, 022-3877108

NO: SKP/Q-66/2009 Jamshoro, Dated: 24/12/2016

**NOTICE FOR INVITING TENDER / FOR RATE CONTRACT**

Sealed quotations as per SPPRA Rules 2010 (Amended 2013) (Contract item rate) are hereby invited from the interested persons / suppliers / contractors / companies on Schedule-B for procurement of the following Machineries parts and Job works carried out from local market on as and when required basis for the year 2016-17 and validity of rates upto 30-06-2017 on F.O.R. basis till approval of new rates.

**DETAIL OF MACHINERIES IS GIVEN BELOW:**

Sr. No.	Name of Machine / Work	Call Deposit	Schedule-B Fee	Time Allowed
01.	SAMSUNG HYDRAULIC EXCAVATOR	15,000	500	As Per Work Order
02.	VOLVO HYDRAULIC EXCAVATOR	15,000	500	—do—
03.	DOZERS (D-8K AND STALLO WOLLA, SHANTUI)	5,000	500	—do—
04.	GENERAL ENGINEERING MATERIAL OF GFATES & GEARING & WORKSHOP SECTION / REPAIR SHOP	15,000	500	—do—
05.	TRANSPORT SECTION (HEAVY & LIGHT VEHICLES & CRANE)	15,000	500	—do—
06.	HIRING OF MACHINERY EXCAVATOR, DOZER & DUMPER ETC.	15,000	500	—do—

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- Eligibility Conditions for intending participants are as under:-**
  - Registration with Pakistan Engineering Council in the relevant field of specialization of work and to the extent of Tender amount of each work.
  - Bio Data of Engineers and Technical staff working with the firm.
  - Documentary evidence of work executed / works in progress and certificate of satisfactory completion of work by the employers.
  - List of works in progress indicating cost of each work and copy of letter of award of work.
  - List of machinery and equipment available with documentary evidence of its ownership certificates of Bank showing credit worthiness along with bank statement.
  - No conditional or Telegraphic tender / quotation will be entertained.
  - No tender / quotation without bid security will be entertained.
  - The procuring agency may reject all or any bid subject to the relevant provision of SPPRA Rules.
  - Registration with income tax department (NTN Certificate) and copy of N.I.C.
- Undertaking on Affidavit to the effect that Firm is not involved in any litigation or ~~any work in the Department~~.
- The bidders should submit bid security as showing against each work in shape of call deposit / pay order prepared from the scheduled Bank in favour of the undersigned.
- Affidavit to the effect that the Firm / Contractor have not been blacklisted previously by any executing agency.
- All documents / particulars / information furnished is true and correct.
- In case of firm, list of partners / partnership deed, giving full particulars of Directors / Proprietors or other may be connected along with Power of Attorney. In case of being sole proprietors for which undertaking on affidavit be furnished.
- In case of works costing below Rs. 2.500 (Million), the conditions at S.No. 03 will be applicable.
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Say No to Corruption -محمد علی کے خلاف بیڑیں-

**EXECUTIVE ENGINEER**  
CENTRAL SINDH MECHANICAL DIVISION  
JAMSHORO

INF-KRY: No. 4536/16

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IRRIGATION DEPARTMENT GOVERNMENT  
OF SINDH

CHIEF ENGINEER IRRIGATION SUKKUR  
BARRAGE LEFT BANK REGION SUKKUR

SUPERINTENDING ENGINEER MECHANICAL  
CIRCLE IN SINDH HYDERABAD

NAME OF WORK :- SUPPLY OF MATERIAL AND REPAIR OF GOVERNMENT  
VEHICALS, MICHENINERY & REGULATOR GATES ETC.

*EXCUTIVE ENGINEER CENTRAL SINDH MECHANICAL DIVISION*  
*JAMSHORO*

*DDO CODE NO JO-0049*

FORMAT OF WORK PLAN FOR THE YEAR 2016-17  
O & M OF HYDRAULIC EXCAVATORS, GENERAL ENGINEERING MATERIAL  
GATES AND GEARING, HIRING OF HEAVY MACHINERY, DOZER & TRANSPORT  
SECTION UNDER THE HEAD SC-21127 IRRIGATION 0422-IRRIGATION 042203-  
CANAL IRRIGATION CENTRAL SINDH MECHANICAL DIVISION JAMSHORO  
DDO CODE JO-0049

ABSTRACT

S.No.	Head	Details
01.	Samsung Hydraulic Excavators	Detail list attached
02.	Volvo Hydraulic Excavators	Detail list attached
03.	General Engineering Material of Gates & Gearing & Workshop Section/Repair Equipments	Detail list attached
04.	Hiring of Machinery Excavators, Dozers & Dumper etc:	Detail list attached
05.	Dozers (D-8K and Stalwovola, Shantui)	Detail list attached
06.	Transport Section (Heavy & light Vehicles & Crane)	Detail list attached

*Executive Engineer*  
*Central Sindh Mechanical Division*  
*Jamshoro*

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INSTRUCTIONS  
TO BIDDERS  
&  
BIDDING DATA

Notes on the Instructions to Bidders

This section of the bidding documents should provide the information necessary for bidders to prepare responsive bids, in accordance with the requirements of the Procuring Agency. It should also give information on bid submission, opening and evaluation, and on the award of contract.

Matters governing the performance of the Contract or payments under the Contract, or matters affecting the risks, rights, and obligations of the parties under the Contract are not normally included in this Section, but rather in the appropriate sections of the *Conditions of Contract* and/or *Contract Data*.

## Invitation for Bids

Date: \_\_\_\_\_

Bid Reference No: Supply of material for repair of Government Vehicles,  
Machinery & Regulator Gates etc.

1. The Procuring Agency, Executive Engineer **Central Sindh mechanical Division** invites sealed bids from interested firms/persons/contractors/suppliers for procurement of goods and services.
2. A complete set of bidding documents may be purchased by an interested eligible bidder on the submission of a written application to the office given below and upon payment of a nonrefundable fee of Rs.500/- upto **28.12.2016**. Bidders may acquire the bidding documents from the office of the Executive Engineer **Central Sindh mechanical Barrage Colony Jamshoro**.
3. All bids must be accompanied by a bid security in the shown against each machinery, transport and regulator gates of bid price in the form of Call Deposit and must be delivered to Office of the Executive Engineer **Central Sindh mech. Division** on or before **12** hours, on **29.12.2016**. Bids will be opened at **13** hours on the same day in the presence of bidders or their representatives who choose to attend, at the same address.
4. You may obtain further information and acquire the bidding documents from the office of the Executive Engineer **Central Sindh Mech. Division**, Telephone No. **022-3877128**

X  
Central Sindh Mechanical Division  
Jamshoro

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## A. GENERAL

### IB.1 Scope of Bid & Source of Funds

#### 1.1 Scope of Bid

The Procuring Agency as defined in the Bidding Data (hereinafter called —the Executive Engineer **Central Sindh Mech. Division, T-20** wishes to receive Bids for the Works summarized in the Bidding Data (hereinafter referred to as — "Supply of material for repair of Government Vehicles, Machinery & Regulator Gates etc." ).

Bidders must quote for the complete scope of work. Any Bid covering partial scope of work will be rejected as non-responsive.

#### 1.2 Source of Funds

The Procuring Agency has arranged funds from Government of Sindh, which may be indicated accordingly in bidding data towards the cost of the "Supply of material for repair of Government Vehicles, Machinery & Regulator Gates etc for the financial year 2016-17.

### IB.2 Eligible Bidders

#### 2.1 Bidding is open to all firms and persons meeting the following requirements:

- a) duly licensed by the Pakistan Engineering Council (PEC) in the appropriate category for value of works.
- b) duly pre-qualified with the Procuring Agency. (*Not required*).

In the event that prequalification of potential bidders has been undertaken, only bids from prequalified bidders will be considered for award of Contract.

### IB.3 Cost of Bidding

#### 3.1 The bidder shall bear all costs associated with the preparation and submission of its bid and the Procuring Agency will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process (SPP Rules 24 & 25).

## B. BIDDING DOCUMENTS

### IB.4 Contents of Bidding Documents

4.1 In addition to Invitation for Bids, the Bidding Documents are those stated below, and should be read in conjunction with any Addendum issued in accordance with Sub-Clause IB.6.1.

1. Instructions to Bidders & Bidding Data
2. Form of Bid, Qualification Information & Schedules to Bid Schedules to Bid comprise the following:
  - (i) Schedule A: Schedule of Prices/ Bill of Quantities (BoQ).
  - (ii) Schedule B: Specific Works Data
  - (iii) Schedule C: Works to be Performed by Subcontractors
  - (iv) Schedule D: Proposed Programme of Works
  - (v) Schedule E: Method of Performing Works
  - (vi) Schedule F: Integrity Pact (works costing Rs 10 million and above)
3. Conditions of Contract & Contract Data
4. Standard Forms:
  - (i) Form of Bid Security,
  - (ii) Form of Performance Security;
  - (iii) Form of Contract Agreement;
  - (iv) Form of Bank Guarantee for Advance Payment.
5. Specifications
6. Drawings, if any

4.2 The bidders are expected to examine carefully the contents of all the above documents. Failure to comply with the requirements of bid submission will be at the bidder's own risk. Pursuant to Clause IB.26, bids which are not substantially responsive to the requirements of the Bid document will be rejected.

### IB.5 Clarification of Bidding Documents

5.1 A prospective bidder requiring any clarification(s) in respect of the Bidding Documents may notify the Engineer/Procuring Agency at the Engineer's/ Procuring Agency's address indicated in the Bidding Data.

5.2 An interested bidder, who has obtained bidding documents, may request for clarification of contents of bidding documents in writing and procuring agency shall respond to such queries in writing within three calendar days, provided they are received at least five calendar days prior to the date of opening of bid (SPP Rule 23-1).

## Bid Data Sheet

The following specific data for the goods to be procured shall complement, supplement, or amend the provisions in the Instructions to Bidders (ITB) Part One. Whenever there is a conflict, the provisions herein shall prevail over those in ITB.

*[Instructions for completing the Bid Data Sheet are provided, as needed, in the notes in italics mentioned for the relevant ITB Clauses.]*

Introduction	
ITB 1.1	Executive Engineer <u>Central Singh mechanical Division Jamshoro</u> .
ITB 1.1	Loan or credit or Project allocation number. Loan or credit or Project allocation amount. <i>[when applicable]</i>
ITB 1.1	Procurement of Goods & Services.
ITB 1.1	Supply of material for repair of Government Vehicles, Machinery & Regulator Gates etc.
ITB 4.1	Executive Engineer <u>Central Singh mechanical Division Jamshoro</u> .
ITB 6.1	<u>Buwaqe Colony Jamshoro</u> phone No. <u>022-3877129</u> .
ITB 8.1	English.

Bid Price and Currency	
ITB 11.2	The price quoted shall be <u>Delivered Duty Paid (D.D.P)</u>  <i>[Specify whether price of incidental services, must be quoted in addition to delivered duty paid (DDP) price.]</i>  <i>[The related provisions shall be reflected accordingly in SCC and Price Schedules.]</i>
ITB 11.5	The price shall be fixed.

Preparation and Submission of Bids	
ITB 13.3 (d)	Not applicable.
ITB 14.3 (b)	Spare parts required for ____ <i>[One]</i> of years of operation.
ITB 15.1	Amount of bid security.
ITB 16.1	Bid validity period. <i>[The period should be sufficient to permit completion of the evaluation, review of the recommended selection by the Procuring agency (if so required), the obtainment of approvals, and notification of award. Normally, the validity should be ninety (90) days. However the rates will remain effective/valid w.e. from 1.7.2016 to 30.6.2017 (the financial year 2016-17) or shorter for simple goods (e.g., materials). A realistic period should be specified in order to avoid the need for extension.]</i>
ITB 17.1	Number of copies. One
ITB 18.2 (a)	Address for bid submission. <i>Executive Engineer Central Sindh Mech. Div. Jamshoro Colony.</i>
ITB 18.2 (b)	IFB title and number.
ITB 19.1	Deadline for bid submission. 11-08-2016
ITB 22.1	03:00 PM, 12-08-2016 office of the Executive Engineer <i>Central Sindh mechanical Division Jamshoro.</i>

Bid Evaluation	
ITB 25.3	Will be received and opening.
ITB 25.4 (a)	Not applicable.
ITB 25.4 (b)	Not applicable.

Option (i)	adjustment expressed as a percentage.  or
Option (ii)	adjustment expressed in an amount in the currency of bid evaluation.  or
Option (iii)	adjustment expressed as a percentage  <i>[A rate of one-half (0.5) percent per week is a reasonable figure. The percentage of liquidated damages specified in SCC should be higher.]</i>
ITB 25.4 (c) (ii)	Not applicable.
ITB 25.4 (d)	As per list attached.
ITB 25.4 (e)	Not applicable.
ITB 25.4 (f)	Operating and maintenance costs. Not applicable.  Or  Not applicable.
ITB 25.4 (g)	Performance and productivity of equipment.  Not applicable.



ITB 25.4 (h)	Not applicable.
ITB 25.4 Alternative	Specify the evaluation factors. Lowest price basis.

Contract Award	
ITB 29.1	Not applicable.

## Section III. Special Conditions of Contract

### Notes on the Special Conditions of Contract

Similar to the Bid Data Sheet in Section II, the clauses in this Section are intended to assist the Procuring agency in providing contract-specific information in relation to corresponding clauses in the General Conditions of Contract.

The provisions of Section III complement the General Conditions of Contract included in Part one, Section II, specifying contractual requirements linked to the special circumstances of the Procuring agency, the Procuring agency's country, the sector, and the Goods purchased. In preparing Section III, the following aspects should be checked:

- (a) Information that complements provisions of Part one Section II must be incorporated.
- (b) Amendments and/or supplements to provisions of Part one Section II, as necessitated by the circumstances of the specific purchase, must also be incorporated.

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## Special Conditions of Contract

The following Special Conditions of Contract shall supplement the General Conditions of Contract. Whenever there is a conflict, the provisions herein shall prevail over those in the General Conditions of Contract. The corresponding clause number of the GCC is indicated in parentheses.

*[Instructions for completing the Special Conditions of Contract are provided, as needed, in the notes in italics mentioned for the relevant SCC. Where sample provisions are furnished, they are only illustrative of the provisions that the Procuring agency should draft specifically for each procurement.]*

### 1. Definitions (GCC Clause 1)

GCC 1.1 (g)---The Procuring agency is: Executive Engineer, *Central Sindh mechanical Division Jamshoro.*

GCC 1.1 (h) ---The Procuring agency's country is: Pakistan.

GCC 1.1 (i)---The Supplier is: -----

#### *Sample Provision*

GCC 1.1 (j)---The Project Site is: *[if applicable]*

### 2. Country of Origin (GCC Clause 3)

All countries and territories as indicated in Part Two Section VI of the bidding documents. "Eligibility for the Provisions of Goods, Works, and Services in Government-Financed Procurement".

### 3. Performance Security (GCC Clause 7)

GCC 7.1--- Not applicable.

GCC 7.4--- Not applicable.

## 4. Inspections and Tests (GCC Clause 8)

GCC 8.6— *Not applicable.*

## 5. Packing (GCC Clause 9) Not applicable.

*Sample provision*

GCC 9.3—The following SCC shall supplement GCC Clause 9.2:

## 6. Delivery and Documents (GCC Clause 10)

*Sample provision (DDP terms*

*(The contractor/supplier/ shall supply the items after issuance/receipt of supply order by the P/A).*

GCC 10.3—Upon shipment, the Supplier shall notify the Procuring agency the full details of the shipment, including Contract number, description of Goods, quantity and usual transport document. The Supplier shall mail the following documents to the Procuring agency:

- (i) copies of the Supplier's invoice showing Goods' description, quantity, unit price, and total amount;
- (ii) original and two copies of the usual transport document (for example, a negotiable bill of lading, a non-negotiable sea waybill, an inland waterway document, an air waybill, a railway consignment note, a road consignment note, or a multimodal transport document) which the buyer may require to take the goods;
- (iii) copies of the packing list identifying contents of each package;
- (iv) insurance certificate;
- (v) Manufacturer's or Supplier's warranty certificate;
- (vi) inspection certificate, issued by the nominated inspection agency, and the Supplier's factory inspection report; and
- (vii) certificate of origin.

## 7. Insurance (GCC Clause 11)

GCC 11.1— *Not applicable.*

8. Incidental Services (GCC Clause 13)

GCC 13.1 - Not applicable.

9. Spare Parts (GCC Clause 14)

GCC 14.1 - Not applicable.

10. Warranty (GCC Clause 15)

GCC 15.2 - Not applicable.

(a) Not applicable.

or

(b) Not applicable.

GCC 15.4 & 15.5 - The period for correction of defects in the warranty period is:

11. Payment (GCC Clause 16)

*Sample provision*

GCC 16.1 - The method and conditions of payment to be made to the Supplier under this Contract shall be as follows:

Payment for Goods supplied:

Payment shall be made in Pak. Rupees in the following manner:

- |                      |                 |
|----------------------|-----------------|
| (i) Advance Payment: | Not applicable. |
| (ii) On Shipment:    | Not applicable. |
| (iii) On Acceptance: | Not applicable. |
| (iv)                 | Not applicable. |
| (v)                  | Not applicable. |

12. Prices (GCC Clause 17)

*Sample provision*

GCC 17.1— Not applicable.

13. Liquidated Damages (GCC Clause 23)

GCC 23.1— Not applicable.

Maximum deduction:

Not applicable.

14. Resolution of Disputes (GCC Clause 28)

GCC 28.3— Not applicable.

15. Governing Language (GCC Clause 29)

GCC 29.1— Not applicable.

16. Applicable Law (GCC Clause 30)

GCC 30.1-The Contract shall be interpreted in accordance with the laws of Islamic Republic of Pakistan which includes the following legislation:

The Employment of Children (ECA) Act 1991

The Bonded Labour System (Abolition) Act of 1992

The Factories Act 1934

17. Notices (GCC Clause 31)

GCC 31.1—Procuring agency's address for notice purposes:

—Supplier's address for notice purposes:



## Section IV. Schedule of Requirements

### Notes for Preparing the Schedule of Requirements

The Schedule of Requirements shall be included in the bidding documents by the Procuring agency, and shall cover, at a minimum, a description of the goods and services to be supplied and the delivery schedule.

The objective of the Schedule of Requirements is to provide sufficient information to enable bidders to prepare their bids efficiently and accurately. In particular, the Price Schedule, for which a form is provided in Section VI, in addition, the Schedule of Requirements, together with the Price Schedule, should serve as a basis in the event of quantity variation at the time of award of contract pursuant to ITB Clause 29.

The date or period for delivery should be carefully specified, taking the date prescribed herein from which the Procuring agency's delivery obligations start (i.e., notice of award, contract signature, opening or confirmation of the letter of credit).

### Schedule of Requirements

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery required.

Number	Description	Quantity	Delivery schedule (shipment) in weeks/months from _____
--------	-------------	----------	--

Goods and services will be availed and charged as and when required within fiscal year.

<sup>1</sup> The Procuring agency must specify here the date from which the delivery schedule will start. That date should be either the date of contract award, or the date of contract signature, or the date of opening of letter of credit, or the date of confirmation of the Letter of Credit, as appropriate. The Bid Form should include only a cross-reference to this Schedule.

## Section V. Technical Specifications

### Notes for Preparing the Technical Specifications

A set of precise and clear specifications is a prerequisite for bidders to respond realistically and competitively to the requirements of the Procuring agency without qualifying their bids. The specifications must be drafted to permit the widest possible competition and, at the same time, present a clear statement of the required standards of workmanship, materials, and performance of the goods and services to be procured. Only if this is done will the objectives of economy, efficiency, and fairness in procurement be realized, responsiveness of bids be ensured, and the subsequent task of bid evaluation facilitated. The specifications should require that all goods and materials to be incorporated in the goods be new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials unless provided for otherwise in the contract.

Samples of specifications from previous similar procurements in the same country are useful in this respect. The use of metric units is encouraged. Depending on the complexity of the goods and the repetitiveness of the type of procurement, it may be advantageous to standardize the General Technical Specifications and incorporate them in a separate subsection. The General Technical Specifications should cover all classes of workmanship, materials, and equipment commonly involved in manufacturing similar goods, although not necessarily to be used in a particular procurement. Deletions or addenda should then adapt the General Technical Specifications to the particular procurement.

Care must be taken in drafting specifications to ensure that they are not restrictive. In the specification of standards for equipment, materials, and workmanship, recognized international standards should be used as much as possible. Where other particular standards are used, whether national standards of the Borrower's country or other standards, the specifications should state that equipment, materials, and workmanship that meet other authoritative standards, and which ensure at least a substantially equal quality than the standards mentioned, will also be acceptable. The following clause may be inserted in the Special Conditions of Contract or the Technical Specifications:

#### Sample Clause: Equivalency of Standards and Codes

Wherever reference is made in the Technical Specifications to specific standards and codes to be met by the goods and materials to be furnished or tested, the provisions of the latest current edition or revision of the relevant shall apply, unless otherwise expressly stated in the Contract. Where such standards and codes are national or relate to a particular country or region, other authoritative standards that ensure substantial equivalence to the standards and codes specified will be acceptable.

Reference to brand name and catalogue number should be avoided as far as possible; where unavoidable they should always be followed by the words "or at least equivalent."

Where appropriate, drawings, including site plans as required, may be furnished by the Procuring agency with the bidding documents. Similarly, the Supplier may be requested to provide drawings or samples either with its bid or for prior review by the Procuring agency during contract execution.

## Technical Specifications

*[Text of Technical Specifications to be inserted in the bidding documents by the Procuring agency, as applicable.]*

## Section VI. Sample Forms

### Notes on the Sample Forms

The Bidder shall complete and submit with its bid the Bid Form and Price Schedules pursuant to ITB Clause 9 and in accordance with the requirements included in the bidding documents.

When requested in the Bid Data Sheet, the Bidder should provide the Bid Security, either in the form included hereafter or in another form acceptable to the Procuring agency, pursuant to ITB Clause 15.3.

The Contract Form, when it is finalized at the time of contract award, should incorporate any corrections or modifications to the accepted bid resulting from price corrections pursuant to ITB Clause 16.3 and GCC Clause 17, acceptable deviations (e.g., payment schedule pursuant to ITB Clause 25.4 (c), spare parts pursuant to ITB Clause 25.4 (d), or quantity variations pursuant to ITB Clause 29. The Price Schedule and Schedule of Requirements deemed to form part of the contract should be modified accordingly.

The Performance Security and Bank Guarantee for Advance Payment forms should not be completed by the bidders at the time of their bid preparation. Only the successful Bidder will be required to provide performance security and bank guarantee for advance payment in accordance with one of the forms indicated herein or in another form acceptable to the Procuring agency and pursuant to GCC Clause 7.3 and SCC 11, respectively.

The Manufacturer's Authorization form should be completed by the Manufacturer, as appropriate, pursuant to ITB Clause 13.3 (a).

## Sample Forms

1. <i>BID FORM AND PRICE SCHEDULES</i> .....	23
2. <i>BID SECURITY FORM</i> .....	26
3. <i>CONTRACT FORM</i> .....	27
4. <i>PERFORMANCE SECURITY FORM</i> .....	28
5. <i>BANK GUARANTEE FOR ADVANCE PAYMENT</i> .....	29
6. <i>MANUFACTURER'S AUTHORIZATION FORM</i> .....	30

I. Bid Form and Price Schedules

Date: \_\_\_\_\_

IFB N<sup>o</sup>: \_\_\_\_\_

To: The Executive Engineer  
Central Sindh Mich:  
Division Jamshoro.

Gentlemen and/or Ladies:

Having examined the bidding documents including Addenda Nos. *[insert numbers]*, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to supply and deliver *[description of goods and services]* in conformity with the said bidding documents for the sum of *[total bid amount in words and figures]* or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Bid.

We undertake, if our Bid is accepted, to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements.

If our Bid is accepted, we will obtain the guarantee of a bank in a sum equivalent to \_\_\_\_\_ percent of the Contract Price for the due performance of the Contract, in the form prescribed by the Procuring agency.

We agree to abide by this Bid for a period of *[number]* days from the date fixed for Bid opening under Clause 22 of the Instructions to Bidders, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof and your notification of award, shall constitute a binding Contract between us.

Commissions or gratuities, if any, paid or to be paid by us to agents relating to this Bid, and to contract execution if we are awarded the contract, are listed below:

Name and address of agent	Amount and Currency	Purpose of Commission or gratuity
_____	_____	_____
_____	_____	_____
_____	_____	_____

(if none, state "none")

We understand that you are not bound to accept the lowest or any bid you may receive.



Part Two - Section VII. Eligibility for the Provision of Goods, Works  
and Services in Bank Financed Procurement

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_

[signature]

[in the capacity of]

Duly authorized to sign Bid for and on behalf of \_\_\_\_\_



Handwritten signature in dark ink, appearing to be 'A. J. ...' with a large flourish.

**LIST OF SPARE PARTS /JOB WORKS REQUIRED DURING THE YEAR 2016-2017**  
**SAMSUNG HYDRAULIC EXCAVATORS**

SNO	DESCRIPTION	UNIT	RATE	Deievery Schedule (shipment) in weeks/moths.
1	Cylinder Head	Each		As & when required during 2016-17
2	Gasket (APS).	Each		As & when required during 2016-17
3	Valve Intake.	Each		As & when required during 2016-17
4	Valve spring	Each		As & when required during 2016-17
5	Inlet Valve	Each		As & when required during 2016-17
6	Valve seal	Each		As & when required during 2016-17
7	Guide -Valve Stem.	Each		As & when required during 2016-17
8	Cylinder Head Gas Kit	Each		As & when required during 2016-17
9	Screw	Each		As & when required during 2016-17
10	Bolt	Each		As & when required during 2016-17
11	Crank shaft Bearing (APS)	Each		As & when required during 2016-17
12	Main Bearing (APS),	Each		As & when required during 2016-17
13	Gasket.	Each		As & when required during 2016-17
14	Seal front.	Each		As & when required during 2016-17
15	Pin	Each		As & when required during 2016-17
16	Seal Rear.	Each		As & when required during 2016-17
17	Gear	Each		As & when required during 2016-17
18	Cam Shaft Bushing	Each		As & when required during 2016-17
19	Gear Cam shaft.	Each		As & when required during 2016-17
20	Support cam shaft.	Each		As & when required during 2016-17
21	Push Rod.	Each		As & when required during 2016-17
22	Tube	Each		As & when required during 2016-17
23	Kit Piston APS.	Each		As & when required during 2016-17
24	Connecting Rod Bush.	Each		As & when required during 2016-17
25	Piston Pin	Each		As & when required during 2016-17
26	Big end Bearing.	Each		As & when required during 2016-17
27	Piston Ring Kit	Each		As & when required during 2016-17
28	Main Bearing (APS),	Each		As & when required during 2016-17
29	Connecting Rod	Each		As & when required during 2016-17
30	Gasket (Front gear cover).	Each		As & when required during 2016-17
31	Seal (Front Gear Cover).	Each		As & when required during 2016-17
32	Pin (front gear cover).	Each		As & when required during 2016-17
33	Bolt (Front gear cover).	Each		As & when required during 2016-17
34	Gear (Front ger gover).	Each		As & when required during 2016-17
	<b>FLY WHEEL HOUSING</b>			
35	Seal oil 3921265.	Each		As & when required during 2016-17
36	Seal oil 3912473.	Each		As & when required during 2016-17
37	Fly wheel ring.	Each		As & when required during 2016-17
	<b>TURBO CHARGER</b>			
38	Seal regulator.	Each		As & when required during 2016-17
39	Shaf.	Each		As & when required during 2016-17
40	Impeller.	Each		As & when required during 2016-17
41	Bearing 3525739.	Each		As & when required during 2016-17
42	Bearing 3503100.	Each		As & when required during 2016-17
43	Seal Aps.	Each		As & when required during 2016-17
44	Clamp	Each		As & when required during 2016-17
45	Kit-Repair	Each		As & when required during 2016-17
46	Hose Plain APS.	Each		As & when required during 2016-17
	<b>FAN DRIVE.</b>			
47	Bearing ball 3910739	Each		As & when required during 2016-17
48	Pully Alt (APS).	Each		As & when required during 2016-17
	<b>WATER PUMP.</b>			
49	Pump Water	Each		As & when required during 2016-17
50	Seal APS.	Each		As & when required during 2016-17

SNO	DESCRIPTION	UNIT	RATE	Deievery Schedule (shipment) in weeks/moths.
	<b>LUBRICANT OIL PUMP.</b>			
51	Pump Lube oil.	Each		As & when required during 2016-17
	<b>LUBRICANT FILTER.</b>			
52	Cartridge.	Each		As & when required during 2016-17
	<b>ENGINE OIL COOLER.</b>			
53	Core- Cooler.	Each		As & when required during 2016-17
54	Seal.	Each		As & when required during 2016-17
55	Gas kit.	Each		As & when required during 2016-17
	<b>INJECTOR.</b>			
56	Injector-Fuel.	Each		As & when required during 2016-17
57	Nozzle.	Each		As & when required during 2016-17
	<b>FUEL SYSTEM.</b>			
58	Filter - Fuel.	Each		As & when required during 2016-17
59	Pump F/Transer.	Each		As & when required during 2016-17
	<b>AIR CLEANER.</b>			
60	Element - Primary.	Each		As & when required during 2016-17
61	Eement - safty.	Each		As & when required during 2016-17
62	Hose A/C Cleaner.	Each		As & when required during 2016-17
	<b>COOLING SYSTEM.</b>			
63	Radiator.	Each		As & when required during 2016-17
64	Hose inlet.	Each		As & when required during 2016-17
65	Hose Outlet.	Each		As & when required during 2016-17
66	Water Seperator.	Each		As & when required during 2016-17
	<b>ALTERNATOR DRIVE.</b>			
67	Alternator .	Each		As & when required during 2016-17
68	Pully.	Each		As & when required during 2016-17
69	Belt-V.	Each		As & when required during 2016-17
70	Tensioner.	Each		As & when required during 2016-17
	<b>STARTER DRIVE.</b>			
71	Starter motor.	Each		As & when required during 2016-17
	<b>FUEL SYSTEM.</b>			
72	Fuel Injection.	Each		As & when required during 2016-17
73	Pump	Each		As & when required during 2016-17
74	Plunger (Bush).	Each		As & when required during 2016-17
75	Delivery Valve.	Each		As & when required during 2016-17
76	Main line.	Each		As & when required during 2016-17
77	Hose Assembly - 9473-05617.	Each		As & when required during 2016-17
78	Hose Assembly - 9453-05518	Each		As & when required during 2016-17
79	Hose Assembly - 9453-06216	Each		As & when required during 2016-17
80	Main line (local).	Each		As & when required during 2016-17
81	Hose Assembly - 9453-02341	Each		As & when required during 2016-17
82	Hose Assembly - 9453-02314	Each		As & when required during 2016-17
	<b>MAIN CONTROL VALVE.</b>			
83	Main Control valve seal kit.	Each		As & when required during 2016-17
84	Kit seal 8048-00330	Each		As & when required during 2016-17
85	Swing Motor.	Each		As & when required during 2016-17
86	Race Inner.	Each		As & when required during 2016-17
87	Plate Cam.	Each		As & when required during 2016-17
88	Plate pressure.	Each		As & when required during 2016-17
89	Bushing.	Each		As & when required during 2016-17
90	Seal oil 0722-142.	Each		As & when required during 2016-17
91	Bearing Roller 0671-133	Each		As & when required during 2016-17
92	Kit seal -8048-00340.	Each		As & when required during 2016-17


SNO	DESCRIPTION	UNIT	RATE	Delivery Schedule (shipment) in weeks/months.
	<b>SWING REDUCTION GEAR.</b>			
93	Shat	Each		As & when required during 2016-17
94	Bearing Ro1ler 0670-126	Each		As & when required during 2016-17
95	Bearing Ro1ler 0670-125	Each		As & when required during 2016-17
96	Seal oil 072-153.	Each		As & when required during 2016-17
97	Pin. 0522-145.	Each		As & when required during 2016-17
98	Gear Ring 7514-194.	Each		As & when required during 2016-17
99	Gear Sun 7514-195	Each		As & when required during 2016-17
100	Shaft 7509-159.	Each		As & when required during 2016-17
101	Bushing 7591-011	Each		As & when required during 2016-17
102	Gear 7514-193	Each		As & when required during 2016-17
103	Gear 7514-191	Each		As & when required during 2016-17
104	Plate 7515-055	Each		As & when required during 2016-17
105	Pin 8025-143	Each		As & when required during 2016-17
106	Housing APS.	Each		As & when required during 2016-17
107	Hose Assy (Return Line).	Each		As & when required during 2016-17
108	Filter (Return Line)	Each		As & when required during 2016-17
	<b>TRACK MOTOR.</b>			
109	Bearing Roller 1533-NJ-209.	Each		As & when required during 2016-17
110	Bearing Ball 1521-6206R.	Each		As & when required during 2016-17
111	Plate Retainer APS.	Each		As & when required during 2016-17
112	Kit seal 8048-00360.	Each		As & when required during 2016-17
	<b>TRACK REDUCTION MOTOR.</b>			
113	Gear Sun 610B1007-01	Each		As & when required during 2016-17
114	Gear cluster 610B1006-01	Each		As & when required during 2016-17
115	Ring seal 610B1023-00	Each		As & when required during 2016-17
116	Bearing Ball 610B1033-00	Each		As & when required during 2016-17
117	Bearing Needle 610B1032-00	Each		As & when required during 2016-17
118	Kit seal 8048-00360	Each		As & when required during 2016-17
	<b>BOOM CYLINDER</b>			
119	Seal dust Key	Each		As & when required during 2016-17
120	Bushing	Each		As & when required during 2016-17
121	Kit seal 8048-00070.	Each		As & when required during 2016-17
	<b>DIPPER CYLINDER</b>			
122	Seal dust Key	Each		As & when required during 2016-17
123	Bushing	Each		As & when required during 2016-17
124	Kit seal 8048-00080.	Each		As & when required during 2016-17
	<b>BUCKET CYLINDER</b>			
125	Seal dust Key	Each		As & when required during 2016-17
126	Bushing	Each		As & when required during 2016-17
127	Kit seal 8048-00070.	Each		As & when required during 2016-17
	<b>Pilot Line</b>			
128	Hose Assembly 945-102332	Each		As & when required during 2016-17
129	Hose Assembly 945-202331	Each		As & when required during 2016-17
130	Hose Assembly 9451-02351	Each		As & when required during 2016-17
131	Hose Assembly 9452-02350	Each		As & when required during 2016-17
132	Hose Assembly 9453-0329	Each		As & when required during 2016-17
133	Hose Assembly 9455-02616	Each		As & when required during 2016-17
134	Hose Assembly 9453-06216	Each		As & when required during 2016-17
135	Hose Assembly 9451-023224	Each		As & when required during 2016-17
136	Hose Assembly 9453-03254	Each		As & when required during 2016-17
137	Hose Assembly 9451-04231	Each		As & when required during 2016-17
138	Hose Assembly 9455-02616	Each		As & when required during 2016-17
139	Hose Assembly 9453-04219	Each		As & when required during 2016-17
140	Hose Assembly 9453-12340	Each		As & when required during 2016-17
141	Hose Assembly 9453-02337	Each		As & when required during 2016-17

SNO	DESCRIPTION	UNIT	RATE	Delivery Schedule (shipment) in weeks/months.
142	Hose Assembly 9451-05244	Each		As & when required during 2016-17
143	Hose Assembly 9455-02611	Each		As & when required during 2016-17
144	Hose Assembly 9453-02611	Each		As & when required during 2016-17
145	Hose Assembly 9453-04215	Each		As & when required during 2016-17
146	Hose Assembly 9453-02323	Each		As & when required during 2016-17
	<b>Track Shoe</b>			
147	Link Shoe	Each		As & when required during 2016-17
148	Link-LH	Each		As & when required during 2016-17
149	Link-RH	Each		As & when required during 2016-17
150	Link -Master LH	Each		As & when required during 2016-17
151	Link -Master RH	Each		As & when required during 2016-17
152	Pin Regular	Each		As & when required during 2016-17
153	Pin Master	Each		As & when required during 2016-17
154	Bushing Regular	Each		As & when required during 2016-17
155	Bushing Master	Each		As & when required during 2016-17
156	Spacer	Each		As & when required during 2016-17
157	Pin Lock	Each		As & when required during 2016-17
158	Bolt Shoe	Each		As & when required during 2016-17
159	Nut-SQ-HD Shoe	Each		As & when required during 2016-17
160	Track Chain adjusting seal kit	Each		As & when required during 2016-17
161	Sprocket Wheel	Each		As & when required during 2016-17
162	Idler wheel	Each		As & when required during 2016-17
163	Lever Filter	Each		As & when required during 2016-17
164	O-Ring Box	Each		As & when required during 2016-17
165	Oil Filter	Each		As & when required during 2016-17
166	Hydraulic Filter set complete	Each		As & when required during 2016-17

#### JOB WORKS

167	Swing Motor repair i/c replacement of seal, plate, bearing etc	P/Job		As & when required during 2016-17
168	Bucket repair i/c Patching, welding, new teeth mfg: facing with steel welding & Bushing etc.	P/Job		As & when required during 2016-17
169	Radiator Repairing, Soldering, Washing, Cleaning & Replacmant of its top & bottom cover.	P/Job		As & when required during 2016-17
170	Oil Cooler Repairing, Washing, Cleaning & Servicing.	P/Job		As & when required during 2016-17
171	Water Pump Repair i/c replacement of kit.	P/Job		As & when required during 2016-17
172	Idler Wheel repairing i/c welding of Guide, replacement of bushes, below seal & shaft.	P/Job		As & when required during 2016-17
173	Sprocket Wheel repairing i/c welding, grinding of rebuild teeth	P/Job		As & when required during 2016-17
174	Repair of Alternator i/c Cut Out, carbon bush Carbon Holder, Bearing, Starter & rewinding of rotor.	P/Job		As & when required during 2016-17
175	Repair of Self i/c replacement of field coil, carbon bushes, selonid switch & armature rewinding.	P/Job		As & when required during 2016-17
176	Turbo Charger repair by change of repair kit.	P/Job		As & when required during 2016-17
177	F.I.Pump servicing, callibration with replacement of Plunger and Delivery Valve	P/Job		As & when required during 2016-17
178	Supplying & Fixing F.I. Pump 6 Nos in one Set	P/Job		As & when required during 2016-17
179	F.I.Pump Callibration and sevicng	P/Job		As & when required during 2016-17
180	Repair of control Valve Assembly i/c replacement of Poppet, backup O Ring etc.	P/Job		As & when required during 2016-17
181	Fly wheel repairing, grinding and providing Gear & Bearing	P/Job		As & when required during 2016-17
182	Repair of Track Roller with replcament of Shaft, Bushes and seals etc	P/Job		As & when required during 2016-17
183	Repair of Carrier Roller with replce ment of Bushes Bearing and seals etc	P/Job		As & when required during 2016-17

SNO	DESCRIPTION	UNIT	RATE	Deievery Schedule (shipment) in week/moths.
184	Repair of Main Hydraulic Pump with seal kit	P/Job		As & when required during 2016-17
185	Head Seat cutting re-facing & new valve fitting	P/Job		As & when required during 2016-17.
186	Block boring , Checking & alligment	P/Job		As & when required during 2016-17.
187	Came bush fitting	P/Job		As & when required during 2016-17.
188	Connecting Rod bush fitting	P/Job		As & when required during 2016-17.
189	Crank Shafit grinding & polishing to required size	P/Job		As & when required during 2016-17.
190	Sleeve fitting	P/Job		As & when required during 2016-17.

  
 Executive Engineer  
 and In-charge Mechanical Engineer  
 [Signature]

**LIST OF SPARE PARTS /JOB WORKS REQUIRED DURING THE YEAR 2016-2017  
VOLVO HYDRAULIC EXCAVATORS**

SNO	DESCRIPTION	UNIT	RATE	Deievery Schedule (shipment) in weeks/months.
<b>ENGINE PARTS (CYLINDER HEAD)</b>				
1	Cylinder Head	Each		As & when required during 2016-17
2	Core Plug	Each		As & when required during 2016-17
3	Valve spring	Each		As & when required during 2016-17
4	Valve seat	Each		As & when required during 2016-17
5	Inlet Valve	Each		As & when required during 2016-17
6	Valve seal	Each		As & when required during 2016-17
7	Exhaust Valve	Each		As & when required during 2016-17
8	Cylinder Head Gas Kit	P/Kit.		As & when required during 2016-17
<b>CYLINDER BLOCK</b>				
9	Cam Shaft Bushing	Each		As & when required during 2016-17
<b>CYLINDER LINNER AND PISTON</b>				
10	Cylinder Kit VOE-20854651	Each		As & when required during 2016-17
11	Cylinder Kit VOE-20854654	Each		As & when required during 2016-17
12	Piston	Each		As & when required during 2016-17
13	Piston Pin	Each		As & when required during 2016-17
14	Piston Ring Kit	P/Kit.		As & when required during 2016-17
<b>VALVE MECHANISM</b>				
15	Bracket	Each		As & when required during 2016-17
16	Tappet	Each		As & when required during 2016-17
17	Rocker Arm VOE-20459853	Each		As & when required during 2016-17
18	Rocker Arm VOE-20792876	Each		As & when required during 2016-17
19	Cam Shaft	Each		As & when required during 2016-17
<b>TIMMING GEAR CASING AND GEARS</b>				
19	Plane Gas Kit	P/Kit.		As & when required during 2016-17
20	Crank Shaft Seal	Each		As & when required during 2016-17
<b>CRANK SHAFT</b>				
21	Main Bearing (APS)	Each		As & when required during 2016-17
22	Bushing	Each		As & when required during 2016-17
23	Bearing	Each		As & when required during 2016-17
24	Fly Wheel VOE-205246996	Each		As & when required during 2016-17
25	Pully VOE-20495152	Each		As & when required during 2016-17
26	Gear	Each		As & when required during 2016-17
<b>OIL SUMP</b>				
27	Guide Tube VOE-2048730	Each		As & when required during 2016-17
28	Filter Neck	Each		As & when required during 2016-17
<b>OIL COOLER</b>				
29	Sealing ring	Each		As & when required during 2016-17
30	Oil Filter	Each		As & when required during 2016-17
31	Gas Kit	P/Kit.		As & when required during 2016-17
<b>FUEL PUMP</b>				
32	Fuel Filter VOE-20516934	Each		As & when required during 2016-17
33	Fuel Pipe	Each		As & when required during 2016-17
34	Sealing ring	Each		As & when required during 2016-17
35	Fuel Pump	Each		As & when required during 2016-17
36	Hose Assembly VOE-20780700	Each		As & when required during 2016-17
37	Fuel Filter VOE-11711074	Each		As & when required during 2016-17
<b>FUEL TANK</b>				
38	Stainer	Each		As & when required during 2016-17
39	Hose VOE-14510696	Each		As & when required during 2016-17
40	Air Filter VOE-11172907	Each		As & when required during 2016-17

SNO	DESCRIPTION	UNIT	RATE	Deelivery Schedule (shipment) in weesk/moths.
<b>FUEL FILLING PUMP</b>				
41	Hose VOE-14515171	Each		As & when required during 2016-17
42	Hose VOE-14881118	Each		As & when required during 2016-17
<b>FUEL PIPE-FUEL TANK</b>				
43	Water Separator	Each		As & when required during 2016-17
44	Eliment	Each		As & when required during 2016-17
45	Gas Kit	P/Kit.		As & when required during 2016-17
46	Hose VOE-14881093	Each		As & when required during 2016-17
<b>FUEL INJECTION PUMP</b>				
47	Injection Pump	Each		As & when required during 2016-17
<b>FUEL LINES AND INJECTORS</b>				
48	Fuel pipe	Each		As & when required during 2016-17
49	Injector	Each		As & when required during 2016-17
50	Nozzle	Each		As & when required during 2016-17
51	Delivery Valve	Each		As & when required during 2016-17
52	Hose APS	Each		As & when required during 2016-17
53	Gas Kit	P/Kit.		As & when required during 2016-17
<b>TURBO CHARGER</b>				
54	Exhaust Pipe	Each		As & when required during 2016-17
55	Gas Kit	P/Kit.		As & when required during 2016-17
56	Return Line	Each		As & when required during 2016-17
57	Sealing ring	Each		As & when required during 2016-17
58	Retainer	Each		As & when required during 2016-17
59	Clamp	Each		As & when required during 2016-17
60	Oil Line	Each		As & when required during 2016-17
61	Flange	Each		As & when required during 2016-17
<b>INLET SYSTEM</b>				
62	Air Cleaner	Each		As & when required during 2016-17
63	Filter	Each		As & when required during 2016-17
64	VOEfety Filter	Each		As & when required during 2016-17
65	Return Line	Each		As & when required during 2016-17
66	Hose VOE-14518258	Each		As & when required during 2016-17
67	Hose VOE-14516335	Each		As & when required during 2016-17
<b>CHARGER AIR COOLER</b>				
68	Hose VOE-11110498	Each		As & when required during 2016-17
69	Hose VOE-14504935	Each		As & when required during 2016-17
<b>COOLING SYSTEM</b>				
70	Hose VOE-14510585	Each		As & when required during 2016-17
71	Hose VOE-14510584	Each		As & when required during 2016-17
72	Hose VOE-14881165	Each		As & when required during 2016-17
73	Hose VOE-14881148	Each		As & when required during 2016-17
<b>RADIATOR</b>				
74	Hose VOE-14512404	Each		As & when required during 2016-17
75	Hose VOE-14881157	Each		As & when required during 2016-17
<b>COOLANT FILTER</b>				
76	Filter VOE-11063256	Each		As & when required during 2016-17
77	Coolant Filter	Each		As & when required during 2016-17
78	Hose VOE-14881173	Each		As & when required during 2016-17
79	Hose VOE-14881177	Each		As & when required during 2016-17
<b>WATER PUMP AND THERMOSTAT HOUSING</b>				
80	Pully	Each		As & when required during 2016-17
81	V-Belt	Each		As & when required during 2016-17




SNO	DESCRIPTION	UNIT	RATE	Deievery Schedule (shipment) in weesk/months.
	<b>BELT TRANSMISSION</b>			
82	Pully	Each		As & when required during 2016-17
83	Ball Bearing	Each		As & when required during 2016-17
84	Bearing Bracket	Each		As & when required during 2016-17
85	Shaft	Each		As & when required during 2016-17
86	Belt Tensioner	Each		As & when required during 2016-17
	<b>COOLING FAN MOUNTING</b>			
87	Fan	Each		As & when required during 2016-17
	<b>ALTERNATOR</b>			
88	Alternator	Each		As & when required during 2016-17
89	Pully	Each		As & when required during 2016-17
90	Fan	Each		As & when required during 2016-17
	<b>STARTER MOTER</b>			
91	Starter Moter	Each		As & when required during 2016-17
	<b>TRAVELLING GEAR BOX</b>			
92	Bearing VOE-7117-30110	Each		As & when required during 2016-17
93	Seal VOE-7117-30120	Each		As & when required during 2016-17
94	Carrier VOE-7117-30200	Each		As & when required during 2016-17
95	Pin VOE-7117-30250	Each		As & when required during 2016-17
96	Gear VOE-7117-30190	Each		As & when required during 2016-17
97	Gear VOE-7117-30290	Each		As & when required during 2016-17
98	Gear VOE-7117-30330	Each		As & when required during 2016-17
99	Needle Bearing VOE-7117-30230	Each		As & when required during 2016-17
100	Repair Kit VOE-14526220	P/Kit.		As & when required during 2016-17
	<b>SWING GEAR BOX</b>			
101	Shaft VOE-711830300	Each		As & when required during 2016-17
102	Cooler VOE-14509280	Each		As & when required during 2016-17
103	Seal VOE-14508911	Each		As & when required during 2016-17
104	Bearing VOE-7118-11007	Each		As & when required during 2016-17
105	Pin VOE-9324-21617	Each		As & when required during 2016-17
106	Gear VOE-7118-30440	Each		As & when required during 2016-17
107	Bearing VOE-7118-11007	Each		As & when required during 2016-17
108	Needle Bearing VOE-7118-30440	Each		As & when required during 2016-17
109	Gear VOE-7118-30390	Each		As & when required during 2016-17
110	Gear VOE-7118-30350	Each		As & when required during 2016-17
111	Repair Kit VOE-14526214	P/Kit.		As & when required during 2016-17
	<b>PUMP GEAR BOX</b>			
112	Element VOE-14515828	Each		As & when required during 2016-17
	<b>TRAVEL MOTOR</b>			
113	Piston VOE-8230-21650	Each		As & when required during 2016-17
114	Ball Bearing VOE-8230-21580	Each		As & when required during 2016-17
115	Ball Bearing VOE-8230-21590	Each		As & when required during 2016-17
116	Relief Valve VOE-8230-21640	Each		As & when required during 2016-17
117	Filter VOE-8230-08630	Each		As & when required during 2016-17
118	Spindle VOE-14500089	Each		As & when required during 2016-17
119	Sealing Kit VOE-8230-21810	P/Kit.		As & when required during 2016-17
	<b>SWING MOTOR</b>			
120	Piston VOE-8230-35500	Each		As & when required during 2016-17
121	Spring Pin VOE-8230-00660	Each		As & when required during 2016-17
122	Shaft VOE-8230-13640	Each		As & when required during 2016-17
123	Relief Valve VOE-14518516	Each		As & when required during 2016-17
124	Seal VOE-8230-32140	Each		As & when required during 2016-17
125	Plate VOE-8230-13970	Each		As & when required during 2016-17

SNO	DESCRIPTION	UNIT	RATE	Deievery Schedule (shipment) in weesk/moths.
126	Seal APS	Each		As & when required during 2016-17
127	Sealing Kit VOE-8230-13430	P/Kit.		As & when required during 2016-17
<b>TRACK CHAIN</b>				
128	Link- L/H	Each		As & when required during 2016-17
129	Link- R/H	Each		As & when required during 2016-17
130	Link Master L/H	Each		As & when required during 2016-17
131	Link Master R/H	Each		As & when required during 2016-17
132	Pin Regular	Each		As & when required during 2016-17
133	Pin Master	Each		As & when required during 2016-17
134	Bushing Regular	Each		As & when required during 2016-17
135	Bushing Master	Each		As & when required during 2016-17
136	Spacer	Each		As & when required during 2016-17
137	Pin Lock	Each		As & when required during 2016-17
138	Bolt	Each		As & when required during 2016-17
139	Nut	Each		As & when required during 2016-17
140	Seal	Each		As & when required during 2016-17
<b>UNDER CARRIAGE (FRONT IDLER)</b>				
141	Bushing	Each		As & when required during 2016-17
142	Seal	Each		As & when required during 2016-17
<b>TOP ROLLER</b>				
143	Bushing	Each		As & when required during 2016-17
144	Plate	Each		As & when required during 2016-17
145	Sealing Kit	P/Kit.		As & when required during 2016-17
<b>BOTTOM ROLLER</b>				
146	Bushing	Each		As & when required during 2016-17
147	Plate	Each		As & when required during 2016-17
148	Sealing Kit	P/Kit.		As & when required during 2016-17
<b>HYDRAULIC OIL TANK</b>				
149	Stainer	Each		As & when required during 2016-17
150	Element	Each		As & when required during 2016-17
<b>TURNING JOINT LINE TURNING JOINT TRAVEL MOTER</b>				
151	Hose Assembly VOE-9453-02255	Each		As & when required during 2016-17
152	Hose Assembly VOE-9453-02251	Each		As & when required during 2016-17
153	Hose Assembly VOE-9453-02254	Each		As & when required during 2016-17
154	Hose Assembly VOE-9459-05790	Each		As & when required during 2016-17
<b>HYDRAULIC SYSTEM HYDRALIC TANK TO HYDRALIC OIL COOLER</b>				
155	Filter VOE-1030-61400	Each		As & when required during 2016-17
<b>HYDRAULIC SYSTEM HYDRALIC TANK TO HYDRALIC PUMP</b>				
156	Hose Assembly VOE-14880160	Each		As & when required during 2016-17
157	Hose Assembly VOE-14880320	Each		As & when required during 2016-17
158	Hose Assembly VOE-14880159	Each		As & when required during 2016-17
159	Rubber Hose VOE-14881389	Each		As & when required during 2016-17
160	Hose Assembly VOE-797169	Each		As & when required during 2016-17
161	Hose Assembly VOE-9453-04333	Each		As & when required during 2016-17
162	Hose Assembly VOE-9453-05616	Each		As & when required during 2016-17
<b>HYDRAULIC SYSTEM CONTROL VALVE TO BOOM AND SWING</b>				
163	Hose VOE-9403-05616	Each		As & when required during 2016-17
164	Hose VOE-937169	Each		As & when required during 2016-17
<b>MAIN CONTROL VALVE SWING AND OPTION, DIPPER ARM AND TRAVEL</b>				
165	Retainer VOE-7273-10390	Each		As & when required during 2016-17
166	Relief Valve VOE-14513267	Each		As & when required during 2016-17
167	Sealing Kit VOE-14506889	P/Kit.		As & when required during 2016-17

SNO	DESCRIPTION	UNIT	RATE	Delevery Schedule (shipment) in weesk/moths.
<b>HYDRAULIC PUMP</b>				
168	Piston VOE-8230-14650	Each		As & when required during 2016-17
169	Cylinder VOE-8230-28580	Each		As & when required during 2016-17
170	Plate VOE-8230-09800	Each		As & when required during 2016-17
171	Bushing APS	Each		As & when required during 2016-17
172	Valve Assembly VOE-8230-08980	Each		As & when required during 2016-17
173	Pin VOE-8230-09790	Each		As & when required during 2016-17
174	Needle Bearing VOE-8230-26700	Each		As & when required during 2016-17
175	Roller Bearing VOE-8230-26610	Each		As & when required during 2016-17
176	Sealing Kit VOE-1455298	P/Kit.		As & when required during 2016-17
<b>DIPPER ARM CYLINDER ON BOOM</b>				
177	Hose Assembly VOE-936226	Each		As & when required during 2016-17
178	Hose Assembly VOE-936214	Each		As & when required during 2016-17
179	Hose Assembly VOE-936229	Each		As & when required during 2016-17
180	Hose Assembly VOE-936826	Each		As & when required during 2016-17
<b>BUCKET</b>				
181	Pin VOE-14512676	Each		As & when required during 2016-17
182	Hose Assembly VOE-14880651	Each		As & when required during 2016-17
183	Hose Assembly VOE-14880687	Each		As & when required during 2016-17
184	Hose Assembly VOE-14880689	Each		As & when required during 2016-17
<b>BOOM CYLINDER</b>				
185	Seal VOE-14503884	Each		As & when required during 2016-17
186	Bushing VOE-14512447	Each		As & when required during 2016-17
187	Bushing VOE-14512448	Each		As & when required during 2016-17
188	Sealing Kit VOE-14515051	P/Kit.		As & when required during 2016-17
<b>DIPPER CYLINDER</b>				
189	Bushing VOE-9264-11621	Each		As & when required during 2016-17
190	Sealing Kit VOE-14515052	P/Kit.		As & when required during 2016-17
<b>BUCKET CYLINDER</b>				
191	Bushing VOE-9264-11617	Each		As & when required during 2016-17
192	Seal VOE-14503884	Each		As & when required during 2016-17
193	Sealing Kit VOE-14515053	P/Kit.		As & when required during 2016-17
<b>JOB WORKS</b>				
194	Swing Motor repair i/c replacement of seal, plate, bearing etc	P/Job		As & when required during 2016-17
195	Bucket repair i/c Patching, welding, new theeth mfg: facing with steel welding & Bushing etc.	P/Job		As & when required during 2016-17
196	Radiator Repairing, Soldering, Washing, Cleaning & Replacmant of its top & bottom cover.	P/Job		As & when required during 2016-17
197	Oil Cooler Repairing, Washing, Cleaning & Servicing.	P/Job		As & when required during 2016-17
198	Water Pump Repair i/c replacement of kit.	P/Job		As & when required during 2016-17
199	Idler Wheel repairing i/c welding of Guide, replacement of bushes, below seal & shaft.	P/Job		As & when required during 2016-17
200	Sprocket Wheel repairing i/c welding, grinding of rebuild teeth	P/Job		As & when required during 2016-17
201	Repair of Alternator i/c Cut Out, carbon bush Carbon Holder, Bearing, Starter & rewinding of rotor.	P/Job		As & when required during 2016-17
202	Repair of Self i/c replacement of field coil, carbon bushes, selenid switch & armature rewinding.	P/Job		As & when required during 2016-17
203	Turbo Charger repiar by change of repair kit.	P/Job		As & when required during 2016-17
204	F.I. Pump servicing, callibration with replacement of Plunger and Delivery Valve	P/Job		As & when required during 2016-17
205	Supplying & Fixing F.I. Pump 6 Nos in one Set	P/Job		As & when required during 2016-17
206	F.I. Pump Callibration and sevicng	P/Job		As & when required during 2016-17
207	Repair of control Valve Assembly i/c replacement of Poppet, backup O Ring etc.	P/Job		As & when required during 2016-17

SNO	DESCRIPTION	UNIT	RATE	Deievery Schedule (shipment) in weesk/moths.
208	Fly wheel repairing, grinding and providing Gear & Bearing	P/Job		As & when required during 2016-17
209	Repair of Track Roller with replcement of Shaft, Bushes and seals etc	P/Job		As & when required during 2016-17
210	Repair of Carrier Roller with replcement of Bushes Bearing and seals etc	P/Job		As & when required during 2016-17
211	Repair of Main Hydaulic Pump with seal kit	P/Job		As & when required during 2016-17



**List of G.E.S/Gates & Gearing Material of workshop Section during the year  
2016-2017**

S.No:	Description	Unit	Rate (Rs:)	Delivery schedule (Shipment) in weeks/months
1.	MS Sheet ½ "	P/Kg		As & when required during 2016-17
2.	MS Sheet 3/8"	P/Kg		As & when required during 2016-17
3.	MS Sheet 1/4"	P/Kg		As & when required during 2016-17
4.	MS Sheet 1/8"	P/Kg		As & when required during 2016-17
5.	MS Angle Iron 6" x 3" x 3/8"	P/Kg		As & when required during 2016-17
6.	MS Angle 4" x 4" x 3/8"	P/Kg		As & when required during 2016-17
7.	MS Angle 3 ½" x 3 ½" x 3/8"	P/Kg		As & when required during 2016-17
8.	MS Angle 3" x 3" x 3/8"	P/Kg		As & when required during 2016-17
9.	MS Angle Iron 2 ½" x 2 ½" x 3/8"	P/Kg		As & when required during 2016-17
10.	MS Angle Iron 2" x 2" x 3/8"	P/Kg		As & when required during 2016-17
11.	MS Channel 8" x 3"	P/Kg		As & when required during 2016-17
12.	MS Channel 6" x 3"	P/Kg		As & when required during 2016-17
13.	MS Channel 6" x 3 ½"	P/Kg		As & when required during 2016-17
14.	MS Channel 5" x 2 ½"	P/Kg		As & when required during 2016-17
15.	MS Channel 4" x 2"	P/Kg		As & when required during 2016-17
16.	MS Channel 3" x ½"	P/Kg		As & when required during 2016-17
17.	MS Flat Iron 2" x ½"	P/Kg		As & when required during 2016-17
18.	MS Bolt & Nut assorted sizes	P/Kg		As & when required during 2016-17
19.	MS Carriage Nut & Bolt off sizes	P/Kg		As & when required during 2016-17
20.	MS Washer off sizes	P/Kg		As & when required during 2016-17
21.	MS Coach Bolt & Nut off sizes	P/Kg		As & when required during 2016-17
22.	MS Spring washer off sizes	P/Kg		As & when required during 2016-17
23.	MS Welding Rod 8 swg	P/Kg		As & when required during 2016-17
24.	MS Welding Rod 10 swg	P/Kg		As & when required during 2016-17
25.	Cost Iron welding Rod 10 swg	P/Kg		As & when required during 2016-17
26.	Cost Iron welding 8 swg	P/Kg		As & when required during 2016-17
27.	Gas Cutter with Nozzle complete China	Each		As & when required during 2016-17
28.	Gas Cutter Nozzle	Each		As & when required during 2016-17
29.	Gas Cutter Nipple	Each		As & when required during 2016-17
30.	Gas Cutter Clamps	Each		As & when required during 2016-17
31.	Oxygen Gas Regulator	Each		As & when required during 2016-17
32.	Acetylene Gas Regulator	Each		As & when required during 2016-17
33.	Oxygen Gauge BOC	Each		As & when required during 2016-17
34.	Acetylene Gas BOC	Each		As & when required during 2016-17
35.	Oxygen Gas Pipe	P/Rft		As & when required during 2016-17
36.	Acetylene Gas Pipe	P/Rft		As & when required during 2016-17
37.	Oxygen Gas	P/Cyl		As & when required during 2016-17
38.	Acetylene Gas	P/Cum		As & when required during 2016-17
39.	Gas Cylinder Key	Each		As & when required during 2016-17
40.	Electric Welding Cable heavy Duty	P/Rft.		As & when required during 2016-17
41.	Electric Welding Holder	Each		As & when required during 2016-17

42.	Welding Screen for welder	Each	As & when required during 2016-17
43.	Glass Black for welding screen	Each	As & when required during 2016-17
44.	Glass White for welding screen	Each	As & when required during 2016-17
45.	Goggle for welder	Each	As & when required during 2016-17
46.	Hand Gloves Leather	Each	As & when required during 2016-17
47.	Hand Gloves Cotton	Each	As & when required during 2016-17
48.	Painting Brush 4"	Each	As & when required during 2016-17
49.	Red Oxide Paint superior quality	P/Ltr:	As & when required during 2016-17
50.	Black Paint superior quality	P/Ltr:	As & when required during 2016-17
51.	White Paint superior quality	P/Ltr:	As & when required during 2016-17
52.	Gray Paint superior quality	P/Ltr:	As & when required during 2016-17
53.	Silver Paint superior quality	P/Ltr:	As & when required during 2016-17
54.	Kerosene Oil	P/Ltr:	As & when required during 2016-17
55.	Transformer Oil	P/Ltr:	As & when required during 2016-17
56.	M.P Grease	P/Kg	As & when required during 2016-17
57.	Cotton Waste	P/Kg	As & when required during 2016-17
58.	U-Clamps off sizes	Each	As & when required during 2016-17
59.	Thrust Bearing	Each	As & when required during 2016-17
60.	HC Steel Wire Rope 7/8"	P/Rft	As & when required during 2016-17
61.	Steel Wire Rope 5/8"	P/Rft.	As & when required during 2016-17
62.	Steel Wire Rope 1/2"	P/Rft.	As & when required during 2016-17
63.	Manila Rope 1"	P/Rft.	As & when required during 2016-17
64.	MS Screw Rod 2"	P/Rft.	As & when required during 2016-17
65.	MS Screw Rod 2 1/2"	P/Rft.	As & when required during 2016-17
66.	Brass Sqr Nut 2"	Each	As & when required during 2016-17
67.	Brass Sqr Nut 2 1/2"	Each	As & when required during 2016-17
68.	Brass Revolving Nut 2"	Each	As & when required during 2016-17
69.	Brass Revolving Nut 2 1/2"	Each	As & when required during 2016-17
70.	MS Bottom Bracket 2"	Each	As & when required during 2016-17
71.	MS Bottom Bracket 2 1/2 "	Each	As & when required during 2016-17
72.	C.I Top Bracket Double Shape	Each	As & when required during 2016-17
73.	C.I Bevel Gear 16" x 2"	Each	As & when required during 2016-17
74.	C.I Bevel Gear 16" x 2 1/2"	Each	As & when required during 2016-17
75.	C.I Pinion 5"	Each	As & when required during 2016-17
76.	C.I Plumber Block	Each	As & when required during 2016-17
77.	C.I Pivot Bracket	Each	As & when required during 2016-17
78.	Anchor for capston winch machine	Each	As & when required during 2016-17
79.	Winch Machine Body large	Each	As & when required during 2016-17
80.	Winch Machine Body small	Each	As & when required during 2016-17
81.	Winch Machine side cover Large	Each	As & when required during 2016-17
82.	Winch Machine side cover small	Each	As & when required during 2016-17
83.	Winch Machine Bracket Large	Each	As & when required during 2016-17
84.	Winch Machine Bracket small	Each	As & when required during 2016-17
85.	Winch Machine Shaft with drum	Each	As & when required during 2016-17
86.	Winch Machine shaft bush	Each	As & when required during 2016-17
87.	Winch Machine Arm Gear Large	Each	As & when required during 2016-17

88.	Winch Machine Arm Gear small	Each	As & when required during 2016-17
89.	Winch Machine worm Gear Large	Each	As & when required during 2016-17
90.	Winch Machine worm Gear small	Each	As & when required during 2016-17
91.	Winch Machine Clutch	Each	As & when required during 2016-17
92.	Winch Machine Dog	Each	As & when required during 2016-17
93.	Winch Machine Handle	Each	As & when required during 2016-17
94.	Winch Machine Lock Collar	Each	As & when required during 2016-17
95.	Winch Machine Clutch Lock Collar	Each	As & when required during 2016-17
96.	M.S Lock Collar Pin	Each	As & when required during 2016-17
97.	M.S Lock Collar	Each	As & when required during 2016-17
98.	M.S Key	Each	As & when required during 2016-17
99.	MS Collar	Each	As & when required during 2016-17
100.	M.S Handle	Each	As & when required during 2016-17
101.	Driving Wheel	Each	As & when required during 2016-17
102.	Gear Box Cover	Each	As & when required during 2016-17
103.	G.I Pipe 1"	Each	As & when required during 2016-17
104.	Wooden Bali 3" x 3"	P/Rft	As & when required during 2016-17
105.	Base Wood Beam 5" x 5" x 10'	P/Rft	As & when required during 2016-17
106.	Wooden Plank 2" x 10"	P/Rft	As & when required during 2016-17
107.	Curved Wood 2 ½" x 2 ½" 8'	Each	As & when required during 2016-17
108.	Curved Wood 2 ½" x 2 ½" x 6'	Each	As & when required during 2016-17
109.	Battery 12 Volts 27 Plate (Exide)	Each	As & when required during 2016-17
110.	Battery 12 Volts 15 Plate (Exide)	Each	As & when required during 2016-17
111.	Battery Terminal Assorted sizes	Each	As & when required during 2016-17
112.	Battery Lead Heavy Duty	Each	As & when required during 2016-17
113.	Battery Mixture	Each	As & when required during 2016-17
114.	Battery Charger Clip	Each	As & when required during 2016-17
115.	Distilled water	P/Ltr:	As & when required during 2016-17
116.	Soldering wire	P/Kg.	As & when required during 2016-17
117.	Tyre with Tube & Flaps 1200x24 (General)	P/Set	As & when required during 2016-17
118.	Tyre with Tube & Flaps 1200x20 (General)	P/Set	As & when required during 2016-17
119.	Tyre with Tube & Flaps 1100x20 (General)	P/Set	As & when required during 2016-17
120.	Tyre with Tube & Flaps 1000x20 (General)	P/Set	As & when required during 2016-17
121.	Tyre with Tube & Flaps 1000x15 (General)	P/Set	As & when required during 2016-17
122.	Tyre with Tube & Flaps 900x20 (General)	P/Set	As & when required during 2016-17
123.	Tyre with Tube & Flaps 825x20 (General)	P/Set	As & when required during 2016-17
124.	Tyre with Tube & Flaps 750x16 (General)	P/Set	As & when required during 2016-17
125.	Tyre with Tube & Flaps 650x16 (General)	P/Set	As & when required during 2016-17
126.	Tyre with Tube & Flaps 600x16 (General)	P/Set	As & when required during 2016-17
127.	Tyre 1200 x 24 (General)	Each	As & when required during 2016-17
128.	Tyre 1200 x 20 (General)	Each	As & when required during 2016-17
129.	Tyre 1100x20 (General)	Each	As & when required during 2016-17
130.	Tyre 1000x20 (General)	Each	As & when required during 2016-17
131.	Tyre 1000x15 (General)	Each	As & when required during 2016-17
132.	Tyre 900x20 (General)	Each	As & when required during 2016-17
133.	Tyre 825x20 (General)	Each	As & when required during 2016-17

134.	Tyre 750x16 (General)	Each	As & when required during 2016-17
135.	Tyre 650x16 (General)	Each	As & when required during 2016-17
136.	Tyre 600x16 (General)	Each	As & when required during 2016-17
137.	Tube 1200x24	Each	As & when required during 2016-17
138.	Tube 1200x20	Each	As & when required during 2016-17
139.	Tube 1100x20	Each	As & when required during 2016-17
140.	Tube 1000x20	Each	As & when required during 2016-17
141.	Tube 1000x15	Each	As & when required during 2016-17
142.	Tube 900x20	Each	As & when required during 2016-17
143.	Tube 825x20	Each	As & when required during 2016-17
144.	Tube 750x16	Each	As & when required during 2016-17
145.	Tube 650x16	Each	As & when required during 2016-17
146.	Tube 600x16	Each	As & when required during 2016-17
147.	Flaps 1200x24	Each	As & when required during 2016-17
148.	Flaps 1200x20	Each	As & when required during 2016-17
149.	Flaps 1100x20	Each	As & when required during 2016-17
150.	Flaps 1000x20	Each	As & when required during 2016-17
151.	Flaps 1000x15	Each	As & when required during 2016-17
152.	Flaps 900x20	Each	As & when required during 2016-17
153.	Flaps 825x20	Each	As & when required during 2016-17
154.	Flaps 750x16	Each	As & when required during 2016-17
155.	Flaps 650x16	Each	As & when required during 2016-17
156.	Flaps 600x16	Each	As & when required during 2016-17
157.	Life Buoy Soap	Each	As & when required during 2016-17
158.	Hari Soap	Each	As & when required during 2016-17
159.	Torch 3 Cell	Each	As & when required during 2016-17
160.	Battery Cell 555	Each	As & when required during 2016-17
161.	Tent 14' x 14' Double Ply 3 Ply water proof, superior quality with all accessories	Each	As & when required during 2016-17
162.	Tent 16' x 16' Double Ply 3 Ply water proof, superior quality with all accessories	Each	As & when required during 2016-17
163.	Tent 18' x 18' Double Ply 3 Ply water proof, superior quality with all accessories	Each	As & when required during 2016-17
164.	Protective Cloth for Uniform	P/Mt r:	As & when required during 2016-17
<b>JOB WORK</b>			
1.	Rewinding of Primary & Secondary Coil of welding Transformer	P/Job	As & when required during 2016-17
2.	Rewinding of Electric Primary Coil of welding Transformer	P/Job	As & when required during 2016-17
3.	Rewinding of Electric Secondary Coil of welding Transformer	P/Job	As & when required during 2016-17
4.	Rewinding of Electric Primary Coil of welding Transformer	P/Job	As & when required during 2016-17
5.	Rewinding of Electric Secondary Coil of welding Transformer	P/Job	As & when required during 2016-17



6.	Rewinding of welding Generator Primary & Electric Secondary Coils providing ball bearing and carbon bush	P/Job		As & when required during 2016-17
7.	Rewinding of welding Generator Primary Coil	P/Job		As & when required during 2016-17
8.	Rewinding of welding Generator Sec: coil	P/Job		As & when required during 2016-17
9.	Sewing charges of uniform	P/Job		As & when required during 2016-17
10.	Rewinding of Electric Moitor 3 HP Complete prov: Ball Bearing carbon bush			As & when required during 2016-17



*AC*

## LIST OF SPARE PARTS /JOB WORKS REQUIRED DURING THE YEAR 2016-2017

## D-8K DOZER

S.NO	DESCRIPTION	UNIT	RATE	REMARKS
1	Piston required Size 8N-3102	Each		As & when required during 2016-17
2	Piston Ring 2W-1709	Each		As & when required during 2016-17
3	Piston Pin	Each		As & when required during 2016-17
4	Piston Pin Lock	Each		As & when required during 2016-17
5	Linner 6H-5396	Each		As & when required during 2016-17
6	Connecting Rod Assy 4S-6867	Each		As & when required during 2016-17
7	Connecting Rod Bearing 4N-9183	Each		As & when required during 2016-17
8	Connecting Rod Nut & Bolt	Each		As & when required during 2016-17
9	Cam Bush 4N-9183	Each		As & when required during 2016-17
10	Cam Shaft Bearing 8F-8523	Each		As & when required during 2016-17
11	Head Gas Kit 3P-5950	Each		As & when required during 2016-17
12	Engine Overhauling GasKit	Each		As & when required during 2016-17
13	Main Bearing required size 4S-6866	Each		As & when required during 2016-17
14	Big end Bearing required size 4S-9276	Each		As & when required during 2016-17
15	Main Oil Seal	Each		As & when required during 2016-17
16	Rear Oil Seal	Each		As & when required during 2016-17
17	Valve Exhaust 8H-1943	Each		As & when required during 2016-17
18	Valve Inlet 8H-1943	Each		As & when required during 2016-17
19	Valve Guide 4N-3669	Each		As & when required during 2016-17
20	Valve spring 9M-5349	Each		As & when required during 2016-17
21	Timing Shaft IP-9955	Each		As & when required during 2016-17
22	Fan Belt 7S-5427	Each		As & when required during 2016-17
23	Glow Plug IP-7324	Each		As & when required during 2016-17
24	Chamber Assy 2P-0484	Each		As & when required during 2016-17
25	Chamber Opener 5F-9353	Each		As & when required during 2016-17
26	Gudgen Pin 7N-9809	Each		As & when required during 2016-17
27	Push Rod 9H-6263	Each		As & when required during 2016-17
28	Guide Bush 3N-1414	Each		As & when required during 2016-17
29	Valve Relief 3P-7665	Each		As & when required during 2016-17
30	Oil Filter 2P-4005	Each		As & when required during 2016-17
31	Fuel Filter IP-2299	Each		As & when required during 2016-17
32	Filter Opener 2P-8250	Each		As & when required during 2016-17
33	Air Filter -8N-5495	Each		As & when required during 2016-17
34	Air Filter IP-7360	Each		As & when required during 2016-17
35	Seal 6L-7812	Each		As & when required during 2016-17
36	Seal 2S-1509	Each		As & when required during 2016-17
37	Fuel Pump Element	Each		As & when required during 2016-17
38	Fuel Pump Delivery valve	Each		As & when required during 2016-17
39	Fuel Transfer pump 4N-4880	Each		As & when required during 2016-17
40	Seal 9H-6761	Each		As & when required during 2016-17
41	Nozzle 7S-1059	Each		As & when required during 2016-17
42	Plunger IP-6400	Each		As & when required during 2016-17
43	Oil Pump Complete	Each		As & when required during 2016-17
44	Oil Pressure Gauge	Each		As & when required during 2016-17
45	Oil Temperature Gauge	Each		As & when required during 2016-17
46	Water Temperature Gauge	Each		As & when required during 2016-17
47	Canvertor Temperature Gauge	Each		As & when required during 2016-17
48	Seal 2W-2191	Each		As & when required during 2016-17
49	Water Filter	Each		As & when required during 2016-17
50	Hydraulic Filter 4J-6864	Each		As & when required during 2016-17
51	Hydraulic Oil Filter 9J-750	Each		As & when required during 2016-17
52	Seal Kit for Hydraulic Pump 1J-5114	Each		As & when required during 2016-17
53	Idler wheel Shaft 9S-4342	Each		As & when required during 2016-17
54	Idler wheel Bushing 6P-2083	Each		As & when required during 2016-17
55	Idler wheel Seal Kit	Each		As & when required during 2016-17
56	Fuel Primary Pump IP-2297	Each		As & when required during 2016-17
57	Carrier IT-224	Each		As & when required during 2016-17
58	Seal 8N-9155	Each		As & when required during 2016-17
59	Seal 7S-0280	Each		As & when required during 2016-17
60	Shaft 9P-3662	Each		As & when required during 2016-17
61	Plate 5M 2477	Each		As & when required during 2016-17
62	Plate 7M 1428	Each		As & when required during 2016-17
63	Plate 1M -4179	Each		As & when required during 2016-17
64	Plate 3p-1686	Each		As & when required during 2016-17
65	Bearing 4M-5858	Each		As & when required during 2016-17

S.NO	DESCRIPTION	UNIT	RATE	REMARKS
66	Bearing 4M-3915	Each		As & when required during 2016-17
67	Bearing 1M-4095	Each		As & when required during 2016-17
68	Gear 2P-6593	Each		As & when required during 2016-17
69	Gear 6P-6594	Each		As & when required during 2016-17
70	Gear 6P-6595	Each		As & when required during 2016-17
71	Track Chain Link Left	Each		As & when required during 2016-17
72	Track Chain Link Rigt	Each		As & when required during 2016-17
73	Track Chain Bush	Each		As & when required during 2016-17
74	Track Chain Pin	Each		As & when required during 2016-17
75	Track Chain Nut & Bolt	Each		As & when required during 2016-17
76	Seagment	Each		As & when required during 2016-17
77	Seagment Nut & Bolt	Each		As & when required during 2016-17
78	Track Roller Seal	Each		As & when required during 2016-17
79	Track Roller coller	Each		As & when required during 2016-17
80	Track Shoe 7H-3599	Each		As & when required during 2016-17
81	Track Shoe Nut 2S-2140	Each		As & when required during 2016-17
82	Sprocket Wheel Nut & Bolt	Each		As & when required during 2016-17
83	Preasure Control Valve 9J-3581	Each		As & when required during 2016-17
84	Control Valve 9P-7683	Each		As & when required during 2016-17
85	Heater Plug 3T-9562	Each		As & when required during 2016-17
86	Jack Cylinder Seal 6J-6763	Each		As & when required during 2016-17
87	Valve Service Group Assy 7S-1059	Each		As & when required during 2016-17
88	Valve Service Group Seal 5B -3718	Each		As & when required during 2016-17
89	Valve Service Group Seal 6F -1059	Each		As & when required during 2016-17
90	Wheel ( Turbo Charger )6N-3250	Each		As & when required during 2016-17
91	Shaft & Wheel Assy ( Turbo Charger )	Each		As & when required during 2016-17
92	Housing Assy ( Turbo Charger )	Each		As & when required during 2016-17
93	Hose Assy ( Turbo Charger )	Each		As & when required during 2016-17
94	Rooter ( Hydraulic Pump Cartridge Kit ) IU-3957	Each		As & when required during 2016-17
95	Van Kit ( Hydraulic Pump Cartridge Kit )	Each		As & when required during 2016-17
96	Came ( Hydraulic Pump Cartridge Kit )	Each		As & when required during 2016-17
97	Seal Kit ( Hydraulic Pump Cartridge Kit )	Each		As & when required during 2016-17
98	Van Rooter ( Pilot Pump RK- 2086 )	Each		As & when required during 2016-17
99	Cam ( Pilot Pump RK- 2086 )	Each		As & when required during 2016-17
100	Blade ( Pilot Pump RK- 2086 )	Each		As & when required during 2016-17
101	Rooter Plate( Pilot Pump RK- 2086 )	Each		As & when required during 2016-17
102	Seal ( Pilot Pump RK- 2086 )	Each		As & when required during 2016-17
103	Van Rooter ( Pilot Pump RK- 2085 )	Each		As & when required during 2016-17
104	Cam ( Pilot Pump RK- 2085 )	Each		As & when required during 2016-17
105	Blade ( Pilot Pump RK- 2085 )	Each		As & when required during 2016-17
106	Rooter Plate ( Pilot Pump RK- 2085 )	Each		As & when required during 2016-17
107	Seal ( Pilot Pump RK- 2085 )	Each		As & when required during 2016-17
108	Seal ( Set of 6 Nos ) 1M-1077	Each		As & when required during 2016-17
109	Spring ( Set of 6 Nos ) 1M-3506	Each		As & when required during 2016-17
110	Radiator Hose Pipe Inlet	Each		As & when required during 2016-17
111	Radiator Hose Pipe outlet	Each		As & when required during 2016-17
112	Turbo Pipes	Each		As & when required during 2016-17
113	Solenide Switch	Each		As & when required during 2016-17
114	Cutout 24 Volts	Each		As & when required during 2016-17
115	Roller Seal	Each		As & when required during 2016-17
116	Track Chain Adjustment Seal Kit	Each		As & when required during 2016-17
117	Hyd Preasure Pipe for Main Jack Cyl	Each		As & when required during 2016-17
118	Hyd Preasure Pipe for Cutting Cyl	Each		As & when required during 2016-17
119	Hyd Preasure Pipe for Transmission	Each		As & when required during 2016-17
120	Hyd Preasure Pipe for Pennel to Blade left	Each		As & when required during 2016-17
121	Hyd Preasure Pipe for Pennel to Blade Right	Each		As & when required during 2016-17
124	Hyd Preasure Pipe for Pennel to Hydraulic Pump	Each		As & when required during 2016-17

S.NO	DESCRIPTION	UNIT	RATE	REMARKS
	<b>JOB WORKS</b>			
125	Head Set Cutting, refacing & Grinding of old volvo & new volvo fitting	P/Job		As & when required during 2016-17
126	Cylinder Block Boring checking, alignment & liner fitting	P/Job		As & when required during 2016-17
127	Crank shaft checking & alignment	P/Job		As & when required during 2016-17
128	Connecting Rod Bush Fitting	P/Job		As & when required during 2016-17
129	Water pump repairing i/c replacement of kit	P/Job		As & when required during 2016-17
130	Pressure Control Valve repair	P/Job		As & when required during 2016-17
131	Self repairing i/c replacement of carbon bush, field coil etc	P/Job		As & when required during 2016-17
132	Generator repairing i/c providing starter & replacement of rotor	P/Job		As & when required during 2016-17
133	Radiator repairing cleaning washing	P/Job		As & when required during 2016-17
134	Radiator repairing i/c replacement of Top & Bottom	P/Job		As & when required during 2016-17
135	F.I.P. calibration & Servicing	P/Job		As & when required during 2016-17
136	F.I.P. calibration providing plunger, element, delivery valve etc	P/Job		As & when required during 2016-17
137	Fly Wheel repairing providing Gear & Bearing	P/Job		As & when required during 2016-17
138	Complete Auto wiring providing LT Wire sealed beam & indicators	P/Job		As & when required during 2016-17
139	Idler wheel repairing i/c replacement of shaft & Bushes	P/Job		As & when required during 2016-17
140	Repair of Seat by providing Rexion, Foam & spring etc	P/Job		As & when required during 2016-17
141	Repair of Carrier Roller providing shaft seal bearing & Bushs	P/Job		As & when required during 2016-17
142	Repair of Track Roller providing shaft seal bearing & Bushs	P/Job		As & when required during 2016-17
143	Repair of oil cooler transmission i/c replacement of Gas kit, plug & washer etc	P/Job		As & when required during 2016-17
144	Sprocket wheel repairing welding & grinding	P/Job		As & when required during 2016-17



**LIST OF SPARE PARTS /JOB WORKS REQUIRED DURING THE YEAR 2016-2017  
SHAUNTUI / CHINA DOZER**

S.NO	DESCRIPTION	UNIT	RATE	REMARKS
1	Piston required Size	Each		As & when required during 2016-17
2	Piston Ring	Each		As & when required during 2016-17
3	Piston Pin	Each		As & when required during 2016-17
4	Linner	Each		As & when required during 2016-17
5	Connecting Rod Bearing	Each		As & when required during 2016-17
6	Connecting Rod Nut & Bolt	Each		As & when required during 2016-17
7	Cam Bush	Each		As & when required during 2016-17
8	Cam Shafit Bearing	Each		As & when required during 2016-17
9	Head Gas Kit	Each		As & when required during 2016-17
10	Engine Overhauling GasKit	Each		As & when required during 2016-17
11	Main Bearing required size	Each		As & when required during 2016-17
12	Big end Bearing required size	Each		As & when required during 2016-17
13	Main Oil Seal	Each		As & when required during 2016-17
14	Rear Oil Seal	Each		As & when required during 2016-17
15	Valve Exhaust	Each		As & when required during 2016-17
16	Valve Inlet	Each		As & when required during 2016-17
17	Valve Guide	Each		As & when required during 2016-17
18	Timing Shaft	Each		As & when required during 2016-17
19	Fan Belt	Each		As & when required during 2016-17
20	V- Belt APS	Each		As & when required during 2016-17
21	Oil Filter	Each		As & when required during 2016-17
22	Fuel Filter Primary	Each		As & when required during 2016-17
23	Fuel Filter Sacondery	Each		As & when required during 2016-17
24	Air Cleaner Filter Inner	Each		As & when required during 2016-17
25	Air Cleaner Filter Outer	Each		As & when required during 2016-17
26	Water Filter	Each		As & when required during 2016-17
27	Hydraulic Filter	Each		As & when required during 2016-17
28	Fuel Pump Element	Each		As & when required during 2016-17
29	Fuel Pump Delivery valve	Each		As & when required during 2016-17
30	Fuel Transfer pump	Each		As & when required during 2016-17
31	Injector Assy	Each		As & when required during 2016-17
32	Needle Nozzle	Each		As & when required during 2016-17
33	Plunger	Each		As & when required during 2016-17
34	Oil Pump Complete	Each		As & when required during 2016-17
35	Oil Pump Kit	Each		As & when required during 2016-17
36	Water Pump Repair Kit	Each		As & when required during 2016-17
37	Hydraulic Hose Pipe for gear Box	Each		As & when required during 2016-17
38	Hydraulic Hose Pipe for Clutch	Each		As & when required during 2016-17
39	Fuel Primary Pump	Each		As & when required during 2016-17
40	Hydraulic pump shaft	Each		As & when required during 2016-17
41	Seal Kit for Hydraulic Pump	Each		As & when required during 2016-17
42	Track Chain Link Left	Each		As & when required during 2016-17
43	Track Chain Link Rigt	Each		As & when required during 2016-17
44	Track Chain Bush	Each		As & when required during 2016-17
45	Track Chain Pin	Each		As & when required during 2016-17
46	Track Chain Nut & Bolt	Each		As & when required during 2016-17
47	Track Chain Adjustment Seal Kit	Each		As & when required during 2016-17
48	Track Roller Shaft	Each		As & when required during 2016-17
49	Track Roller Seal	Each		As & when required during 2016-17
50	Carrier Roller	Each		As & when required during 2016-17
51	Hyd Preassure Pipe for Main Jack Cyl	Each		As & when required during 2016-17
52	Hyd Preassure Pipe for Cutting Cyl	Each		As & when required during 2016-17
53	Hyd Preassure Pipe for Transmissionr	Each		As & when required during 2016-17
54	Hyd Preassure Pipe for Pennel to Blade left	Each		As & when required during 2016-17
55	Hyd Preassure Pipe for Pennel to Blade Right	Each		As & when required during 2016-17
56	Hyd Preassure Pipe for Pennel to Hydraulic Pump	Each		As & when required during 2016-17
57	Radiator Hose Pipe inlet	Each		As & when required during 2016-17
58	Radiator Hose Pipe outlet	Each		As & when required during 2016-17
59	Self Complete	Each		As & when required during 2016-17
60	Generator 24 Volt	Each		As & when required during 2016-17
61	Fly Wheel	Each		As & when required during 2016-17

S.NO	DESCRIPTION	UNIT	RATE	REMARKS
	<b>JOB WORKS</b>			
62	Head Set Cutting, refacing & Grinding of old volve & New Volve fitting	P/Job		As & when required during 2016-17
63	Cylinder Blook Boring checking ,alligment & linner fitting.	P/Job		As & when required during 2016-17
64	Conecting Rod Bush Fitting	P/Job		As & when required during 2016-17
65	Water pump repairing i/c replacement of kit	P/Job		As & when required during 2016-17
66	Preassure Control Valve repair	P/Job		As & when required during 2016-17
67	Self repairing i/c replacement of corbon bush ,field coil etc	P/Job		As & when required during 2016-17
68	Generator repairing i/c proving starter& replacment of its rootar.	P/Job		As & when required during 2016-17
69	Radiator repairing i/c replacement of Top & Bottom	P/Job		As & when required during 2016-17
70	F.I.P. collabration providing plunger, element, delivery valve etc	P/Job		As & when required during 2016-17
71	Fly Wheel repairing providing Gear & Bearing	P/Job		As & when required during 2016-17
72	Complete Auto wiring providing LT Wire sealed beam & indicators	P/Job		As & when required during 2016-17
73	Idler wheel repairing i/c replacement of shoft & Bushes	P/Job		As & when required during 2016-17
74	Repair of Carrier Roller providing shaft seal bearing& Bushs	P/Job		As & when required during 2016-17
75	Repair of Track Roller prov:shaft seal bearing& Bushs & welding	P/Job		As & when required during 2016-17
76	Repair of oil cooler transmission i/c replacement of Gas kit , plug & washer etc	P/Job		As & when required during 2016-17
77	Sprocket wheel repairing welding & grinding	P/Job		As & when required during 2016-17



Handwritten signature and scribbles, possibly initials, located below the table.

**LIST OF SPARE PARTS /JOB WORKS REQUIRED DURING THE YEAR 2016-2017  
STALWAVOLA DOZER**

S.NO	DESCRIPTION	UNIT	RATE	REMARKS
1	Piston required Size	Each		As & when required during 2016-17
2	Piston Ring	Each		As & when required during 2016-17
3	Piston Pin	Each		As & when required during 2016-17
4	Linner	Each		As & when required during 2016-17
5	Connecting Rod Assy	Each		As & when required during 2016-17
6	Connecting Rod Bearing	Each		As & when required during 2016-17
7	Connecting Rod Nut & Bolt	Each		As & when required during 2016-17
8	Cam Bush	Each		As & when required during 2016-17
9	Cam Shafit Bearing	Each		As & when required during 2016-17
10	Head Gas Kit	Each		As & when required during 2016-17
11	Engine Overhauling GasKit	Each		As & when required during 2016-17
12	Main Bearing required size	Each		As & when required during 2016-17
13	Big end Bearing required size	Each		As & when required during 2016-17
14	Main Oil Seal	Each		As & when required during 2016-17
15	Rear Oil Seal	Each		As & when required during 2016-17
16	Valve Exhaust	Each		As & when required during 2016-17
17	Valve Inlet	Each		As & when required during 2016-17
18	Valve Guide	Each		As & when required during 2016-17
19	Valve spring	Each		As & when required during 2016-17
20	Ignation switch	Each		As & when required during 2016-17
21	Timing Shaft	Each		As & when required during 2016-17
22	Fan Belt	Each		As & when required during 2016-17
23	Heater Plug	Each		As & when required during 2016-17
24	Crank Seal Front	Each		As & when required during 2016-17
25	Crank Seal rear	Each		As & when required during 2016-17
26	Guide Bush	Each		As & when required during 2016-17
27	Valve Relief	Each		As & when required during 2016-17
28	Oil Filter	Each		As & when required during 2016-17
29	Fuel Filter Primary	Each		As & when required during 2016-17
30	Fuel Filter Sacondery	Each		As & when required during 2016-17
31	Air Cleaner Filter Outer	Each		As & when required during 2016-17
32	Air Cleaner Filter Inner	Each		As & when required during 2016-17
33	Hydraulic Filter	Each		As & when required during 2016-17
34	Fuel Pump Element	Each		As & when required during 2016-17
35	Fuel Pump Delivery valve	Each		As & when required during 2016-17
36	Fuel Transfer pump	Each		As & when required during 2016-17
37	Injector Assy	Each		As & when required during 2016-17
38	Nozzle	Each		As & when required during 2016-17
39	Plunger	Each		As & when required during 2016-17
40	Water Filter	Each		As & when required during 2016-17
41	Oil Pump Complete	Each		As & when required during 2016-17
42	Oil Pump Kit	Each		As & when required during 2016-17
43	Turbu Charger Repair Kit	Each		As & when required during 2016-17
44	AC Pump Kit	Each		As & when required during 2016-17
45	Water Filter	Each		As & when required during 2016-17
46	Hydraulic Filter	Each		As & when required during 2016-17
47	Hydraulic Oil Filter	Each		As & when required during 2016-17
48	Hydraulic pump shaft	Each		As & when required during 2016-17
49	Seal Kit for Hydraulic Pump	Each		As & when required during 2016-17
50	Idler wheel Shaft	Each		As & when required during 2016-17
51	Idler wheel Bushing	Each		As & when required during 2016-17
52	Idler wheel Seal Kit	Each		As & when required during 2016-17
53	Fuel Primary Pump	Each		As & when required during 2016-17
54	Track Chain Link Left	Each		As & when required during 2016-17
55	Track Chain Link Rigt	Each		As & when required during 2016-17
56	Track Chain Bush	Each		As & when required during 2016-17
57	Track Chain Pin	Each		As & when required during 2016-17
58	Track Chain Nut & Bolt	Each		As & when required during 2016-17
59	Hydraulic Pump Seal	Each		As & when required during 2016-17
60	Track Roller Shaft	Each		As & when required during 2016-17
61	Track Roller Seal	Each		As & when required during 2016-17
62	Track Roller coller	Each		As & when required during 2016-17
63	Track Roller Bearing	Each		As & when required during 2016-17
64	Track Shoe	Each		As & when required during 2016-17
65	Track Shoe Nut	Each		As & when required during 2016-17

S.No	DESCRIPTION	UNIT	RATE	REMARKS
66	Sprocket Wheel	Each		As & when required during 2016-17
67	Sprocket Wheel Nut & Bolt	Each		As & when required during 2016-17
68	Carrier Roller	Each		As & when required during 2016-17
69	Preassure Control Valve	Each		As & when required during 2016-17
70	Radiator Hose Pipe bottom	Each		As & when required during 2016-17
71	Radiator Hose Pipe top	Each		As & when required during 2016-17
72	Self Complete	Each		As & when required during 2016-17
73	Generator 24 Volt	Each		As & when required during 2016-17
74	Solenoid Switch	Each		As & when required during 2016-17
75	Cutout 24 Volts	Each		As & when required during 2016-17
76	Roller Seal	Each		As & when required during 2016-17
77	Track Chain Adjustment Seal Kit	Each		As & when required during 2016-17
78	Fan	Each		As & when required during 2016-17
79	Fly Wheel	Each		As & when required during 2016-17
80	Hyd Preassure Pipe for Main Jack Cyl	Each		As & when required during 2016-17
81	Hyd Preassure Pipe for Cutting Cyl	Each		As & when required during 2016-17
82	Hyd Preassure Pipe for Transmissionr	Each		As & when required during 2016-17
83	Hyd Preassure Pipe for Pennel to Blade left	Each		As & when required during 2016-17
84	Hyd Preassure Pipe for Pennel to Blade Right	Each		As & when required during 2016-17
85	Hyd Preassure Pipe for Pennel to Hydraulic Pump	Each		As & when required during 2016-17
86	V- Belt	Each		As & when required during 2016-17
87	Hydraulic Hose Pipe for Gear Box	Each		As & when required during 2016-17
88	Hydraulic Hose Pipe for Automatic Clutch	Each		As & when required during 2016-17
	<b>JOB WORKS</b>			
89	Head Set Cutting, refacing & Grinding of old volve & New Volve fitting	P/Job		As & when required during 2016-17
90	Cylinder Blook Boring checking ,alligment & linner fitting	P/Job		As & when required during 2016-17
91	Crank shaft checking & alligment	P/Job		As & when required during 2016-17
92	Conecting Rod Bush Fitting	P/Job		As & when required during 2016-17
93	Water pump repairing i/c replacement of kit	P/Job		As & when required during 2016-17
94	Preassure Control Valve repair	P/Job		As & when required during 2016-17
95	Self repairing i/c replacement of corbon bush ,field coil etc	P/Job		As & when required during 2016-17
96	Generator repairing i/c proving starter& replacment of its roter	P/Job		As & when required during 2016-17
97	Radiator repairing i/c replacement of Top & Bottom	P/Job		As & when required during 2016-17
98	F.I.P. collabration providing plunger, element, delivery valve etc	P/Job		As & when required during 2016-17
99	Fly Wheel repairing providing Gear & Bearing	P/Job		As & when required during 2016-17
100	Complete Auto wiring providing LT Wire sealed beam & indicators	P/Job		As & when required during 2016-17
101	Idler wheel repairing i/c replacement of shoft & Bushes	P/Job		As & when required during 2016-17
102	Repair of Seat by providing Rexion, Foam & spring etc	P/Job		As & when required during 2016-17
103	Repair of Carrier Roller providing shaft seal bearing& Bushs	P/Job		As & when required during 2016-17
104	Repair of Track Roller providing shaft seal bearing& Bushs and welding	P/Job		As & when required during 2016-17
105	Repair of oil cooler transmission i/c replacement of Gas kit , plug & washer etc	P/Job		As & when required during 2016-17
106	Sprocket wheel repairing welding & grinding	P/Job		As & when required during 2016-17



**LIST OF SPARE PARTS /JOB WORKS REQUIRED DURING THE YEAR 2016-2017**

**Isuzu Dump Truck.**

S.No.	Description.	Unit.	Rate.	Delivery Schedule (Shipment) in weeks/months
1	Piston required Size	Each		As & when required during 2016-17.
2	Piston Ring	P/Set		As & when required during 2016-17.
3	Piston Pin	P/Set		As & when required during 2016-17.
4	Piston Lock	P/Set		As & when required during 2016-17.
5	Linner	Each		As & when required during 2016-17.
6	Connecting Rod	Each		As & when required during 2016-17.
7	Connecting Bush	Each		As & when required during 2016-17.
8	Connecting Rod Nut & Bolt	Each		As & when required during 2016-17.
9	Came Shafit	Each		As & when required during 2016-17.
10	Came Shafit Bush	Each		As & when required during 2016-17.
11	Gas Kit	Each		As & when required during 2016-17.
12	Engined opverhauling Gaskit	Each		As & when required during 2016-17.
13	Main Bearing Required Size	P/Set		As & when required during 2016-17.
14	Big End Bearing required Size	P/Set		As & when required during 2016-17.
15	Main Oil Seal	Each		As & when required during 2016-17.
16	Rear Oil Seal	Each		As & when required during 2016-17.
17	Valve Inlet	Each		As & when required during 2016-17.
18	Valve Exhaust	Each		As & when required during 2016-17.
19	Valve Guide	Each		As & when required during 2016-17.
20	Ignation Switch	Each		As & when required during 2016-17.
21	Timing Belt	Each		As & when required during 2016-17.
22	Timing oil seal	Each		As & when required during 2016-17.
23	Fan Belt	Each		As & when required during 2016-17.
24	Oil Fillter	Each		As & when required during 2016-17.
25	Fuel Fillter Primary	Each		As & when required during 2016-17.
26	FUel Fillter Secondary	Each		As & when required during 2016-17.
27	Air Cleaner Fillter	Each		As & when required during 2016-17.
28	Clutch -plate	Each		As & when required during 2016-17.
29	Clutch Bearing	Each		As & when required during 2016-17.
30	Pressure Plate	Each		As & when required during 2016-17.
31	Fuel Pump Element	Each		As & when required during 2016-17.
32	Fuel Pump Delivery Valve	Each		As & when required during 2016-17.
33	Fuel Pump repair Kit	Each		As & when required during 2016-17.
34	Injector Asseembly	Each		As & when required during 2016-17.
35	Needle Nozzle	P/Set		As & when required during 2016-17.
36	Master Cylander complete	Each		As & when required during 2016-17.
37	Master Cylander Kit	Each		As & when required during 2016-17.
38	A .C Pump Complete	Each		As & when required during 2016-17.
39	AC Pump Kit	Each		As & when required during 2016-17.
40	Tie Rod end	Each		As & when required during 2016-17.
41	Axle	Each		As & when required during 2016-17.
42	Yoke end	Each		As & when required during 2016-17.
43	King Pin Bush	Each		As & when required during 2016-17.
44	King Pin	Each		As & when required during 2016-17.
45	Thrust Bearing	Each		As & when required during 2016-17.
46	Self Complete	Each		As & when required during 2016-17.
47	Gererator 24 Volt	Each		As & when required during 2016-17.
48	Head Light	Each		As & when required during 2016-17.

S.No.	Description.	Unit.	Rate.	Delivery Schedule (Shipment) in weeks/months
49	Oil Pump complete	Each		As & when required during 2016-17.
50	Oil Pump Kit	Each		As & when required during 2016-17.
51	Oil Peassure Gauge	Each		As & when required during 2016-17.
52	Oil Temperature Gauge	Each		As & when required during 2016-17.
53	Water Temperature Gauge	Each		As & when required during 2016-17.
54	Universal Cross	Each		As & when required during 2016-17.
55	Universal Joint repair Kit	Each		As & when required during 2016-17.
56	Water Filter	Each		As & when required during 2016-17.
57	Water Body complete	Each		As & when required during 2016-17.
58	Water body repair Kit	Each		As & when required during 2016-17.
59	Hub Oil Seal	Each		As & when required during 2016-17.
60	Wheel stud Nut	Each		As & when required during 2016-17.
61	Leaf spring	Each		As & when required during 2016-17.
62	Gear Foundation.	Each		As & when required during 2016-17.
63	Hydraulic pressure pipe large APS.	Each		As & when required during 2016-17.
64	Hydraulic pressure pipe small APS.	Each		As & when required during 2016-17.
65	Shock Obsorber Heavy duty.	Each		As & when required during 2016-17.
66	Wheel Bearing Inner	Each		As & when required during 2016-17.
67	Wheel Bearing Outer	Each		As & when required during 2016-17.
68	Rim	Each		As & when required during 2016-17.
69	Hydraulic Jack Cylinder Sealkit.	P/Kit.		As & when required during 2016-17.
70	Silencer complete.	Each		As & when required during 2016-17.
	<b>JOB WORK</b>			
71	Head Seat cutting re-facing & new valve fitting	P/Job		As & when required during 2016-17.
72	Block boring , Checking & alligment	P/Job		As & when required during 2016-17.
73	Came bush fitting	P/Job		As & when required during 2016-17.
74	Connecting Rod bush fitting	P/Job		As & when required during 2016-17.
75	Crank Shafit grinding & polishing to required size	P/Job		As & when required during 2016-17.
76	Sleeve fitting	P/Job		As & when required during 2016-17.
77	Self repairing I/C replacement of corban bush field coil etc	P/Job		As & when required during 2016-17.
78	Generato repairing i/c providing stater & rotor etc	P/Job		As & when required during 2016-17.
79	FIP Collabaratio prov plunger element delivery vave etc	P/Job		As & when required during 2016-17.
80	Radiator reaping clearing washing	P/Job		As & when required during 2016-17.
81	Raduiator reaping i/c repalcement of Top & Bottom	P/Job		As & when required during 2016-17.
82	Complete Auto wiring providing L T wire sealed beam etc	P/Job		As & when required during 2016-17.
83	Repair of seat by providing Rexion Foam & Spring etc	P/Job		As & when required during 2016-17.
84	Repair of Rear suspension by provinding leaf bush etc	P/Job		As & when required during 2016-17.
85	Repair of front suspension by provinding leaf bush etc	P/Job		As & when required during 2016-17.

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**LIST OF SPARE PARTS /JOB WORKS REQUIRED DURING THE YEAR 2016-2017**

**Luijong Loader**

<b>S.No.</b>	<b>Description.</b>	<b>Unit.</b>	<b>Rate.</b>	<b>Delivery Schedule (Shipment) in weeks/months</b>
1	Piston required Size	Each		As & when required during 2016-17.
2	Piston Ring	P/Set		As & when required during 2016-17.
3	Piston Pin	P/Set		As & when required during 2016-17.
4	Piston Lock	P/Set		As & when required during 2016-17.
5	Linner	Each		As & when required during 2016-17.
6	Connecting Rod	Each		As & when required during 2016-17.
7	Connecting Bush	Each		As & when required during 2016-17.
8	Connecting Rod Nut & Bolt	Each		As & when required during 2016-17.
9	Came Shafit	Each		As & when required during 2016-17.
10	Came Shafit Bush	Each		As & when required during 2016-17.
11	Gas Kit	Each		As & when required during 2016-17.
12	Engined opverhauling Gaskit	Each		As & when required during 2016-17.
13	Main Bearing Required Size	P/Set		As & when required during 2016-17.
14	Big End Bearing required Size	P/Set		As & when required during 2016-17.
15	Main Oil Seal	Each		As & when required during 2016-17.
16	Rear Oil Seal	Each		As & when required during 2016-17.
17	Valve Inlet	Each		As & when required during 2016-17.
18	Valve Exhaust	Each		As & when required during 2016-17.
19	Valve Guide	Each		As & when required during 2016-17.
20	Ignation Switch	Each		As & when required during 2016-17.
21	Timing Belt	Each		As & when required during 2016-17.
22	Timing oil seal	Each		As & when required during 2016-17.
23	Fan Belt	Each		As & when required during 2016-17.
24	Oil Fillter	Each		As & when required during 2016-17.
25	Fuel Fillter Primary	Each		As & when required during 2016-17.
26	FUel Fillter Secondary	Each		As & when required during 2016-17.
27	Air Cleaner Fillter	Each		As & when required during 2016-17.
28	Clutch -plate	Each		As & when required during 2016-17.
29	Clutch Bearing	Each		As & when required during 2016-17.
30	Pressure Plate	Each		As & when required during 2016-17.
31	Fuel Pump Element	Each		As & when required during 2016-17.
32	Fuel Pump Delivery Valve	Each		As & when required during 2016-17.
33	Fuel Pump repair Kit	Each		As & when required during 2016-17.
34	Injector Assemeby	Each		As & when required during 2016-17.
35	Needle Nozzle	P/Set		As & when required during 2016-17.
36	Master Cylender complete	Each		As & when required during 2016-17.
37	Master Cylender Kit	Each		As & when required during 2016-17.
38	A .C Pump Complete	Each		As & when required during 2016-17.
39	AC Pump Kit	Each		As & when required during 2016-17.
40	Tie Rod end	Each		As & when required during 2016-17.
41	Axle	Each		As & when required during 2016-17.
42	Yoke end	Each		As & when required during 2016-17.
43	King Pin Bush	Each		As & when required during 2016-17.
44	King Pin	Each		As & when required during 2016-17.
45	Thrust Bearing	Each		As & when required during 2016-17.
46	Self Complete	Each		As & when required during 2016-17.
47	Gererator 24 Volt	Each		As & when required during 2016-17.
48	Head Light	Each		As & when required during 2016-17.

S.No.	Description.	Unit.	Rate.	Delivery Schedule (Shipment) in weeks/months
49	Oil Pump complete	Each		As & when required during 2016-17.
50	Oil Pump Kit	Each		As & when required during 2016-17.
51	Rear Axle seal.	Each		As & when required during 2016-17.
52	Front Axle seal.	Each		As & when required during 2016-17.
53	Gear Box foundation.	Each		As & when required during 2016-17.
54	Universal Cross	Each		As & when required during 2016-17.
55	Universal Joint repair Kit	Each		As & when required during 2016-17.
56	Water Filter	Each		As & when required during 2016-17.
57	Water Body complete	Each		As & when required during 2016-17.
58	Water body repair Kit	Each		As & when required during 2016-17.
59	Hub Oil Seal	Each		As & when required during 2016-17.
60	Wheel stud Nut	Each		As & when required during 2016-17.
61	Hydraulic Pressure Pipe large size.	Each		As & when required during 2016-17.
62	Hydraulic Pressure Pipe large size.	Each		As & when required during 2016-17.
63	Jack Cylinder Seal Kit.	Each		As & when required during 2016-17.
64	Hydraulic Filter.	Each		As & when required during 2016-17.
65	Bucket Cylinder Sealkit.	Each		As & when required during 2016-17.
66	Wheel Bearing Inner	Each		As & when required during 2016-17.
67	Wheel Bearing Outer	Each		As & when required during 2016-17.
68	Left Cylinder Assembly seal 34C0151X1	Each		As & when required during 2016-17.
69	Left Cylinder Assembly seal 34C0151X1	Each		As & when required during 2016-17.
	<b>JOB WORK</b>			
70	Head Seat cutting re-facing & new valve fitting	P/Job		As & when required during 2016-17.
71	Block boring , Checking & alligment	P/Job		As & when required during 2016-17.
72	Came bush fitting	P/Job		As & when required during 2016-17.
73	Connecting Rod bush fitting	P/Job		As & when required during 2016-17.
74	Crank Shafit grinding & polishing to required size	P/Job		As & when required during 2016-17.
75	Sleeve fitting	P/Job		As & when required during 2016-17.
76	Self repairing I/C replacement of corban bush field coil etc	P/Job		As & when required during 2016-17.
77	Gererator repairing i/c providing stater & rotor etc	P/Job		As & when required during 2016-17.
78	FIP Collabaratio prov plunger element delivery vave etc	P/Job		As & when required during 2016-17.
79	Radiator reapingr clearing washing	P/Job		As & when required during 2016-17.
80	Raduiator reapingr i/c repalcement of Top & Bottom	P/Job		As & when required during 2016-17.
81	Complete Auto wiring providing L T wire sealed beam etc	P/Job		As & when required during 2016-17.
82	Repair of seat by providing Rexion Foam & Spring etc	P/Job		As & when required during 2016-17.

## LIST OF SPARE PARTS /JOB WORKS REQUIRED DURING THE YEAR 2016-2017

## Mack Tractor

S.No.	Description.	Unit.	Rate.	Delivery Schedule (Shipment) in weeks/months
1	Piston required Size	Each		As & when required during 2016-17.
2	Piston Ring	P/Set		As & when required during 2016-17.
3	Piston Pin	P/Set		As & when required during 2016-17.
4	Piston Lock	P/Set		As & when required during 2016-17.
5	Linner	Each		As & when required during 2016-17.
6	Connecting Rod	Each		As & when required during 2016-17.
7	Connecting Bush	Each		As & when required during 2016-17.
8	Connecting Rod Nut & Bolt	Each		As & when required during 2016-17.
9	Came Shafit	Each		As & when required during 2016-17.
10	Came Shafit Bush	Each		As & when required during 2016-17.
11	Gas Kit	Each		As & when required during 2016-17.
12	Engined opverhauling Gaskit	Each		As & when required during 2016-17.
13	Main Bearing Required Size	P/Set		As & when required during 2016-17.
14	Big End Bearing required Size	P/Set		As & when required during 2016-17.
15	Main Oil Seal	Each		As & when required during 2016-17.
16	Rear Oil Seal	Each		As & when required during 2016-17.
17	Valve Inlet	Each		As & when required during 2016-17.
18	Valve Exhaust	Each		As & when required during 2016-17.
19	Valve Guide	Each		As & when required during 2016-17.
20	Ignation Switch	Each		As & when required during 2016-17.
21	Timing Belt	Each		As & when required during 2016-17.
22	Timing oil seal	Each		As & when required during 2016-17.
23	Fan Belt	Each		As & when required during 2016-17.
24	Oil Fillter	Each		As & when required during 2016-17.
25	Fuel Fillter Primary	Each		As & when required during 2016-17.
26	FUel Fillter Secondary	Each		As & when required during 2016-17.
27	Air Cleaner Fillter	Each		As & when required during 2016-17.
28	Clutch -plate	Each		As & when required during 2016-17.
29	Clutch Bearing	Each		As & when required during 2016-17.
30	Pressure Plate	Each		As & when required during 2016-17.
31	Fuel Pump Element	Each		As & when required during 2016-17.
32	Fuel Pump Delivery Valve	Each		As & when required during 2016-17.
33	Fuel Pump repair Kit	Each		As & when required during 2016-17.
34	Injector Assebmly	Each		As & when required during 2016-17.
35	Needle Nozzle	P/Set		As & when required during 2016-17.
36	Master Cylender complete	Each		As & when required during 2016-17.
37	Master Cylender Kit	Each		As & when required during 2016-17.
38	A .C Pump Complete	Each		As & when required during 2016-17.
39	AC Pump Kit	Each		As & when required during 2016-17.
40	Tie Rod end	Each		As & when required during 2016-17.
41	Axle	Each		As & when required during 2016-17.
42	Yoke end	Each		As & when required during 2016-17.
43	King Pin Bush	Each		As & when required during 2016-17.
44	King Pin	Each		As & when required during 2016-17.
45	Thrust Bearing	Each		As & when required during 2016-17.
46	Self Complete	Each		As & when required during 2016-17.
47	Gererator 24 Volt	Each		As & when required during 2016-17.
48	Head Light	Each		As & when required during 2016-17.

S.No.	Description.	Unit.	Rate.	Delivery Schedule (Shipment) in weeks/months
49	Oil Pump complete	Each		As & when required during 2016-17.
50	Oil Pump Kit	Each		As & when required during 2016-17.
51	Oil Peassure Gauge	Each		As & when required during 2016-17.
52	Oil Temperature Gauge	Each		As & when required during 2016-17.
53	Water Temperature Gauge	Each		As & when required during 2016-17.
54	Universal Cross	Each		As & when required during 2016-17.
55	Universal Joint repair Kit	Each		As & when required during 2016-17.
56	Water Filter	Each		As & when required during 2016-17.
57	Water Body complete	Each		As & when required during 2016-17.
58	Water body repair Kit	Each		As & when required during 2016-17.
59	Hub Oil Seal	Each		As & when required during 2016-17.
60	Wheel stud Nut	Each		As & when required during 2016-17.
61	Leaf spring Main	Each		As & when required during 2016-17.
62	Leaf spring 2nd	Each		As & when required during 2016-17.
63	Leaf spring 3rd	Each		As & when required during 2016-17.
64	Leaf spring 4th	Each		As & when required during 2016-17.
65	Hanger	Each		As & when required during 2016-17.
66	Wheel Bearing Inner	Each		As & when required during 2016-17.
67	Wheel Bearing Outer	Each		As & when required during 2016-17.
68	Rim	Each		As & when required during 2016-17.
69	Back Light	Each		As & when required during 2016-17.
	<b>JOB WORK</b>			
70	Head Seat cutting re-facing & new valve fitting	P/Job		As & when required during 2016-17.
71	Block boring , Checking & alligment	P/Job		As & when required during 2016-17.
72	Came bush fitting	P/Job		As & when required during 2016-17.
73	Connecting Rod bush fitting	P/Job		As & when required during 2016-17.
74	Sleeve fitting	P/Job		As & when required during 2016-17.
75	Repair of Rear suspension by provinding leaf bush etc	P/Job		As & when required during 2016-17.
76	Repair of front suspension by provinding leaf bush etc	P/Job		As & when required during 2016-17.
77	Self repairing I/C replacement of corban bush field coil etc	P/Job		As & when required during 2016-17.
78	FIP Collabaratio prov plunger element delivery vave etc	P/Job		As & when required during 2016-17.
79	Trolly booster repair by provinding seal kit	P/Job		As & when required during 2016-17.
80	Radiator reapinging i/c repalcement of Top & Bottom	P/Job		As & when required during 2016-17.
81	Complete Auto wiring providing L T wire sealed beam etc	P/Job		As & when required during 2016-17.
82	Prime mover booster repiar by providing seal kit	P/Job		As & when required during 2016-17.
83	Generato repairing i/c providing stater & rotor etc			

## LIST OF SPARE PARTS /JOB WORKS REQUIRED DURING THE YEAR 2016-2017

## Daweoo Trailor

S.No.	Description.	Unit.	Rate.	Delivery Schedule (Shipment) in weeks/months
1	Fan Belt	Each		As & when required during 2016-17.
2	Oil Fillter	Each		As & when required during 2016-17.
3	Fuel Fillter Primary	Each		As & when required during 2016-17.
4	FUEL Fillter Secondary	Each		As & when required during 2016-17.
5	Air Cleaner Filter	Each		As & when required during 2016-17.
6	Clutch -plate	Each		As & when required during 2016-17.
7	Clutch Bearing	Each		As & when required during 2016-17.
8	Pressure Plate	Each		As & when required during 2016-17.
9	Fuel Pump Element	Each		As & when required during 2016-17.
10	Fuel Pump Delivery Valve	Each		As & when required during 2016-17.
11	Fuel Pump repair Kit	Each		As & when required during 2016-17.
12	Injector Assemebly	Each		As & when required during 2016-17.
13	Needle Nozzle	P/Set		As & when required during 2016-17.
14	Master Cylander complete	Each		As & when required during 2016-17.
15	Master Cylander Kit	Each		As & when required during 2016-17.
16	A .C Pump Complete	Each		As & when required during 2016-17.
17	AC Pump Kit	Each		As & when required during 2016-17.
18	Tie Rod end	Each		As & when required during 2016-17.
19	Axle	Each		As & when required during 2016-17.
20	Yoke end	Each		As & when required during 2016-17.
21	King Pin Bush	Each		As & when required during 2016-17.
22	King Pin	Each		As & when required during 2016-17.
23	Thrust Bearing	Each		As & when required during 2016-17.
24	Self Complete	Each		As & when required during 2016-17.
25	Gererator 24 Volt	Each		As & when required during 2016-17.
26	Booster Complete	Each		As & when required during 2016-17.
27	String Bush	Each		As & when required during 2016-17.
28	Wheel Oil Seal	Each		As & when required during 2016-17.
29	Brake Shoe	Each		As & when required during 2016-17.
30	Brake Linning	Each		As & when required during 2016-17.
31	Brake leather	Each		As & when required during 2016-17.
32	Head Light	Each		As & when required during 2016-17.
33	Oil Pump complete	Each		As & when required during 2016-17.
34	Oil Pump Kit	Each		As & when required during 2016-17.
35	Oil Peassure Gauge	Each		As & when required during 2016-17.
36	Oil Temperature Gauge	Each		As & when required during 2016-17.
37	Water Temperature Gauge	Each		As & when required during 2016-17.
38	Universal Cross	Each		As & when required during 2016-17.
39	Universal Joint repair Kit	Each		As & when required during 2016-17.
40	Water Filter	Each		As & when required during 2016-17.
41	Water Body complete	Each		As & when required during 2016-17.
42	Water body repair Kit	Each		As & when required during 2016-17.
43	Hub Oil Seal	Each		As & when required during 2016-17.
44	Wheel stud Nut	Each		As & when required during 2016-17.
45	Leaf spring Main	Each		As & when required during 2016-17.
46	Leaf spring 2nd	Each		As & when required during 2016-17.
47	Leaf spring 3rd	Each		As & when required during 2016-17.
48	Leaf spring 4th	Each		As & when required during 2016-17.
49	Hanger	Each		As & when required during 2016-17.
50	Wheel Bearing Inner	Each		As & when required during 2016-17.
51	Wheel Bearing Outer	Each		As & when required during 2016-17.
52	Rim	Each		As & when required during 2016-17.
53	Back Light	Each		As & when required during 2016-17.

S.No.	Description.	Unit.	Rate.	Delivery Schedule (Shipment) in weeks/months
<b>JOB WORK</b>				
54	Head Seat cutting re-facing & new valve fitting	P/Job		As & when required during 2016-17.
55	Block boring , Checking & alligment	P/Job		As & when required during 2016-17.
56	Came bush fitting	P/Job		As & when required during 2016-17.
57	Connecting Rod bush fitting	P/Job		As & when required during 2016-17.
58	Sleeve fitting	P/Job		As & when required during 2016-17.
59	Repair of Rear suspension by provinding leaf bush etc	P/Job		As & when required during 2016-17.
60	Repair of front suspension by provinding leaf bush etc	P/Job		As & when required during 2016-17.
61	Self repairing I/C replacement of corban bush field coil etc	P/Job		As & when required during 2016-17.
62	FIP Collabaratio prov plunger element delivery vave etc	P/Job		As & when required during 2016-17.
63	Trolly booster repair by provinding seal kit	P/Job		As & when required during 2016-17.
64	Radiator reapinging i/c repalcement of Top & Bottom	P/Job		As & when required during 2016-17.
65	Complete Auto wiring providing L T wire sealed beam etc	P/Job		As & when required during 2016-17.
66	Prime mover booster repiar by providing seal kit	P/Job		As & when required during 2016-17.
67	Generater repairing i/c providing stater & rotor etc	P/Job		As & when required during 2016-17.



*H.C.*



**LIST OF SPARE PARTS /JOB WORKS REQUIRED DURING THE YEAR 2016-2017**

**Isuzu Truck / Tanker.**

S.No.	Description.	Unit.	Rate.	Delivery Schedule (Shipment) in weeks/months
1	Piston required Size	Each		As & when required during 2016-17.
2	Piston Ring	P/Set		As & when required during 2016-17.
3	Piston Pin	P/Set		As & when required during 2016-17.
4	Piston Lock	P/Set		As & when required during 2016-17.
5	Linner	Each		As & when required during 2016-17.
6	Connecting Rod	Each		As & when required during 2016-17.
7	Connecting Bush	Each		As & when required during 2016-17.
8	Connecting Rod Nut & Bolt	Each		As & when required during 2016-17.
9	Came Shafit	Each		As & when required during 2016-17.
10	Came Shafit Bush	Each		As & when required during 2016-17.
11	Gas Kit	Each		As & when required during 2016-17.
12	Engined opverhauling Gaskit	Each		As & when required during 2016-17.
13	Main Bearing Required Size	P/Set		As & when required during 2016-17.
14	Big End Bearing required Size	P/Set		As & when required during 2016-17.
15	Main Oil Seal	Each		As & when required during 2016-17.
16	Rear Oil Seal	Each		As & when required during 2016-17.
17	Valve Inlet	Each		As & when required during 2016-17.
18	Valve Exhaust	Each		As & when required during 2016-17.
19	Valve Guide	Each		As & when required during 2016-17.
20	Ignation Switch	Each		As & when required during 2016-17.
21	Timing Belt	Each		As & when required during 2016-17.
22	Timing oil seal	Each		As & when required during 2016-17.
23	Fan Belt	Each		As & when required during 2016-17.
24	Oil Fillter	Each		As & when required during 2016-17.
25	Fuel Fillter Primary	Each		As & when required during 2016-17.
26	FUel Fillter Secondary	Each		As & when required during 2016-17.
27	Air Cleaner Fillter	Each		As & when required during 2016-17.
28	Clutch -plate	Each		As & when required during 2016-17.
29	Clutch Bearing	Each		As & when required during 2016-17.
30	Pressure Plate	Each		As & when required during 2016-17.
31	Fuel Pump Element	Each		As & when required during 2016-17.
32	Fuel Pump Delivery Valve	Each		As & when required during 2016-17.
33	Fuel Pump repair Kit	Each		As & when required during 2016-17.
34	Injector Assemebly	Each		As & when required during 2016-17.
35	Needle Nozzle	P/Set		As & when required during 2016-17.
36	Master Cylender complete	Each		As & when required during 2016-17.
37	Master Cylender Kit	Each		As & when required during 2016-17.
38	A . C Pump Complete	Each		As & when required during 2016-17.
39	AC Pump Kit	Each		As & when required during 2016-17.
40	Tie Rod end	Each		As & when required during 2016-17.
41	Axle	Each		As & when required during 2016-17.
42	Yoke end	Each		As & when required during 2016-17.
43	King Pin Bush	Each		As & when required during 2016-17.
44	King Pin	Each		As & when required during 2016-17.
45	Thrust Bearing	Each		As & when required during 2016-17.
46	Self Complete	Each		As & when required during 2016-17.
47	Generatior 24 Volt	Each		As & when required during 2016-17.
48	Head Light	Each		As & when required during 2016-17.

S.No.	Description.	Unit.	Rate.	Delivery Schedule (Shipment) in weeks/months
49	Oil Pump complete	Each		As & when required during 2016-17.
50	Oil Pump Kit	Each		As & when required during 2016-17.
51	Oil Peassure Gauge	Each		As & when required during 2016-17.
52	Oil Temperature Gauge	Each		As & when required during 2016-17.
53	Water Temperature Gauge	Each		As & when required during 2016-17.
54	Universal Cross	Each		As & when required during 2016-17.
55	Universal Joint repair Kit	Each		As & when required during 2016-17.
56	Water Filter	Each		As & when required during 2016-17.
57	Water Body complete	Each		As & when required during 2016-17.
58	Water body repair Kit	Each		As & when required during 2016-17.
59	Hub Oil Seal	Each		As & when required during 2016-17.
60	Wheel stud Nut	Each		As & when required during 2016-17.
61	Leaf spring Main	Each		As & when required during 2016-17.
62	Leaf spring 2nd	Each		As & when required during 2016-17.
63	Leaf spring 3rd	Each		As & when required during 2016-17.
64	Leaf spring 4th	Each		As & when required during 2016-17.
65	Hanger	Each		As & when required during 2016-17.
66	Wheel Bearing Inner	Each		As & when required during 2016-17.
67	Wheel Bearing Outer	Each		As & when required during 2016-17.
68	Rim	Each		As & when required during 2016-17.
69	Central Bearing	Each		As & when required during 2016-17.
	<b>JOB WORK</b>			
70	Head Seat cutting re-facing & new valve fitting	P/Job		As & when required during 2016-17.
71	Block boring , Checking & alligment	P/Job		As & when required during 2016-17.
72	Cam bush fitting	P/Job		As & when required during 2016-17.
73	Connecting Rod bush fitting	P/Job		As & when required during 2016-17.
74	Crank Shaft grinding & polishing to required size	P/Job		As & when required during 2016-17.
75	Sleeve fitting	P/Job		As & when required during 2016-17.
76	Self repairing I/C replacement of corban bush field coil etc	P/Job		As & when required during 2016-17.
77	Gererator repairing i/c providing stater & rotor etc	P/Job		As & when required during 2016-17.
78	FIP Collabaratio prov plunger element delivery vave etc	P/Job		As & when required during 2016-17.
79	Radiator reapingr clearing washing	P/Job		As & when required during 2016-17.
80	Raduiator reapingr i/c repalcement of Top & Bottom	P/Job		As & when required during 2016-17.
81	Complete Auto wiring providing L T wire sealed beam etc	P/Job		As & when required during 2016-17.
82	Repair of seat by providing Rexion Foam & Spring etc	P/Job		As & when required during 2016-17.
83	Repair of Rear suspension by provinding leaf bush etc	P/Job		As & when required during 2016-17.
84	Repair of front suspensio by provinding leaf bush etc	P/Job		As & when required during 2016-17.



**LIST OF SPARE PARTS /JOB WORKS REQUIRED DURING THE YEAR 2016-2017**

**Mitsubishi Truck / Tanker.**

S.No.	Description.	Unit.	Rate.	Delivery Schedule (Shipment) in weeks/months
1	Piston required Size	Each		As & when required during 2016-17.
2	Piston Ring	P/Set		As & when required during 2016-17.
3	Piston Pin	P/Set		As & when required during 2016-17.
4	Piston Lock	P/Set		As & when required during 2016-17.
5	Linner	Each		As & when required during 2016-17.
6	Connecting Rod	Each		As & when required during 2016-17.
7	Connecting Bush	Each		As & when required during 2016-17.
8	Connecting Rod Nut & Bolt	Each		As & when required during 2016-17.
9	Came Shafit	Each		As & when required during 2016-17.
10	Came Shafit Bush	Each		As & when required during 2016-17.
11	Gas Kit	Each		As & when required during 2016-17.
12	Engined opverhauling Gaskit	Each		As & when required during 2016-17.
13	Main Bearing Required Size	P/Set		As & when required during 2016-17.
14	Big End Bearing required Size	P/Set		As & when required during 2016-17.
15	Main Oil Seal	Each		As & when required during 2016-17.
16	Rear Oil Seal	Each		As & when required during 2016-17.
17	Valve Inlet	Each		As & when required during 2016-17.
18	Valve Exhaust	Each		As & when required during 2016-17.
19	Valve Guide	Each		As & when required during 2016-17.
20	Ignation Switch	Each		As & when required during 2016-17.
21	Timing Belt	Each		As & when required during 2016-17.
22	Timing oil seal	Each		As & when required during 2016-17.
23	Fan Belt	Each		As & when required during 2016-17.
24	Oil Fillter	Each		As & when required during 2016-17.
25	Fuel Fillter Primary	Each		As & when required during 2016-17.
26	FUel Fillter Secondary	Each		As & when required during 2016-17.
27	Air Cleaner Fillter	Each		As & when required during 2016-17.
28	Clutch -plate	Each		As & when required during 2016-17.
29	Clutch Bearing	Each		As & when required during 2016-17.
30	Pressure Plate	Each		As & when required during 2016-17.
31	Fuel Pump Element	Each		As & when required during 2016-17.
32	Fuel Pump Delivery Valve	Each		As & when required during 2016-17.
33	Fuel Pump repair Kit	Each		As & when required during 2016-17.
34	Injector Asseembly	Each		As & when required during 2016-17.
35	Needle Nozzle	P/Set		As & when required during 2016-17.
36	Master Cylander complete	Each		As & when required during 2016-17.
37	Master Cylander Kit	Each		As & when required during 2016-17.
38	A .C Pump Complete	Each		As & when required during 2016-17.
39	AC Pump Kit	Each		As & when required during 2016-17.
40	Tie Rod end	Each		As & when required during 2016-17.
41	Axle	Each		As & when required during 2016-17.
42	Yoke end	Each		As & when required during 2016-17.
43	King Pin Bush	Each		As & when required during 2016-17.
44	King Pin	Each		As & when required during 2016-17.
45	Thrust Bearing	Each		As & when required during 2016-17.
46	Self Complete	Each		As & when required during 2016-17.
47	Generater 24 Volt	Each		As & when required during 2016-17.
48	Head Light	Each		As & when required during 2016-17.

S.No.	Description.	Unit.	Rate.	Delivery Schedule (Shipment) in weeks/months
49	Oil Pump complete	Each		As & when required during 2016-17.
50	Oil Pump Kit	Each		As & when required during 2016-17.
51	Oil Peassure Gauge	Each		As & when required during 2016-17.
52	Oil Temperature Gauge	Each		As & when required during 2016-17.
53	Water Temperature Gauge	Each		As & when required during 2016-17.
54	Universal Cross	Each		As & when required during 2016-17.
55	Universal Joint repair Kit	Each		As & when required during 2016-17.
56	Water Filter	Each		As & when required during 2016-17.
57	Water Body complete	Each		As & when required during 2016-17.
58	Water body repair Kit	Each		As & when required during 2016-17.
59	Hub Oil Seal	Each		As & when required during 2016-17.
60	Wheel stud Nut	Each		As & when required during 2016-17.
61	Leaf spring Main	Each		As & when required during 2016-17.
62	Leaf spring 2nd	Each		As & when required during 2016-17.
63	Leaf spring 3rd	Each		As & when required during 2016-17.
64	Leaf spring 4th	Each		As & when required during 2016-17.
65	Thurst Bearing	Each		As & when required during 2016-17.
66	Wheel Bearing Inner	Each		As & when required during 2016-17.
67	Wheel Bearing Outer	Each		As & when required during 2016-17.
68	Rim	Each		As & when required during 2016-17.
69	Wheel Oil Seal	Each		As & when required during 2016-17.
	<b>JOB WORK</b>			
70	Head Seat cutting re-facing & new valve fitting	P/Job		As & when required during 2016-17.
71	Block boring , Checking & alligment	P/Job		As & when required during 2016-17.
72	Came bush fitting	P/Job		As & when required during 2016-17.
73	Connecting Rod bush fitting	P/Job		As & when required during 2016-17.
74	Crank Shafit grinding & polishing to required size	P/Job		As & when required during 2016-17.
75	Sleeve fitting	P/Job		As & when required during 2016-17.
76	Self repairing I/c replacement of corban bush field coil etc	P/Job		As & when required during 2016-17.
77	Generato repairing i/c providing stater & rotor etc	P/Job		As & when required during 2016-17.
78	FIP Collabaratio prov plunger element delivery vave etc	P/Job		As & when required during 2016-17.
79	Radiator reapingir clearing washing	P/Job		As & when required during 2016-17.
80	Raduiator reapingir i/c repalcement of Top & Bottom	P/Job		As & when required during 2016-17.
81	Complete Auto wiring providing L T wire sealed beam etc	P/Job		As & when required during 2016-17.
82	Repair of seat by providing Rexion Foam & Spring etc	P/Job		As & when required during 2016-17.



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## LIST OF SPARE PARTS /JOB WORKS REQUIRED DURING THE YEAR 2016-2017

Nisan Crane

S.No.	Description.	Unit.	Rate.	Delivery Schedule (Shipment) in weeks/months
1	Piston required Size	Each		As & when required during 2016-17.
2	Piston Ring	P/Set		As & when required during 2016-17.
3	Piston Pin	P/Set		As & when required during 2016-17.
4	Piston Lock	P/Set		As & when required during 2016-17.
5	Linner	Each		As & when required during 2016-17.
6	Connecting Rod	Each		As & when required during 2016-17.
7	Connecting Bush	Each		As & when required during 2016-17.
8	Connecting Rod Nut & Bolt	Each		As & when required during 2016-17.
9	Came Shafit	Each		As & when required during 2016-17.
10	Came Shafit Bush	Each		As & when required during 2016-17.
11	Gas Kit	P/Kit.		As & when required during 2016-17.
12	Engined opverhauling Gaskit	P/Kit.		As & when required during 2016-17.
13	Main Bearing Required Size	P/Set		As & when required during 2016-17.
14	Big End Bearing required Size	P/Set		As & when required during 2016-17.
15	Main Oil Seal	Each		As & when required during 2016-17.
16	Rear Oil Seal	Each		As & when required during 2016-17.
17	Valve Inlet	Each		As & when required during 2016-17.
18	Valve Exhaust	Each		As & when required during 2016-17.
19	Valve Guide	Each		As & when required during 2016-17.
20	Ignation Switch	Each		As & when required during 2016-17.
21	Timing Belt	Each		As & when required during 2016-17.
22	Timing oil seal	Each		As & when required during 2016-17.
23	Fan Belt	Each		As & when required during 2016-17.
24	Clutch -plate	Each		As & when required during 2016-17.
25	Clutch Bearing	Each		As & when required during 2016-17.
26	Pressure Plate	Each		As & when required during 2016-17.
27	Air Cleaner Fillter	Each		As & when required during 2016-17.
28	Oil Fillter	Each		As & when required during 2016-17.
29	Fuel Fillter Primary	Each		As & when required during 2016-17.
30	FUel Fillter Secondary	Each		As & when required during 2016-17.
31	Fuel Pump Element	Each		As & when required during 2016-17.
32	Fuel Pump Delivery Valve	Each		As & when required during 2016-17.
33	Fuel Pump repair Kit	Each		As & when required during 2016-17.
34	Injector Assemebly	Each		As & when required during 2016-17.
35	Needle Nozzle	P/Set		As & when required during 2016-17.
36	Master Cylender complete	Each		As & when required during 2016-17.
37	Master Cylender Kit	P/Kit.		As & when required during 2016-17.
38	A .C Pump Complete	Each		As & when required during 2016-17.
39	AC Pump Kit	Each		As & when required during 2016-17.
40	Tie Rod end	Each		As & when required during 2016-17.
41	Axle	Each		As & when required during 2016-17.
42	Yoke end	Each		As & when required during 2016-17.
43	King Pin Bush	Each		As & when required during 2016-17.
44	King Pin	Each		As & when required during 2016-17.
45	Thrust Bearing	Each		As & when required during 2016-17.
46	Self Complete	Each		As & when required during 2016-17.
47	Generators 24 Volt	Each		As & when required during 2016-17.
48	Head Light	Each		As & when required during 2016-17.
49	Oil Pump complete	Each		As & when required during 2016-17.

S.No.	Description.	Unit.	Rate.	Delivery Schedule (Shipment) in weeks/months
50	Oil Pump Kit	Each		As & when required during 2016-17.
51	Oil Peassure Gauge	Each		As & when required during 2016-17.
52	Oil Temperature Gauge	Each		As & when required during 2016-17.
53	Water Temperature Gauge	Each		As & when required during 2016-17.
54	Universal Cross	Each		As & when required during 2016-17.
55	Universal Joint repair Kit	P/Kit.		As & when required during 2016-17.
56	Water Filter	Each		As & when required during 2016-17.
57	Water Body complete	Each		As & when required during 2016-17.
58	Water body repair Kit	P/Kit.		As & when required during 2016-17.
59	Hub Oil Seal	Each		As & when required during 2016-17.
60	Wheel stud Nut	Each		As & when required during 2016-17.
61	Leaf spring Main	Each		As & when required during 2016-17.
62	Leaf spring 2nd	Each		As & when required during 2016-17.
63	Leaf spring 3rd	Each		As & when required during 2016-17.
64	Leaf spring 4th	Each		As & when required during 2016-17.
65	Hanger	Each		As & when required during 2016-17.
66	Wheel Bearing Inner	Each		As & when required during 2016-17.
67	Wheel Bearing Outer	Each		As & when required during 2016-17.
68	Rim	Each		As & when required during 2016-17.
69	Back Light	Each		As & when required during 2016-17.
	<b>JOB WORK</b>			
70	Head Seat cutting re-facing & new valve fitting	P/Job		As & when required during 2016-17.
71	Block boring , Checking & alligment	P/Job		As & when required during 2016-17.
72	Came bush fitting	P/Job		As & when required during 2016-17.
73	Connecting Rod bush fitting	P/Job		As & when required during 2016-17.
74	Crank Shafit grinding & polishing to required size	P/Job		As & when required during 2016-17.
75	Sleeve fitting	P/Job		As & when required during 2016-17.
76	Self repairing I/C replacement of corban bush field coil etc	P/Job		As & when required during 2016-17.
77	Generater repairing i/c providing stater & rotor etc	P/Job		As & when required during 2016-17.
78	FIP Collabaratio prov plunger element delivery vave etc	P/Job		As & when required during 2016-17.
79	Radiator reaping clearing washing	P/Job		As & when required during 2016-17.
80	Raduiator reaping i/c replacment of Top & Bottom	P/Job		As & when required during 2016-17.
81	Complete Auto wiring providing L T wire sealed beam etc	P/Job		As & when required during 2016-17.
82	Repair of seat by providing Rexion Foam & Spring etc	P/Job		As & when required during 2016-17.

**LIST OF SPARE PARTS /JOB WORKS REQUIRED DURING THE YEAR 2016-2017**

**Bed Ford Truck**

<b>S.No.</b>	<b>Description.</b>	<b>Unit.</b>	<b>Rate.</b>	<b>Delivery Schedule (Shipment) in weeks/months</b>
1	Piston required Size	Each		As & when required during 2016-17.
2	Piston Ring	P/Set		As & when required during 2016-17.
3	Piston Pin	P/Set		As & when required during 2016-17.
4	Piston Lock	P/Set		As & when required during 2016-17.
5	Sleeve	Each		As & when required during 2016-17.
6	Connecting Rod	Each		As & when required during 2016-17.
7	Connecting Bush	Each		As & when required during 2016-17.
8	Connecting Rod Nut & Bolt	Each		As & when required during 2016-17.
9	Came Shafit Bush	Each		As & when required during 2016-17.
10	Gas Kit	Each		As & when required during 2016-17.
11	Engined opverhauling Gaskit	Each		As & when required during 2016-17.
12	Main Bearing Required Size	P/Set		As & when required during 2016-17.
13	Big End Bearing required Size	P/Set		As & when required during 2016-17.
14	Main Oil Seal	Each		As & when required during 2016-17.
15	Rear Oil Seal	Each		As & when required during 2016-17.
16	Valve Inlet	Each		As & when required during 2016-17.
17	Valve Exhaust	Each		As & when required during 2016-17.
18	Valve Guide	Each		As & when required during 2016-17.
19	Fan Belt	Each		As & when required during 2016-17.
20	Oil Fillter	Each		As & when required during 2016-17.
21	Fuel Fillter Primary	Each		As & when required during 2016-17.
22	FUel Fillter Secondary	Each		As & when required during 2016-17.
23	Air Cleaner Fillter	Each		As & when required during 2016-17.
24	Clutch -plate	Each		As & when required during 2016-17.
25	Clutch Bearing	Each		As & when required during 2016-17.
26	Pressure Plate	Each		As & when required during 2016-17.
27	Fuel Pump Element	Each		As & when required during 2016-17.
28	Fuel Pump Delivery Valve	Each		As & when required during 2016-17.
29	Fuel Pump repair Kit	Each		As & when required during 2016-17.
30	Injector Asseembly	Each		As & when required during 2016-17.
31	Needle Nozzle	P/Set		As & when required during 2016-17.
32	Master Cylander complete	Each		As & when required during 2016-17.
33	Master Cylander Kit	Each		As & when required during 2016-17.
34	A . C Pump Complete	Each		As & when required during 2016-17.
35	AC Pump Kit	Each		As & when required during 2016-17.
36	Tie Rod end	Each		As & when required during 2016-17.
37	Axle	Each		As & when required during 2016-17.
38	Yoke end	Each		As & when required during 2016-17.
39	King Pin Bush	Each		As & when required during 2016-17.
40	King Pin	Each		As & when required during 2016-17.
41	Thrust Bearing	Each		As & when required during 2016-17.
42	Head Light	Each		As & when required during 2016-17.
43	Oil Pump complete	Each		As & when required during 2016-17.
44	Oil Pump Kit	Each		As & when required during 2016-17.
45	Universal Cross	Each		As & when required during 2016-17.
46	Water Body complete	Each		As & when required during 2016-17.
47	Water body repair Kit	Each		As & when required during 2016-17.
48	Hub Oil Seal	Each		As & when required during 2016-17.
49	Wheel stud Nut	Each		As & when required during 2016-17.
50	Leaf spring Main	Each		As & when required during 2016-17.
51	Hanger	Each		As & when required during 2016-17.
52	Wheel Bearing Inner	Each		As & when required during 2016-17.
53	Wheel Bearing Outer	Each		As & when required during 2016-17.
54	Rim	Each		As & when required during 2016-17.

S.No.	Description.	Unit.	Rate.	Delivery Schedule (Shipment) in weeks/months
<b>JOB WORK</b>				
55	Head Seat cutting re-facing & new valve fitting	P/Job		As & when required during 2016-17.
56	Block boring , Checking & alligment	P/Job		As & when required during 2016-17.
57	Came bush fitting	P/Job		As & when required during 2016-17.
58	Connecting Rod bush fitting	P/Job		As & when required during 2016-17.
59	Crank Shafit grinding & polishing to required size	P/Job		As & when required during 2016-17.
60	Sleeve fitting	P/Job		As & when required during 2016-17.
61	Self repairing I/C replacement of corban bush field coil etc	P/Job		As & when required during 2016-17.
62	Generato repairing i/c providing stater & rotor etc	P/Job		As & when required during 2016-17.
63	FIP Collabaratio prov plunger element delivery vave etc	P/Job		As & when required during 2016-17.
64	Radiator reaping clearing washing	P/Job		As & when required during 2016-17.
65	Raduiator reaping i/c repalcement of Top & Bottom	P/Job		As & when required during 2016-17.
66	Complete Auto wiring providing L T wire sealed beam etc	P/Job		As & when required during 2016-17.
67	Repair of seat by providing Rexion Foam & Spring etc	P/Job		As & when required during 2016-17.



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**LIST OF SPARE PARTS /JOB WORKS REQUIRED DURING THE YEAR 2016-2017**

**Toyota Pick up**

<b>S.No.</b>	<b>Description.</b>	<b>Unit.</b>	<b>Rate.</b>	<b>Delivery Schedule (Shipment) in weeks/months</b>
1	Piston required Size	Each		As & when required during 2016-17.
2	Piston Ring	P/Set		As & when required during 2016-17.
3	Piston Pin	P/Set		As & when required during 2016-17.
4	Piston Lock	P/Set		As & when required during 2016-17.
5	Linner	Each		As & when required during 2016-17.
6	Connecting Rod	Each		As & when required during 2016-17.
7	Connecting Bush	Each		As & when required during 2016-17.
8	Connecting Rod Nut & Bolt	Each		As & when required during 2016-17.
9	Came Shafit	Each		As & when required during 2016-17.
10	Came Shafit Bush	Each		As & when required during 2016-17.
11	Gas Kit	Each		As & when required during 2016-17.
12	Engined opverhauling Gaskit	Each		As & when required during 2016-17.
13	Main Bearing Required Size	P/Set		As & when required during 2016-17.
14	Big End Bearing required Size	P/Set		As & when required during 2016-17.
15	Main Oil Seal	Each		As & when required during 2016-17.
16	Rear Oil Seal	Each		As & when required during 2016-17.
17	Valve Inlet	Each		As & when required during 2016-17.
18	Valve Exhaust	Each		As & when required during 2016-17.
19	Valve Guide	Each		As & when required during 2016-17.
20	Ignation Switch	Each		As & when required during 2016-17.
21	Timing Belt	Each		As & when required during 2016-17.
22	Timing oil seal	Each		As & when required during 2016-17.
23	Fan Belt	Each		As & when required during 2016-17.
24	Oil Fillter	Each		As & when required during 2016-17.
25	Fuel Fillter Primary	Each		As & when required during 2016-17.
26	FUel Fillter Secondary	Each		As & when required during 2016-17.
27	Air Cleaner Fillter	Each		As & when required during 2016-17.
28	Clutch -plate	Each		As & when required during 2016-17.
29	Clutch Bearing	Each		As & when required during 2016-17.
30	Pressure Plate	Each		As & when required during 2016-17.
31	Fuel Pump Element	Each		As & when required during 2016-17.
32	Fuel Pump Delivery Valve	Each		As & when required during 2016-17.
33	Fuel Pump repair Kit	Each		As & when required during 2016-17.
34	Injector Asseembly	Each		As & when required during 2016-17.
35	Needle Nozzle	P/Set		As & when required during 2016-17.
36	Master Cylender complete	Each		As & when required during 2016-17.
37	Master Cylender Kit	Each		As & when required during 2016-17.
38	A .C Pump Complete	Each		As & when required during 2016-17.
39	AC Pump Kit	Each		As & when required during 2016-17.
40	Tie Rod end	Each		As & when required during 2016-17.
41	Axle	Each		As & when required during 2016-17.
42	Yoke end	Each		As & when required during 2016-17.
43	King Pin Bush	Each		As & when required during 2016-17.
44	King Pin	Each		As & when required during 2016-17.
45	Thrust Bearing	Each		As & when required during 2016-17.
46	Self Complete	Each		As & when required during 2016-17.
47	Generator 24 Volt	Each		As & when required during 2016-17.
48	Head Light	Each		As & when required during 2016-17.

S.No.	Description.	Unit.	Rate.	Delivery Schedule (Shipment) in weeks/months
49	Oil Pump complete	Each		As & when required during 2016-17.
50	Oil Pump Kit	Each		As & when required during 2016-17.
51	Oil Peassure Gauge	Each		As & when required during 2016-17.
52	Oil Temperature Gauge	Each		As & when required during 2016-17.
53	Water Temperature Gauge	Each		As & when required during 2016-17.
54	Universal Cross	Each		As & when required during 2016-17.
55	Universal Joint repair Kit	Each		As & when required during 2016-17.
56	Water Filter	Each		As & when required during 2016-17.
57	Water Body complete	Each		As & when required during 2016-17.
58	Water body repair Kit	Each		As & when required during 2016-17.
59	Hub Oil Seal	Each		As & when required during 2016-17.
60	Wheel stud Nut	Each		As & when required during 2016-17.
61	Leaf spring Main	Each		As & when required during 2016-17.
62	Leaf spring 2nd	Each		As & when required during 2016-17.
63	Leaf spring 3rd	Each		As & when required during 2016-17.
64	Leaf spring 4th	Each		As & when required during 2016-17.
65	Hanger	Each		As & when required during 2016-17.
66	Wheel Bearing Inner	Each		As & when required during 2016-17.
67	Wheel Bearing Outer	Each		As & when required during 2016-17.
68	Rim	Each		As & when required during 2016-17.
69	Back Light	Each		As & when required during 2016-17.
	<b>JOB WORK</b>			
70	Head Seat cutting re-facing & new valve fitting	P/Job		As & when required during 2016-17.
71	Block boring , Checking & alligment	P/Job		As & when required during 2016-17.
72	Came bush fitting	P/Job		As & when required during 2016-17.
73	Connecting Rod bush fitting	P/Job		As & when required during 2016-17.
74	Crank Shaft grinding & polishing to required size	P/Job		As & when required during 2016-17.
75	Sleeve fitting	P/Job		As & when required during 2016-17.
76	Self repairing I/C replacement of corban bush field coil etc	P/Job		As & when required during 2016-17.
77	Generator repairing i/c providing stater & rotor etc	P/Job		As & when required during 2016-17.
78	FIP Collabaratio prov plunger element delivery vave etc	P/Job		As & when required during 2016-17.
79	Radiator reapingr clearing washing	P/Job		As & when required during 2016-17.
80	Raduiator reapingr i/c repalcement of Top & Bottom	P/Job		As & when required during 2016-17.
81	Complete Auto wiring providing L T wire sealed beam etc	P/Job		As & when required during 2016-17.
82	Repair of seat by providing Rexion Foam & Spring etc	P/Job		As & when required during 2016-17.
83	Repair of Rear suspension by provinding leaf bush etc	P/Job		As & when required during 2016-17.
84	Repair of front suspension by provinding leaf bush etc	P/Job		As & when required during 2016-17.

**LIST OF SPARE PARTS /JOB WORKS REQUIRED DURING THE YEAR 2016-2017**

**Mitsubshi Pick Up / Jeep No. GS-3019**

<b>S.No.</b>	<b>Description.</b>	<b>Unit.</b>	<b>Rate.</b>	<b>Delivery Schedule (Shipment) in weeks/months</b>
1	Piston required Size	Each		As & when required during 2016-17.
2	Piston Ring	P/Set		As & when required during 2016-17.
3	Piston Pin	P/Set		As & when required during 2016-17.
4	Piston Lock	P/Set		As & when required during 2016-17.
5	Sleeve	Each		As & when required during 2016-17.
6	Connecting Rod	Each		As & when required during 2016-17.
7	Connecting Bush	Each		As & when required during 2016-17.
8	Connecting Rod Nut & Bolt	Each		As & when required during 2016-17.
9	Came Shafit	Each		As & when required during 2016-17.
10	Came Shafit Bush	Each		As & when required during 2016-17.
11	Gas Kit	Each		As & when required during 2016-17.
12	Engined opverhauling Gaskit	Each		As & when required during 2016-17.
13	Main Bearing Required Size	P/Set		As & when required during 2016-17.
14	Big End Bearing required Size	P/Set		As & when required during 2016-17.
15	Main Oil Seal	Each		As & when required during 2016-17.
16	Rear Oil Seal	Each		As & when required during 2016-17.
17	Valve Inlet	Each		As & when required during 2016-17.
18	Valve Exhaust	Each		As & when required during 2016-17.
19	Valve Guide	Each		As & when required during 2016-17.
20	Ignation Switch	Each		As & when required during 2016-17.
21	Timing Belt	Each		As & when required during 2016-17.
22	Timing oil seal	Each		As & when required during 2016-17.
23	Fan Belt	Each		As & when required during 2016-17.
24	Oil Fillter	Each		As & when required during 2016-17.
25	Fuel Fillter Primary	Each		As & when required during 2016-17.
26	FUel Fillter Secondary	Each		As & when required during 2016-17.
27	Air Cleaner Fillter	Each		As & when required during 2016-17.
28	Clutch -plate	Each		As & when required during 2016-17.
29	Clutch Bearing	Each		As & when required during 2016-17.
30	Pressure Plate	Each		As & when required during 2016-17.
31	Fuel Pump Element	Each		As & when required during 2016-17.
32	Fuel Pump Delivery Valve	Each		As & when required during 2016-17.
33	Fuel Pump repair Kit	Each		As & when required during 2016-17.
34	Injector Assemebly	Each		As & when required during 2016-17.
35	Needle Nozzle	P/Set		As & when required during 2016-17.
36	Master Cylender complete	Each		As & when required during 2016-17.
37	Master Cylender Kit	Each		As & when required during 2016-17.
38	A .C Pump Complete	Each		As & when required during 2016-17.
39	AC Pump Kit	Each		As & when required during 2016-17.
40	Tie Rod end	Each		As & when required during 2016-17.
41	Axle	Each		As & when required during 2016-17.
42	Yoke end	Each		As & when required during 2016-17.
43	King Pin Bush	Each		As & when required during 2016-17.
44	King Pin	Each		As & when required during 2016-17.
45	Thrust Bearing	Each		As & when required during 2016-17.
46	Self Complete	Each		As & when required during 2016-17.
47	Generater 24 Volt	Each		As & when required during 2016-17.
48	Head Light	Each		As & when required during 2016-17.

S.No.	Description.	Unit.	Rate.	Delivery Schedule (Shipment) in weeks/months
49	Oil Pump complete	Each		As & when required during 2016-17.
50	Oil Pump Kit	Each		As & when required during 2016-17.
51	Oil Peassure Gauge	Each		As & when required during 2016-17.
52	Oil Temperature Gauge	Each		As & when required during 2016-17.
53	Water Temperature Gauge	Each		As & when required during 2016-17.
54	Universal Cross	Each		As & when required during 2016-17.
55	Universal Joint repair Kit	Each		As & when required during 2016-17.
56	Water Filter	Each		As & when required during 2016-17.
57	Water Body complete	Each		As & when required during 2016-17.
58	Water body repair Kit	Each		As & when required during 2016-17.
59	Hub Oil Seal	Each		As & when required during 2016-17.
60	Wheel stud Nut	Each		As & when required during 2016-17.
61	Leaf spring Main	Each		As & when required during 2016-17.
62	Leaf spring 2nd	Each		As & when required during 2016-17.
63	Leaf spring 3rd	Each		As & when required during 2016-17.
64	Leaf spring 4th	Each		As & when required during 2016-17.
65	Hanger	Each		As & when required during 2016-17.
66	Wheel Bearing Inner	Each		As & when required during 2016-17.
67	Wheel Bearing Outer	Each		As & when required during 2016-17.
68	Rim	Each		As & when required during 2016-17.
69	Back Light	Each		As & when required during 2016-17.
	<b>JOB WORK</b>			
70	Head Seat cutting re-facing & new valve fitting	P/Job		As & when required during 2016-17.
71	Block boring , Checking & alligment	P/Job		As & when required during 2016-17.
72	Came bush fitting	P/Job		As & when required during 2016-17.
73	Connecting Rod bush fitting	P/Job		As & when required during 2016-17.
74	Crank Shafit grinding & polishing to required size	P/Job		As & when required during 2016-17.
75	Sleeve fitting	P/Job		As & when required during 2016-17.
76	Self repairing I/C replacement of corban bush field coil etc	P/Job		As & when required during 2016-17.
77	Gererator repairing i/c providing stater & rotor etc	P/Job		As & when required during 2016-17.
78	FIP Collabaratio prov plunger element delivery vave etc	P/Job		As & when required during 2016-17.
79	Radiator reapingr clearing washing	P/Job		As & when required during 2016-17.
80	Raduiator reapingr i/c repalcement of Top & Bottom	P/Job		As & when required during 2016-17.
81	Complete Auto wiring providing L T wire sealed beam etc	P/Job		As & when required during 2016-17.
82	Repair of seat by providing Rexion Foam & Spring etc	P/Job		As & when required during 2016-17.

**LIST OF SPARE PARTS /JOB WORKS REQUIRED DURING THE YEAR 2016-2017**

**Suzuki Jeep**

<b>S.No.</b>	<b>Description.</b>	<b>Unit.</b>	<b>Rate.</b>	<b>Delivery Schedule (Shipment) in weeks/months</b>
1	Piston required Size	Each		As & when required during 2016-17.
2	Piston Ring	P/Set		As & when required during 2016-17.
3	Piston Pin	P/Set		As & when required during 2016-17.
4	Piston Lock	P/Set		As & when required during 2016-17.
5	Sleeve	Each		As & when required during 2016-17.
6	Connecting Rod	Each		As & when required during 2016-17.
7	Connecting Bush	Each		As & when required during 2016-17.
8	Connecting Rod Nut & Bolt	Each		As & when required during 2016-17.
9	Came Shafit	Each		As & when required during 2016-17.
10	Came Shafit Bush	Each		As & when required during 2016-17.
11	Gas Kit	Each		As & when required during 2016-17.
12	Main Bearing Required Size	P/Set		As & when required during 2016-17.
13	Big End Bearing required Size	P/Set		As & when required during 2016-17.
14	Main Oil Seal	Each		As & when required during 2016-17.
15	Rear Oil Seal	Each		As & when required during 2016-17.
16	Valve Inlet	Each		As & when required during 2016-17.
17	Valve Exhaust	Each		As & when required during 2016-17.
18	Valve Guide	Each		As & when required during 2016-17.
19	Ignation Switch	Each		As & when required during 2016-17.
20	Timing Belt	Each		As & when required during 2016-17.
21	Timing oil seal	Each		As & when required during 2016-17.
22	Fan Belt	Each		As & when required during 2016-17.
23	Oil Fillter	Each		As & when required during 2016-17.
24	Fuel Fillter.	Each		As & when required during 2016-17.
25	Air Cleaner Fillter	Each		As & when required during 2016-17.
26	Clutch -plate	Each		As & when required during 2016-17.
27	Clutch Bearing	Each		As & when required during 2016-17.
28	Pressure Plate	Each		As & when required during 2016-17.
29	Fuel Pump Element	Each		As & when required during 2016-17.
30	Fuel Pump Delivery Valve	Each		As & when required during 2016-17.
31	Fuel Pump repair Kit	Each		As & when required during 2016-17.
32	Injector Assemebly	Each		As & when required during 2016-17.
33	Needle Nozzle	P/Set		As & when required during 2016-17.
34	Master Cylander complete	Each		As & when required during 2016-17.
35	Master Cylander Kit	Each		As & when required during 2016-17.
36	A .C Pump Complete	Each		As & when required during 2016-17.
37	AC Pump Kit	Each		As & when required during 2016-17.
38	Tie Rod end	Each		As & when required during 2016-17.
39	Axle	Each		As & when required during 2016-17.
40	Thrust Bearing	Each		As & when required during 2016-17.
41	Gererator 24 Volt	Each		As & when required during 2016-17.
42	Head Light	Each		As & when required during 2016-17.
43	Oil Pump complete	Each		As & when required during 2016-17.
44	Universal Cross	Each		As & when required during 2016-17.
45	Water Body complete	Each		As & when required during 2016-17.
46	Water body repair Kit	Each		As & when required during 2016-17.
47	Hub Oil Seal	Each		As & when required during 2016-17.
48	Wheel stud Nut	Each		As & when required during 2016-17.

S.No.	Description.	Unit.	Rate.	Delivery Schedule (Shipment) in weeks/months
<b>JOB WORK</b>				
49	Head Seat cutting re-facing & new valve fitting	P/Job		As & when required during 2016-17.
50	Block boring , Checking & alligment	P/Job		As & when required during 2016-17.
51	Came bush fitting	P/Job		As & when required during 2016-17.
52	Connecting Rod bush fitting	P/Job		As & when required during 2016-17.
53	Crank Shafit grinding & polishing to required size	P/Job		As & when required during 2016-17.
54	Sleeve fitting	P/Job		As & when required during 2016-17.
55	Self repairing I/C replacement of corban bush field coil etc	P/Job		As & when required during 2016-17.
56	Gererator repairing i/c providing stater & rotor etc	P/Job		As & when required during 2016-17.
57	Raduiator reapinging i/c replacment of Top & Bottom	P/Job		As & when required during 2016-17.
58	Complete Auto wiring providing L T wire sealed beam etc	P/Job		As & when required during 2016-17.
59	Repair of seat by providing Rexion Foam & Spring etc	P/Job		As & when required during 2016-17.
60	Repair of Rear suspension by provinding leaf bush etc	P/Job		As & when required during 2016-17.
61	Repair of front suspension by provinding leaf bush etc	P/Job		As & when required during 2016-17.



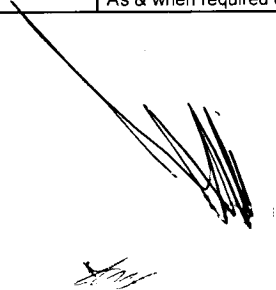
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**LIST OF SPARE PARTS /JOB WORKS REQUIRED DURING THE YEAR 2016-2017**

**Dong Feng Mini Truck**

S.No.	Description.	Unit.	Rate.	Delivery Schedule (Shipment) in weeks/months
1	Piston required Size	Each		As & when required during 2016-17.
2	Piston Ring	P/Set		As & when required during 2016-17.
3	Piston Pin	P/Set		As & when required during 2016-17.
4	Piston Lock	P/Set		As & when required during 2016-17.
5	Linner	Each		As & when required during 2016-17.
6	Connecting Rod	Each		As & when required during 2016-17.
7	Connecting Bush	Each		As & when required during 2016-17.
8	Connecting Rod Nut & Bolt	Each		As & when required during 2016-17.
9	Came Shafit	Each		As & when required during 2016-17.
10	Came Shafit Bush	Each		As & when required during 2016-17.
11	Gas Kit	Each		As & when required during 2016-17.
12	Engined opverhauling Gaskit	Each		As & when required during 2016-17.
13	Main Bearing Required Size	P/Set		As & when required during 2016-17.
14	Big End Bearing required Size	P/Set		As & when required during 2016-17.
15	Main Oil Seal	Each		As & when required during 2016-17.
16	Rear Oil Seal	Each		As & when required during 2016-17.
17	Valve Inlet	Each		As & when required during 2016-17.
18	Valve Exhaust	Each		As & when required during 2016-17.
19	Valve Guide	Each		As & when required during 2016-17.
20	Timing Belt	Each		As & when required during 2016-17.
21	Timing oil seal	Each		As & when required during 2016-17.
22	Fan Belt	Each		As & when required during 2016-17.
23	Oil Fillter	Each		As & when required during 2016-17.
24	Fuel Fillter Primary	Each		As & when required during 2016-17.
25	FUel Fillter Secondary	Each		As & when required during 2016-17.
26	Air Cleaner Fillter	Each		As & when required during 2016-17.
27	Clutch -plate	Each		As & when required during 2016-17.
28	Clutch Bearing	Each		As & when required during 2016-17.
29	Pressure Plate	Each		As & when required during 2016-17.
30	Fuel Pump Element	Each		As & when required during 2016-17.
31	Fuel Pump Delivery Valve	Each		As & when required during 2016-17.
32	Fuel Pump repair Kit	Each		As & when required during 2016-17.
33	Injector Asseembly	Each		As & when required during 2016-17.
34	Needle Nozzle	P/Set		As & when required during 2016-17.
35	Master Cylander complete	Each		As & when required during 2016-17.
36	Master Cylander Kit	Each		As & when required during 2016-17.
37	Tie Rod end	Each		As & when required during 2016-17.
38	Axle	Each		As & when required during 2016-17.
39	Yoke end	Each		As & when required during 2016-17.
40	Thrust Bearing	Each		As & when required during 2016-17.
41	Self Complete	Each		As & when required during 2016-17.
42	Generater 24 Volt	Each		As & when required during 2016-17.
43	Head Light	Each		As & when required during 2016-17.
44	Oil Pump complete	Each		As & when required during 2016-17.
45	Oil Pump Kit	Each		As & when required during 2016-17.
46	Oil Peassure Gauge	Each		As & when required during 2016-17.
47	Oil Temperature Gauge	Each		As & when required during 2016-17.
48	Water Temperature Gauge	Each		As & when required during 2016-17.
49	Universal Cross	Each		As & when required during 2016-17.
50	Water Body complete	Each		As & when required during 2016-17.
51	Water body repair Kit	Each		As & when required during 2016-17.
52	Hub Oil Seal	Each		As & when required during 2016-17.
53	Wheel stud Nut	Each		As & when required during 2016-17.
54	Leaf spring Main	Each		As & when required during 2016-17.
55	Hanger	Each		As & when required during 2016-17.
56	Wheel Bearing Inner	Each		As & when required during 2016-17.
57	Wheel Bearing Outer	Each		As & when required during 2016-17.

S.No.	Description.	Unit.	Rate.	Delivery Schedule (Shipment) in weeks/months
<b>JOB WORK</b>				
58	Head Seat cutting re-facing & new valve fitting	P/Job		As & when required during 2016-17.
59	Block boring , Checking & alligment	P/Job		As & when required during 2016-17.
60	Cam bush fitting	P/Job		As & when required during 2016-17.
61	Connecting Rod bush fitting	P/Job		As & when required during 2016-17.
62	Crank Shafit grinding & polishing to required size	P/Job		As & when required during 2016-17.
63	Sleeve fitting	P/Job		As & when required during 2016-17.
64	Self repairing I/C replacement of corban bush field coil etc	P/Job		As & when required during 2016-17.
65	Generater repairing i/c providing stater & rotor etc	P/Job		As & when required during 2016-17.
65	FIP Collabaratio prov plunger element delivery vave etc	P/Job		As & when required during 2016-17.
66	Radiator reapingir clearing washing	P/Job		As & when required during 2016-17.
67	Raduiator reapingir i/c repalcement of Top & Bottom	P/Job		As & when required during 2016-17.
68	Complete Auto wiring providing L T wire sealed beam etc	P/Job		As & when required during 2016-17.
69	Repair of seat by providing Rexion Foam & Spring etc	P/Job		As & when required during 2016-17.



A handwritten signature and a large, dark scribble are present below the table. The signature is written in cursive and appears to be 'J.M.'. The scribble is a dense, dark, irregular mark.



**LIST OF MACHINERY REQUIRED ON HIRE BASIS DURING THE YEAR 2016-2017**

S.No.	Description.	Unit.	Rate.	Delivery Schedule (Shipment) in weeks/months
1	Providing Crawler Hydraulic Excavator on hire basis.	P/Hour.		As & when required during 2016-17.
2	Providing Crawler Hydraulic Excavator on hire basis.	P/ o%Cft.		As & when required during 2016-17.
3	Providing Hydraulic Excavator(whell type) on hire basis.	P/Hour.		As & when required during 2016-17.
4	Providing Hydraulic Excavator(Whell type) on hire basis.	P/ o%Cft.		As & when required during 2016-17.
5	Providing Dump Truck.	P/Hour.		As & when required during 2016-17.
6	Providing Dump Truck.	P/ o%Cft.		As & when required during 2016-17.
7	Providing Tractor Trolley with front Blade.	P/Hour.		As & when required during 2016-17.



*[Handwritten signature and scribble]*

## 2. Bid Security Form

Whereas *[name of the Bidder]* (hereinafter called "the Bidder") has submitted its bid dated *[date of submission]* for the supply of *(hereinafter called "the description of the goods")* Bid").

KNOW ALL PEOPLE by these presents that we *[name of bank]* of *[name of country]*, having our registered office at *[address of bank]* (hereinafter called "the Bank"), are bound unto *[name of Procuring agency]* (hereinafter called "the Procuring agency") in the sum of for which payment well and truly to be made to the said Procuring agency, the Bank binds itself, its successors, and assigns by these presents. Sealed with the Common Seal of the said Bank this \_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_.

THE CONDITIONS of this obligation are:

\_\_\_\_\_ and Services in Bank Financed Procurement

1. If the Bidder withdraws its Bid during the period of bid validity specified by the Bidder on the Bid Form; or
2. If the Bidder, having been notified of the acceptance of its Bid by the Procuring agency during the period of bid validity:
  - (a) fails or refuses to execute the Contract Form, if required; or
  - (b) fails or refuses to furnish the performance security, in accordance with the Instructions to Bidders;

we undertake to pay to the Procuring agency up to the above amount upon receipt of its first written demand, without the Procuring agency having to substantiate its demand, provided that in its demand the Procuring agency will note that the amount claimed by it is due to it, owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to and including twenty eight (28) days after the period of bid validity, and any demand in respect thereof should reach the Bank not later than the above date.

\_\_\_\_\_  
*[signature of the bank]*

#### 4. Performance Security Form

To: *[name of Procuring agency]*

WHEREAS *[name of Supplier]* (hereinafter called "the Supplier") has undertaken, in pursuance of Contract No. *[reference number of the contract]* dated \_\_\_\_\_ 19 \_\_\_\_ to supply *[description of goods and services]* (hereinafter called "the Contract").

AND WHEREAS it has been stipulated by you in the said Contract that the Supplier shall furnish you with a bank guarantee by a reputable bank for the sum specified therein as security for compliance with the Supplier's performance obligations in accordance with the Contract.

AND WHEREAS we have agreed to give the Supplier a guarantee:

THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Supplier, up to a total of *[amount of the guarantee in words and figures]*, and we undertake to pay you, upon your first written demand declaring the Supplier to be in default under the Contract 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 or the sum specified therein.

This guarantee is valid until the \_\_\_\_\_ day of \_\_\_\_\_ 19 \_\_\_\_.

Signature and seal of the Guarantors

\_\_\_\_\_  
*[name of bank or financial institution]*

\_\_\_\_\_  
*[address]*

\_\_\_\_\_  
*[date]*

#### 4. Performance Security Form

To: *[name of Procuring agency]*

WHEREAS *[name of Supplier]* (hereinafter called "the Supplier") has undertaken, in pursuance of Contract No. *[reference number of the contract]* dated \_\_\_\_\_ 19\_\_\_\_ to supply *[description of goods and services]* (hereinafter called "the Contract").

AND WHEREAS it has been stipulated by you in the said Contract that the Supplier shall furnish you with a bank guarantee by a reputable bank for the sum specified therein as security for compliance with the Supplier's performance obligations in accordance with the Contract.

AND WHEREAS we have agreed to give the Supplier a guarantee:

THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Supplier, up to a total of *[amount of the guarantee in words and figures]*, and we undertake to pay you, upon your first written demand declaring the Supplier to be in default under the Contract 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 or the sum specified therein.

This guarantee is valid until the \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_

Signature and seal of the Guarantors

\_\_\_\_\_  
*[name of bank or financial institution]*

\_\_\_\_\_  
*[address]*

\_\_\_\_\_  
*[date]*

## 6. Manufacturer's Authorization Form

[See Clause 13.3 (a) of the Instructions to Bidders.]

To: *[name of the Procuring agency]*

WHEREAS *[name of the Manufacturer]* who are established and reputable manufacturers of *[name and/or description of the goods]* having factories at *[address of factory]*

do hereby authorize *[name and address of Agent]* to submit a bid, and subsequently negotiate and sign the Contract with you against IFB No. *[reference of the Invitation to Bid]* for the above goods manufactured by us.

We hereby extend our full guarantee and warranty as per Clause 15 of the General Conditions of Contract for the goods offered for supply by the above firm against this Invitation for Bids.

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*[signature for and on behalf of Manufacturer]*

*Note:* This letter of authority should be on the letterhead of the Manufacturer and should be signed by a person competent and having the power of attorney to bind the Manufacturer. It should be included by the Bidder in its bid.

ANNUAL PROCUREMENT PLAN

Central-Sindh mechanical Division Jamshoro.

(WORKS, GOODS & SERVICES)

FINANCIAL YEAR 2016-2017

Sr. No.	Description of Procurement	Quantity (where applicable)	Estimated unit cost (where applicable)	Estimated total cost	Funds allocated	Source of funds Non ADP	Proposed procurement method	Timing of Procurements				Remarks
								1 <sup>st</sup> Qtr	2 <sup>nd</sup> Qtr	3 <sup>rd</sup> Qtr	4 <sup>th</sup> Qtr	
1.	P.W. Deposit Work.					Funds received from Civil Divisions.						The work carried out of Machinery & Regulator Gates as and when required basis. Payment made from Civil Divisions.

*[Handwritten signature]*