

OFFICE OF THE EXECUTIVE ENGINEER FEEDER DIVISION HYDERABAD

No: SKP/G-141/ 781 of 2017 Hyderabad Dated:- 31-7-2017.

To,

The Director Accounts & Finance,
Sindh Public Procurement Regulatory Authority,
Karachi.

Subject:- **INVITATION OF BIDS FOR PROCUREMENT OF GOODS & WORKS.**

Kindly find enclosed herewith, the following Bidding document along with soft copy for hoisting N.I.T along with bidding documents (List of items), on SPPRA Website.

1. Invitation of Bids for procurement of goods & works.
2. Notification of Procurement Committee.
3. Notification of Complaint Redressal Committee.
4. Bidding Documents.
5. Procurement Plan.
6. Method of receiving .

	✓

Hand


Courier

Website hoisting charges will be paid in favour of SPPRA, as and when its Bill is received.

DA/As above.

Copy to:-

1. The Chief Engineer, Irrigation Kotri Barrage Hyderabad.
2. The Superintending Engineer, Lower Sindh Drainage Circle Hyderabad for favour of information.


(SHAMS-UR-REHMAN MEMON)
EXECUTIVE ENGINEER
FEEDER DIVISION HYDERABAD

SPPRA INWARD DIARY
No: 568
DATED: 02-08-2017



OFFICE OF THE EXECUTIVE ENGINEER FEEDER DIVISION HYDERABAD.

Phone No: 022-9210272

No: SKP/ G-141/ 780

of 2017

Hyderabad Dated:- 31 7 - 2017.

INVITATION OF BIDS FOR PROCUREMENT OF GOODS AND WORKS.

Sealed Bids as per SPPRA Rules 2010 (Amended 2013) are hereby invited from the interested persons/Suppliers/ Contractors/ Firms to quote their rates for procurement of Goods and Works, regarding repair and maintenance of Machinery of different makes.

1. Bidding document for National Competitive Bidding along with lists of required Materials, Goods, Hiring of Machinery and other works will be issued up to 24-8-17 at 01.00 P.M and will be received back on 25-8-17 @ 2.00 and will be opened on the same day i.e 25-8-17 @ 03.00 P.M by the Procurement Committee in the presence of Contractors or their authorized representatives.

Address: Office of the Executive Engineer, Feeder Division, (Left Bank Barrage Colony near Qasim Chowk Hyderabad

2. The bidding document shall be supported with a Call Deposit / Bid Security

i) Hydraulic Excavator = Rs. 1,00,000/- (Lum Sum)

ii) Transport Vehicles (all kinds of Vehicles), Generator/Crane= Rs. 50,000/-(Lum Sum)

iii). Dumpers/ Loaders/ Dozer = Rs. 50,000/- (Lum Sum)

iv) Workshop Material & Gates Material =Rs. 200,000/- (Lum Sum)

In favour of Executive Engineer, Feeder Division and No bid shall be entertained without call Deposit / Bid Security.

3. Bidding document Fee (Non refundable) will be Rs. 1000/-

4. The rates quoted shall remain valid and effective up to 30th June 2018 for Procurement of Materials, Goods, Hiring of Machinery and other works.

5. The conditional bids will not be entertained.

6. Method of Procurement will be single stage one envelop.

7. The Contractor whose quoted rates stood lowest shall remain bound to provide the Materials, Goods, Hiring of Machinery and other works as and when ordered on need basis during the Financial year 2017-18

8. The rates quoted must be inclusive of all the taxes in-vogue.

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9. The Bidders must be registered with relevant Provincial and Federal Tax authorities (i.e FBR & SBR).
10. The Bidders will have to produce affidavit that the firm has never been black listed.
11. The payment against procurement of goods and works will be on credit basis, due to non Budgetary mechanical Division, subject to availability of funds as and when received against deposit works of department and delay in payment to firm, will not be challenged in the court of law/ ombudsman @ any stage.


EXECUTIVE ENGINEER
FEEDER DIVISION HYDERABAD


Copy with compliments forwarded: to-

1. The Director (Advertisement) Information & Archived Department Barrack -96 Sindh Secretariat 4-B Karachi, along with 06 (Six) copies, for one insertion in leading daily News Papers of Sindh, Urdu, & English.
2. The Chief Engineer, Irrigation Kotri Barrage, Hyderabad.
3. The Director (A & F), Sindh Public Procurement Regulatory Authority (SPPRA), Karachi Block-8 Secretariat No. 4-A, Court Road Karachi, along with Bidding Documents for hoisting on SPRRA website.
4. The Superintending Engineer, Lower Sindh Drainage Circle Hyderabad for information.
5. Copy to Notice Board.

Phone No.9210334.

1573

No.S-151/W-4/Commit:/Feeder/2017/
Office of the Chief Engineer,
Irrigation Kotri Barrage,
Hyderabad, dated 05-7-2017.

READ:- Secretary to Government of Sindh Irrigation Department
letter No.SO(R&S)8-110/2012-13, dated 14-12-2015,
regarding Authorization of Notify the Procurement
Committee.

NOTIFICATION.

The Committee Comprising of the following Members is
constituted, as per Rule-07 of SPPRA Rules 2010 (amended 2013),
for the year 2017-2018, in Feeder Division, Hyderabad of Lower
Sindh Drainage Circle, Hyderabad.

1. **Mr. Shams-Ur-Rehman,** Chairman.
Executive Engineer,
Feeder Division,
Hyderabad.
2. **Mr. Akbar Ali Shah,** Member.
Assistant Executive Engineer,
Works & Services Department.
3. **Mr. Faheem Ahmed Khan,** Member/Secretary.
Divisional Accounts Officer,
Feeder Division,
Hyderabad.

(IRSHAD AHMED MEMON)
CHIEF ENGINEER,
IRRIGATION KOTRI BARRAGE,
HYDERABAD.

C.c.to:-

1. The Secretary to Government of Sindh, Irrigation
Department, Karachi.
2. The Managing Director, SPPRA, Rules, Karachi.
3. The Superintending Engineer, Lower Sindh Drainage
Circle, Hyderabad, with reference to his letter
No.TC/G-55/811, dated 04-07-2017.
4. The All Committee Members.



GOVERNMENT OF SINDH
IRRIGATION DEPARTMENT

NOTIFICATION

For the approval of Complaint Redressal Committee (C.R.C.) schemes selected in terms of Rule 31 of the Sindh Public Procurement Regulations (Amended 2013) to justify ADR schemes 2015-16 of Irrigation Department, Government of Sindh pertaining to Kotri Barrage Region Hyderabad with the following members:

- | | |
|---|---------------------|
| 1. Mr. M. D. Sindh Public Procurement Regulatory Authority | Chairman |
| 2. Chief Engineer, Gudu Barrage Region-Sukkur | Member |
| 3. Superintending Engineer, Begar Sindh Feeder Circle-Sukkur | Member |
| 4. Executive Engineer, Irrigation Department, Government of Sindh | Secretary |
| 5. District Accountant Officer, Sindh (Concerned Division) | Assistant Secretary |

T.O.R's of the Chairperson are as provided under Rule 31 of Sindh Public Procurement Regulations 2013 and for all other functions ancillary and incidental to the above.

SYED ZAHEER HYDER SHAH
SECRETARY TO GOVT. OF SINDH

No SO(R&S)5-110/2012-17

Karachi, dated the 16th October, 2015

A copy is forwarded for information & necessary action to:-

1. The Accountant General Sindh, Karachi with the request to nominate your representative for the above Complaint Redressal Committee.
2. The Director General Monitoring & Evaluation Cell, Irrigation Department, Government of Sindh, Karachi.
3. The M. D. Sindh Public Procurement Regulatory Authority Karachi.
4. The Chief Engineer, (All) Irrigation Development, Govt. of Sindh, Karachi.
5. The Superintending Engineer, (All) Irrigation Deptt, Govt. of Sindh.
6. The Executive Engineer, (All) Irrigation Department, Govt. of Sindh.
7. P.S. to Secretary Irrigation Department, Govt. of Sindh, Karachi.

SECTION OFFICER (RR&S.)
For Secretary to Government of Sindh

PROCUREMENT PLAN (UPTO 30.06.2018)
(NON DEVELOPMENT)

SR.NO.	FUND HEAD & SUB-HEAD.	NAME OF WORK AND BREAK-UP	ALLOCATED FUNDS AND BREAK-UP FOR DIFFERENT LOCATIONS/ SITES.	ITEMS TO BE EXECUTED.	METHOD OF PROCUREMENT	ANTICIPATED/ ACTUAL DATE OF ADVERTISEMENT.
A	B	C	D	E	F	G
01	P.W. Deposit	Repair and Maintenance of hydraulic Excavator Repaid and Maintenance of Dozer . Repair and Maintenance of Transport Vehicles (all kind of Vehicles/ Generator). Repair and Maintenance of Dumper/ Loaders. Work Shop Materials, Gate materials and Hiring of Machinery on emergent basis	Feeder Division Hyderabad is non funded Division; it runs on P.W. Deposit works.	List of work is provided with tendering documents.	Single stage, single Envelop	
Anticipated/ Actual Date of Start.		Anticipated/ Actual date of completion.	Remarks.			
As per need basis upto		As per need basis upto	1) The Feeder Division Hyderabad of Kotri Barrage Irrigation Region Hyderabad is a non-funded Division and has no its own Budget for Repair and Maintenance of Machinery and other works, but it runs on deposit works, as and when are assigned/ awarded by the sister Civil Divisions with advance payment of 50% against their intended works, like De-Silting of Irrigation 2 Channels, Earth works of Irrigation Bunds, Gate works & other works caused due to heavy rain fall/ Flood or Breaches works, (emergent works). The involvement of expenditure over repair & maintenance of machinery & POL are met out from the payment received from Civil Divisions against their deposit works done @ field/ site of work. 2)The Rates for Procurement of spare parts (Goods)/ job works of machinery & other works are called once in a year through wide publicity, for obtaining lowest competitive rates from suppliers/ bidders @ conditional payment, subject to availability of funds as & when are received against deposit works from Civil Divisions of the Department.			

C/S
SE

C/S

[Signature]
Superintending Engineer
Lower Sindh Drainage Circle
Hyderabad

[Signature]
Executive Engineer
Feeder Division Hyderabad
7

**Sindh Public Procurement Regulatory
Authority**

Bidding Documents

For

National Competitive Bidding

Pakistan

Procurement of Goods

PART ONE (FIXED)

- Instructions to Bidders (ITB)
- General Conditions of Contract (GCC)

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Part One - Section I.
Instructions to Bidders

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Instructions to Bidders

A. Introduction

1. Source of Funds
 - 1.1 The Procuring agency has received /applied for loan/grant/federal/provincial/local government funds from the source(s) indicated in the bidding data in various currencies towards the cost of the project /schemes specified in the bidding data and it is intended that part of the proceeds of this loan/grant/funds/ will be applied to eligible payments under the contract for which these bidding documents are issued.
 - 1.2 Payment by the Fund will be made only at the request of the Procuring agency and upon approval by the Government of Sindh., and in case of a project will be subject in all respect to the terms and conditions of the agreement. The Project Agreement prohibits a withdrawal from the allocated fund account for the purpose of any payment to persons or entities, or for any import of goods, if such payment or import, to the knowledge of the Federal Government/ Sindh Government, is prohibited by a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations. No party other than the Procuring agency shall derive any rights from the Project Agreement or have any claim to the allocated fund proceeds.
2. Eligible Bidders
 - 2.1 This Invitation for Bids is open to all suppliers from eligible source as defined in the SPP Rules, 2009 and its Bidding Documents except as provided hereinafter.
 - 2.2 Bidders should not be associated, or have been associated in the past, directly or indirectly, with a firm or any of its affiliates which have been engaged by the Procuring agency to provide consulting services for the preparation of the design, specifications, and other documents to be used for the procurement of the goods to be purchased under this Invitation for Bids.
 - 2.3 Government-owned enterprises in the Province of Sindh may participate only if they are legally and financially autonomous, if they operate under commercial law, and if they are not a dependent agency of the Government of Sindh.
 - 2.4 Bidders shall not be eligible to bid if they are under a declaration of ineligibility for corrupt and fraudulent practices issued by the

any government organization in accordance with sub clause 34.1

- 3. Eligible Goods and Services**
- 3.1 All goods and related services to be supplied under the contract shall have their origin in eligible source countries, defined in the SPP Rules, 2009 and its Bidding Documents, and all expenditures made under the contract will be limited to such goods and services.
- 3.2 For purposes of this clause, "origin" means the place where the goods are mined, grown, or produced, or the place from which the related services are supplied. Goods are produced when, through manufacturing, processing, or substantial and major assembly of components, a commercially-recognized product results that is substantially different in basic characteristics or in purpose or utility from its components.
- 3.3 The origin of goods and services is distinct from the nationality of the Bidder.
- 4. Cost of Bidding**
- 4.1 The Bidder shall bear all costs associated with the preparation and submission of its bid, and the Procuring agency named in the Bid Data Sheet, hereinafter referred to as "the Procuring agency," will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

B. The Bidding Documents

- 5. Content of Bidding Documents**
- 5.1 the bidding documents include:
- (a) Instructions to Bidders (ITB)
 - (b) Bid Data Sheet
 - (c) General Conditions of Contract (GCC)
 - (d) Special Conditions of Contract (SCC)
 - (e) Schedule of Requirements
 - (f) Technical Specifications
 - (g) Bid Form and Price Schedules
 - (h) Bid Security Form
 - (i) Contract Form
 - (j) Performance Security Form
 - (k) Manufacturer's Authorization Form
- 5.2 The Bidder is expected to examine all instructions, forms, terms, and specifications in the bidding documents. Failure to furnish all information required by the bidding documents or to submit a bid not substantially responsive to the bidding documents in every respect will be at the Bidder's risk and may result in the

rejection of its bid.

- 6. Clarification of Bidding Documents** 6.1 A interested Bidder requiring any clarification of the bidding documents may notify the Procuring agency in writing. The Procuring agency will respond in writing to any request for clarification of the bidding documents which it receives no later than three working days prior to the deadline for the submission of bids prescribed in the Bid Data Sheet. Written copies of the Procuring agency's response (including an explanation of the query but without identifying the source of inquiry) will be sent to all interested bidders that have received the bidding documents.
- 7. Amendment of Bidding Documents** 7.1 At any time prior to the deadline for submission of bids, the Procuring agency, for any reason, whether at its own initiative or in response to a clarification requested by a interested Bidder, may modify the bidding documents by amendment.
- 7.2 All interested bidders that have received the bidding documents will be notified of the amendment in writing, and will be binding on them.
- 7.3 In order to allow interested bidders reasonable time in which to take the amendment into account in preparing their bids, the Procuring agency, at its discretion, may extend the deadline for the submission of bids.
- C. Preparation of Bids**
- 8. Language of Bid** 8.1 The bid prepared by the Bidder, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Procuring agency shall be written in the language specified in the Bid Data Sheet. Supporting documents and printed literature furnished by the Bidder may be in another language provided they are accompanied by an accurate translation of the relevant passages in the language specified in the Bid Data Sheet, in which case, for purposes of interpretation of the Bid, the translation shall govern.
- 9. Documents Comprising the Bid** 9.1 The bid prepared by the Bidder shall comprise the following components:
- (a) a Bid Form and a Price Schedule completed in accordance with ITB Clauses 10, 11, and 12;
 - (b) documentary evidence established in accordance with ITB

Clause 13 that the Bidder is eligible to bid and is qualified to perform the contract if its bid is accepted;

(c) documentary evidence established in accordance with ITB Clause 14 that the goods and ancillary services to be supplied by the Bidder are eligible goods and services and conform to the bidding documents; and

(d) bid security furnished in accordance with ITB Clause 15.

10. Bid Form

10.1 The Bidder shall complete the Bid Form and the appropriate Price Schedule furnished in the bidding documents, indicating the goods to be supplied, a brief description of the goods, their country of origin, quantity, and prices.

11. Bid Prices

11.1 The Bidder shall indicate on the appropriate Price Schedule the unit prices (where applicable) and total bid price of the goods it proposes to supply under the contract.

11.2 Prices indicated on the Price Schedule shall be delivered duty paid (DDP) prices. The price of other (incidental) services, if any, listed in the Bid Data Sheet will be entered separately.

11.3 The Bidder's separation of price components in accordance with ITB Clause 11.2 above will be solely for the purpose of facilitating the comparison of bids by the Procuring agency and will not in any way limit the Procuring agency's right to contract on any of the terms offered.

11.5 Prices quoted by the Bidder shall be fixed during the Bidder's performance of the contract and not subject to variation on any account, unless otherwise specified in the Bid Data Sheet. A bid submitted with an adjustable price quotation will be treated as nonresponsive and will be rejected, pursuant to ITB Clause 24. If, however, in accordance with the Bid Data Sheet, prices quoted by the Bidder shall be subject to adjustment during the performance of the contract, a bid submitted with a fixed price quotation will not be rejected, but the price adjustment would be treated as zero.

12. Bid Currencies

12.1 Prices shall be quoted in Pak Rupees unless otherwise specified in the Bid Data Sheet.

13. Documents Establishing Bidder's

13.1 Pursuant to ITB Clause 9, the Bidder shall furnish, as part of its bid, documents establishing the Bidder's eligibility to bid and its qualifications to perform the contract if its bid is accepted.

**Eligibility and
Qualification**

13.2 The documentary evidence of the Bidder's eligibility to bid shall establish to the Procuring agency's satisfaction that the Bidder, at the time of submission of its bid, is from an eligible country as defined under ITB Clause 2.

13.3 The documentary evidence of the Bidder's qualifications to perform the contract if its bid is accepted shall establish to the Procuring agency's satisfaction:

- (a) that, in the case of a Bidder offering to supply goods under the contract which the Bidder did not manufacture or otherwise produce, the Bidder has been duly authorized by the goods' Manufacturer or producer to supply the goods in the Procuring agency's country;
- (b) that the Bidder has the financial, technical, and production capability necessary to perform the contract;
- (c) that, in the case of a Bidder not doing business within the Procuring agency's country, the Bidder is or will be (if awarded the contract) represented by an Agent in that country equipped, and able to carry out the Supplier's maintenance, repair, and spare parts-stocking obligations prescribed in the Conditions of Contract and/or Technical Specifications; and
- (d) that the Bidder meets the qualification criteria listed in the Bid Data Sheet.

**14. Documents
Establishing
Goods'
Eligibility and
Conformity to
Bidding
Documents**

14.1 Pursuant to ITB Clause 9, the Bidder shall furnish, as part of its bid, documents establishing the eligibility and conformity to the bidding documents of all goods and services which the Bidder proposes to supply under the contract.

14.2 The documentary evidence of the eligibility of the goods and services shall consist of a statement in the Price Schedule of the country of origin of the goods and services offered which shall be confirmed by a certificate of origin issued at the time of shipment.

14.3 The documentary evidence of conformity of the goods and services to the bidding documents may be in the form of literature, drawings, and data, and shall consist of:

- (a) a detailed description of the essential technical and

performance characteristics of the goods;

- (b) a list giving full particulars, including available sources and current prices of spare parts, special tools, etc., necessary for the proper and continuing functioning of the goods for a period to be specified in the Bid Data Sheet, following commencement of the use of the goods by the Procuring agency; and
- (c) an item-by-item commentary on the Procuring agency's Technical Specifications demonstrating substantial responsiveness of the goods and services to those specifications, or a statement of deviations and exceptions to the provisions of the Technical Specifications.

14.4 For purposes of the commentary to be furnished pursuant to ITB Clause 14.3(c) above, the Bidder shall note that standards for workmanship, material, and equipment, as well as references to brand names or catalogue numbers designated by the Procuring agency in its Technical Specifications, are intended to be descriptive only and not restrictive. The Bidder may substitute alternative standards, brand names, and/or catalogue numbers in its bid, provided that it demonstrates to the Procuring agency's satisfaction that the substitutions ensure substantial equivalence to those designated in the Technical Specifications.

15. Bid Security

- 15.1 Pursuant to ITB Clause 9, the Bidder shall furnish, as part of its bid, a bid security in the amount specified in the Bid Data Sheet.
- 15.2 The bid security is required to protect the Procuring agency against the risk of Bidder's conduct which would warrant the security's forfeiture, pursuant to ITB Clause 15.7.
- 15.3 The bid security shall be in Pak. Rupees and shall be in one of the following forms:
 - (a) a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the Procuring agency's country, in the form provided in the bidding documents or another form acceptable to the Procuring agency and valid for thirty (30) days beyond the validity of the bid; or
 - (b) irrevocable encashable on-demand Bank call-deposit.
- 15.4 Any bid not secured in accordance with ITB Clauses 15.1 and 15.3 will be rejected by the Procuring agency as nonresponsive, pursuant to ITB Clause 24.

15.5 Unsuccessful bidders' bid security will be discharged or returned as promptly as possible but not later than thirty (30) days after the expiration of the period of bid validity prescribed by the Procuring agency pursuant to ITB Clause 16.

15.6 The successful Bidder's bid security will be discharged upon the Bidder signing the contract, pursuant to ITB Clause 32, and furnishing the performance security, pursuant to ITB Clause 33.

15.7 The bid security may be forfeited:

(a) if a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Bid Form; or

(b) in the case of a successful Bidder, if the Bidder fails:

(i) to sign the contract in accordance with ITB Clause 32;

or

(ii) to furnish performance security in accordance with ITB Clause 33.

**16. Period of
Validity of
Bids**

16.1 Bids shall remain valid for the period specified in the Bid Data Sheet after the date of bid opening prescribed by the Procuring agency, pursuant to ITB Clause 19. A bid valid for a shorter period shall be rejected by the Procuring agency as nonresponsive.

16.2 In exceptional circumstances, the Procuring agency may solicit the Bidder's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. The bid security provided under ITB Clause 15 shall also be suitably extended. A Bidder may refuse the request without forfeiting its bid security. A Bidder granting the request will not be required nor permitted to modify its bid, except as provided in the bidding document.

**17. Format and
Signing of Bid**

17.1 The Bidder shall prepare an original and the number of copies of the bid indicated in the Bid Data Sheet, clearly marking each "ORIGINAL BID" and "COPY OF BID," as appropriate. In the event of any discrepancy between them, the original shall govern.

17.2 The original and the copy or copies of the bid shall be typed or written in indelible ink and shall be signed by the Bidder or a

person or persons duly authorized to bind the Bidder to the contract. All pages of the bid, except for un-amended printed literature, shall be initialed by the person or persons signing the bid.

17.3 Any interlineations, erasures, or overwriting shall be valid only if they are initialed by the person or persons signing the bid.

17.4 The Bidder shall furnish information as described in the Form of Bid on commissions or gratuities, if any, paid or to be paid to agents relating to this Bid, and to contract execution if the Bidder is awarded the contract.

D. Submission of Bids

18. Sealing and Marking of Bids

18.1 The Bidder shall seal the original and each copy of the bid in separate envelopes, duly marking the envelopes as "ORIGINAL" and "COPY." The envelopes shall then be sealed in an outer envelope.

18.2 The inner and outer envelopes shall:

- (a) be addressed to the Procuring agency at the address given in the Bid Data Sheet; and
- (b) bear the Project name indicated in the Bid Data Sheet, the Invitation for Bids (IFB) title and number indicated in the Bid Data Sheet, and a statement: "DO NOT OPEN BEFORE," to be completed with the time and the date specified in the Bid Data Sheet, pursuant to ITB Clause 2.2.

18.3 The inner envelopes shall also indicate the name and address of the Bidder to enable the bid to be returned unopened in case it is declared "late".

18.4 If the outer envelope is not sealed and marked as required by ITB Clause 18.2, the Procuring agency will assume no responsibility for the bid's misplacement or premature opening.

19. Deadline for Submission of Bids

19.1 Bids must be received by the Procuring agency at the address specified under ITB Clause 18.2 no later than the time and date specified in the Bid Data Sheet.

19.2 The Procuring agency may, at its discretion, extend this deadline for the submission of bids by amending the bidding documents in accordance with ITB Clause 7, in which case all rights and

obligations of the Procuring agency and bidders previously subject to the deadline will thereafter be subject to the deadline as extended.

20. Late Bids

20.1 Any bid received by the Procuring agency after the deadline for submission of bids prescribed by the Procuring agency pursuant to ITB Clause 19 will be rejected and returned unopened to the Bidder.

21. Modification and Withdrawal of Bids

21.1 The Bidder may modify or withdraw its bid after the bid's submission, provided that written notice of the modification, including substitution or withdrawal of the bids, is received by the Procuring agency prior to the deadline prescribed for submission of bids.

21.2 The Bidder's modification or withdrawal notice shall be prepared, sealed, marked, and dispatched in accordance with the provisions of ITB Clause 18. by a signed confirmation copy, postmarked not later than the deadline for submission of bids.

21.3 No bid may be modified after the deadline for submission of bids.

21.4 No bid may be withdrawn in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the Bid Form. Withdrawal of a bid during this interval may result in the Bidder's forfeiture of its bid security, pursuant to the ITB Clause 15.7.

E. Opening and Evaluation of Bids

22. Opening of Bids by the Procuring agency

22.1 The Procuring agency will open all bids in the presence of bidders' representatives who choose to attend, at the time, on the date, and at the place specified in the Bid Data Sheet. The bidders' representatives who are present shall sign a register evidencing their attendance.

22.2 The bidders' names, bid modifications or withdrawals, bid prices, discounts, and the presence or absence of requisite bid security and such other details as the Procuring agency, at its discretion, may consider appropriate, will be announced at the opening. No bid shall be rejected at bid opening, except for late bids, which shall be returned unopened to the Bidder pursuant to ITB Clause 20.

- 22.3 Bids (and modifications sent pursuant to ITB Clause 21.2) that are not opened and read out at bid opening shall not be considered further for evaluation, irrespective of the circumstances. Withdrawn bids will be returned unopened to the bidders.
- 22.4 The Procuring agency will prepare minutes of the bid opening.
- 23. Clarification of Bids**
- 23.1 During evaluation of the bids, the Procuring agency may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing, and no change in the prices or substance of the bid shall be sought, offered, or permitted.
- 24. Preliminary Examination**
- 24.1 The Procuring agency will examine the bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.
- 24.2 Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the total price shall be corrected. If the Supplier does not accept the correction of the errors, its bid will be rejected, and its bid security may be forfeited. If there is a discrepancy between words and figures, the amount in words will prevail.
- 24.3 The Procuring agency may waive any minor informality, nonconformity, or irregularity in a bid which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any Bidder.
- 24.4 Prior to the detailed evaluation, pursuant to ITB Clause 25 the Procuring agency will determine the substantial responsiveness of each bid to the bidding documents. For purposes of these Clauses, a substantially responsive bid is one which conforms to all the terms and conditions of the bidding documents without material deviations. Deviations from, or objections or reservations to critical provisions, such as those concerning Bid Security (ITB Clause 15), Applicable Law (GCC Clause 30), and Taxes and Duties (GCC Clause 32), will be deemed to be a material deviation. The Procuring agency's determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.

- 24.5 If a bid is not substantially responsive, it will be rejected by the Procuring agency and may not subsequently be made responsive by the Bidder by correction of the nonconformity.
- 25. Evaluation and Comparison of Bids**
- 25.1 The Procuring agency will evaluate and compare the bids which have been determined to be substantially responsive, pursuant to ITB Clause 24.
- 25.2 The Procuring agency's evaluation of a bid will be on delivered duty paid (DDP) price inclusive of prevailing duties and will exclude any allowance for price adjustment during the period of execution of the contract, if provided in the bid.
- 25.3 The Procuring agency's evaluation of a bid will take into account, in addition to the bid price quoted in accordance with ITB Clause 11.2, one or more of the following factors as specified in the Bid Data Sheet, and quantified in ITB Clause 25.4:
- (a) incidental costs
 - (b) delivery schedule offered in the bid;
 - (c) deviations in payment schedule from that specified in the Special Conditions of Contract;
 - (d) the cost of components, mandatory spare parts, and service;
 - (e) the availability Procuring agency of spare parts and after-sales services for the equipment offered in the bid;
 - (f) the projected operating and maintenance costs during the life of the equipment;
 - (g) the performance and productivity of the equipment offered; and/or
 - (h) other specific criteria indicated in the Bid Data Sheet and/or in the Technical Specifications.
- 25.4 For factors retained in the Bid Data Sheet pursuant to ITB 25.3, one or more of the following quantification methods will be applied, as detailed in the Bid Data Sheet:
- (a) Incidental costs provided by the bidder will be added by Procuring agency to the delivered duty paid (DDP) price at

the final destination.

(b) *Delivery schedule.*

(i) The Procuring agency requires that the goods under the Invitation for Bids shall be delivered at the time specified in the Schedule of Requirements which will be treated as the base, a delivery "adjustment" will be calculated for bids by applying a percentage, specified in the Bid Data Sheet, of the DDP price for each week of delay beyond the base, and this will be added to the bid price for evaluation. No credit shall be given to early delivery.

or

(ii) The goods covered under this invitation are required to be delivered (shipped) within an acceptable range of weeks specified in the Schedule of Requirement. No credit will be given to earlier deliveries, and bids offering delivery beyond this range will be treated as nonresponsive. Within this acceptable range, an adjustment per week, as specified in the Bid Data Sheet, will be added for evaluation to the bid price of bids offering deliveries later than the earliest delivery period specified in the Schedule of Requirements.

or

(iii) The goods covered under this invitation are required to be delivered in partial shipments, as specified in the Schedule of Requirements. Bids offering deliveries earlier or later than the specified deliveries will be adjusted in the evaluation by adding to the bid price a factor equal to a percentage, specified in the Bid Data Sheet, of DDP price per week of variation from the specified delivery schedule.

(c) *Deviation in payment schedule.*

(i) Bidders shall state their bid price for the payment schedule outlined in the SCC. Bids will be evaluated on the basis of this base price. Bidders are, however, permitted to state an alternative payment schedule and indicate the reduction in bid price they wish to offer for such alternative payment schedule. The Procuring agency may consider the alternative payment schedule offered by the selected Bidder.

or

(ii) The SCC stipulates the payment schedule offered by

the Procuring agency. If a bid deviates from the schedule and if such deviation is considered acceptable to the Procuring agency, the bid will be evaluated by calculating interest earned for any earlier payments involved in the terms outlined in the bid as compared with those stipulated in this invitation, at the rate per annum specified in the Bid Data Sheet.

(d) *Cost of spare parts.*

(i) The list of items and quantities of major assemblies, components, and selected spare parts, likely to be required during the initial period of operation specified in the Bid Data Sheet, is annexed to the Technical Specifications. The total cost of these items, at the unit prices quoted in each bid, will be added to the bid price.

or

(ii) The Procuring agency will draw up a list of high-usage and high-value items of components and spare parts, along with estimated quantities of usage in the initial period of operation specified in the Bid Data Sheet. The total cost of these items and quantities will be computed from spare parts unit prices submitted by the Bidder and added to the bid price.

or

(iii) The Procuring agency will estimate the cost of spare parts usage in the initial period of operation specified in the Bid Data Sheet, based on information furnished by each Bidder, as well as on past experience of the Procuring agency or other procuring agencies in similar situations. Such costs shall be added to the bid price for evaluation.

(e) *Spare parts and after sales service facilities in the Procuring agency's country.*

The cost to the Procuring agency of establishing the minimum service facilities and parts inventories, as outlined in the Bid Data Sheet or elsewhere in the bidding documents, if quoted separately, shall be added to the bid price.

(f) *Operating and maintenance costs.*

Since the operating and maintenance costs of the goods under procurement form a major part of the life cycle cost of the equipment, these costs will be evaluated in accordance with the criteria specified in the Bid Data Sheet or in the Technical Specifications.

(g) *Performance and productivity of the equipment.*

(i) Bidders shall state the guaranteed performance or efficiency in response to the Technical Specification. For each drop in the performance or efficiency below the norm of 100, an adjustment for an amount specified in the Bid Data Sheet will be added to the bid price, representing the capitalized cost of additional operating costs over the life of the plant, using the methodology specified in the Bid Data Sheet or in the Technical Specifications.

or

(ii) Goods offered shall have a minimum productivity specified under the relevant provision in the Technical Specifications to be considered responsive. Evaluation shall be based on the cost per unit of the actual productivity of goods offered in the bid, and adjustment will be added to the bid price using the methodology specified in the Bid Data Sheet or in the Technical Specifications.

(h) *Specific additional criteria indicated in the Bid Data Sheet and/or in the Technical Specifications.*

The relevant evaluation method shall be detailed in the Bid Data Sheet and/or in the Technical Specifications.

Alternative

25.4 Merit Point System:

The following merit point system for weighing evaluation factors can be applied if none of the evaluation methods listed in 25.4 above has been retained in the Bid Data Sheet. The number of points allocated to each factor shall be specified in the Bid Data Sheet.

[In the Bid Data Sheet, choose from the range of]

Evaluated price of the goods	60 to 90
Cost of common list spare parts	0 to 20
Technical features, and maintenance and operating costs	0 to 20
Availability of service and spare parts	0 to 20
Standardization	0 to 20
Total	100

The bid scoring the highest number of points will be deemed to be the lowest evaluated bid.

- 26. Contacting the Procuring agency**
- 26.1 Subject to ITB Clause 23, no Bidder shall contact the Procuring agency on any matter relating to its bid, from the time of the bid opening to the time the contract is awarded. If the Bidder wishes to bring additional information to the notice of the Procuring agency, it should do so in writing.
- 26.2 Any effort by a Bidder to influence the Procuring agency in its decisions on bid evaluation, bid comparison, or contract award may result in the rejection of the Bidder's bid.

F. Award of Contract

- 27. Post-qualification**
- 27.1 In the absence of prequalification, the Procuring agency will determine to its satisfaction whether the Bidder that is selected as having submitted the lowest evaluated responsive bid is qualified to perform the contract satisfactorily, in accordance with the criteria listed in ITB Clause 13.3.
- 27.2 The determination will take into account the Bidder's financial, technical, and production capabilities. It will be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB Clause 13.3, as well as such other information as the Procuring agency deems necessary and appropriate.
- 27.3 An affirmative determination will be a prerequisite for award of the contract to the Bidder. A negative determination will result in rejection of the Bidder's bid, in which event the Procuring agency will proceed to the next lowest evaluated bid to make a similar determination of that Bidder's capabilities to perform satisfactorily.
- 28. Award Criteria**
- 28.1 Subject to ITB Clause 30, the Procuring agency will award the contract to the successful Bidder whose bid has been determined to be substantially responsive and has been determined to be the lowest evaluated bid, provided further that the Bidder is

determined to be qualified to perform the contract satisfactorily.

- 29. Procuring agency's Right to Vary Quantities at Time of Award**
- 29.1 The Procuring agency reserves the right at the time of contract award to increase or decrease, by the percentage indicated in the Bid Data Sheet, the quantity of goods and services originally specified in the Schedule of Requirements without any change in unit price or other terms and conditions.
- 30. Procuring agency's Right to Accept any Bid and to Reject any or All Bids**
- 30.1 The Procuring agency reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to the affected Bidder or bidders or any obligation to inform the affected Bidder or bidders of the grounds for the Procuring agency's action.
- 31. Notification of Award**
- 31.1 Prior to the expiration of the period of bid validity, the Procuring agency will notify the successful Bidder in writing by registered letter or by cable, to be confirmed in writing by registered letter, that its bid has been accepted.
- 31.2 The notification of award will constitute the formation of the Contract.
- 31.3 Upon the successful Bidder's furnishing of the performance security pursuant to ITB Clause 33, the Procuring agency will promptly notify each unsuccessful Bidder and will discharge its bid security, pursuant to ITB Clause 15.
- 32. Signing of Contract**
- 32.1 At the same time as the Procuring agency notifies the successful Bidder that its bid has been accepted, the Procuring agency will send the Bidder the Contract Form provided in the bidding documents, incorporating all agreements between the parties.
- 32.2 Within thirty (30) days of receipt of the Contract Form, the successful Bidder shall sign and date the contract and return it to the Procuring agency.
- 33. Performance Security**
- 33.1 Within twenty (20) days of the receipt of notification of award from the Procuring agency, the successful Bidder shall furnish the performance security in accordance with the Conditions of Contract, in the Performance Security Form provided in the bidding documents, or in another form acceptable to the Procuring agency.
- 33.2 Failure of the successful Bidder to comply with the requirement of ITB Clause 32 or ITB Clause 33.1 shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid

security, in which event the Procuring agency may make the award to the next lowest evaluated Bidder or call for new bids.

**34. Corrupt or
Fraudulent
Practices**

34.1 The Government of Sindh requires that Procuring agency's (including beneficiaries of donor agencies' loans), as well as Bidders/Suppliers/Contractors under Government-financed contracts, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, the SPPRA, in accordance with the SPP Act, 2009 and Rules made thereunder:

(a) defines, for the purposes of this provision, the terms set forth below as follows:

(i) "corrupt practice" means the offering, giving, receiving or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution; and

(ii) "fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Procuring agency, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Procuring agency of the benefits of free and open competition;

(b) will reject a proposal for award if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;

(c) will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a Government-financed contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a Government-financed contract.

34.2 Furthermore, Bidders shall be aware of the provision stated in sub-clause 5.4 and sub-clause 24.1 of the General Conditions of Contract.

Part One - Section II.
General Conditions of Contract

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General Conditions of Contract

1. Definitions

1.1 In this Contract, the following terms shall be interpreted as indicated:

- (a) "The Contract" means the agreement entered into between the Procuring agency and the Supplier, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
- (b) "The Contract Price" means the price payable to the Supplier under the Contract for the full and proper performance of its contractual obligations.
- (c) "The Goods" means all of the equipment, machinery, and/or other materials which the Supplier is required to supply to the Procuring agency under the Contract.
- (d) "The Services" means those services ancillary to the supply of the Goods, such as transportation and insurance, and any other incidental services, such as installation, commissioning, provision of technical assistance, training, and other such obligations of the Supplier covered under the Contract.
- (e) "GCC" means the General Conditions of Contract contained in this section.
- (f) "SCC" means the Special Conditions of Contract.
- (g) "The Procuring agency" means the organization purchasing the Goods, as named in SCC.
- (h) "The Procuring agency's country" is the country named in SCC.
- (i) "The Supplier" means the individual or firm supplying the Goods and Services under this Contract.
- (j) "The Project Site," where applicable, means the place or places named in SCC.
- (k) "Day" means calendar day.

2. Application

2.1 These General Conditions shall apply to the extent that they are

not superseded by provisions of other parts of the Contract.

3. Country of Origin

3.1 All Goods and Services supplied under the Contract shall have their origin in the countries and territories eligible under the rules and further elaborated in the SCC.

3.2 For purposes of this Clause, "origin" means the place where the Goods were mined, grown, or produced, or from which the Services are supplied. Goods are produced when, through manufacturing, processing, or substantial and major assembly of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.

3.3 The origin of Goods and Services is distinct from the nationality of the Supplier.

T

4.1 The Goods supplied under this Contract shall conform to the standards mentioned in the Technical Specifications, and, when no applicable standard is mentioned, to the authoritative standards appropriate to the Goods' country of origin. Such standards shall be the latest issued by the concerned institution.

5. Use of Contract Documents and Information; Inspection and Audit by the Government

5.1 The Supplier shall not, without the Procuring agency's prior written consent, disclose the Contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the Procuring agency in connection therewith, to any person other than a person employed by the Supplier in the performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.

5.2 The Supplier shall not, without the Procuring agency's prior written consent, make use of any document or information enumerated in GCC Clause 5.1 except for purposes of performing the Contract.

5.3 Any document, other than the Contract itself, enumerated in GCC Clause 5.1 shall remain the property of the Procuring agency and shall be returned (all copies) to the Procuring agency on completion of the Supplier's performance under the Contract if so required by the Procuring agency.

- 5.4 The Supplier shall permit the Procuring agency to inspect the Supplier's accounts and records relating to the performance of the Supplier and to have them audited by auditors appointed by the procuring agency, if so required.
6. Patent Rights
- 6.1 The Supplier shall indemnify the Procuring agency against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof in the Procuring agency's country.
7. Performance Security
- 7.1 Within twenty (20) days of receipt of the notification of Contract award, the successful Bidder shall furnish to the Procuring agency the performance security in the amount specified in SCC.
- 7.2 The proceeds of the performance security shall be payable to the Procuring agency as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.
- 7.3 The performance security shall be denominated in the currency of the Contract acceptable to the Procuring agency and shall be in one of the following forms:
- (a) a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the Procuring agency's country, in the form provided in the bidding documents or another form acceptable to the Procuring agency; or
 - (b) a cashier's or certified check.
- 7.4 The performance security will be discharged by the Procuring agency and returned to the Supplier not later than thirty (30) days following the date of completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless specified otherwise in SCC.
8. Inspections and Tests
- 8.1 The Procuring agency or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract specifications at no extra cost to the Procuring agency. SCC and the Technical Specifications shall specify what inspections and tests the Procuring agency requires and where they are to be conducted. The Procuring agency shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.
- 8.2 The inspections and tests may be conducted on the premises of the Supplier or its subcontractor(s), at point of delivery, and/or at

the Goods' final destination. If conducted on the premises of the Supplier or its subcontractor(s), all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to the Procuring agency.

- 8.3 Should any inspected or tested Goods fail to conform to the Specifications, the Procuring agency may reject the Goods, and the Supplier shall either replace the rejected Goods or make alterations necessary to meet specification requirements free of cost to the Procuring agency.
- 8.4 The Procuring agency's right to inspect, test and, where necessary, reject the Goods after the Goods' arrival in the Procuring agency's country shall in no way be limited or waived by reason of the Goods having previously been inspected, tested, and passed by the Procuring agency or its representative prior to the Goods' shipment from the country of origin.
- 8.5 Nothing in GCC Clause 8 shall in any way release the Supplier from any warranty or other obligations under this Contract.

9. Packing

- 9.1 The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.
- 9.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified in SCC, and in any subsequent instructions ordered by the Procuring agency.

10. Delivery and Documents

- 10.1 Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in the Schedule of Requirements. The details of shipping and/or other documents to be furnished by the Supplier are specified in SCC.
- 10.2 Documents to be submitted by the Supplier are specified in SCC.

11. Insurance

11.1 The Goods supplied under the Contract shall be delivered duty paid (DDP) under which risk is transferred to the buyer after having been delivered; hence insurance coverage is sellers responsibility.

12. Transportation

12.1 The Supplier is required under the Contract to transport the Goods to a specified place of destination within the Procuring agency's country, transport to such place of destination in the Procuring agency's country, including insurance and storage, as shall be specified in the Contract, shall be arranged by the Supplier, and related costs shall be included in the Contract Price.

13. Incidental Services

13.1 The Supplier may be required to provide any or all of the following services, including additional services, if any, specified in SCC:

- (a) performance or supervision of on-site assembly and/or start-up of the supplied Goods;
- (b) furnishing of tools required for assembly and/or maintenance of the supplied Goods;
- (c) furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;
- (d) performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and
- (e) training of the Procuring agency's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.

13.2 Prices charged by the Supplier for incidental services, if not included in the Contract Price for the Goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged for other parties by the Supplier for similar services.

14. Spare Parts

14.1 As specified in SCC, the Supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:

- (a) such spare parts as the Procuring agency may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under the Contract; and
- (b) in the event of termination of production of the spare parts:
 - (i) advance notification to the Procuring agency of the pending termination, in sufficient time to permit the Procuring agency to procure needed requirements; and
 - (ii) following such termination, furnishing at no cost to the Procuring agency, the blueprints, drawings, and specifications of the spare parts, if requested.

15. Warranty

- 15.1 The Supplier warrants that the Goods supplied under the Contract are new, unused, of the most recent or current models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Supplier further warrants that all Goods supplied under this Contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the Procuring agency's specifications) or from any act or omission of the Supplier, that may develop under normal use of the supplied Goods in the conditions prevailing in the country of final destination.
- 15.2 This warranty shall remain valid for twelve (12) months after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the Contract, or for eighteen (18) months after the date of shipment from the port or place of loading in the source country, whichever period concludes earlier, unless specified otherwise in SCC.
- 15.3 The Procuring agency shall promptly notify the Supplier in writing of any claims arising under this warranty.
- 15.4 Upon receipt of such notice, the Supplier shall, within the period specified in SCC and with all reasonable speed, repair or replace the defective Goods or parts thereof, without costs to the Procuring agency.
- 15.5 If the Supplier, having been notified, fails to remedy the defect(s)

within the period specified in SCC, within a reasonable period, the Procuring agency may proceed to take such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Procuring agency may have against the Supplier under the Contract.

16. Payment

16.1 The method and conditions of payment to be made to the Supplier under this Contract shall be specified in SCC.

16.2 The Supplier's request(s) for payment shall be made to the Procuring agency in writing, accompanied by an invoice describing, as appropriate, the Goods delivered and Services performed, and by documents submitted pursuant to GCC Clause 10, and upon fulfillment of other obligations stipulated in the Contract.

16.3 Payments shall be made promptly by the Procuring agency, but in no case later than sixty (60) days after submission of an invoice or claim by the Supplier.

16.4 The currency of payment is Pak. Rupees.

17. Prices

17.1 Prices charged by the Supplier for Goods delivered and Services performed under the Contract shall not vary from the prices quoted by the Supplier in its bid, with the exception of any price adjustments authorized in SCC or in the Procuring agency's request for bid validity extension, as the case may be.

18. Change Orders

18.1 The Procuring agency may at any time, by a written order given to the Supplier pursuant to GCC Clause 31, make changes within the general scope of the Contract in any one or more of the following:

- (a) drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Procuring agency;
- (b) the method of shipment or packing;
- (c) the place of delivery; and/or
- (d) the Services to be provided by the Supplier.

18.2 If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier's performance of any provisions under the Contract, an equitable adjustment shall be

made in the Contract Price or delivery schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this clause must be asserted within thirty (30) days from the date of the Supplier's receipt of the Procuring agency's change order.

- 19. Contract Amendments** 19.1 Subject to GCC Clause 18, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.
- 20. Assignment** 20.1 The Supplier shall not assign, in whole or in part, its obligations to perform under this Contract, except with the Procuring agency's prior written consent.
- 21. Subcontracts** 21.1 The Supplier shall notify the Procuring agency in writing of all subcontracts awarded under this Contract if not already specified in the bid. Such notification, in the original bid or later, shall not relieve the Supplier from any liability or obligation under the Contract.
- 21.2 Subcontracts must comply with the provisions of GCC Clause 3.
- 22. Delays in the Supplier's Performance** 22.1 Delivery of the Goods and performance of Services shall be made by the Supplier in accordance with the time schedule prescribed by the Procuring agency in the Schedule of Requirements.
- 22.2 If at any time during performance of the Contract, the Supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the Goods and performance of Services, the Supplier shall promptly notify the Procuring agency in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, the Procuring agency shall evaluate the situation and may at its discretion extend the Supplier's time for performance, with or without liquidated damages, in which case the extension shall be ratified by the parties by amendment of Contract.
- 22.3 Except as provided under GCC Clause 25, a delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to GCC Clause 23, unless an extension of time is agreed upon pursuant to GCC Clause 22.2 without the application of liquidated damages.
- 23. Liquidated** 23.1 Subject to GCC Clause 25, if the Supplier fails to deliver any or

Damages

all of the Goods or to perform the Services within the period(s) specified in the Contract, the Procuring agency shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in SCC of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in SCC. Once the maximum is reached, the Procuring agency may consider termination of the Contract pursuant to GCC Clause 24.

24. Termination for Default

24.1 The Procuring agency, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate this Contract in whole or in part:

- (a) if the Supplier fails to deliver any or all of the Goods within the period(s) specified in the Contract, or within any extension thereof granted by the Procuring agency pursuant to GCC Clause 22; or
- (b) if the Supplier fails to perform any other obligation(s) under the Contract.
- (c) if the Supplier, in the judgment of the Procuring agency has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

For the purpose of this clause:

“corrupt practice” means the offering, giving, receiving or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution.

“fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Borrower, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Borrower of the benefits of free and open competition.

24.2 In the event the Procuring agency terminates the Contract in whole or in part, pursuant to GCC Clause 24.1, the Procuring agency may procure, upon such terms and in such manner as it deems appropriate, Goods or Services similar to those

undelivered, and the Supplier shall be liable to the Procuring agency for any excess costs for such similar Goods or Services. However, the Supplier shall continue performance of the Contract to the extent not terminated.

25. Force Majeure 25.1 Notwithstanding the provisions of GCC Clauses 22, 23, and 24, the Supplier shall not be liable for forfeiture of its performance security, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

25.2 For purposes of this clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the Procuring agency in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.

25.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Procuring agency in writing of such condition and the cause thereof. Unless otherwise directed by the Procuring agency in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

26. Termination for Insolvency 26.1 The Procuring agency may at any time terminate the Contract by giving written notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the Procuring agency.

27. Termination for Convenience 27.1 The Procuring agency, by written notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Procuring agency's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.

27.2 The Goods that are complete and ready for shipment within thirty (30) days after the Supplier's receipt of notice of termination shall be accepted by the Procuring agency at the

Contract terms and prices. For the remaining Goods, the Procuring agency may elect:

- (a) to have any portion completed and delivered at the Contract terms and prices; and/or
- (b) to cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and Services and for materials and parts previously procured by the Supplier.

28. Resolution of Disputes

28.1 The Procuring agency and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.

28.2 If, after thirty (30) days from the commencement of such informal negotiations, the Procuring agency and the Supplier have been unable to resolve amicably a Contract dispute, either party may require that the dispute be referred for resolution to the formal mechanisms specified in SCC. These mechanisms may include, but are not restricted to, conciliation mediated by a third party, adjudication in an agreed manner and/or arbitration.

29. Governing Language

29.1 The Contract shall be written in the language specified in SCC. Subject to GCC Clause 30, the version of the Contract written in the specified language shall govern its interpretation. All correspondence and other documents pertaining to the Contract which are exchanged by the parties shall be written in the same language.

30. Applicable Law

30.1 The Contract shall be interpreted in accordance with the laws of the Procuring agency's country, unless otherwise specified in SCC.

31. Notices

31.1 Any notice given by one party to the other pursuant to this Contract shall be sent to the other party in writing or by cable, telex, or facsimile and confirmed in writing to the other party's address specified in SCC.

31.2 A notice shall be effective when delivered or on the notice's effective date, whichever is later.

32. Taxes and Duties

32.1 Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods to the Procuring agency.

Notes on the Instructions to Bidders

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

Part One Section I contains provisions that are to be used unchanged. Part Two Section II consists of provisions that supplement, amend, or specify in detail information or requirements included in Part One Section I and which are specific to each procurement.

Matters governing the performance of the Supplier, 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 under Part one Section II, General Conditions of Contract, and/or Part Two Section III, Special Conditions of Contract. If duplication of a subject is inevitable in the other sections of the document prepared by the Procuring agency, care must be exercised to avoid contradictions between clauses dealing with the same matter.

These Instructions to Bidders will not be part of the contract.

Notes on the General Conditions of Contract

The General Conditions of Contract in Part One Section II, read in conjunction with the Special Conditions of Contract in Part Two Section III and other documents listed therein, should be a complete document expressing all the rights and obligations of the parties.

The General Conditions of Contract herein shall not be altered. Any changes and complementary information, which may be needed, shall be introduced only through the Special Conditions of Contract in Part Two Section III.

**Sindh Public Procurement Regulatory
Authority**

Bidding Documents

For

National Competitive Bidding

Procurement of Goods

PART TWO (PROCUREMENT SPECIFIC PROVISIONS)

- Invitation for Bids (IFB)
- Bid Data Sheet (BDS)
- Special Conditions of Contract (SCC)
- Schedule of Requirements
- Technical Specifications
- Sample Form
- Eligibility

Preface

These Bidding Documents have been prepared for use by procuring agencies in the procurement of goods through National Competitive Bidding (NCB).

In order to simplify the preparation of bidding documents for each procurement, the Bidding Documents are grouped in two parts based on provisions which are fixed and that which are specific for each procurement. Provisions which are intended to be used unchanged are in Part one, which includes Section I, Instructions to Bidders, and Section II, General Conditions of Contract. Data and provisions specific to each procurement and contract are included in Part Two which includes Section II, Bid Data Sheet; Section III, Special Conditions of Contract; Section IV, Schedule of Requirements; Section V, Technical Specifications; and the forms to be used in Section I, Invitation for Bids, and Section VI, Sample Forms.

This is Part Two and contains data and provisions specific to each procurement. Care should be taken to check the relevance of the provisions of the Bidding Documents against the requirements of the specific goods to be procured. The following general directions should be observed when using the documents. In addition, each section is prepared with notes intended only as information for the Procuring agency or the person drafting the bidding documents. They shall *not* be included in the final documents, except for the notes introducing Section VI, Forms, where the information is useful for the Bidder.

- (a) Specific details, such as the "name of the Procuring agency" and "address for bid submission," should be furnished in the Invitation for Bids, in the Bid Data Sheet, and in the Special Conditions of Contract. The final documents should contain neither blank spaces nor options.
- (b) Amendments, if any, to the Instructions to Bidders and to the General Conditions of Contract should be made through the Bid Data Sheet and the Special Conditions of Contract, respectively.
- (c) Footnotes or notes in italics included in the Invitation for Bids, Bid Data Sheet, Special Conditions of Contract, and in the Schedule of Requirements are not part of the text of the document, although they contain instructions that the Procuring agency should strictly follow. The final document should contain no footnotes.

- (d) The criteria for bid evaluation and the various methods of evaluation in the Instructions to Bidders (Clauses 25.3 and 25.4, respectively) should be carefully reviewed. Only those that are selected to be used for the procurement in question should be retained and expanded, as required, in the Bid Data Sheet or in the Technical Specifications, as appropriate. The criteria that are not applicable should be deleted from the Bid Data Sheet.
- (e) Clauses included in the Special Conditions of Contract are illustrative of the provisions that should be drafted specifically by the Procuring agency for each procurement.
- (f) The forms provided in Section VI should be completed by the Bidder or the Supplier; the footnotes in these forms should remain, since they contain instructions which the Bidder or the Supplier should follow.

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Part Two

Section I. Invitation for Bids

Notes on the Invitation for Bids

The Invitation for Bids (IFB) shall be issued as an advertisement in at least three newspaper of general circulation in the Province of Sindh or Authorities web site as the case may be, allowing at least fifteen days for NCB and forty five days(45) ICB for bid preparation and submission ;

The Invitation for Bids provides information that enables interested bidders to decide whether to participate. Apart from the essential items listed in the Standard Bidding Documents (SBD), the Invitation for Bids should also indicate any important bid evaluation criteria or qualification requirement (for example, a requirement for a minimum level of experience in manufacturing a similar type of goods for which the Invitation for Bids is issued) and that the bidders should give their best and final prices as no negotiations are allowed.

The Invitation for Bids should be incorporated into the bidding documents. The information contained in the Invitation for Bids must conform to the bidding documents and in particular to the relevant information in the Bid Data Sheet.

**Sindh Public Procurement Regulatory
Authority**

Bidding Documents

For

National Competitive Bidding

Procurement of Goods

PART TWO (PROCUREMENT SPECIFIC PROVISIONS)

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This is part one which is fixed and contains provisions which are to be used unchanged. Each section is prepared with notes intended only as information for the Procuring agency or the person drafting the bidding documents. They shall not be included in the final documents.

Invitation for Bids

Date: [date of issuance of IFB] _____

IFB N°: _____

1. The [name of Procuring agency] has received an allocation from the Public Fund in Pak rupees / Foreign Currency towards the cost of [name of Project]. It is intended that part of the proceeds of this allocated fund will be applied to eligible payments under the contract for [title of contract].
2. The [name of the Procuring agency] now invites sealed bids from eligible bidders for the supply of [brief description of the goods and related services].
3. Interested eligible bidders may obtain further information from and inspect the bidding documents at the office of [name of appropriate purchasing unit] [mailing address of appropriate office for inquiry and issuance of bidding documents and cable, telex, and/or facsimile numbers].
4. A complete set of bidding documents may be purchased by interested bidders on the submission of a written application to the above and upon payment of a nonrefundable fee of [amount in Pak. Rupees].
5. The provisions in the Instructions to Bidders and in the General Conditions of Contract are the provisions of the Sindh Public Procurement Ordinance and its Rules made thereunder which also conform to the requirements of the World Bank *Standard Bidding Documents: Procurement of Goods for National Competitive Bidding, Pakistan, Part One*.
6. Bids must be delivered to the above office on or before [time] on [date] and must be accompanied by a security of [fixed sum or percentage].
7. Bids will be opened in the presence of bidders' representatives who choose to attend at [time and date] at the offices of [address of appropriate office].
8. The bidders are requested to give their best and final prices as no negotiations are expected.



OFFICE OF THE EXECUTIVE ENGINEER FEEDER DIVISION HYDERABAD.

Phone No: 022-9210272

No: SKP/ G-141/

780

of 2017

Hyderabad Dated:- 31 - 07 - 2017.

INVITATION OF BIDS FOR PROCUREMENT OF GOODS AND WORKS.

Sealed Bids as per SPPRA Rules 2010 (Amended 2013) are hereby invited from the interested persons/Suppliers/ Contractors/ Firms to quote their rates for procurement of Goods and Works, regarding repair and maintenance of Machinery of different makes.

1. Bidding document for National Competitive Bidding along with lists of required Materials, Goods, Hiring of Machinery and other works will be issued up to 24/8/17 at 01.00 P.M and will be received back on 25/8/17 @ 2.00 and will be opened on the same day i.e 25/8/17 @ 03.00 P.M by the Procurement Committee in the presence of Contractors or their authorized representatives.

Address: Office of the Executive Engineer, Feeder Division, (Left Bank Barrage Colony near Qasim Chowk Hyderabad

2. The bidding document shall be supported with a Call Deposit / Bid Security

i) Hydraulic Excavator = Rs. 1,00,000/- (Lum Sum)

ii) Transport Vehicles (all kinds of Vehicles), Generator/Crane = Rs. 50,000/- (Lum Sum)

iii). Dumpers/ Loaders/ Dozer = Rs. 50,000/- (Lum Sum)

iv) Workshop Material & Gates Material = Rs. 200,000/- (Lum Sum)

In favour of Executive Engineer, Feeder Division and No bid shall be entertained without call Deposit / Bid Security.

3. Bidding document Fee (Non refundable) will be Rs. 1000/-

4. The rates quoted shall remain valid and effective up to 30th June 2018 for Procurement of Materials, Goods, Hiring of Machinery and other works.

5. The conditional bids will not be entertained.

6. Method of Procurement will be single stage one envelop.

7. The Contractor whose quoted rates stood lowest shall remain bound to provide the Materials, Goods, Hiring of Machinery and other works as and when ordered on need basis during the Financial year 2017-18

8. The rates quoted must be inclusive of all the taxes in-vogue.

Cont: p-2

9. The Bidders must be registered with relevant Provincial and Federal Tax authorities (i.e FBR & SBR).
10. The Bidders will have to produce affidavit that the firm has never been black listed.
11. The payment against procurement of goods and works will be on credit basis, due to non Budgetary mechanical Division, subject to availability of funds as and when received against deposit works of department and delay in payment to firm, will not be challenged in the court of law/ ombudsman @ any stage.


EXECUTIVE ENGINEER
FEEDER DIVISION HYDERABAD

Copy with compliments forwarded: to-

1. The Director (Advertisement) Information & Archived Department Barrack -96 Sindh Secretariat 4-B Karachi, along with 06 (Six) copies, for one insertion in leading daily News Papers of Sindh, Urdu, & English.
2. The Chief Engineer, Irrigation Kotri Barrage, Hyderabad.
3. The Director (A & F), Sindh Public Procurement Regulatory Authority (SPPRA), Karachi Block-8 Secretariat No. 4-A, Court Road Karachi, along with Bidding Documents for hoisting on SPRRA website.
4. The Superintending Engineer, Lower Sindh Drainage Circle Hyderabad for information.
5. Copy to Notice Board.

Section II. Bid Data Sheet

Notes on the Bid Data Sheet

Section II is intended to assist the Procuring agency in providing the specific information in relation to corresponding clauses in the Instructions to Bidders included in Part one Section I, and has to be prepared for each specific procurement.

The Procuring agency should specify in the Bid Data Sheet information and requirements specific to the circumstances of the Procuring agency, the processing of the procurement, the applicable rules regarding bid price and currency, and the bid evaluation criteria that will apply to the bids. In preparing Section II, the following aspects should be checked:

- (a) Information that specifies and complements provisions of Part One Section I must be incorporated.
- (b) Amendments and/or supplements, if any, to provisions of Part One Section I as necessitated by the circumstances of the specific procurement, must also be incorporated.

GOVERNMENT OF SINDH



IRRIGATION DEPARTMENT

**BIDDING DOCUMENTS
FOR
PROCUREMENT OF GOODS & SERVICES FOR
REPAIR & MAINTENANCE OF
HYDRAULIC EXCAVATORS**

No: SKP/G-141/	of 201
Hyderabad Dated: -	- 201

EXECUTIVE ENGINEER
FEEDER DIVISION HYDERABAD.

SPARE PARTS FOR VOLVO EXCAVATOR (EC-210 BLR)
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2	3	4	5
1	Sleeve (6 Nos P.Set) APS	30 Nos	Each	
2	Piston STD Size (6 Nos P.Set) APS	30 Nos	Each	
3	Piston Ring Set STD (6 Nos P.Set) APS	30 Packet	P. Packet	
4	Piston Pin (6 Nos P.Set) APS	5 Sets	P.Set	
5	Piston Lock (6 Nos P.Set) APS	5 Sets	P.Set	
6	Valve Exhaust (6 Nos P.Set) APS	5 Sets	P.Set	
7	Valvue Inlet (6 Nos P.Set) APS	5 Sets	P.Set	
8	Bearing for Cam Shaft APS	35 Nos	Each	
9	Connecting Rod Bearing APS	25 Nos	Each	
10	Main Bearing (6 Nos P.Set) APS	5 Nos	P.Set	
11	Big End bearing APS	5 Nos	P.Set	
12	Bolt for Connecting Rod APS	30 Nos	Each	
13	Nut for Connecting Rod APS	30 Nos	Each	
14	Seal 9L-7600 Rear APS	10 Nos	Each	
15	Main Oil seal Front APS	10 Nos	Each	
16	Head Gas Kit complete APS	5 Nos	Each	
17	Shut Off Switch APS	10 Nos	Each	
18	Fen Belt Set APS	20 Nos	Each	
19	Nozzle Assembly APS	30 Nos	Each	
20	Plunger & Barrel Assyl APS	30 Nos	Each	
21	Fuel Injection Pump Seal Kit APS	10 Nos	P.Kit	
22	Priming Pump Group APS	10 Nos	Each	
23	Joint Assembly APS	10 Nos	Each	
24	Joint Assembly Shaft Complete APS	10 Nos	Each	
25	Fly Wheel Ring APS	20 Nos	Each	
26	Cam Shaft Gear Assembly APS	10 Nos	Each	
27	Lifter APS	20 Nos	Each	
28	Rod Assembly APS	10 Nos	Each	
29	Bolt APS	20 Nos	Each	
30	Cam Shaft Pin APS	10 Nos	Each	
31	Cam Shaft Dowel APS	10 Nos	Each	
32	Water Pump (Body) APS	5 Nos	Each	
33	Washer APS	20 Nos	Each	
34	Water Pump Group APS	5 Nos	Each	
35	Seal APS	20 Nos	Each	
36	Pully APS	5 Nos	Each	
37	Shaft APS	5 Nos	Each	

SPARE PARTS FOR VOLVO EXCAVATOR (EC-210 BLR)
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2	3	4	5
38	Bearing APS	10 Nos	Each	
39	Spacer APS	10 Nos	Each	
40	Impeller APS	5 Nos	Each	
41	Lock APS	5 Nos	Each	
42	Retainer APS	10 Nos	Each	
43	Spring APS	20 Nos	Each	
44	Washer APS	20 Nos	Each	
45	Cap Assembly APS	5 Nos	Each	
46	Cover APS	5 Nos	Each	
47	Bolt APS	10 Nos	Each	
48	Gas Kit APS	5 Kits	P.Kit	
49	Cover APS	5 Nos	Each	
50	Hose APS	20 Nos	Each	
51	Pully Assembly APS	10 Nos	Each	
52	Shield APS	20 Nos	Each	
53	Pointer APS	10 Nos	Each	
54	Fan Assembly APS	8 Nos	Each	
55	Bolt APS	20 Nos	Each	
56	Fly Wheel Housing Group APS	10 Nos	Each	
57	Bolt APS	40 Nos	Each	
58	Washer APS	40 Nos	Each	
59	Bolt APS	20 Nos	Each	
60	Washer APS	20 Nos	Each	
61	Gas Kit APS	5 Kits	P.kit	
62	Housing APS	10 Nos	Each	
63	Oil Pump Group Centre Pump APS	5 Nos	Each	
64	Gas Kit Oil Pump APS	5 Kits	P.kit	
65	Bolt APS	10 Nos	Each	
66	Pin Assembly APS	5 Nos	Each	
67	Seal APS	20 Nos	Each	
68	Rotter Assembly APS	5 Nos	Each	
69	Cover Assembly APS	5 Nos	Each	
70	Guide (Fule Pump) APS	5 Nos	Each	
71	Spring (Fule Pump) APS	10 Nos	Each	
72	Plunger (Fule Pump) APS	30 Nos	Each	
73	Screw (Fule Pump) APS	40 Nos	Each	
74	Radiator Group APS	5 Nos	Each	

SPARE PARTS FOR VOLVO EXCAVATOR (EC-210 BLR)
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2	3	4	5
75	Radiator Core Assembly APS	5 Nos	Each	
76	Core Assembly APS	5 Nos	Each	
77	Oil Filter APS	60 Nos	Each	
78	Fuel Filter APS	30 Nos	Each	
79	Air Cleaner Filter Inner APS	15 Nos	Each	
80	Air Cleaner Filter Outer APS	15 Nos	Each	
81	Water Separator APS	15 Nos	Each	
82	Pre-Air Cleaner Class APS	15 Nos	Each	
83	Elect: Starter Motor Group 24 Volt APS	5 Nos	Each	
84	Alternator Group APS	5 Nos	Each	
85	Pump Drive Group APS	5 Nos	Each	
86	Gear (Pump Drive) APS	5 Nos	Each	
87	Seal (Pump Drive) APS	10 Nos	Each	
88	Gas Kit (Pump Drive) APS	5 Nos	P.Kit	
89	Shim Pack (Pump Drive) APS	10 Nos	Each	
90	Swing Drive Group APS	5 Nos	Each	
91	Hyd: Track Group APS	5 Nos	Each	
92	Plate (Swing Drive) APS	5 Nos	Each	
93	Cone (Swing Drive) APS	5 Nos	Each	
94	Head Group APS	5 Nos	Each	
95	Gas Kit (Head Group) APS	5 Kits	P.Kit	
96	Plate (Head Group) APS	5 Nos	Each	
97	Bearing (Head Group) APS	5 Nos	Each	
98	Piston Assy: (Head Group) APS	5 Nos	Each	
99	Spring (Head Group) APS	20 Nos	Each	
100	Barrel Assembly APS	30 Nos	Each	
101	Shaft APS	5 Nos	Each	
102	Gear Pump Group/Poilet Pump APS	5 Nos	Each	
103	Coupling APS	10 Nos	Each	
104	Ring APS	10 Nos	Each	
105	Piston Motor Group Travel Motor APS	5 Nos	Each	
106	Sowel Group/Sowel Motor APS	5 Nos	Each	
107	Plug swing Motor APS	10 Nos	Each	
108	Rotter swing Motor APS	10 Nos	Each	
109	Seal swing Motor APS	20 Nos	Each	
110	Washer swing Motor APS	30 Nos	Each	
111	Cap swing Motor APS	10 Nos	Each	

SPARE PARTS FOR VOLVO EXCAVATOR (EC-210 BLR)
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2	3	4	5
112	Screw swing Motor APS	40 Nos	Each	
113	Retainer swing Motor APS	10 Nos	Each	
114	Boom Cylinder Seal Kit APS	25 Kits	P.Kit	
115	Bearing Assembly B. cylinder APS	25 Nos	Each	
116	Seal Assembly B.cylinder APS	30 Nos	Each	
117	Stick Cylinder Seal Kit APS	20 Kits	P.Kit	
118	Bucket Cylinder Seal Kit APS	30 Kits	P.Kit	
119	Sowel Motor Seal Kit APS	20 Kits	P.Kit	
120	Parking Break Seal Kit APS	30 Kits	P.Kit	
121	Grease cylinder Seal kit (chain adjuster)	20 Kits	P.Kit	
122	Cylinder Seal Kit APS	30 Kits	P.Kit	
123	Hydraulic Hose (Boom Cylinder) 4 ft long APS	60 Nos	Each	
124	Hydraulic Hose (Boom Cylinder) 2 ft long APS	40 Nos	Each	
125	Hydraulic Hose (stick Cylinder) 5 ft long APS	40 Nos	Each	
126	Hydraulic Hose (stick Cylinder) 4.5 ft long APS	40 Nos	Each	
127	Hydraulic Hose (Bucket Cylinder) 4 ft long APS	60 Nos	Each	
128	Hydraulic Hose (T. motor) 6 ft long APS	40 Nos	Each	
129	Hydraulic Hose (T. motor) 7 ft long APS	40 Nos	Each	
130	Hydraulic Hose (S. motor) 2.5 ft long APS	80 Nos	Each	
131	Hydraulic Hose off size APS	80 Nos	Each	
132	Hydraulic Hose (Hyd. Pump) O/S APS	80 Nos	Each	
133	Hydraulic Hose (Lever) O/S APS	80 Nos	Each	
134	Hydraulic Hose (Boster) O/S APS	30 Nos	Each	
135	Hose Pipe Radiator O/s APS	40 Nos	Each	
136	Hyd: Filter /Element APS	10 Nos	Each	
137	Hyd: Filter /Element Oil APS	10 Nos	Each	
138	Hyd: Element APS	10 Nos	Each	
139	Hyd: Seal APS	20 Nos	Each	
140	Stick Pin APS	15 Nos	Each	
141	Stick Bush APS	15 Nos	Each	
142	Fork Bush APS	15 Nos	Each	
143	Boom Bush APS	15 Nos	Each	
144	Bucket Pin APS	15 Nos	Each	
145	Bucket Bush APS	15 Nos	Each	
146	Bracket Bush APS	15 Nos	Each	
147	Sleave for Pin APS	80 Nos	Each	
148	Side Spacer Stick APS	80 Nos	Each	

SPARE PARTS FOR VOLVO EXCAVATOR (EC-210 BLR)
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2	3	4	5
149	Side Spacer Bucket APS	80 Nos	Each	
150	Pin (Boom) APS	5 Nos	Each	
151	Washer(Boom) APS	20 Nos	Each	
152	Sprocket APS	10 Nos	Each	
153	Washer (Sporcket)APS	20 Nos	Each	
154	Gear APS	5 Nos	Each	
155	Race Roller Assembly APS	10 Nos	Each	
156	Pionin APS	5 Nos	Each	
157	Gas Kit APS	15 Nos	Each	
158	Front Idler Group APS	10 Nos	Each	
159	Idler Assembly APS	10 Nos	Each	
160	Carrier Roller Group APS	20 Nos	Each	
161	Roller APS	10 Nos	Each	
162	Shaft (carrier) APS	10 Nos	Each	
163	Bearing (Idler) APS	20 Nos	Each	
164	Bearing Inner (Idler) APS	20 Nos	Each	
165	Seal (Idler) APS	30 Nos	Each	
166	Rim Assembly (Idler) APS	15 Nos	Each	
167	Collar Outer (Idler) APS	15 Nos	Each	
168	Collar Inner (Idler) APS	15 Nos	Each	
169	Shoft (Idler) APS	15 Nos	Each	
170	Track Chain Link Right APS	40 Nos	Each	
171	Track Chain Link Left APS	40 Nos	Each	
172	Track Chain Pin APS	40 Nos	Each	
173	Track Chain Bush APS	80 Nos	Each	
174	Track Chain Bolt APS	160 Nos	Each	
175	Track Chain Nut APS	160 Nos	Each	
176	Oil Pump	1 No	Each	
177	Volve Spring (Volve Inlet)	6 Nos	Each	
178	Volve Spring (Volve Exhaust)	6 Nos	Each	
179	Volve Spring Lock	12 Nos	Each	
180	Push Rod	12 Nos	Each	
181	Rocker Assy: (Head)	6 Nos	Each	
182	Fan Belt (A.C Comparative)	1 No	Each	
183	Adjusting Roller (A.C Comparative)	1 No	Each	
184	Tapit Cover	1 No	Each	
185	Core for Turbo charger	1 No	Each	

SPARE PARTS FOR VOLVO EXCAVATOR (EC-210 BLR)
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2	3	4	5
186	Water Body (APS)	1 No	Each	
187	Oil Pump Group	1 No	Each	
188	Oil Cooler Core (APS)	1 No	Each	
189	Pump Drive A.C Pump	1 No	Each	
190	Gear A.C Pump	1 No	Each	
191	Poilet Pump	1 No	Each	
192	Hose Pipe Assy: Pump	1 No	Each	
193	Track Chain Adjusting Spring	2 Nos	Each	
194	Carrier Roller Bush	2 Nos	Each	
195	Carrier Roller Bearing	2 Nos	Each	
196	Barrel seal carrier Roller	2 Nos	Each	
197	Carrier Roller Shaft	1 No	Each	
198	Track Chain Roller Shaft	1 No	Each	
199	Track Chain Roller Bush	2 Nos	Each	
200	Track Roller Assy: Seal	4 Nos	Each	
201	Track Roller side Cup	2 Nos	Each	
202	Track Chain Assy: Adjusting shaft left / Right	2 Nos	Each	
203	Idler Wheel Pin Lock	2 Nos	Each	
204	Idler Wheel Bolt	4 Nos	Each	
205	Sprocket Wheel Bolt Left / Right	44 Nos	Each	
206	Clutch Assy: (Final Drive)	1 No	Each	
207	Gear APS (Final Drive)	6 Nos	Each	
208	Shaft (Final Drive)	1 No	Each	
209	Crown Gear (Final Drive)	1 No	Each	
210	O-Ring seal (Final Drive)	1 No	Each	
211	Washer (Final Drive)	1 No	Each	
212	Main Seal APS (Final Drive)	1 No	Each	
213	Crown Gear (Swing Gear)	1 No	Each	
214	Pinion Gear (APS)	1 No	Each	
215	Bearing (APS) (Swing Gear)	2 Nos	Each	
216	Main Seal (APS) (Swing Gear)	1 No	Each	
217	Housing (Swing Gear)	1 No	Each	
218	Planti Gear (Swing Gear)	3 Nos	Each	
219	Sun Gear APS (Swing Gear)	1 No	Each	
220	Star Gear Assy: APS (Swing Gear)	3 Nos	Each	
221	Star Gear APS (Swing Gear)	1 No	Each	
222	Lock APS (Swing Gear)	4 Nos	Each	

SPARE PARTS FOR VOLVO EXCAVATOR (EC-210 BLR)
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2	3	4	5
223	Track Roller	18 Nos	Each	
224	Batteries Terminal	4 Nos	Each	
225	Sealed Beam (Boom)	2 Nos	Each	
226	Sealed Beam (Chasis)	2 Nos	Each	
227	Electric switch	1 No	Each	
228	Main Switch Starting	1 No	Each	
JOB WORK				
1	Head Facing seat cutting & new valve Guide fitting	5 Job	P.Job	
2	Block Boring & checking	5 Job	P.Job	
3	Crank shaft turning Polising, Buffing etc.	5 Job	P.Job	
4	Cam shaft turning turning & Polising etc.	5 Job	P.Job	
5	Connecting Rod Bush fitting etc.	5 Job	P.Job	
6	Swing Motor rep: i.e replacement of Parts & seal kit fitting etc.	10 Job	P.Job	
7	Triviling Motor repairing etc.	5 Job	P.Job	
8	Turbo repairing by new Bush fitting & buffing etc.	5 Job	P.Job	
9	Sproket wheel repairing etc.	10 Job	P.Job	
10	Idler wheel rep: i.e replacement of parts by manufacturing welding etc.	10 Job	P.Job	
11	Hydraulic Cooler Repairing by washing solding etc.	5 Job	P.Job	
12	Rep: of Radiator by solding washing etc.	15 Job	P.Job	
13	Water Body Repairing new bearing, seal fitting etc.	15 Job	P.Job	
14	Generator Rep: i.e replacement of parts etc.	10 Job	P.Job	
15	Injector Service & new Nozzle fitting etc.	10 Job	P.Job	
16	Rep:of swing Motor by prov: parts seal kit etc.	5 Job	P.Job	
17	Rep: of main control valve, by repairing of planger by turning, facing & polising seal etc.	5 Job	P.Job	
18	Rep: of main pump Assy: prov: seal kit, shoft turning, Polishing and carriage fitting etc.	5 Job	P.Job	
19	Repair of Bucket Cylinder, by wealing sizeing Polishing & seal fitting etc.	5 Job	P.Job	
20	Rep: & prov: new Bushes & seal kit for track Roller & rep: its shaft, welding, turning its Body comp:	5 Job	P.Job	
21	Rep: of Break Booster front i.e replacement of seal kit etc.	10 Job	P.Job	
22	Rep: of Rediator by washing, soldering & replacement of its Top & Bottom etc.	5 Job	P.Job	
23	Rep: of self startar i.e new parts fitting etc.	10 Job	P.Job	
24	Callibration of Fuel injection pump i.e new parts fitting etc.	10 Job	P.Job	

SPARE PARTS FOR VOLVO EXCAVATOR (EC-210 BLR)

SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2	3	4	5
25	Valve Grinding, Polising, etc (Inlet & Exhaust)	5 Job	P.Job	
26	Repairing Hydraulic Leaver Left & Right by turning facing polshing prov: seal etc.	5 Job	P.Job	
27	Rep: of water pump i.e wealding of shoft by turning, facing & new seal, Bearing fitting etc.	10 Job	P.Job	
28	Rep: of Boom Jack Cylinder Piston & sleeve by providing seal kit fitting etc.	10 Job	P.Job	
29	Rep: of stick Jack Cylinder Piston & sleeve by providing seal kit fitting etc.	10 Job	P.Job	
30	Rep: of Fork (Boom) by wealing Boring,facing and new sleeves etc.	10 Job	P.Job	
31	Repairing of Fork by new manuf: Bushes fitting etc.	10 Job	P.Job	
32	Mfg: & prov: i.e side spacer for fork etc.	30 Job	P.Job	
33	Repairing of Bucket by wealding, paching Teeth fitting etc.	10 Job	P.Job	
34	Rep: of Traveling Motor i.e replacement of parts fitting etc.	5 Job	P.Job	
35	Rep: of Hydraulic motor & change defective parts fitting etc.	5 Job	P.Job	
36	Rep: of swing Motor Replacement of defective parts fitting etc.	5 Job	P.Job	
37	Rep: of sproket wheel by welding, turning & facing fitting etc.	10 Job	P.Job	
38	Booster repairing complete etc.	10 Job	P.Job	
39	Repairing Bucket by wealding granding Teeth fitting etc.	10 Job	P.Job	
40	Cabin Repair (Operator)	3 Job	P.Job	
41	Electric wiring complete	4 Job	P.Job	
42	Reconditioning replacement of wiring prov: sealed beam cut out & relay	4 Job	P.Job	

Note:- The Quantities may vary and the same will be acquired/ procured from the lowest approved contractor/ supplier as and when required on need basis through out the financial year 2017-18

Executive Engineer
Feeder Division Hyderabad.

CONTRACTOR

SPARE PARTS FOR SAMSUNG EXCAVATOR (LC-210)
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2	3	4	5
1	Piston STD	12 Nos	Each	
2	Piston Ring Set STD	12 Packet	P.Packet	
3	Piston Pin STD	12 Nos	Each	
4	Retiainer Lock APS	12 Nos	Each	
5	Valve Exhaust APS	12 Nos	Each	
6	Value inlet APS	12 Nos	Each	
7	Valve Guide	12 Nos	P.Set	
8	Valve Seat	12 Nos	P.Set	
9	Cam Shaft bush	12 Nos	P.Set	
10	Sleave	12 Nos	Each	
11	Fly Wheel Copulling	4 Nos	Each	
12	Push Rod	2 Nos	Each	
13	Bearing for Cam Shaft APS	2 Nos	Each	
14	Connecting Rod Bearing APS	12 Nos	Each	
15	Main Bearing (6 Nos Per set) APS	2 Set	P.Set	
16	Big end Bearing (6 Nos Per set) APS	2 Set	P.Set	
17	Bolt for Connecting Rod APS	24 Nos	Each	
18	Nut for Connecting Rod APS	24 Nos	Each	
19	Volve Spring (Volve Inlet) (APS)	24 Nos	Each	
20	Volve Spring (Volve Exhaul) (APS)	24 Nos	Each	
21	Volve Spring Cacher Lock (APS)	24 Nos	Each	
22	Seal Rear APS	2 Nos	Each	
23	Main Oil Seal Front APS	2 Nos	Each	
24	Head Gas Kit complete APS	2 Kit	P.Kit	
25	Oil Pump (APS)	2 Nos	Each	
26	Water Body (APS)	2 Nos	Each	
27	Fuel Injection Pump (APS)	2 Nos	Each	
28	A.C Pump (APS)	2 Nos	Each	
29	Self Starter (APS)	2 Nos	Each	
30	Generator (APS)	2 Nos	Each	
31	Hyd: Pump (pilot) (APS)	2 Nos	Each	
32	Hyd: Pump (APS)	2 Nos	Each	
33	Electric Main Swithc (APS)	4 Nos	Each	
34	Starting Switch (APS)	4 Nos	Each	
35	Tapit Cover (APS)	4 Nos	Each	
36	Clutch Assy: (Final Drive) (APS)	4 Nos	Each	
37	Gear (Final Drive) (APS)	4 Nos	Each	

SPARE PARTS FOR SAMSUNG EXCAVATOR (LC-210)
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2	3	4	5
38	Shaft (Final Drive) (APS)	2 Nos	Each	
39	Crown Gear (Final Drive) (APS)	2 Nos	Each	
40	O-Ring Seal (Final Drive) (APS)	2 Nos	Each	
41	Main seal (Final Drive) (APS)	2 Nos	Each	
42	Fan Belt Set APS	8 Nos	Each	
43	Shut off Switch APS	4 Nos	Each	
44	Nozzle Assembly APS	12 Nos	Each	
45	Plunger & Barrel Assembly	12 Nos	Each	
46	Fuel Injeciton pump seal Kit	2 Kit	P.Kit	
47	Priming Pump Group	2 Nos	Each	
48	Joint Assembly APS	2 Nos	Each	
49	Joint Assembly Shaft	2 Nos	Each	
50	Fly Wheel Ring APS	4 Nos	Each	
51	Cam Shaft APS	2 Nos	Each	
52	Cam Shaft Gear Assembly APS	2 Nos	Each	
53	Lifter APS	4 Nos	Each	
54	Rod Assembly APS	4 Nos	Each	
55	Bolt Assembly APS	4 Nos	Each	
56	Cam Shaft Pin APS	4 Nos	Each	
57	Cam shaft with nut bolt	16 Nos	Each	
58	Cam Shaft Gas Kit	2 Kits	P.Kit	
59	Cam shaft cover gas kit	2 Kits	P.Kit	
60	Cam Shaft Dowel APS	2 Nos	Each	
61	Top Kit	2 Kits	P.Kit	
62	Bottom kit	2 Kits	P.Kit	
63	Valve Inlet & Outlet seal	48 Nos	Each	
64	Bolt APS (Inter Pump/Body)	2 Nos	Each	
65	Bolt / Screw 3904446	4 Nos	Each	
66	Bucket 3925275	2 Nos	Each	
67	Lifter APS	2 Nos	Each	
68	Grease Bucket	2 Nos	Each	
69	Rotry assy: 3523318	2 Nos	Each	
70	Nut 3503562	4 Nos	Each	
71	Plunger 3503662	12 Nos	Each	
72	Screw 3503347	8 Nos	Each	
73	Bearing 3503100	8 Nos	Each	
74	Screw 3759912	8 Nos	Each	

SPARE PARTS FOR SAMSUNG EXCAVATOR (LC-210)
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2	3	4	5
75	Plate 3501188	8 Nos	Each	
76	Screw 3521184	8 Nos	Each	
77	Shield 3519302	8 Nos	Each	
78	Gas Kit 3709861	2 Nos	Each	
79	Gas Kit 37065575	2 Nos	Each	
80	Seal APS	4 Nos	Each	
81	Bolt APS	8 Nos	Each	
82	Pully APS	4 Nos	Each	
83	Shaft APS	4 Nos	Each	
84	Washer Aps	8 Nos	Each	
85	Water Pump Group APS	2 Nos	Each	
86	Fan bush	4 Nos	Each	
87	Fan Pully/Spacer3903816	2 Nos	Each	
88	Fan engine 1011-00540	2 Nos	Each	
89	Pully / tensioner 3922900	2 Nos	Each	
90	Bearing APS	4 Nos	Each	
91	Gas Kit	2 Nos	Each	
92	Spacer APS	4 Nos	P.Kit	
93	Impeller APS	4 Nos	Each	
94	Ring APS	8 Nos	Each	
95	Lock APS (Cylinder Head Group)	8 Nos	Each	
96	Retainer	8 Nos	Each	
97	Spring Aps	8 Nos	Each	
98	Washer APS	16 Nos	Each	
99	Insert Exhaust	2 Nos	Each	
100	Insert Inlet	2 Nos	Each	
101	Plug PS	8 Nos	Each	
102	Bolt APS	16 Nos	Each	
103	Cap Assembly APS (TAPIT Cover)	2 Nos	Each	
104	Cover APS	2 Nos	Each	
105	Bolt APS	16 Nos	Each	
106	Gas Kit	2 Nos	Each	
107	Valve Assembly APS	2 Nos	Each	
108	Screw APS	16 Nos	Each	
109	Cover APS	2 Nos	Each	
110	Hose APS	12 Nos	Each	
111	Bolt APS (Engine Main Pully)	8 Nos	Each	

SPARE PARTS FOR SAMSUNG EXCAVATOR (LC-210)
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2	3	4	5
112	Washer APS	16 Nos	Each	
113	Pully Assembly APS	2 Nos	Each	
114	Shield APS	8 Nos	Each	
115	Pointer APS	4 Nos	Each	
116	Fan Assembly APS	2 Nos	Each	
117	Bolt APS	8 Nos	Each	
118	Bolt APS Front Housing Group / Timing Cover	8 Nos	Each	
119	Seal APS	16 Nos	Each	
120	Gas Kit	2 Kit	P.Kit	
121	Bolt APS (Fly Wheel Housing Group)	16 Nos	Each	
122	Washer APS	16 Nos	Each	
123	Bolt APS	20 Nos	Each	
124	Gas Kit	2 Kit	P.Kit	
125	Housing APS	2 Nos	Each	
126	Gas Kit APS (Oil Pan Group Centre Pump	2 Kits	P.Kit	
127	Bolt APS	16 Nos	Each	
128	Ran Assembly APS	2 Nos	Each	
129	Plug APS	4 Nos	Each	
130	Seal APS	8 Nos	Each	
131	Rooter Ass: APS (Oil Pump Group)	2 Nos	Each	
132	Bolt APS	16 Nos	Each	
133	Lock APS	16 Nos	Each	
134	Bolt APS	16 Nos	Each	
135	Cover Assembly APS	2 Nos	Each	
136	Guide APS	2 Nos	Each	
137	Spring APS	16 Nos	Each	
138	Screw APS	32 Nos	Each	
139	Radiator Core Ass:(Radiator Group)	2 Nos	Each	
140	Hose Pipe o/s APS	8 Nos	Each	
141	Clip Assembly APS	2 Nos	Each	
142	Bolt APS (Engine Oil Coller)	10 Nos	Each	
143	Washer APS	10 Nos	Each	
144	Seal APS	10 Nos	Each	
145	Base Group APS	2 Nos	Each	
146	Plug APS	4 Nos	Each	
147	Cap APS	4 Nos	Each	
148	Fitting APS	2 Nos	Each	

SPARE PARTS FOR SAMSUNG EXCAVATOR (LC-210)
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2	3	4	5
149	Spring APS	16 Nos	Each	
150	Valve APS	4 Nos	Each	
151	Gas Kit APS	2 Kits	P.Kit	
152	Cover APS	2 Nos	Each	
153	Nut APS	16 Nos	Each	
154	Bolt APS	16 Nos	Each	
155	Lock Washer APS	16 Nos	Each	
156	Cable Assembly / Thirotor Wire	8 Nos	Each	
157	Oil Filter	16 Nos	Each	
158	Fuel Filter	8 Nos	Each	
159	Water Separator	8 Nos	Each	
160	Cap APS	4 Nos	Each	
161	Bolt APS	16 Nos	P.Kit	
162	Gas Kit APS	2 Nos	P.Kit	
163	Hyd: Filter	8 Nos	Each	
164	Air Cleaner Filter Inner	4 Nos	Each	
165	Air Cleaner Filter Outer	4 Nos	Each	
166	Pre Air Cleaner Glass	4 Nos	Each	
167	Electric Starting Motor 24 Volt Self	2 Nos	Each	
168	Altenator Group (Generator)	2 Nos	Each	
169	Pump Drive Group Aps (Transmission)	2 Nos	Each	
170	Gear APS	2 Nos	Each	
171	Seal APS	16 Nos	Each	
172	Gauge Oil APS	4 Nos	Each	
173	Gas Kit APS	2 Nos	P.Kit	
174	Washer APS	8 Nos	Each	
175	Swing Drive Motor	2 Nos	Each	
176	Plate APS (Hyd: Pump)	4 Nos	Each	
177	Cone Aps (Hyd: Pump)	4 Nos	Each	
178	Bolt APS (Hyd: Pump)	4 Nos	Each	
179	Gas Kit APS (Hyd: Pump)	4 Nos	P.Kit	
180	Plate APS (Hyd: Pump)	4 Nos	Each	
181	Bearing APS (Hyd: Pump)	4 Nos	Each	
182	Plate APS (Hyd: Pump)	4 Nos	Each	
183	Piston APS (Hyd: Pump)	4 Nos	Each	
184	Spring APS (Hyd: Pump)	4 Nos	Each	
185	Barrel Assy: APS (Hyd: Pump)	4 Nos	Each	

SPARE PARTS FOR SAMSUNG EXCAVATOR (LC-210)
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2	3	4	5
186	Shaft APS (Hyd: Pump)	4 Nos	Each	
187	Coupling (POLLET PUMP)	4 Nos	Each	
188	Ring (POLET Pump)	4 Nos	Each	
189	Swiel Motor	2 Nos	Each	
190	Traveling Motor	2 Nos	Each	
191	Boom Cylinder Seal Kit	8 Kits	P.Kit	
192	Bearing Assembly APS	8 Nos	Each	
193	Seal Assembly APS	8 Nos	Each	
194	Bearing Assembly APS	8 Nos	Each	
195	Seal Assembly APS	8 Nos	Each	
196	Stick Cylinder Seal Kit	12 Kits	P.Kit	
197	Bucket Cylinder Seal Kit	12 Kits	P.Kit	
198	Crown Gear (Swing Gear) (APS)	4 Nos	Each	
199	Pinion Gear (Swing Gear) (APS)	4 Nos	Each	
200	Bearing (Swing Gear) (APS)	4 Nos	Each	
201	Housing (Swing Gear) (APS)	4 Nos	Each	
202	Planti Gear (Swing Gear) (APS)	4 Nos	Each	
203	Sun Gear (Swing Gear) (APS)	4 Nos	Each	
204	starter Gear (Swing Gear) (APS)	4 Nos	Each	
205	Cylincer (APS)	4 Nos	Each	
206	Bolt (Track Roller) (APS)	40 Nos	Each	
207	Nut & Bolt (Carrior Roller) (APS)	40 Nos	Each	
208	Carrior Roller Bearing (APS)	10 Nos	Each	
209	Barrel seal (Carrior Roller) (APS)	10 Nos	Each	
210	Shaft (Carrior Roller) (APS)	10 Nos	Each	
211	Bush (Track Roller) (APS)	10 Nos	Each	
212	Seal Assy: (Track Roller) (APS)	10 Nos	Each	
213	Side cup (Track Roller) (APS)	10 Nos	Each	
214	Track Chain Adj: Shaft Left / Right (APS)	20 Nos	Each	
215	Idler Pin Lock (APS)	8 Nos	Each	
216	Idler Bolt Lock (APS)	8 Nos	Each	
217	Sprocket Wheel Bolt Left / Right (APS)	20 Nos	Each	
218	Sealed beam 24 Volt	4 Nos	Each	
219	Battery Terminal (APS)	4 Nos	Each	
220	Swell Motor Seal Kit	8 Kits	P.Kit	
221	Parking Break Seal Kit	8 Kits	P.Kit	
222	Grease Cyl: Seal Kit (Tack Chain Adjuster)	8 Kits	P.Kit	

SPARE PARTS FOR SAMSUNG EXCAVATOR (LC-210)
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2	3	4	5
223	Hyd: Filter/Element APS	6 Nos	Each	
224	Hyd: Hose Seal o/s APS	100 Nos	Each	
225	Stick Pin APS	8 Nos	Each	
226	Fork Bush APS	8 Nos	Each	
227	Boom Bush APS	16 Nos	Each	
228	Bucket Bush APS	8 Nos	Each	
229	Bucket Pin APS	8 Nos	Each	
230	Bracket Bush APS	8 Nos	Each	
231	Side Spacer Stick APS	100 Nos	Each	
232	Side Spacer Bucket APS	100 Nos	Each	
233	Final Drive Group APS	2 Nos	Each	
234	Front Idler Group APS	2 Nos	Each	
235	Carrier Roller Group APS	8 Nos	P.Set	
236	Track Roller Group APS	16 Nos	Each	
237	Track Chain Link Right APS	100 Nos	Each	
238	Track Chain Link Left APS	100 Nos	Each	
239	Track Chain Pin APS	100 Nos	Each	
240	Track Chain Bush APS	200 Noa	Each	
241	Track Chain Bolt APS	400 Nos	Each	
242	Track Chain Nut APS	400 Nos	Each	
243	Hose Inlet (Rediator) 1015-00110	16 Nos	Each	
244	Hose Inlet (Rediator) 1015-00220	16 Nos	Each	
245	Hydraulic Hose Assy: 1025-01410	16 Nos	Each	
246	Hose Assy: 1025-01820	20 Nos	Each	
247	Hose Assy: 1025-01340	10 Nos	Each	
248	Hose Assy: 1025-4830	30 Nos	Each	
249	Hose Assy: 0473-05617	40 Nos	Each	
250	Hose Assy: 0453-05518	20 Nos	Each	
251	House Assembly 0453-06216	10 Nos	Each	
252	Hydraulic Hose Assembly 0453-02341	30 Nos	Each	
253	Hydraulic Hose Assembly 0453-2314	10 Nos	Each	
254	Hydraulic Hose Assembly 0473-05615	15 Nos	Each	
255	Hydraulic Hose Assembly 0453-04338	12 Nos	Each	
256	Hydraulic Hose Assembly 0453-04347	25 Nos	Each	
257	Hydraulic Hose Assembly 9451-02332	30 Nos	Each	
258	Hydraulic Hose Assembly 9451-2331	15 Nos	Each	
259	Hydraulic Hose Assembly 9453-02324	10 Nos	Each	

SPARE PARTS FOR SAMSUNG EXCAVATOR (LC-210)
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2	3	4	5
260	Hydraulic Hose Assembly 9453-02354	6 Nos	Each	
261	Hydraulic Hose Assembly 9453-02612	6 Nos	Each	
262	Hydraulic Hose Assembly 9453-02347	6 Nos	Each	
263	Hydraulic Hose Assembly 9454-02314	6 Nos	Each	
264	Hyd: Hose Pipe (APS)	20 Nos	Each	
265	Hyd: Hose (Jack Cylinder)	10 Nos	Each	
266	Hyd: Hose (Stick Cylinder)	10 Nos	Each	
267	Hyd: Hose (Boom Cylinder)	10 Nos	Each	
268	Hyd: Hose (Bucket Cylinder)	10 Nos	Each	
269	Hyd: Hose (T-Motor)	10 Nos	Each	
270	Hyd: Hose (Booster)	10 Nos	Each	
271	Hyd: Hose (Swing Motor)	10 Nos	Each	
272	Housing 3522390	2 Nos	Each	
273	Diffuser 3522801	2 Nos	Each	
274	Seal Racket Angular 3502449	2 Nos	Each	
275	Shaft 3519336	2 Nos	Each	
276	Impeller 3521711	2 Nos	Each	
277	Baffle 3758848	2 Nos	Each	
278	Bearing 3525739	4 Nos	Each	
279	Ring Retaining 3762259	4 Nos	Each	
280	Housing 3528206	2 Nos	Each	
281	Seal 3756754	8 Nos	Each	
282	Housing 3519409	2 Nos	Each	
283	Clamp 3903652	4 Nos	Each	
284	Bearing 1081-00280	4 Nos	Each	
285	Ring Seal 1081-00200	4 Nos	Each	
286	Carrier Roller Shaft 1081-00210	4 Nos	Each	
287	Collar 1081-00221	2 Nos	Each	
288	Cover 1081-00250	2 Nos	Each	
289	Shell Roller 1081-03690	2 Nos	Each	
290	Bushing 1081-01100	4 Nos	Each	
291	Roller Shaft 1081-01090	4 Nos	Each	
292	Ring Seal APS	8 Nos	Each	
293	Plug 1081-00300	2 Nos	Each	
294	Shaft Assembly 1046-00590	2 Nos	Each	
295	Cover 1046-00600	2 Nos	Each	
296	Spacer 1046-00610	2 Nos	Each	

SPARE PARTS FOR SAMSUNG EXCAVATOR (LC-210)
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2	3	4	5
297	Ring Retaining 5941-01090	2 Nos	Each	
298	Seal FZ-164610	4 Nos	Each	
299	O-Ring C 00067B	4 Nos	Each	
300	O-Ring C 00219B	4 Nos	Each	
301	Valve Spring 3900276	8 Nos	Each	
302	Connecting Rod	2 Nos	Each	
303	Retainer 3900299	2 Nos	Each	
304	Screw 3920780	16 Nos	Each	
305	Rod Push 3904679	2 Nos	Each	
306	Lever Rocker 3910811	2 Nos	Each	
307	Gear Fly Wheel 3905427	2 Nos	Each	
308	Engine Fan 1011-00540	2 Nos	Each	
309	Pump Tube Oil 3918210	2 Nos	Each	
310	Tappet Cover Gas Kit 3902666	2 Nos	P.Kit	
311	Oil Cooler Core 3918289	2 Nos	Each	
312	Nozzel Injector 3903313	12 Nos	Each	
313	Coupling 1012-01360	8 Nos	Each	
314	Temprature Gauge APS	2 Nos	Each	
315	Gauge Oil (APS)	2 Nos	Each	
316	Ampere Meter APS	2 Nos	Each	
317	Radiator Core APS	2 Nos	Each	
318	Hydraulic Hose Assembly 947-05616	8 Nos	Each	
319	HydraulicHose Assembly 1043-00101	8 Nos	Each	
320	HydraulicHose Assembly 9453-04338	8 Nos	Each	
321	HydraulicHose Assembly 9453-02347	8 Nos	Each	
322	HydraulicHose Assembly 9495-15628	8 Nos	Each	
323	HydraulicHose Assembly 9495-06618	8 Nos	Each	
324	HydraulicHose Pipe Assembly 1074-07310	8 Nos	Each	
325	HydraulicHose Assembly 9495-05620	8 Nos	Each	
326	HydraulicHose Assembly 9495-05634	8 Nos	Each	
327	HydraulicHose Assembly 9495-06634	8 Nos	Each	
328	HydraulicHose Assembly 9453-32616	8 Nos	Each	
329	Piston Gear 1750-62980	2 Nos	Each	
330	Star Gear (APS)	2 Nos	Each	
331	Sun Gear 7514-191	2 Nos	Each	
332	Sun Gear 7514-193	2 Nos	Each	
333	Sun Gear 7514-196	2 Nos	Each	

SPARE PARTS FOR SAMSUNG EXCAVATOR (LC-210)
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2	3	4	5
334	Bushing 7591-011	4 Nos	Each	
335	Pin (APS)	4 Nos	Each	
336	Shim Pack (APS)	2 Nos	Each	
337	Lock (APS)	2 Nos	Each	
338	Plenty Gear (APS)	2 Nos	Each	
339	Bucket Teeth (APS)	16 Nos	Each	
340	Blade Side Right Hand (APS)	4 Nos	Each	
341	Blade Side Left Hand (APS)	4 Nos	Each	
342	Bolt (APS)	16 Nos	Each	
343	Nut (APS)	16 Nos	Each	
344	Bushing 1081-03270	4 Nos	Each	
345	Shaft 1081-02060	2 Nos	Each	
346	Ring Seal (APS)	8 Nos	Each	
347	Cup Seal (APS)	8 Nos	Each	
348	Washer (APS)	8 Nos	Each	
349	Spring Track Chain Ad: 1081-00550	8 Nos	Each	
350	Piston (APS)	8 Nos	Each	
351	Track Chain Grease Nipple (APS)	4 Nos	Each	
Job Work				
1	Head Facing Seat Cutting & New Valve Guide Fitting etc.	2 Jobs	P.Job	
2	Block Boring & Checking	2 Jobs	P.Job	
3	Crank Shaft Turning, facing, polishing Buffing etc.	2 Jobs	P.Job	
4	Cam Shaft Turning, polishing, buffing etc.	2 Jobs	P.Job	
5	Connecting Rod Bush fitting etc.	2 Jobs	P.Job	
7	Swing Motor Repairing i.e Replacement of Seal kit fitting etc.	2 Jobs	P.Job	
8	Traveling motor Repairing complete.	2 Jobs	P.Job	
9	Hydraulic Pump Repairing complete	2 Jobs	P.Job	
10	Turbo Repairing by providing parts etc	2 Jobs	P.Job	
11	sprocket Wheel Repairing complete etc	4 Jobs	P.Job	
12	Idler Wheel Repairing i.e Replacement of Parts etc.	4 Jobs	P.Job	
13	Hydraulic Cooler Repairing by washing etc.	2 Jobs	P.Job	
14	Radiator Rep: Washing & Cleaning soldring etc.	8 Jos	P.Job	
15	Water Body Repairing complete etc.	4 Jobs	P.Job	

SPARE PARTS FOR SAMSUNG EXCAVATOR (LC-210)
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2	3	4	5
16	Generator Rep: i.c Replcement of Parts etc.	4 Jobs	P.Job	
18	Injector ser: & New Nozzle Fitting, setting etc	4 Jobs	P.Job	
19	Rep: of Swing Motor prov: New Bushes etc	2 Jobs	P.Job	
20	Rep: of main contorl valve, polishing & facing its plunger polising seat fitting etc.	4 Jobs	P.Job	
21	Rep: of main Pump Assy: prov: Seal, Kit, polishing its cartridge & Shaft fitting etc.	2 Jobs	P.Job	
22	Manfg: Bucket Cylinder Piston & polishing seal fitting etc.	2 Jobs	P.Job	
23	Rep: & Prov: new bsuhes & seal kit for Carrier Roller Complete etc.	2 Jobs	P.Job	
24	Repiring of track Rollerby welding of shaft ,turning, facing by providing new bush, seal kit fitting comp: etc	2 Jobs	P.Job	
25	Replacement of wiring prov: sealed beam cut out & Relay etc.	2 Jobs	P.Job	
26	Rep: of Break Boaster Front i/c Replacement of Seal Kit fitting etc.	8 Jos	P.Job	
27	Rep: of Brak Boaster Rear i/c Replacement of seal kit fitting etc.	8 Jos	P.Job	
28	Rep: of Radiator i/c replacement of its Top & Bottom washing cleaning etc.	2 Jobs	P.Job	
29	Rep: of Self starter i/c new parts, fitting complete.	4 Jobs	P.Job	
30	Celebration of Fuel injection Pump new parts fitting complete.	4 Jobs	P.Job	
31	Valve Griding, facing required size, (inlet & Exhaust) etc	2 Jobs	P.Job	
32	Hydraulic Leaver rep: left & righth providing seal	2 Jobs	P.Job	
33	Rep: of water pump i/c Seal, Bearing & New Part fitting complete etc.	4 Jobs	P.Job	

SPARE PARTS FOR SAMSUNG EXCAVATOR (LC-210)
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2	3	4	5
34	Repairing of Boom Jack Cylinder Piston & Sleeve, sizeing fitting etc.	2 Jobs	P.Job	
35	Rep: of Stick Jack Cylinder Piston & Sleeve	4 Jobs	P.Job	
36	Rep: of Boom Fork by welding Boring, Turning mfg: new Sleeve fitting	4 Jobs	P.Job	
37	Repairing Fork Bsuh Fitting welding etc.	4 Jobs	P.Job	
38	Repairing of Side Spacer APS	4 Jobs	P.Job	
39	Repairing of Bucket Bush Fitting welding etc.	4 Jobs	P.Job	
40	Rep: of Bucket Prov: Bucket Teeth fitting etc.	4 Jobs	P.Job	
41	Rep: of Traveling Motor i/c Replacement of all parts, seal kit fitting etc.	2 Jobs	P.Job	
42	Rep: of Hyd: Motor & Change its defective parts and seal kit fitting etc.	2 Jobs	P.Job	
43	Rep: of Swing Motor Replacement of defecetive parts seal kit fitting etc.	2 Jobs	P.Job	
44	Rep: of Sprocket Wheel by Welding, grading, Turnning, & Facing etc.	4 Jobs	P.Job	
46	Repairing Bucket Cylinder Piston Pin & polishing, Buffing and fitting etc.	2 Jobs	P.Job	
48	Booster Repairing complete.	4 Jobs	P.Job	
49	Bucket Repairing by welding, paching, briding, & teath fitting etc.	4 Jobs	P.Job	
50	Parking Break repair	2 Job	P.Job	
51	Rep: of Cabin	2 Job	P.Job	

Note:- The Quantities may vary and the same will be acquired/ procured from the lowest approved contractor/ supplier as and when required on need basis through out the financial year 2017-18

Executive Engineer
Feeder Division Hyderabad.

CONTRACTOR

SPARE PARTS FOR HYDRAULIC EXCAVATOR LC-225

Schedule of Price

S.No.	Description of Item	Quantity	Unit	Rate.
1	2	3	4	5
1	Sleeve (APS)	24 Nos	Each	
2	Piston STD size (APS)	24 Nos	Each	
3	Piston Ring Set STD (APS)	24 Nos	Each	
4	Piston Pin (APS)	24 Nos	Each	
5	Piston Lock (APS)	24 Nos	Each	
6	Valve Exhaust (APS)	24 Nos	Each	
7	Valve Inlet (APS)	24 Nos	Each	
8	Bearing for Cam Shaft (APS)	24 Nos	Each	
9	Connecting Rod Bearing (APS)	24 Nos	Each	
10	Main Bearing (APS)	8 Nos	Each	
11	Big end Bearing (APS)	20 Nos	Each	
12	Nut for connecting Rod (APS)	40 Nos	Each	
13	Bolt for connecting Rod (APS)	40 Nos	Each	
14	Seal Rear (APS)	12 Nos	Each	
15	Main Oil Seal Frong (APS)	8 Nos	Each	
16	Head Gas Kit (APS)	4 Kits	P.Kit	
17	Stut off switch (APS)	8 Nos	Each	
18	Fan Belf (3 Nos) (APS)	24 Set	P.Set.	
19	Nozzle Assembly (APS)	24 Nos	Each	
20	Thirst Coller (Crank) (APS).	4 Set	P. Set	
21	Plunger & Berral Assembly (APS)	24 Nos	Each	
22	Fuel Injection pump Seal Kit. (APS)	24 Kits	P-Kit	
23	Priming Pum Group (APS)	8 Nos	Each	
24	Joint Assembly (APS)	4 Nos	Each	
25	Joint Assembly Shaft complete (APS)	8 Nos	Each	
26	Fly Wheel Ring (APS)	4 Nos	Each	
27	Cam Shaft (APS)	4 Nos	Each	
28	Cam Shaft Gear Assemnbly (APS)	4 Nos	Each	
29	Lifter (APS)	8 Nos	Each	
30	Rod Asembly (APS)	8 Nos	Each	
31	Bolt (APS)	16 Nos	Each	
32	Cam Shaft (APS)	24 Nos	Each	
33	Cam Shaft Pin (APS)	24 Nos	Each	
34	Gas Kit (Cam Shaft)(APS)	8 Kits	P.Kit	
35	Water Pump (Body) (APS)	8 Nos	Each	
36	Washer (APS)	8 Nos	Each	
37	Water Pump Group (APS)	4 Nos	Each	
38	Seal (APS)	8 Nos	Each	
39	Pully (APS)	8 Nos	Each	
40	Shaft (APS)	8 Nos	Each	
41	Bearing (APS)	16 Nos	Each	
42	Spacer (APS)	16 Nos	Each	

43	Impeller (APS)	8 Nos	Each	
44	Cylinder Head Group (APS)	8 Nos	Each	
45	Lock (APS)	12 Nos	Each	
46	Retainer (APS)	16 Nos	Each	
47	spring (APS)	16 Nos	Each	
48	Washer (APS)	24 Nos	Each	
49	Insert Exhaust (APS)	12 Nos	Each	
50	Insert Inlet (APS)	12 Nos	Each	
51	Cap Assembly (APS)	8 Nos	Each	
52	Cover (APS)	4 Nos	Each	
53	Bolt (APS)	16 Nos	Each	
54	Gas Kit (APS)	8 Kits	P-Kit	
55	Cover (APS)	12 Nos	Each	
56	Valve Assembly (APS)	8 Nos	Each	
57	Gas Kit (APS)	4 Kits	P-Kit	
58	Hose (APS)	16 Nos	Each	
59	Pully Assembly (APS)	16 Nos	Each	
60	Shield (APS)	8 Nos	Each	
61	Pointer (APS)	8 Nos	Each	
62	Fan Assembly (APS)	8 Nos	Each	
63	Bolt (APS)	16 Nos	Each	
64	Fly Wheel Housing Group (APS)	8 Nos	Each	
65	Bolt (APS)	16 Nos	Each	
66	Washer (APS)	8 Nos	Each	
67	Bolt (APS)	16 Nos	Each	
68	Washer (APS)	16 Nos	Each	
69	Gas Kit (APS)	16 Nos	Each	
70	Housing (APS)	24 Nos	Each	
71	Oil Pump Group Center pump (APS)	4 Nos	Each	
72	Gas Kit (APS)	4 Kits	P-Kit	
73	Bolt (APS)	8 Nos	Each	
74	Pin Assembly (APS)	8 Nos	Each	
75	Seal (APS)	16 Nos	Each	
76	Oil Pump Group (APS)	4 Nos	Each	
77	Rotter Assembly (APS)	4 Nos	Each	
78	Cover Assembly (APS)	4 Nos	Each	
79	Guide (APS)	16 Nos	Each	
80	Spring (APS)	16 Nos	Each	
81	Plunger (APS)	24 Nos	Each	
82	Screw (APS)	20 Nos	Each	
83	Radiator Group (APS)	4 Nos	Each	
84	Radiator Core assembly (APS)	4 Nos	Each	
85	Core assembly (APS)	4 Nos	Each	
86	Oil Filter (APS)	20 Nos	Each	
87	Fule filter (APS)	20 Nos	Each	
88	Air Cleaner Filter Inner (APS)	10 Nos	Each	
89	Air Cleaner Filter outer (APS)	10 Nos	Each	

90	Water Sparator (APS)	20 Nos	Each
91	Pre-Air Cleaner Class (APS)	8 Nos	Each
92	Elect: Starter Motor Group 24 Volt (APS)	4 Nos	Each
93	Altemator Group (Gent) (APS)	3 Nos	Each
94	Pump Drive Group (APS)	4 Nos	Each
95	Gear (94 Theet) (APS)	4 Nos	Each
96	Gear (APS)	4 Nos	Each
97	Seal 3F-8733(APS)	16 Nos	Each
98	Seal 5F-3106(APS)	16 Nos	Each
99	Gauge Oil (APS)	16 Nos	Each
100	Seal 8M-446 (APS)	10 Nos	Each
101	Gas Kit (APS)	10 Kits	P-Kit
102	Shim Pack (APS)	8 Nos	Each
103	Swing Drive Group (APS)	8 Nos	Each
104	Hyd: Track Group (APS)	10 Nos	Each
105	Piston Pump Group Hyd: Pump (APS)	12 Nos	Each
106	Plate (APS)	8 Nos	Each
107	Cone (APS)	8 Nos	Each
108	Head Group (APS)	8 Nos	Each
109	Gas Kit (APS)	8 Kits	P-Kit
110	Plate (APS)	8 Nos	Each
111	Bearing (APS)	8 Nos	Each
112	Plate (APS)	8 Nos	Each
113	Plate (APS)	8 Nos	Each
114	Piston Asembly (APS)	8 Nos	Each
115	Spring (APS)	16 Nos	Each
116	Berral Assembly (APS)	16 Nos	Each
117	Shaft (APS)	4 Nos	Each
118	Gear Opump Group Poilet Pump (APS)	4 Nos	Each
119	Coupling (APS)	16 Nos	Each
120	Ring (APS)	8 Nos	Each
121	Piston Motor Group Travel Motor (APS)	4 Nos	Each
122	Swivel Group Swivel Motor (APS).	3 Nos	Each
123	Plug (APS).	8 Nos	Each
124	Rooter (APS).	8 Nos	Each
125	Seal (APS).	16 Nos	Each
126	Washer (APS).	16 Nos	Each
127	Cap (APS).	8 Nos	Each
128	Screw (APS).	16 Nos	Each
129	Retainer (APS).	16 Nos	Each
130	Boom Cylinder Seal Kit (APS)	8 Kits	P.Kit
131	Bearing Assembly (APS).	8 Nos	Each
132	Seal Assembly (APS).	8 Nos	Each
133	Bearing Assembly (APS).	8 Nos	Each
134	Seal Assembly (APS).	16 Nos	Each
135	Stick Cylinder Seal Kit. (APS)	16 Kits	P-Kit
136	Bucket Cylinder Seal kit (APS).	16 Kits	P.Kit

137	Sewell Moto Seal Kit (APS)	16 Kits	P.Kit	
138	Parking Break seal kit (APS)	16 Kits	P.Kit	
139	Grease Cylinder Seal kit. (APS)	16 Kits	P.Kit	
140	Hydraulic Hose Assembly 8K-3214 (APS).	8 Nos	Each	
141	Hydraulic Hose Assembly 8K-3215 (APS).	8 Nos	Each	
142	Hydraulic Hose Assembly 8K-3209 (APS).	12 Nos	Each	
143	Hydraulic Hose Assembly 8K-3211 (APS).	16 Nos	Each	
144	Hydraulic Hose Assembly 8K-3219 (APS).	10 Nos	Each	
145	Hydraulic Hose Assembly 8K-3213 (APS).	15 No	Each	
146	Hydraulic Hose Assembly 8K-3208 (APS).	12 Nos	Each	
147	Hydraulic Hose Assembly 8K-3202 (APS).	18 Nos	Each	
148	Hydraulic Hose Assembly 8K-3210 (APS).	12 Nos	Each	
149	Hydraulic Hose Assembly 8K-4005 (APS).	10 Nos	Each	
150	Hydraulic Hose Assembly 8K-3077 (APS).	8 Nos	Each	
151	Hydraulic Hose Assembly 8K-9171 (APS).	12 Nos	Each	
152	Hydraulic Hose Assembly 8K-9732 (APS).	8 Nos	Each	
153	Hydraulic Hose Assembly 3V-1481 (APS).	10 Nos	Each	
154	Hydraulic Hose Assembly 4V-6019 (APS).	12 Nos	Each	
155	Hydraulic Hose Assembly 4V-6019 (APS).	8 Nos	Each	
156	Hydraulic Hose Assembly 7V-7280 (APS).	10 Nos	Each	
157	Hydraulic Hose Assembly 7V-7281 (APS).	8 Nos	Each	
158	Hydraulic Hose Assembly 8K-3220 (APS).	8 Nos	Each	
159	Hydraulic Hose Assembly 8K-4810 (APS).	10 Nos	Each	
160	Hydraulic Hose Assembly 8K-4003 (APS).	12 Nos	Each	
161	Hydraulic Hose Assembly 8K-0768 (APS).	20 Nos	Each	
162	Hydraulic Hose Assembly 8K-4072 (APS).	12 Nos	Each	
163	Hydraulic Hose Assembly 8K-973 (APS).	10 Nos	Each	
164	Hydraulic Hose Assembly 8K-1691 (APS).	12 Nos	Each	
165	Hydraulic Hose Assembly 5V-5527 (APS).	8 Nos	Each	
166	Hydraulic Hose Assembly 5V-5525 (APS).	14 Nos	Each	
167	Hydraulic Hose Assembly 5V-5524 (APS).	10 Nos	Each	
168	Hydraulic Hose Assembly 5V-5526 (APS).	12 Nos	Each	
169	Hydraulic Hose Assembly 5V-5529 (APS).	8 Nos	Each	
170	Hydraulic Hose Assembly 2V-0153 (APS).	8 Nos	Each	
171	Hydraulic Hose Assembly 2V-0995 (APS).	10 Nos	Each	
172	Hydraulic Hose Assembly 2V-0554 (APS).	12 Nos	Each	
173	Hydraulic Hose Assembly 2V-0592 (APS).	10 Nos	Each	
174	Hydraulic Hose Assembly 2V-0596 (APS).	12 Nos	Each	
175	Hydraulic Hose Assembly 2V-8572 (APS).	8 Nos	Each	
176	Hydraulic Hose Assembly 3V-8853 (APS).	8 Nos	Each	
177	Hydraulic Hose Assembly 3V-9614 (APS).	10 Nos	Each	
178	Hydraulic Hose Assembly 3V-8850 (APS).	12 Nos	Each	
179	Hydraulic Hose Assembly 7V-1073 (APS).	10 Nos	Each	
180	Hydraulic Hose Assembly 9V-1670 (APS).	8 Nos	Each	
181	Hydraulic Hose Assembly 9V-1671 (APS).	8 Nos	Each	
182	Hydraulic Hose Assembly 8V-8646 (APS).	6 Nos	Each	
183	Hydraulic Hose Assembly 6V-2445 (APS).	8 Nos	Each	

184	Hydraulic Hose Assembly 6V-4540 (APS).	8 Nos	Each	
185	Hydraulic Hose Assembly IP-3703 (APS).	10 Nos	Each	
186	Hydraulic Hose Assembly IP-3704 (APS).	12 Nos	Each	
187	Hydraulic Hose Assembly IP-3705 (APS).	8 Nos	Each	
188	Hydraulic Filer/ Element (APS).	8 Nos	Each	
189	Hydraulic Filer/ Element Oil (APS).	6 Nos	Each	
190	Hydraulic Element (APS).	10 Nos	Each	
191	Hydraulic Seal (APS).	10 Nos	Each	
192	Stick Pin (APS)	12 Nos	Each	
193	Stick Bush (APS)	12 Nos	Each	
194	Fork Bush (APS)	12 Nos	Each	
195	Boom Bush (APS).	16 Nos	Each	
196	Bucket Pin (APS)	16 Nos	Each	
197	Bucket Bush (APS)	16 Nos	Each	
198	Bracket Bush (APS)	12 Nos	Each	
199	Sleeve (APS)	8 Nos	Each	
200	Side Spacer Stick (APS)	16 Nos	Each	
201	Side Spacer Bucket (APS)	16 Nos	Each	
202	Pin 2V-705 (APS).	4 Nos	Each	
203	Pin 2V-1722 (APS).	4 Nos	Each	
204	Pin 3V-4874 (APS).	4 Nos	Each	
205	Pin 2V-1720 (APS).	8 Nos	Each	
206	Pin 5V-3784 (APS).	8 Nos	Each	
207	Pin 9T-2358 (APS).	8 Nos	Each	
208	Washer (APS).	8 Nos	Each	
209	Final drive Group (APS).	8 Nos	Each	
210	Sprocket (APS).	8 Nos	Each	
211	Washer (APS).	16 Nos	Each	
212	Gear (45 Teeth) (APS).	8 Nos	Each	
213	Race & Roller Assembly (APS).	8 Nos	Each	
214	Pinion 12 Teeth (APS).	16 Nos	Each	
215	Gas Kit (APS).	4 Kits	P-Kit	
216	Front idler Group (APS).	8 Nos	Each	
217	Idler Assembly (APS).	8 Nos	Each	
218	Carrier Roller Group (APS).	16 Nos	Each	
219	Roller Assembly (APS).	8 Nos	Each	
220	Shaft (APS).	8 Nos	Each	
221	Bearing Assembly (APS).	8 Nos	Each	
222	Bearing Inner (APS).	8 Nos	Each	
223	Seal IH-6652 (APS).	8 Nos	Each	
224	Rim Assembly (APS).	12 Nos	Each	
225	Collar Outer (APS).	8 Nos	Each	
226	Shaft (APS).	8 Nos	Each	
227	Collar Inner (APS).	8 Nos	Each	
228	Track Chain Link left (APS).	40 Nos	Each	
229	Track Chain Link Right (APS).	40 Nos	Each	
230	Track Chain Pin (APS).	80 Nos	Each	

231	Track Chain Bush (APS).	80 Nos	Each	
232	Track Chain Nut (APS).	160 N	Each	
233	Track Chain Bolt (APS).	160 N	Each	
	Job works.			
1	Crank Shaft Turnning, Polishing, Grinding R/Size	4 Jobs	P.Job	
2	Main Steel Hosing Line Boring	4 Jobs	P.Job	
3	Connecting Rod Steel Housing Line Boring	4 Jobs	P.Job	
4	Main Big & Bearing Fitting Setting Aligning	4 Jobs	P.Job	
5	Gudgen Pin Bushes Fitting & Boring R/S	4 Jobs	P.Job	
6	Cam Bushes Fitting Setting & Aligning .	4 Jobs	P.Job	
7	Cam Pin Polishing R/S	4 Jobs	P.Job	
8	Cylinder Bore Boring & Polishing H/S	4 Jobs	P.Job	
9	Head Facing Seat Cutting/ fitting & Polishing etc	4 Jobs	P.Job	
10	Valve Grinding & Polishing New Seat Providing & Fitting (Head)	4 Jobs	P.Job	
11	Alternator Gent: Rep: Ser: New Pully providing	8 Jobs	P.Job	
12	Hyd: Pipe Steel Packing New mfg:	8 Jobs	P.Job	
13	Rep: of Radiator Complete.	12 Jobs	P.Job	
14	Cleaning & Washing of Radiator	12 Jobs	P.Job	
15	Calibration of Fuel Injection Pump & Plunger, Servicing & Fitting etc	8 Jobs	P.Job	
16	Repair of Swill Motor Complete.	8 Jobs	P.Job	
17	Self Repair rewinding providing bushes & Pinion & Armature rewinding.	8 Jobs	P.Job	
18	Hyd:Lever Repair Right & Left Prov:	4 Jobs	P.Job	
19	Repair of Boom Fork by Boring & Turning mft: new sleeve & Fitting i.e welding of fork	6 Jobs	P.Job	
20	Mfg: & Prov: Boom.Fork Bush & fitting	4 Jobs	P.Job	
21	Mfg: & Prov: i.e side spacer	4 Jobs	P.Job	
22	Mfg: & Prov: i.e fitting Boom Stick Pin.	4 Jobs	P.Job	
23	Mfg: & Prov: i.e fitting Bucket Bush	8 Jobs	P.Job	
24	Mfg: & Prov: i.e fitting Bucket Pin	8 Jobs	P.Job	
25	Mfg: & Prov: i.e fitting of Block Sleeve Bush	4 Jobs	P.Job	
26	Mfg: of Fork Pin complete.	6 Jobs	P.Job	
27	Mfg: of Bucket Boring Turning & Prov: Sleeve & Fitting.	4 Jobs	P.Job	
28	Mfg: Sleeve (Stick)	8 Jobs	P.Job	
29	Track Roller Repairing	4 Jobs	P.Job	
30	Repairing of Stick Complete.	4 Jobs	P.Job	
31	Mfg: Stick sleeve by boring welding fitt:	6 Jobs	P.Job	
32	Repair of Bucket & teeth fitting etc.(APS).	8 Jobs	P.Job	
33	Rep: of Hyd:Cooler & Prov: Parts.	4 Jobs	P.Job	
34	Mfg: & Prov: Piston Sleeve R/S (8Nos)	4 Jobs	P.Job	
35	Rep: of Oil Cooler opening Top & Bottom, servicing soldering Welding Prov: Tubes etc	4 Jobs	P.Job	

36	Rep: of Hydraulic Travel Motor i.e Spare Seats opening & fitting complete.	4 Jobs	P.Job	
37	Rep: of Battery Providing Mixture & charging.	16 Jobs	P.Job	
38	Rep: of Cabin by Patching, Welding, Denting etc.	4 Job	P.Job	
39	Repair of Hud (Engine) by Denting & Painting.	4 Job	P.Job	
40	Repair of Bucket by Patching welding and new Mfg: teeth fitting etc.	10 Job	P.Job	
41	Repair of jack by refilling on rams poshing and buffing etc.	8 Job	P.Job	
42	Sprocket complete	8 Job	P.Job	
43	Idle wheel repairing by welding, Boring new shaft Mfg: turning, facing and seal fitting	20 Job	P.Job	
44	Rep: of Fork by welding, boring & Bush fitting etc.	10 Job	P.Job	
Note:-	The Quantities may vary and the same will be acquired/procured from the lowest approved contractor /supplier as and when required on need basis throughout the financial year- 2017-18.			

Executive Engineer
Feeder Division, Hyderabad

Contractor

GOVERNMENT OF SINDH



IRRIGATION DEPARTMENT

**BIDDING DOCUMENTS
FOR
PROCUREMENT OF GOODS & SERVICES FOR
REPAIR & MAINTENANCE OF
TRANSPORT VEHICLES (ALL KINDS OF
VEHICLES), GENERATOR/CRANE**

No: SKP/G-141/

of 201

Hyderabad Dated: -

- 201

**EXECUTIVE ENGINEER
FEEDER DIVISION HYDERABAD.**

SPARE PARTS FOR KENWORTH TRAILOR
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	Quantity	UNIT	RATE
1	2	3	4	5
1	Ring Set APS	12 Packet	P.Packet	
2	Main, Big & Bearing APS	2 Sets	P.Set	
3	Piston APS	2 Sets	P.Set	
4	Valve APS	2 sets	P.Set	
5	Sleave APS	2 Sets	P.Set	
6	Vlave Guide APS	2 Sets	P.Set	
7	Head & Gas Kit complete APS	2 Kits	P.Kit	
8	Gudgion Pin Bush APS	2 Sets	P.Set	
9	Injector APS	12 Nos	Each	
10	Master Cylinder APS	2 Nos	Each	
11	Break Booster APS	32 Nos	Each	
12	Clutch Plate APS	4 Nos	Each	
13	Pressure Plate APS	4 Nos	Each	
14	Tie Rod End APS	8 Nos	Each	
15	Oil Filter APS	12 Nos	Each	
16	Diesel Filter APS	6 Nos	Each	
17	Air Cleaner Filter APS	6 Nos	Each	
18	Main Leaf Rear APS	4 Nos	Each	
19	2nd Leaf Rear APS	4 Nos	Each	
20	3rd Leaf Rear APS	4 Nos	Each	
21	Main Leaf Front APS	4 Nos	Each	
22	2nd Leaf Front APS	4 Nos	Each	
23	3rd Leaf Front APS	4 Nos	Each	
24	Hub Oil Seal APS	8 Nos	Each	
25	Break Cylinder Washer APS	32 Nos	Each	
26	Master Cylinder Complete APS	2 Nos	Each	
27	U-Clip APS	20 Nos	Each	
28	Fan Belt APS	10 Nos	Each	
29	Engine Oil Seal Front APS	4 Nos	Each	
30	Tapit Packing APS	2 Nos	Each	
31	Water Body Complete APS	2 Nos	Each	
32	Break Shoe Front APS	8 Nos	Each	
33	Break Shoe Rear APS	20 Nos	Each	
34	Side Glass (Mirror) APS	8 Nos	Each	
35	Cylinder Complete APS	2 Nos	Each	
36	Head Light APS	8 Nos	Each	
37	Indicator APS	16 Nos	Each	

SPARE PARTS FOR KENWORTH TRAILOR
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	Quantity	UNIT	RATE
1	2	3	4	5
38	Horn APS	2 Nos	Each	
39	Back Ligth APS	8 Nos	Each	
40	Crown Pinion Gear APS	2 Nos	Each	
41	Crown Pinion Bearing APS	2 Nos	Each	
42	Starting Swtich With Key APS	4 Nos	Each	
43	Wheel Stud with Nut APS	100 Nos	Each	
44	Cam Shaft APS	2 Nos	Each	
45	Thirst coller APS	2 Nos	Each	
46	Wheel Bearing (APS)	20 Nos	Each	
47	Generator APS	2 Nos	Each	
48	Hose Pipe APS	20 Nos	Each	
49	Master Cylinder Kit APS	4 Nos	P.Kit	
50	Engine Oil Seal Rear APS	4 Nos	Each	
51	Wheel Cylinder Complete APS	10 Nos	Each	
52	Starting Push Red APS	2 Nos	Each	
53	Kamani Bush APS	8 Nos	Each	
54	Kamani Pin APS	8 Nos	Each	
55	Kamani Bolt APS	8 Nos	Each	
56	Kamani Nut APS	16 Nos	Each	
57	Fan APS	4 Nos	Each	
58	Kamani Bracket APS	8 Nos	Each	
59	Door Lock APS	8 Nos	Each	
60	Exhaust Menue full (Right) APS	2 Nos	Each	
61	Exhaust Menue full (Left) APS	2 Nos	Each	
62	Diesel Line APS	20 Nos	Each	
63	Shock Absorber Front APS	8 Nos	Each	
64	Shock Absorber Rear APS	8 Nos	Each	
65	Tappet Fluid APS	2 Nos	Each	
66	Cam Shft Bush APS	10 Nos	Each	
67	Cross APS	8 Nos	Each	
68	Thurst collar	4 Nos	Each	
69	Gear (Stearing pump)APS	5 Nos	Each	
70	Bearing (Stearing pump)APS	8 Nos	Each	
71	Seal (Stearing pump)APS	5 Nos	Each	
72	Hyd: Hose (Stearing pump)APS	8 Nos	Each	
73	Diaform (Boster)	3 Nos	Each	
74	Spring (Boster) APS	6 Nos	Each	

SPARE PARTS FOR KENWORTH TRAILOR
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	Quantity	UNIT	RATE
1	2	3	4	5
75	oil Cooler complete APS	4 Nos	Each	
76	Cut Out APS	10 Nos	Each	
77	Air Pressure guage	6 Nos	Each	
78	Oil Pressure guage	6 Nos	Each	
79	Temperature guage	6 Nos	Each	
80	Seal (Deferential) APS	5 Nos	Each	
81	Seal Axil APS	10 Nos	Each	
82	Seal (Oil Cooler) APS	10 Nos	Each	
83	Bearing for Fan Pully	5 Nos	Each	
JOB WORK				
1	Repairing of Block Prov: Bearing Facing & Grinding, Turning & Fitting	2 Jobs	P.Job	
2	Repairing of Head, Seat Cutting, Facing & seat Fitting along with Valve Guide etc.	2 Jobs	P.Job	
3	Crank Shaft Turning, polishing buffing etc.	2 Jobs	P.Job	
4	Cam Shaft Turning & Fitting with bush etc.	2 Jobs	P.Job	
5	Repairing of Generator Prov: Bearing & Carbon Bush etc.	4 Jobs	P.Job	
6	Fuel Injection Pump rep: with Parts complete etc	4 Jobs	P.Job	
7	Repairing of Radiator Complete etc	4 Jobs	P.Job	
8	Drum Turning Prov: Leather with repits & fitting etc.	10 Jobs	P.Job	
9	Injector Needle & Nozzle servicing & fitting etc.	4 Jobs	P.Job	
10	Repairing Water Body Prov: Parts & fitting etc.	2 Jobs	P.Job	
11	Repairing of Self Prov: bross bush new mfg: Fitting Prov: Carbon Bush Fitting etc.	2 Jobs	P.Job	
12	Rep: of Door along with Lock and setting etc.	4 Jobs	P.Job	
13	Rep: of Master Cylinder sleeve, seal kit fitting etc.	2 Jobs	P.Job	
14	Rep: of Clutch Cylinder Prov: Fitting of Sleeve etc.	2 Jobs	P.Job	
15	Rep: of Hub by Turning & facing fitting prov: Cone Bearing etc.	2 Jobs	P.Job	
16	Rep: of Bonnet by welding, fitting of parts etc.	2 Jobs	P.Job	
17	Rep: Mudguard by welding & fitting etc	2 Jobs	P.Job	
18	Rep: of Loading Dala Prov: Sheet,Welding & fitting etc.	2 Jobs	P.Job	
19	Rep: of Seat with Cushion prov: Fitting etc.	4 Jobs	P.Job	
20	Rep: of Cabin by Denting, painting etc.	2 Jobs	P.Job	
21	Wheel alignment prov: Balancing etc	8 Jobs	P.Job	
22	Rep: Driving Shaft Prov: Parts with fitting etc	4 Jobs	P.Job	
23	Rep: of Stearing Box prov: Bearing & Fitting etc.	2 Jobs	P.Job	

SPARE PARTS FOR KENWORTH TRAILOR
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	Quantity	UNIT	RATE
1	2	3	4	5
24	Rep: of Excel alongwith Parts & fitting of Nut & Bolt etc	10 Jobs	P.Job	
25	Rep: of Water Body prov: Parts & Fitting etc.	4 Jobs	P.Job	
26	Rep: of Road spring, providing 2nd and 3rd leaf with Bushing fitting etc.	6 Jobs	P.Job	
27	Wiring Complete etc.	2 Jobs	P.Job	
28	Rep: of Slaeving pump (Hydraulic) by change of parts etc	4 Job	P.Job	
29	Rep: of leaver Assy: fitting by welding, new Bush fitting etc.	4 Job	P.Job	
30	Rep: of Cooler by working clearing etc.	2 Job	P.Job	
31	Rep: of Compressor, by head facing, changing of seat cutting and valce changing and fitting etc.	4 Job	P.Job	
32	Air Compressure General over hauling by sleeve futting Head facing, new seal fitting, fixing etc.	4 Job	P.Job	
33	Rep: of Transmission by removing of defect shaft and parts fitting etc.	6 Job	P.Job	
34	Rep: of Fan pully by boring & Bearing fitting etc.	4 Job	P.Job	

Note:- The Quantities may vary and the same will be acquired/ procured from the lowest approved contractor/ supplier as and when required on need basis through out the financial year 2017-18

Executive Engineer
Feeder Division Hyderabad.

CONTRACTOR

SPARE PARTS FOR MITSUBISHI TRUCK & TANKER
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	Quantity.	UNIT	RATE
1	2	3	4	5
1	Ring Set APS	4 set	P.Set	
2	Main, Big & Bearing APS	4 Set	P.Set	
3	Piston APS	4 Set	P.Set	
4	Valve Inlet & Exhaust (12 No per Set)APS	4 Set	P.Set	
5	Sleave (6 No, Per Set)APS	4 Set	P.Set	
6	Vlave Guide (12 No per Set) APS	4 set	P.Set	
7	Head & Gas Kit complete APS	4 Kit	P.Kit	
8	Piston Pin Bush APS	4 set	P.Set	
9	Injector APS	24 Nos	Each	
10	Radiator APS	4 No	Each	
11	Master Cylinder APS	8 Nos	Each	
12	Break Booster APS	24 Nos	Each	
13	Clutch Plate APS	8 Nos	Each	
14	Pressure Plate APS	4 Nos	Each	
15	Tie Rod End APS	10 Nos	Each	
16	Oil Filter APS	20 Nos	Each	
17	Diesel Filter APS	20 Nos	Each	
18	Air Cleaner Filter APS	10 Nos	Each	
19	Main Leaf Rear APS	10 Nos	Each	
20	2nd Leaf Rear APS	10 Nos	Each	
21	3rd Leaf Rear APS	10 Nos	Each	
22	Main Leaf Front APS	10 Nos	Each	
23	2nd Leaf Front APS	10 Nos	Each	
24	3rd Leaf Front APS	10 Nos	Each	
25	Hub Oil Seal APS	20 Nos	Each	
26	Break Cylinder Washer APS	30 Nos	Each	
27	Master Cylinder Complete APS	5 Nos	Each	
28	U-Clip APS	20 Nos	Each	
29	Fan Belt APS	20 Nos	Each	
30	Engine Oil Seal Front APS	10 Nos	Each	
31	Timing shoft APS	10 Nos	Each	
32	Tapit Packing APS	4 Nos	Each	
33	Water Body Complete APS	4 Nos	Each	
34	Break Shoe Front APS	10 Nos	Each	
35	Break Shoe Rear APS	10 Nos	Each	
36	Side Glass (Mirror) APS	12 Nos	Each	
37	Cylinder Complete APS	8 Nos	Each	
38	Head Light APS	16 Nos	Each	
39	Indicator APS	20 Nos	Each	
40	Horn APS	4 Nos	Each	
41	Back Ligth APS	12 Nos	Each	
42	Crown Pinion Gear APS	4 No	Each	
43	Crown Pinion Bearing APS	4 No	Each	
44	Starting Swtich APS	8 Nos	Each	

SPARE PARTS FOR MITSUBISHI TRUCK & TANKER
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	Quantity.	UNIT	RATE
1	2	3	4	5
45	Wheel Stud with Nut APS	100 Nos	Each	
46	Cam Shaft APS	4 Nos	Each	
47	Wheel Bearing (APS)	20 Nos	Each	
48	Generator APS	4 Nos	Each	
49	Hose Pipe APS	20 Nos	Each	
50	Master Cylinder Kit APS	16 Kit	P.Kit	
51	Engine Oil Seal Rear APS	8 Nos	Each	
52	Wheel Cylinder Complete APS	20 Nos	Each	
53	Push Rod APS	4 Nos	Each	
54	Kamani Bush APS	20 Nos	Each	
55	Kamani Pin APS	20 Nos	Each	
56	Kamani Bolt APS	20 Nos	Each	
57	Kamani Nut APS	20 Nos	Each	
58	Fan APS	20 Nos	Each	
59	Kamani Bracket APS	20 Nos	Each	
60	Door Lock APS	16 Nos	Each	
61	Exhaust Menu full (Right) APS	4 Nos	Each	
62	Exhaust Menu full (Left) APS	4 Nos	Each	
63	Injector Diesel Line APS	30 Nos	Each	
64	Shock Absorber Front APS	16 Nos	P.Set	
65	Shock Absorber Rear APS	16 Nos	P.Set	
66	Tappet Fluid APS	4 Nos	Each	
67	Cam Shoft Bush APS	24 Nos	Each	
68	Cross APS	20 Nos	Each	
69	Thrust Collor	2 Nos	Each	
70	Bearing (Driving shaft)	8 Nos	Each	
71	Rubur Bushing APS (Driving shaft)	8 Nos	Each	
72	Bracket APS (Driving shaft)	5 Nos	Each	
73	Foundation (Engine) APS	4 Nos	Each	
74	Foundation (Gear Box) APS	8 Nos	Each	
75	Bearing (Fan pully)	10 Nos	Each	
JOB WORK				
1	Repairing of Block, by Bearing, Facing & Gridning, buffing etc.	4 Jobs	P.Job	
2	Repairing of Head Seat Cutting, Facing & Fitting along with Valve Guide fitting etc.	4 Jobs	P.Job	
3	Crank Shaft Turning polshing, buffing etc.	4 Jobs	P.Job	
4	Cam Shaft Turning & bush fitting etc.	4 Jobs	P.Job	
5	Repairing of Generator Prov: Bearing & Carbon Bush etc.	8 Jobs	P.Job	
6	Fuel Injection Pump rep: with Parts complete	8 Jobs	P.Job	
7	Repairing of Radiator Complete.	8 Jobs	P.Job	
8	Drum Turning Prov: Leather with revits etc.	16 Jobs	P.Job	
9	Injector Needle & Nozzle servicing and fitting etc.	8 Jobs	P.Job	

SPARE PARTS FOR MITSUBISHI TRUCK & TANKER
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	Quantity.	UNIT	RATE
1	2	3	4	5
10	Repairing Master Cylinder sleeve fitting etc.	4 Jobs	P.Job	
11	Repairing of self by brass Bush and Carbon Bush Fitting etc.	8 Jobs	P.Job	
12	Rep: of Door along with Lock etc.	16 Jobs	P.Job	
13	Rep: of Master Cylinder seal kit and fitting etc.	8 Jobs	P.Job	
14	Rep: of Clutch Cylinder and seal kit fitting etc.	4 Jobs	P.Job	
15	Rep: of Hub by Turning & facing Prov: Cone Bearing and seal fitting etc.	20 Jobs	P.Job	
16	Rep: of Bonnet by Denting and Painting etc	4 Jobs	P.Job	
17	Rep: Mudguard by Denting and Painting etc	8 Jobs	P.Job	
18	Rep: of Seat with Cushion prov: Fitting etc.	8 Jobs	P.Job	
19	Rep: of Cabin by Denting and Painting etc	4 Jobs	P.Job	
20	Wheel alignment & Balancing etc	16 Jobs	P.Job	
21	Rep: Driving Shaft Prov: Parts with fitting etc.	4 Jobs	P.Job	
22	Rep: of Stearing Box prov: Bearing & Fitting etc.	8 Jobs	P.Job	
23	Rep: of Excel alongwith Parts & fitting Nut & Bolt etc	8 Jobs	P.Job	
24	Rep: of Water Body prov: Parts & Fitting etc.	8 Jobs	P.Job	
25	Rep: of Rear Road spring & Bushing 2nd & 3rd Leaf fitting etc.	8 Jobs	P.Job	
26	Wiring Complete	4 Jobs	P.Job	
27	Rep: of Fan Pully by Boring & Bearing Fitting etc.	6 Job	P.Job	

Note:- The Quantities may vary and the same will be acquired/ procured from the lowest approved contractor/ supplier as and when required on need basis through out the financial year 2017-18

Executive Engineer
Feeder Division Hyderabad.

CONTRACTOR

CONTRACTOR

SPARE PARTS FOR BEDFORD TRUCK
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	Quantity	UNIT	RATE
1	2	3	4	5
1	Ring Set (APS)	8 Pakit	P.Pakit	
2	Main, Big & Bearing APS (13 Nos P.Set)	2 Set	P.Set	
3	Piston APS (6 Nos P.Set)	2 Set	P.Set	
4	Valve (APS) (6 Nos P.Set)	2 Set	P.Set	
5	Sleave APS (6 Nos P.Set)	2 Set	P.Set	
6	Vlave Guide (APS) (12 Nos P.Set)	2 Set	P.Set	
7	Head & Gas Kit complete (APS)	2 Kit	P.Kit	
8	Gudgion Pin Bush (APS)	2 Set	P.Set	
9	Fuel Injection Pump (APS)	2 Nos	Each	
10	Injector complete (APS)	2 Set	P.Set	
11	Radiator (APS)	2 No	Each	
12	Master Cylinder (APS)	4 Nos	Each	
13	Break Boosder (APS)	8 Nos	Each	
14	Clutch Plate (APS)	4 Nos	Each	
15	Pressure Plate (APS)	4 Nos	Each	
16	Tie Rod End (APS)	8 Nos	Each	
17	Oil Filter (APS)	16 Nos	Each	
18	Diesel Filter (APS)	16 Nos	Each	
19	Air Cleaner Filter (APS)	8 Nos	Each	
20	Main Leaf Rear (APS)	8 Nos	Each	
21	2nd Leaf Rear (APS)	8 Nos	Each	
22	3rd Leaf Rear (APS)	8 Nos	Each	
23	Main Leaf Front (APS)	8 Nos	Each	
24	2nd Leaf Front (APS)	8 Nos	Each	
25	3rd Leaf Rear (APS)	8 Nos	Each	
26	Hub Oil Seal (APS)	8 Nos	Each	
27	Break Cylinder Washer (APS)	8 Nos	Each	
28	Master Cylinder Complete (APS)	8 Nos	Each	
29	U-Clip (APS)	16 Nos	Each	
30	Fan Belt (APS)	16 Nos	Each	
31	Engine Oil Seal Front (APS)	8 Nos	Each	
32	Timing Seal (APS)	4 Nos	Each	
33	Tapit Packing (APS)	2 No	Each	
34	Water Body Complete (APS)	2 No	Each	
35	Break Shoe Front (APS)	4 Nos	Each	
36	Break Shoe Rear (APS)	4 Nos	Each	
37	Side Glass (Mirror) (APS)	16 Nos	Each	
38	Head Light (APS)	8 Nos	Each	
39	Indicator (APS)	16 Nos	Each	
40	Horn (APS)	2 No	Each	
41	Back Ligth (APS)	8 Nos	Each	
42	Crown Pinion Gear (APS)	2 No	Each	
43	Crown Pinion Bearing (APS)	2 No	Each	
44	Starting Swtich (APS)	4 Nos	Each	

SPARE PARTS FOR BEDFORD TRUCK
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	Quantity	UNIT	RATE
1	2	3	4	5
45	Wheel Stud with Nut (APS)	100 Nos	Each	
46	Cam Shaft (APS)	2 No	Each	
47	Crank Shaft (APS)	2 No	Each	
48	Oil Pump Complete (APS)	2 No	Each	
49	Wheel Bearing (APS)	16 Nos	Each	
50	Generator (APS)	2 No	Each	
51	Hose Pipe (APS)	8 Nos	Each	
52	Master Cylinder Kit (APS)	4 Kit	P.Kit	
53	Engine Oil Seal Rear (APS)	4 Nos	Each	
54	Wheel Cylinder Complete (APS)	4 Nos	Each	
55	Push Rod (APS)	2 Nos	Each	
56	Kamani Bush (APS)	8 Nos	Each	
57	Kamani Pin (APS)	8 Nos	Each	
58	Kamani Bolt (APS)	8 Nos	Each	
59	Kamani Nut (APS)	8 Nos	Each	
60	Fan (APS)	4 Nos	Each	
61	Kamani Bracket (APS)	4 Nos	Each	
62	Door Lock (APS)	8 Nos	Each	
63	Exhaust Menue full (Right) (APS)	2 Nos	Each	
64	Exhaust Menue full (Left) (APS)	2 Nos	Each	
65	Injector Diesel Line (APS)	12 Nos	Each	
66	Shock Absorber Front (APS)	4 Nos	Each	
67	Shock Absorber Rear (APS)	4 Nos	Each	
68	Tappet Fluid (APS)	2 Nos	Each	
69	Cam Shft Bush (APS)	2 Nos	Each	
70	Cross(APS)	8 Nos	Each	
71	Thurst collar (APS)	4 Nos	Each	
72	Bearing (Driving Shaft) (APS)	5 Nos	Each	
73	Rubber Buashing (Driving Shaft) (APS)	4 Nos	Each	
74	Bracket (Driving Shaft) (APS)	4 Nos	Each	
75	Foundation (Engine) (APS)	6 Nos	Each	
76	Foundation (Gear Box) (APS)	6 Nos	Each	
77	Thrust Bearing (APS)	4 Nos	Each	
78	Bearing (Pilot) (APS)	8 Nos	Each	
79	Bearing (Fan Pully) (APS)	8 Nos	Each	
JOB WORK				
1	Reparing of Block by boring Facing & Gridning, etc	2 Jobs	P.Job	
2	Reparing of Head by Seat Cutting & Fitting facing grading and Guide fitting etc	2 Jobs	P.Job	
3	Crank Shaft Turning, facing, polishing, buffing etc.	2 Jobs	P.Job	
4	Cam Shaft Turning with bush fitting etc.	2 Jobs	P.Job	
5	Reparing of Generator Prov: Bearing & Carbon Bush fitting etc.	4 Jobs	P.Job	
6	Fuel Injection Pump rep: with Parts complete etc	4 Jobs	P.Job	

SPARE PARTS FOR BEDFORD TRUCK
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	Quantity	UNIT	RATE
1	2	3	4	5
7	Repairing of Radiator Complete etc	4 Jobs	P.Job	
8	Drum Turning Prov: Leather with revits fitting etc.	12 Jobs	P.Job	
9	Injector Needle & Nozzle servicing and fitting etc.	4 Jobs	P.Job	
10	Repairing of self prov: bross Bush fitting prov: Carbon Bush Fitting etc	4 Jobs	P.Job	
11	Rep: of Door along with Lock etc.	8 Jobs	P.Job	
12	Rep: of Master Cylinder Prov: seal kit fitting etc.	8 Jobs	P.Job	
13	Rep: of Clutch Cylinder by sleeve Fitting etc.	4 Jobs	P.Job	
14	Rep: of Hub by Turning & facing Cone Bearing fitting etc.	8 Jobs	P.Job	
15	Rep: of Bonnet by denting, painting etc.	2 Jobs	P.Job	
16	Rep: Mudguard by denting, painting etc	2 Jobs	P.Job	
17	Rep: of Loading Dala Prov: Sheet Welding cutting etc.	2 Jobs	P.Job	
18	Rep: of Seat with Cushion & Fitting etc.	4 Jobs	P.Job	
19	Rep: of Cabin by denting and painting etc.	2 Jobs	P.Job	
20	Wheel alignment and Balancing etc	8 Jobs	P.Job	
21	Rep: Driving Shaft Prov: Parts with fitting etc	2 Jobs	P.Job	
22	Rep: of Stearing Box prov: Bearing & Fitting etc.	2 Jobs	P.Job	
23	Rep: of Excel alongwith Parts & fitting Nut & Bolt etc	4 Jobs	P.Job	
24	Rep: of Water Body prov: Parts & Fitting etc.	4 Jobs	P.Job	
25	Rep: of Rear Road spring Bushing fitting 2nd & 3rd Leaf etc.	4 Jobs	P.Job	
26	Wiring Complete	2 Jobs	P.Job	

Note:- The Quantities may vary and the same will be acquired/ procured from the lowest approved contractor/ supplier as and when required on need basis through out the financial year 2017-18

Executive Engineer
Feeder Division Hyderabad.

CONTRACTOR

SPARE PARTS FOR DONGFENG TRUCK (EQ-1032)
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	Quantity	UNIT	RATE
1	2	3	4	5
1	Ring Set (APS)	4 Packet	P.Packet	
2	Main, Big & Bearing APS (9 Nos per set)	1 Set	P.Set	
3	Piston (APS) (4 Nos per set)	1 Set	P.Set	
4	Valve (APS) (4 Nos per set)	1 Set	P.Set	
5	Sleave (APS) (4 Nos per set)	1 Set	P.Set	
6	Valve Guide (APS) (4 Nos per set)	1 Set	P.Set	
7	Head & Gas Kit complete (APS)	1 Kit	P.kit	
8	Gudgion Pin Bush (APS) (4 Nos per set)	1 Set	P.Set	
9	Fuel Injection Pump (APS)	1 No	Each	
10	Injector (APS)	6 Nos	Each	
11	Radiator (APS)	1 No	Each	
12	Master Cylinder (APS)	2 Nos	Each	
13	Break Booster (APS)	4 Nos	Each	
14	Clutch Plate (APS)	2 Nos	Each	
15	Pressure Plate (APS)	2 Nos	Each	
16	Tie Rod End (APS)	4 Nos	Each	
17	Oil Filter (APS)	16 Nos	Each	
18	Diesel Filter (APS)	8 Nos	Each	
19	Air Cleaner Filter (APS)	8 Nos	Each	
20	Main Leaf Rear (APS)	2 Nos	Each	
21	2nd Leaf Rear (APS)	2 Nos	Each	
22	3rd Leaf Rear (APS)	2 Nos	Each	
23	Main Leaf Front (APS)	2 Nos	Each	
24	2nd Leaf Front (APS)	2 Nos	Each	
25	3rd Leaf Front (APS)	2 Nos	Each	
26	Hub Oil Seal (APS)	4 Nos	Each	
27	Break Cylinder Washer (APS)	4 Nos	Each	
28	Master Cylinder Complete (APS)	4 Nos	Each	
29	U-Clip (APS)	8 Nos	Each	
30	Fan Belt (APS)	8 Nos	Each	
31	Engine Oil Seal Front (APS)	2 Nos	Each	
32	Timing Seal (APS)	2 Nos	Each	
33	Tapit Packing (APS)	1 No	Each	
34	Water Body Complete (APS)	1 No	Each	
35	Break Shoe Front (APS)	4 Nos	Each	
36	Break Shoe Rear (APS)	4 Nos	Each	
37	Side Glass (Mirror) (APS)	8 Nos	Each	

SPARE PARTS FOR DONGFENG TRUCK (EQ-1032)
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	Quantity	UNIT	RATE
1	2	3	4	5
38	Cylinder Complete (APS)	2 Nos	Each	
39	Head Light (APS)	4 Nos	Each	
40	Indicator (APS)	8 Nos	Each	
41	Horn (APS)	1 No	Each	
42	Back Ligth (APS)	4 Nos	Each	
43	Crown Pinion Gear (APS)	1 No	Each	
44	Crown Pinion Bearing (APS)	1 No	Each	
45	Starting Swtich (APS)	2 Nos	Each	
46	Wheel Stud with Nut (APS)	40 Nos	Each	
47	Cam Shaft (APS)	1 No	Each	
48	Crank Shaft (APS)	1 No	Each	
49	Oil Pump Complete (APS)	1 No	Each	
50	Wheel Bearing (APS)	8 Nos	Each	
51	Generator (APS)	1 No	Each	
52	Hose Pipe (APS)	8 Nos	Each	
53	Master Cylinder Kit (APS)	2 Nos	P.kit	
54	Engine Oil Seal Rear (APS)	2 Nos	Each	
55	Wheel Cylinder Complete (APS)	4 Nos	Each	
56	Kamani Bush (APS)	16 Nos	Each	
57	Kamani Pin (APS)	16 Nos	Each	
58	Kamani Bolt (APS)	16 Nos	Each	
59	Kamani Nut (APS)	16 Nos	Each	
60	Fan (APS)	4 Nos	Each	
61	Kamani Bracket (APS)	8 Nos	Each	
62	Door Lock (APS)	4 Nos	Each	
63	Exhaust Menue full (Right) (APS)	1 No	Each	
64	Exhaust Menue full (Left) (APS)	1 No	Each	
65	Injector Diesel Line (APS)	6 Nos	Each	
66	Shock Absorber Front (APS)	4 Nos	Each	
67	Shock Absorber Rear (APS)	4 Nos	Each	
68	Tappet Fluid (APS)	1 No	Each	
69	Cam Shft Bush (APS)	1 No	Each	
70	Crank Shaft Bush (APS)	1 No	Each	
71	Cross (APS)	4 Nos	Each	
72	Thrust coller (APS)	2 Nos	Each	

SPARE PARTS FOR DONGFENG TRUCK (EQ-1032)
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	Quantity	UNIT	RATE
1	2	3	4	5
73	Bearing (Driving shaft)	8 Nos	Each	
74	Rubur Bushing APS (Driving shaft)	8 Nos	Each	
75	Bracket APS (Driving shaft)	5 Nos	Each	
76	Foundation (Engine) APS	4 Nos	Each	
77	Foundation (Gear Box) APS	8 Nos	Each	
78	Bearing (Fan pully)	10 Nos	Each	
JOB WORK				
1	Repairing of Block by Boring Facing & Gridning etc .	1 Job	P.Job	
2	Repairing of Head by Seat Cutting, Facing & guide Fitting Valve granding etc	1 Job	P.Job	
3	Crank Shaft Turning, polishing buffing etc.	1 Job	P.Job	
4	Cam Shaft Turning with bush fitting etc.	1 Job	P.Job	
5	Repairing of Generator Prov: Bearing & Carbon Bush etc.	2 Jobs	P.Job	
6	Fuel Injection Pump rep: with Parts complete.	2 Jobs	P.Job	
7	Repairing of Radiator Complete	4 Jobs	P.Job	
8	Drum Turning Prov: Leather with revits fitting etc.	8 Jobs	P.Job	
9	Injector Needle & Nozzle servicing	4 Jobs	P.Job	
10	Repairing of self prov: bass Bush fitting & Carbon Bush Fitting etc.	2 Jobs	P.Job	
11	Rep: of Door along with Lock etc.	4 Jobs	P.Job	
12	Rep: of Master Cylinder by sleeve fitting and seal kit etc.	1 Job	P.Job	
13	Rep: of Clutch Cylinder seal fitting etc.	1 Job	P.Job	
14	Rep: of Hub Turning & facing Cone Bearing fitting etc.	4 Jobs	P.Job	
15	Rep: of Bonnet by dending & painting Fitting etc.	1 Job	P.Job	
16	Rep: Mudguard by dending & painting Fitting etc.	1 Job	P.Job	
17	Rep: of Loading Dala Prov: Sheet by Welding complete etc.	1 Job	P.Job	
18	Rep: of Seat with Cushion and Fitting etc.	2 Jobs	P.Job	
19	Rep: of Cabin by dending & painting Fitting etc.	1 Job	P.Job	
20	Wheel alignment & Balancing etc.	4 Jobs	P.Job	
21	Rep: Driving Shaft Prov: Parts fitting etc.	2 Jobs	P.Job	
22	Rep: of Stearing Box prov: Bearing & Fitting etc.	2 Jobs	P.Job	
23	Rep: of Excel alongwith Parts & fitting Nut & Bolt etc	4 Jobs	P.Job	

SPARE PARTS FOR DONGFENG TRUCK (EQ-1032)
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	Quantity	UNIT	RATE
1	2	3	4	5
24	Rep: of Water Body prov: Parts & Fitting etc	2 Jobs	P.Job	
25	Rep: of Road spring prov: 2nd & 3rd Leaf with bush etc.	4 Jobs	P.Job	
26	Wiring Complete	1 Job	P.Job	
27	Rep: of Fan Pully by Boring & Bearing Fitting etc.	6 Job	P.Job	

Note: The Quantities may vary and the same will be acquired/ procured from the lowest approved contractor/ supplier as and when required on need basis through out the financial year 2017-18

Executive Engineer
Feeder Division Hyderabad.

CONTRACTOR

SPARE PARTS FOR TOYOTA PICK UP
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2	3	4	5
1	Ring (4 No Per set) (APS)	1 Set	P.Set	
2	Main, Big & Bearing (9 No Per set) APS	1 Set	P.Set	
3	Piston (4 No Per set)APS	1 Set	P.Set	
4	Valve Inlet & Exhaust (8 No Per set) APS	1 Set	P.Set	
5	Sleeve (4 No Per set) APS	1 Set	P.Set	
6	Vlave Guide (4 No Per set) APS	1 Set	P.Set	
7	Head & Gas Kit complete APS	1 Kit	P.kit	
8	Gudgion Pin Bush (4 No Per set)	1 Set	P.Set	
9	Fuel Injection Pump (APS)	1 No	Each	
10	Injector (APS)	4 Nos	Each	
11	Radiator (APS)	1 No	Each	
12	Master Cylinder (APS)	2 Nos	Each	
13	Break Booster (APS)	4 Nos	Each	
14	Clutch Plate(APS)	2 Nos	Each	
15	Pressure Plate (APS)	2 Nos	Each	
16	Tie Rod End(APS)	4 Nos	Each	
17	Oil Filter APS	8 Nos	Each	
18	Diesel Filter APS	8 Nos	Each	
19	Air Cleaner Filter APS	4 Nos	Each	
20	Main Leaf Rear (APS)	2 NOS	Each	
21	2nd Leaf Rear (APS)	2 Nos	Each	
22	3rd Leaf Rear (APS)	2 Nos	Each	
23	Main Leaf Front (APS)	2 Nos	Each	
24	2nd Leaf Front (APS)	2 Nos	Each	
25	3rd Leaf Front (APS)	2 Nos	Each	
26	Hub Oil Seal (APS)	4 Nos	Each	
27	Break Cylinder Washer (APS)	4 Nos	Each	
28	U-Clip (APS)	8 Nos	Each	
29	Fan Belt (APS)	8 Nos	Each	
30	Door Glass Right/Left Sides (APS)	2 Nos	Each	
31	Timing Seal (APS)	2 Nos	Each	
32	Timing Belt (APS)	2 Nos	Each	
33	Tapit Packing (APS)	1 No	Each	
34	Water Body Complete (APS)	1 No	Each	
35	Break Shoe Front (APS)	4 Nos	Each	
36	Break Shoe Rear (APS)	4 Nos	Each	
37	Side Glass (Mirror) (APS)	4 Nos	Each	
38	Clutch Cylinder Complete (APS)	2 Nos	Each	
39	Head Light (APS)	2 Nos	Each	
40	Indicator (APS)	4 Nos	Each	
41	Horn (APS)	1 No	Each	
42	Back Ligth (APS)	2 Nos	Each	
43	Crown Pinion Gear (APS)	1 No	Each	
44	Crown Pinion Bearing (APS)	1 No	Each	
45	Starting Swtich (APS)	2 Nos	Each	

SPARE PARTS FOR TOYOTA PICK UP
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2	3	4	5
46	Wheel Stud with Nut (APS)	20 Nos	Each	
47	Cam Shaft (APS)	1 No	Each	
48	Crank Shaft (APS)	1 No	Each	
49	Oil Pump Complete (APS)	1 No	Each	
50	Wheel Bearing (APS)	4 Nos	Each	
51	Generator (APS)	1 No	Each	
52	Hose Pipe (APS)	4 Nos	Each	
53	Wind Screen Rear & Front (APS)	1 No	Each	
54	Cross (APS)	4 Nos	Each	
55	Wheel Cylinder Complete (APS)	4 Nos	Each	
56	Kamani Bush (APS)	8 Nos	Each	
57	Kamani Pin (APS)	8 Nos	Each	
58	Kamani Bolt (APS)	8 Nos	Each	
59	Kamani Nut (APS)	8 Nos	Each	
60	Fan (APS)	2 Nos	Each	
61	Kamani Bracket (APS)	8 Nos	Each	
62	Door Lock (APS)	4 Nos	Each	
63	Exhaust Menue full (Right) (APS)	1 No	Each	
64	Exhaust Menue full (Left) (APS)	1 No	Each	
65	Diesel Line (APS)	6 Nos	Each	
66	Shock Absorber Front (APS)	2 Nos	Each	
67	Shock Absorber Rear (APS)	2 Nos	Each	
68	Tappet Fluid (APS)	1 No	Each	
69	Cam Shaft Bush (APS)	1 No	Each	
70	Connecting Rod Bush (APS)	1 No	Each	
71	Thrust collar (APS)	2 Nos	Each	
72	Bearing (Driving shaft)	8 Nos	Each	
73	Rubur Bushing APS (Driving shaft)	8 Nos	Each	
74	Bracket APS (Driving shaft)	5 Nos	Each	
75	Foundation (Engine) APS	4 Nos	Each	
76	Foundation (Gear Box) APS	8 Nos	Each	
77	Bearing (Fan pully)	10 Nos	Each	
JOB WORK				
1	Reparing of Block by Boring Facing & Gridning etc .	1 Job	P.Job	
2	Reparing of Head by Seat Cutting, Facing & guide Fitting Valve granding etc	1 Job	P.Job	
3	Crank Shaft Turning, polishing buffing etc.	1 Job	P.Job	
4	Cam Shaft Turning with bush fitting etc.	1 Job	P.Job	
5	Reparing of Generator Prov: Bearing & Carbon Bush etc.	2 Jobs	P.Job	
6	Fuel Injection Pump rep: with Parts complete.	2 Jobs	P.Job	
7	Reparing of Radiator Complete	4 Jobs	P.Job	
8	Drum Turning Prov: Leather with revits fitting etc.	8 Jobs	P.Job	
9	Injector Needle & Nozzle servicing	4 Jobs	P.Job	

SPARE PARTS FOR TOYOTA PICK UP
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2	3	4	5
10	Repairing of self prov: brass Bush fitting & Carbon Bush Fitting etc.	2 Jobs	P.Job	
11	Rep: of Door along with Lock etc.	4 Jobs	P.Job	
12	Rep: of Master Cylinder by sleeve fitting and seal kit etc.	1 Job	P.Job	
13	Rep: of Clutch Cylinder seal fitting etc.	1 Job	P.Job	
14	Rep: of Hub Turning & facing Cone Bearing fitting	4 Jobs	P.Job	
15	Rep: of Bonnet by denting & painting Fitting etc.	1 Job	P.Job	
16	Rep: Mudguard by denting & painting Fitting etc.	1 Job	P.Job	
17	Rep: of Seat with Cushion and Fitting etc.	2 Jobs	P.Job	
18	Rep: of Cabin by denting & painting Fitting etc.	1 Job	P.Job	
19	Wheel alignment & Balancing etc.	4 Jobs	P.Job	
20	Rep: Driving Shaft Prov: Parts fitting etc.	2 Jobs	P.Job	
21	Rep: of Stearing Box prov: Bearing & Fitting etc.	2 Jobs	P.Job	
22	Rep: of Excel alongwith Parts & fitting Bolt etc	4 Jobs	P.Job	
23	Rep: of Water Body prov: Parts & Fitting etc	2 Jobs	P.Job	
24	Rep: of Road spring prov: 2nd & 3rd Leaf with bush etc.	4 Jobs	P.Job	
25	Wiring Complete	1 Job	P.Job	
26	Repair of loading Dala prov: sheet by welding complete etc.	1 Job	P.Job	
27	Rep: of Fan Pully by Boring & Bearing Fitting etc.	6 Job	P.Job	

Note:- The Quantities may vary and the same will be acquired/ procured from the lowest approved contractor/ supplier as and when required on need basis through out the financial year 2017-18

Executive Engineer
Feeder Division Hyderabad.

CONTRACTOR

SPARE PARTS FOR TOYOTA VIGO
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2	3	4	5
1	Ring (4 No per set) (APS)	1 Set	P.Set	
2	Main, Big & Bearing (9 No per Set) (APS)	1 Set	P.Set	
3	Piston(4 No per set) (APS)	6 Nos	Each	
4	Valve (APS)	1 Set	P.Set	
5	Sleave (4 No per set) (APS)	1 Set	P.Set	
6	Vlave Guide (4 No per set) (APS)	1 Set	P.Set	
7	Head & Gas Kit complete (APS)	1 Kit	P.Kit	
8	Gudgion Pin Bush (4 No per set) (APS)	1 Set	P.Set	
9	Fuel Injection Pump (APS)	1 No	Each	
10	Injector (APS)	6 Nos	Each	
11	Radiator (APS)	1 No	Each	
12	Master Cylinder (APS)	4 No	Each	
13	Break Booster (APS)	4 Nos	Each	
14	Clutch Plate (APS)	2 Nos	Each	
15	Pressure Plate (APS)	2 Nos	Each	
16	Tie Rod End (APS)	4 Nos	Each	
17	Oil Filter (APS)	8 Nos	Each	
18	Diesel Filter APS	8 Nos	Each	
19	Air Cleaner Filter APS	4 Nos	Each	
20	Main Leaf Rear (APS)	2 Nos	Each	
21	2nd Leaf Rear (APS)	2 Nos	Each	
22	3rd Leaf Rear (APS)	2 Nos	Each	
23	Hub Oil Seal (APS)	4 Nos	Each	
24	Break Cylinder Washer (APS)	8 Nos	Each	
25	U-Clip (APS)	8 Nos	Each	
26	Fan Belt (APS)	6 Nos	Each	
27	Engine Oil Seal Front (APS)	2 Nos	Each	
28	Timing Seal (APS)	2 Nos	Each	
29	Timing Belt (APS)	4 Nos	Each	
30	Tapit Packing (APS)	1 No	Each	
31	Water Body Complete (APS)	1 No	Each	
32	Break Shoe Front (APS)	8 Nos	Each	
33	Break Shoe Rear (APS)	8 Nos	Each	
34	Side Glass (Mirror) (APS)	4 Nos	Each	
35	Clutch Cylinder Complete (APS)	2 Nos	Each	
36	Head Light (APS)	4 Nos	Each	
37	Indicator (APS)	4 Nos	Each	
38	Horn (APS)	1 No	Each	
39	Back Ligth (APS)	4 Nos	Each	
40	Crown Pinion Gear (APS)	1 No	Each	
41	Crown Pinion Bearing (APS)	1 No	Each	
42	Starting Swtich (APS)	2 Nos	Each	
43	Wheel Stud with Nut (APS)	20 Nos	Each	
44	Cam Shaft (APS)	1 No	Each	
45	Crank Shaft (APS)	1 No	Each	

SPARE PARTS FOR TOYOTA VIGO
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2	3	4	5
46	Oil Pump Complete (APS)	1 No	Each	
47	Wheel Beraing (APS)	4 Nos	Each	
48	Generator (APS)	1 No	Each	
49	Hose Pipe (APS)	4 Nos	Each	
50	Wind Screen (APS)	1 No	Each	
51	Wheel Cylinder Complete (APS)	1 No	Each	
52	Kamani Bush (APS)	4 Nos	Each	
53	Kamani Pin (APS)	4 Nos	Each	
54	Kamani Bolt (APS)	4 Nos	Each	
55	Kamani Nut (APS)	4 Nos	Each	
56	Fan (APS)	2 Nos	Each	
57	Kamani Bracket (APS)	4 Nos	Each	
58	Door Lock (APS)	4 Nos	Each	
59	Exhasut Menefold (Right) (APS)	1 No	Each	
60	Exhasut Menefold (Left) (APS)	1 No	Each	
61	Injector Diesel Line (APS)	6 Nos	Each	
62	Shock Absorber Front (APS)	2 Nos	Each	
63	Shock Absorber Rear (APS)	2 Nos	Each	
64	Tappet Fluid (APS)	1 No	Each	
65	Cam Shft Bush (APS)	6 Nos	Each	
66	Cross (APS)	4 Nos	Each	
67	Thrust Collor	2 Nos	Each	
68	Bearing (Driving shaft)	8 Nos	Each	
69	Rubur Bushing APS (Driving shaft)	8 Nos	Each	
70	Bracket APS (Driving shaft)	5 Nos	Each	
71	Foundation (Engine) APS	4 Nos	Each	
72	Foundation (Gear Box) APS	8 Nos	Each	
73	Bearing (Fan pully)	10 Nos	Each	
JOB WORK				
1	Repairing of Block by Boring Facing & Gridning etc .	1 Job	P.Job	
2	Repairing of Head by Seat Cutting, Facing & guide Fitting Valve granding etc	1 Job	P.Job	
3	Crank Shaft Turning, polishing buffing etc.	1 Job	P.Job	
4	Cam Shaft Turning with bush fitting etc.	1 Job	P.Job	
5	Repairing of Generator Prov: Bearing & Carbon Bush etc.	2 Jobs	P.Job	
6	Fuel Injection Pump rep: with Parts complete.	2 Jobs	P.Job	
7	Repairing of Radiator Complete	4 Jobs	P.Job	
8	Drum Turning Prov: Leather with revits fitting etc.	8 Jobs	P.Job	
9	Injector Needle & Nozzle servicing	4 Jobs	P.Job	
10	Repairing of self prov: bross Bush fitting & Carbon Bush Fitting etc.	2 Jobs	P.Job	
11	Rep: of Door along with Lock etc.	4 Jobs	P.Job	

SPARE PARTS FOR TOYOTA VIGO
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2	3	4	5
12	Rep: of Master Cylinder by sleeve fitting and seal kit etc.	1 Job	P.Job	
13	Rep: of Clutch Cylinder seal fitting etc.	1 Job	P.Job	
14	Rep: of Hub Turning & facing Cone Bearing fitting etc.	4 Jobs	P.Job	
15	Rep: of Bonnet by denting & tuching Fitting etc.	1 Job	P.Job	
16	Rep: Mudguard by denting & painting Fitting etc.	1 Job	P.Job	
17	Rep: of Seat with Cushion and Fitting etc.	2 Jobs	P.Job	
18	Wheel alignment & Balancing etc.	4 Jobs	P.Job	
19	Rep: Driving Shaft Prov: Parts fitting etc.	2 Jobs	P.Job	
20	Rep: of Stearing Box prov: Bearing & Fitting etc.	2 Jobs	P.Job	
21	Rep: of Excel along with Parts & fitting Bolt etc	4 Jobs	P.Job	
22	Rep: of Water Body prov: Parts & Fitting etc	2 Jobs	P.Job	
23	Rep: of Road spring prov: 2nd & 3rd Leaf with bush etc.	4 Jobs	P.Job	
24	Wiring Complete	1 Job	P.Job	
25	Repair of Loading Dala prov: sheet by welding complete etc.	1 Job	P.Job	
26	Rep: of Fan Pully by Boring & Bearing Fitting etc.	6 Job	P.Job	

Note:- The Quantities may vary and the same will be acquired/ procured from the lowest approved contractor/ supplier as and when required on need basis through out the financial year 2017-18

Executive Engineer
Feeder Division Hyderabad.

CONTRACTOR

**SPARE PARTS FOR TOYOTA LAND CRUISER JEEP
SCHEDULE OF PRICE**

S.#	DESCRIPTION	QUANTITY	UNIT	RATE
1	2	3	4	5
1	Ring (4 No per set) (APS)	1 Set	P.Set	
2	Main, Big & Bearing (9 No per Set) (APS)	1 Set	P.Set	
3	Piston(4 No per set) (APS)	6 Nos	Each	
4	Valve (4 No per set) (APS)	1 Set	P.Set	
5	Sleave (4 No per set) (APS)	1 Set	P.Set	
6	Vlave Guide (4 No per set) (APS)	1 Set	P.Set	
7	Head & Gas Kit complete (APS)	1 Kit	P.Kit	
8	Gudgion Pin Bush (4 No per set) (APS)	1 Set	P.Set	
9	Fuel Injection Pump (APS)	1 No	Each	
10	Injector (APS)	6 Nos	Each	
11	Radiator (APS)	1 No	Each	
12	Master Cylinder (APS)	4 No	Each	
13	Break Booster (APS)	4 Nos	Each	
14	Clutch Plate (APS)	2 Nos	Each	
15	Pressure Plate (APS)	2 Nos	Each	
16	Tie Rod End (APS)	4 Nos	Each	
17	Oil Filter (APS)	8 Nos	Each	
18	Diesel Filter APS	8 Nos	Each	
19	Air Cleaner Filter APS	4 Nos	Each	
20	Main Leaf Rear (APS)	2 Nos	Each	
21	2nd Leaf Rear (APS)	2 Nos	Each	
22	3rd Leaf Rear (APS)	2 Nos	Each	
23	Main Leaf Front (APS)	2 Nos	Each	
24	2nd Leaf Front (APS)	2 Nos	Each	
25	3rd Leaf Front (APS)	2 Nos	Each	
26	Hub Oil Seal (APS)	4 Nos	Each	
27	Break Cylinder Washer (APS)	8 Nos	Each	
28	Master Cylinder Complete (APS)	2 Nos	Each	
29	U-Clip (APS)	8 Nos	Each	
30	Fan Belt (APS)	6 Nos	Each	
31	Engine Oil Seal Front (APS)	2 Nos	Each	
32	Timing Seal (APS)	2 Ncs	Each	
33	Timing Belt (APS)	4 Nos	Each	
34	Tapit Packing (APS)	1 No	Each	
35	Water Body Complete (APS)	1 No	Each	
36	Break Shoe Front (APS)	8 Nos	Each	
37	Break Shoe Rear (APS)	8 Nos	Each	
38	Side Glass (Mirror) (APS)	4 Nos	Each	
39	Cylinder Complete (APS)	2 Nos	Each	
40	Head Light (APS)	4 Nos	Each	
41	Indicator (APS)	8 Nos	Each	
42	Horn (APS)	1 No	Each	
43	Back Lighth (APS)	4 Nos	Each	
44	Crown Pinion Gear (APS)	1 No	Each	
45	Crown Pinion Bearing (APS)	1 No	Each	

46	Starting Swtich With Key (APS)	2 Nos	Each	
47	Wheel Stud with Nut (APS)	20 Nos	Each	
48	Cam Shaft (APS)	1 No	Each	
49	Crank Shaft (APS)	1 No	Each	
50	Oil Pump Complete (APS)	1 No	Each	
51	Wheel Beraing (APS)	4 Nos	Each	
52	Generator (APS)	1 No	Each	
53	Hose Pipe (APS)	4 Nos	Each	
54	Wind Screen (APS)	1 No	Each	
55	Wheel Cylinder Complete (APS)	4 Nos	Each	
56	Kamani Bush (APS)	4 Nos	Each	
57	Kamani Pin (APS)	4 Nos	Each	
58	Kamani Bolt (APS)	4 Nos	Each	
59	Kamani Nut (APS)	4 Nos	Each	
60	Fan (APS)	2 Nos	Each	
61	Kamani Bracket (APS)	4 Nos	Each	
62	Door Lock (APS)	4 Nos	Each	
63	Exhasut Menefold (Right) (APS)	1 No	Each	
64	Exhasut Menefold (Left) (APS)	1 No	Each	
65	Injector Diesel Line (APS)	6 Nos	Each	
66	Shock Absorber Front (APS)	2 Nos	Each	
67	Shock Absorber Rear (APS)	2 Nos	Each	
68	Tappet Fluid (APS)	1 No	Each	
69	Cam Shft Bush (APS)	6 Nos	Each	
70	Cross (APS)	4 Nos	Each	
71	Thrust Collor	2 Nos	Each	
72	Bearing (Driving shaft)	8 Nos	Each	
73	Rubur Bushing APS (Driving shaft)	8 Nos	Each	
74	Bracket APS (Driving shaft)	5 Nos	Each	
75	Foundation (Engine) APS	4 Nos	Each	
76	Foundation (Gear Box) APS	8 Nos	Each	
77	Bearing (Fan pully)	10 Nos	Each	

JOB WORK

1	Reparing of Block by Boring Facing & Gridning etc .	1 Job	P.Job	
2	Reparing of Head by Seat Cutting, Facing & guide Fitting Valve granding etc	1 Job	P.Job	
3	Crank Shaft Turning, polishing buffing etc.	1 Job	P.Job	
4	Cam Shaft Turning with bush fitting etc.	1 Job	P.Job	
5	Reparing of Generator Prov: Bearing & Carbon Bush etc.	2 Jobs	P.Job	
6	Fuel Injection Pump rep: with Parts complete.	2 Jobs	P.Job	
7	Reparing of Radiator Complete	4 Jobs	P.Job	
8	Drum Turning Prov: Leather with revits fitting etc	8 Jobs	P.Job	
9	Injector Needle & Nozzle servicing	4 Jobs	P.Job	
10	Reparing of self prov: bass Bush fitting & Carbon Bush Fitting etc.	2 Jobs	P.Job	
11	Rep: of Door along with Lock etc.	4 Jobs	P.Job	

12	Rep: of Master Cylinder by sleeve fitting and seal kit etc.	1 Job	P.Job	
13	Rep: of Clutch Cylinder seal fitting etc.	1 Job	P.Job	
14	Rep: of Hub Turning & facing Cone Bearing fitting etc.	4 Jobs	P.Job	
15	Rep: of Bonnet by dending & painting Fitting etc.	1 Job	P.Job	
16	Rep: Mudguard by dending & painting Fitting	1 Job	P.Job	
17	Rep: of Seat with Cushion and Fitting etc.	2 Jobs	P.Job	
18	Rep: of Body by dending & painting Fitting etc.	1 Job	P.Job	
19	Wheel alignment & Balancing etc.	4 Jobs	P.Job	
20	Rep: Driving Shaft Prov: Parts fitting etc.	2 Jobs	P.Job	
21	Rep: of Stearing Box prov: Bearing & Fitting etc.	2 Jobs	P.Job	
22	Rep: of Excel alongwith Parts & fitting Nut & Bolt etc	4 Jobs	P.Job	
23	Rep: of Water Body prov: Parts & Fitting etc	2 Jobs	P.Job	
24	Rep: of Road spring prov: 2nd & 3rd Leaf with	4 Jobs	P.Job	
25	Wiring Complete	1 Job	P.Job	
26	Rep: of Fan Pully by Boring & Bearing Fitting etc	6 Job	P.Job	

Note: The Quantities may vary and the same will be acquired/ procured from the lowest approved contractor/ supplier as and when required on need basis through out the financial year 2017-18

Executive Engineer
Feeder Division Hyderabad.

CONTRACTOR

SPARE PARTS FOR MITSUBISHI PAJERO
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	Quantity	UNIT	RATE
1	2	3	4	5
1	Ring (4 No per set) (APS)	1 Set	P.Set	
2	Main, Big & Bearing (9 No per Set) (APS)	1 Set	P.Set	
3	Piston(4 No per set) (APS)	6 Nos	Each	
4	Valve (4 No per set) (APS)	1 Set	P.Set	
5	Sleave (4 No per set) (APS)	1 Set	P.Set	
6	Vlave Guide (4 No per set) (APS)	1 Set	P.Set	
7	Head & Gas Kit complete (APS)	1 Kit	P.Kit	
8	Gudgion Pin Bush (4 No per set) (APS)	1 Set	P.Set	
9	Fuel Injection Pump (APS)	1 No	Each	
10	Injector (APS)	6 Nos	Each	
11	Radiator (APS)	1 No	Each	
12	Master Cylinder (APS)	4 No	Each	
13	Break Booster (APS)	4 Nos	Each	
14	Clutch Plate (APS)	2 Nos	Each	
15	Pressure Plate (APS)	2 Nos	Each	
16	Tie Rod End (APS)	4 Nos	Each	
17	Oil Filter (APS)	8 Nos	Each	
18	Diesel Filter APS	8 Nos	Each	
19	Air Cleaner Filter APS	4 Nos	Each	
20	Main Leaf Rear (APS)	2 Nos	Each	
21	2nd Leaf Rear (APS)	2 Nos	Each	
22	3rd Leaf Rear (APS)	2 Nos	Each	
23	Main Leaf Front (APS)	2 Nos	Each	
24	2nd Leaf Front (APS)	2 Nos	Each	
25	3rd Leaf Front (APS)	2 Nos	Each	
26	Hub Oil Seal (APS)	4 Nos	Each	
27	Break Cylinder Washer (APS)	8 Nos	Each	
28	Master Cylinder Complete (APS)	2 Nos	Each	
29	U-Clip (APS)	8 Nos	Each	
30	Fan Belt (APS)	6 Nos	Each	
31	Engine Oil Seal Front (APS)	2 Nos	Each	
32	Timing Seal (APS)	2 Nos	Each	
33	Timing Belt (APS)	4 Nos	Each	
34	Tapit Packing (APS)	1 No	Each	
35	Water Body Complete (APS)	1 No	Each	
36	Break Shoe Front (APS)	8 Nos	Each	
37	Break Shoe Rear (APS)	8 Nos	Each	
38	Side Glass (Mirror) (APS)	4 Nos	Each	

SPARE PARTS FOR MITSUBISHI PAJERO
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	Quantity	UNIT	RATE
1	2	3	4	5
39	Cylinder Complete (APS)	2 Nos	Each	
40	Head Light (APS)	4 Nos	Each	
41	Indicator (APS)	8 Nos	Each	
42	Horn (APS)	1 No	Each	
43	Back Ligth (APS)	4 Nos	Each	
44	Crown Pinion Gear (APS)	1 No	Each	
45	Crown Pinion Bearing (APS)	1 No	Each	
46	Starting Swtich With Key (APS)	2 Nos	Each	
47	Wheel Stud with Nut (APS)	20 Nos	Each	
48	Cam Shaft (APS)	1 No	Each	
49	Crank Shaft (APS)	1 No	Each	
50	Oil Pump Complete (APS)	1 No	Each	
51	Wheel Beraing (APS)	4 Nos	Each	
52	Generator (APS)	1 No	Each	
53	Hose Pipe (APS)	4 Nos	Each	
54	Wind Screen (APS)	1 No	Each	
55	Wheel Cylinder Complete (APS)	4 Nos	Each	
56	Kamani Bush (APS)	4 Nos	Each	
57	Kamani Pin (APS)	4 Nos	Each	
58	Kamani Bolt (APS)	4 Nos	Each	
59	Kamani Nut (APS)	4 Nos	Each	
60	Fan (APS)	2 Nos	Each	
61	Kamani Bracket (APS)	4 Nos	Each	
62	Door Lock (APS)	4 Nos	Each	
63	Exhasut Menefold (Right) (APS)	1 No	Each	
64	Exhasut Menefold (Left) (APS)	1 No	Each	
65	Injector Diesel Line (APS)	6 Nos	Each	
66	Shock Absorber Front (APS)	2 Nos	Each	
67	Shock Absorber Rear (APS)	2 Nos	Each	
68	Tappet Fluid (APS)	1 No	Each	
69	Cam Shft Bush (APS)	6 Nos	Each	
70	Cross (APS)	4 Nos	Each	
71	Thrust Collor	2 Nos	Each	
72	Bearing (Driving shaft)	8 Nos	Each	
73	Rubur Bushing APS (Driving shaft)	8 Nos	Each	
74	Bracket APS (Driving shaft)	5 Nos	Each	
75	Foundation (Engine) APS	4 Nos	Each	
76	Foundation (Gear Box) APS	8 Nos	Each	

SPARE PARTS FOR MITSUBISHI PAJERO
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	Quantity	UNIT	RATE
1	2	3	4	5
77	Bearing (Fan pully)	10 Nos	Each	
JOB WORK				
1	Repairing of Block by Boring Facing & Gridning etc .	1 Job	P.Job	
2	Repairing of Head by Seat Cutting, Facing & guide Fitting Valve granding etc	1 Job	P.Job	
3	Crank Shaft Turning, polishing buffing etc.	1 Job	P.Job	
4	Cam Shaft Turning with bush fitting etc.	1 Job	P.Job	
5	Repairing of Generator Prov: Bearing & Carbon Bush etc.	2 Jobs	P.Job	
6	Fuel Injection Pump rep: with Parts complete.	2 Jobs	P.Job	
7	Repairing of Radiator Complete	4 Jobs	P.Job	
8	Drum Turning Prov: Leather with revits fitting etc.	8 Jobs	P.Job	
9	Injector Needle & Nozzle servicing	4 Jobs	P.Job	
10	Repairing of self prov: bass Bush fitting & Carbon Bush	2 Jobs	P.Job	
11	Rep: of Door along with Lock etc.	4 Jobs	P.Job	
12	Rep: of Master Cylinder by sleeve fitting and seal kit etc.	4 Job	P.Job	
13	Rep: of Clutch Cylinder seal fitting etc.	4 Job	P.Job	
14	Rep: of Hub Turning & facing Cone Bearing fitting etc.	4 Jobs	P.Job	
15	Rep: of Bonnet by dending & painting Fitting etc.	4 Job	P.Job	
16	Rep: Mudguard by dending & painting Fitting etc.	4 Job	P.Job	
17	Rep: of Seat with Cushion and Fitting etc.	2 Jobs	P.Job	
18	Rep: of Body by dending & painting Fitting etc.	6 Job	P.Job	
19	Wheel alignment & Balancing etc.	4 Jobs	P.Job	
20	Rep: Driving Shaft Prov: Parts fitting etc.	2 Jobs	P.Job	
21	Rep: of Stearing Box prov: Bearing & Fitting etc.	2 Jobs	P.Job	
22	Rep: of Excel alongwith Parts & fitting Nut & Bolt etc	4 Jobs	P.Job	
23	Rep: of Water Body prov: Parts & Fitting etc	2 Jobs	P.Job	
24	Rep: of Road spring prov: 2nd & 3rd Leaf with bush	4 Jobs	P.Job	
25	Wiring Complete	4 Jobs	P.Job	
26	Rep: of Fan Pully by Boring & Bearing Fitting etc.	6 Job	P.Job	

Note:- The Quantities may vary and the same will be acquired/ procured from the lowest approved contractor/ supplier as and when required on need basis through out the financial year 2017-18

Executive Engineer
Feeder Division Hyderabad.

CONTRACTOR

SPARE PARTS FOR LEYLAND TRAILOR
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	Quantity	UNIT	RATE
1	2	3	4	5
1	Ring Set APS	6 Packet	P.Packet	
2	Main, Big & Bearing APS	2 Sets	P.Set	
3	Piston APS	1 Sets	P.Set	
4	Valve APS	2 sets	P.Set	
5	Sleeve APS	1 Sets	P.Set	
6	Vlave Guide APS	2 Sets	P.Set	
7	Head & Gas Kit complete APS	1 Kits	P.Kit	
8	Gudgion Pin Bush APS	2 Sets	P.Set	
9	Injector APS	8 Nos	Each	
10	Master Cylinder APS	2 Nos	Each	
11	Break Booster APS	28 Nos	Each	
12	Clutch Plate APS	4 Nos	Each	
13	Pressure Plate APS	4 Nos	Each	
14	Tie Rod End APS	8 Nos	Each	
15	Oil Filter APS	7 Nos	Each	
16	Diesel Filter APS	6 Nos	Each	
17	Air Cleaner Filter APS	3 Nos	Each	
18	Main Leaf Rear APS	2 Nos	Each	
19	2nd Leaf Rear APS	2 Nos	Each	
20	3rd Leaf Rear APS	2 Nos	Each	
21	Main Leaf Front APS	2 Nos	Each	
22	2nd Leaf Front APS	2 Nos	Each	
23	3rd Leaf Front APS	2 Nos	Each	
24	Hub Oil Seal APS	4 Nos	Each	
25	Break Cylinder Washer APS	16 Nos	Each	
26	Master Cylinder Complete APS	1 Nos	Each	
27	U-Clip APS	10 Nos	Each	
28	Fan Belt APS	5 Nos	Each	
29	Engine Oil Seal Front APS	2 Nos	Each	
30	Tapit Packing APS	1 Nos	Each	
31	Water Body Complete APS	2 Nos	Each	
32	Break Shoe Front APS	4 Nos	Each	
33	Break Shoe Rear APS	10 Nos	Each	
34	Side Glass (Mirror) APS	8 Nos	Each	
35	Cylinder Complete APS	2 Nos	Each	
36	Head Light APS	8 Nos	Each	
37	Indicator APS	16 Nos	Each	

SPARE PARTS FOR LEYLAND TRAILOR
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	Quantity	UNIT	RATE
1	2	3	4	5
38	Horn APS	2 Nos	Each	
39	Back Ligth APS	4 Nos	Each	
40	Crown Pinion Gear APS	2 Nos	Each	
41	Crown Pinion Bearing APS	2 Nos	Each	
42	Starting Swtich With Key APS	4 Nos	Each	
43	Wheel Stud with Nut APS	50 Nos	Each	
44	Cam Shaft APS	2 Nos	Each	
45	Thirst coller APS	2 Nos	Each	
46	Wheel Bearing (APS)	20 Nos	Each	
47	Generator APS	2 Nos	Each	
48	Hose Pipe APS	20 Nos	Each	
49	Master Cylinder Kit APS	4 Nos	P.Kit	
50	Engine Oil Seal Rear APS	4 Nos	Each	
51	Wheel Cylinder Complete APS	5 Nos	Each	
52	Starting Push Red APS	2 Nos	Each	
53	Kamani Bush APS	4 Nos	Each	
54	Kamani Pin APS	4 Nos	Each	
55	Kamani Bolt APS	4 Nos	Each	
56	Kamani Nut APS	8 Nos	Each	
57	Fan APS	2 Nos	Each	
58	Kamani Bracket APS	4 Nos	Each	
59	Door Lock APS	4 Nos	Each	
60	Exhaust Menue full (Right) APS	2 Nos	Each	
61	Exhaust Menue full (Left) APS	2 Nos	Each	
62	Diesel Line APS	10 Nos	Each	
63	Shock Absorber Front APS	4 Nos	Each	
64	Shock Absorber Rear APS	8 Nos	Each	
65	Tappet Fluid APS	2 Nos	Each	
66	Cam Shft Bush APS	5 Nos	Each	
67	Cross APS	4 Nos	Each	
68	Thurst collor	4 Nos	Each	
69	Gear (Stearing pump)APS	3 Nos	Each	
70	Bearing (Stearing pump)APS	4 Nos	Each	
71	Seal (Stearing pump)APS	3 Nos	Each	
72	Hyd: Hose (Stearing pump)APS	4 Nos	Each	
73	Diaform (Boster)	3 Nos	Each	
74	Spring (Boster) APS	6 Nos	Each	

SPARE PARTS FOR LEYLAND TRAILOR
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	Quantity	UNIT	RATE
1	2	3	4	5
75	oil Cooler complete APS	4 Nos	Each	
76	Cut Out APS	5 Nos	Each	
77	Air Pressure guage	3 Nos	Each	
78	Oil Pressure guage	3 Nos	Each	
79	Temperature guage	3 Nos	Each	
80	Seal (Deferential) APS	3 Nos	Each	
81	Seal Axil APS	5 Nos	Each	
82	Seal (Oil Cooler) APS	5 Nos	Each	
83	Bearing for Fan Pully	5 Nos	Each	
JOB WORK				
1	Repairing of Block Prov: Bearing Facing & Grinding, Turning & Fitting	1 Jobs	P.Job	
2	Repairing of Head, Seat Cutting, Facing & seat Fitting along with Valve Guide etc.	1 Jobs	P.Job	
3	Crank Shaft Turning, polishing buffing etc.	2 Jobs	P.Job	
4	Cam Shaft Turning & Fitting with bush etc.	2 Jobs	P.Job	
5	Repairing of Generator Prov: Bearing & Carbon Bush etc.	2 Jobs	P.Job	
6	Fuel Injection Pump rep: with Parts complete etc	2 Jobs	P.Job	
7	Repairing of Radiator Complete etc	2 Jobs	P.Job	
8	Drum Turning Prov: Leather with repits & fitting etc.	5 Jobs	P.Job	
9	Injector Needle & Nozzle servicing & fitting etc.	2 Jobs	P.Job	
10	Repairing Water Body Prov: Parts & fitting etc.	2 Jobs	P.Job	
11	Repairing of Self Prov: bross bush new mfg: Fitting Prov: Carbon Bush Fitting etc.	1 Jobs	P.Job	
12	Rep: of Door along with Lock and setting etc.	2 Jobs	P.Job	
13	Rep: of Master Cylinder sleeve, seal kit fitting etc.	1 Jobs	P.Job	
14	Rep: of Clutch Cylender Prov: Fitting of Sleeve etc.	1 Jobs	P.Job	
15	Rep: of Hub by Turning & facing fitting prov: Cone Bearing etc.	1 Jobs	P.Job	
16	Rep: of Bonnet by welding, fitting of parts etc.	1 Jobs	P.Job	
17	Rep: Mudguard by welding & fitting etc	1 Jobs	P.Job	
18	Rep: of Loading Dala Prov: Sheet,Welding & fitting etc.	1 Jobs	P.Job	
19	Rep: of Seat with Cushion prov: Fitting etc.	2 Jobs	P.Job	
20	Rep: of Cabin by Denting, painting etc.	1 Jobs	P.Job	
21	Wheel alignment prov: Balancing etc	4 Jobs	P.Job	
22	Rep: Driving Shaft Prov: Parts with fitting etc	2 Jobs	P.Job	
23	Rep: of Stearing Box prov: Bearing & Fitting etc.	1 Jobs	P.Job	

SPARE PARTS FOR LEYLAND TRAILOR
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	Quantity	UNIT	RATE
1	2	3	4	5
24	Rep: of Excel alongwith Parts & fitting of Nut & Bolt etc	10 Jobs	P.Job	
25	Rep: of Water Body prov: Parts & Fitting etc.	4 Jobs	P.Job	
26	Rep: of Road spring, providing 2nd and 3rd leaf with Bushing fitting etc.	6 Jobs	P.Job	
27	Wiring Complete etc.	2 Jobs	P.Job	
28	Rep: of Slaeving pump (Hydraulic) by change of parts etc	4 Job	P.Job	
29	Rep: of leaver Assy: fitting by welding, new Bush fitting etc.	4 Job	P.Job	
30	Rep: of Cooler by working clearing etc.	2 Job	P.Job	
31	Rep: of Compressor, by head facing, changing of seat cutting and valce changing and fitting etc.	4 Job	P.Job	
32	Air Compressure General over hauling by sleeve futting Head facing, new seal fitting, fixing etc.	4 Job	P.Job	
33	Rep: of Transmission by removing of defect shaft and parts fitting etc.	6 Job	P.Job	
34	Rep: of Fan pully by boring & Bearing fitting etc.	4 Job	P.Job	

Note:- The Quantities may vary and the same will be acquired/ procured from the lowest approved contractor/ supplier as and when required on need basis through out the financial year 2017-18

Executive Engineer
Feeder Division Hyderabad.

CONTRACTOR

TYRES WITH TUBE & BATTERIES FOR ALL KINDS OF VEHICLES
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2	3	4	5
1	Tyres with Tube 205x16,	8 Nos	Each	
2	Tyres with Tube 600x16	8 Nos	Each	
3	Tyres with Tube 650x14	8 Nos	Each	
4	Tyres with Tube 750x16	16 Nos	Each	
5	Tyres with Tube 825x20	20 Nos	Each	
6	Tyres with Tube 900x20	20 Nos	Each	
7	Tyres with Tube 1000x20	30 Nos	Each	
8	Tyres with Tube 1100x20	30 Nos	Each	
9	Tyres with Tube 1200x20	10 Nos	Each	
TUBES				
1	Tube 205x16,	12 Nos	Each	
2	Tube 600x16	12 Nos	Each	
3	Tube 650x14	12 Nos	Each	
4	Tube 750x16	20 Nos	Each	
5	Tube 825x20	20 Nos	Each	
6	Tube 900x20	20 Nos	Each	
7	Tube 1000x20	20 Nos	Each	
8	Tube 1100x20	20 Nos	Each	
9	Tube 1200x20	20 Nos	Each	
BATTERY				
1	Battery 12 Volt 13 Plate	8 Nos	Each	
2	Battery 12 Volt 15 Plate	8 Nos	Each	
3	Battery 12 Volt 19 Plate	16 Nos	Each	
4	Battery 12 Volt 23 Plate	12 Nos	Each	
5	Battery 12 Volt 25 Plate	12 Nos	Each	
6	Battery 12 Volt 27 Plate	30 Nos	Each	
7	Battery 12 Volt 31 Plate	12 Nos	Each	
Hiring of Hydraulic Excavator				
1	Hiring of Hydraulic Excavator Machine with POLs	400 Hours	P.Hour	
2	Hiring of Hydraulic Excavator Machine with POLs	2.0 Million Cft:	P.%0 Cft:	
3	Toyota Pick-Up with POLs	30 days	P/day	
4	Dozer with POLs	100 Hour	P.Hour	

Note:- The Quantities may vary and the same will be acquired/ procured from the lowest approved contractor/ supplier as and when required on need basis throughout the financial year 2017-18

Executive Engineer
Feeder Division Hyderabad.

CONTRACTOR

SPARE PARTS FOR DUETS WELDING GENERATOR PLANT
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	Quantity	UNIT	RATE
1	2	3	4	5
1	Oil Filter (APS)	4 Nos	Each	
2	Diesel Filter (APS)	8 Nos	Each	
3	Air Clener Filter (APS)	4 Nos	Each	
4	Piston (4 No per set) (APS)	1 Set	P.Set	
5	Sleave (4 No per set) (APS)	1 Set	P.Set	
6	Ring (4 No per set) (APS)	4 Packet	P.Packet	
7	Major head Gas Kit complete (APS)	1 Kit	P.Kit	
8	Valve Inlet (4 No per set) (APS)	1 Set	P.Set	
9	Valve Exhaust (4 No per set) (APS)	1 Set	P.Set	
10	Valve Guide (4 No per set) (APS)	1 Set	P.Set	
11	Cam Shaft Bush (4 No per set) (APS)	1 Set	P.Set	
12	Connecting Rod Bush (4 No per set) (APS)	1 Set	P.Set	
13	Connecting Rod Nut & Bolt (8 No per set) (APS)	1 Set	P.Set	
14	Idler Gear Bush with Washer (APS)	2 Nos	Each	
15	Crank Thurst Coller (APS)	1 No	Each	
16	Oil Pump (APS)	1 No	Each	
17	Fuel Pump Complete (APS)	1 No	Each	
18	A.C Pump (APS)	1 No	Each	
19	Bolt for Timing (APS)	4 Nos	Each	
20	Self Starter (APS)	1 No	Each	
21	Alternator/Generator (APS)	1 No	Each	
22	Coupling Bolt (APS)	4 Nos	Each	
23	Coupling (APS)	4 Nos	Each	
24	Timing Cover (APS)	2 Nos	Each	
25	Crank Shaft Bolt (APS)	4 Nos	Each	
26	Packing Kit complete (APS)	1 Kit	P.Kit	
27	Seal (APS)	2 Nos	Each	
28	Fan Belt (APS)	4 Nos	Each	
29	Bearing (APS)	4 Nos	Each	
30	Manifold (APS)	1 No	Each	
31	Push rod Pipe with washer & Seal (APS)	2 Nos	Each	
32	Silencer complete (APS)	1 No	Each	
33	Engine oil seal front (APS)	1 No	Each	
34	Main bearing (4 No per set) (APS)	1 Set	P.Set	
35	Big end bearing (4 No per set) (APS)	1 Set	P.Set	
36	Foundation (Engine) APS	4 Nos	Each	

DUETS WELDING GENERATOR PLANT
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	Quantity	UNIT	RATE
1	2	3	4	5
37	Bearing (Fan pully) (APS)	10 Nos	Each	
JOB WORK				
1	Self Starter rep: with replacement of defactive parts etc	2 Jobs	P.Job	
2	Gent: Rep: i.c bearings & Corban Bush fitting etc	2 Jobs	P.Job	
3	Head repairing i.c seat cutting polishing Guide & Valve granding and fitting etc.	1 Job	P.Job	
4	Head repairing, Cheking welding, facing, grinding & polishing etc.	1 Job	P.Job	
5	Engine Block repairing i.c sleeve fitting boring & polishing etc.	1 Job	P.Job	
6	Crank shoft turning (U/Size), i.c polishing, buffing etc.	1 Job	P.Job	
7	Calibration of injection pump & servicing complete	2 Jobs	P.Job	
8	Injector needle & Nozzle service and fitting etc.	2 Jobs	P.Job	
9	Rep: of Fan Pully by Boring & Bearing Fitting etc.	6 Job	P.Job	

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Executive Engineer
Feeder Division Hyderabad.

CONTRACTOR

SPARE PARTS FOR AIRMAN GENERATOR
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	Quantity	UNIT	RATE
1	2	3	4	5
1	Air Clener Filter (APS)	8 Nos	Each	
2	Fuel Filter (APS)	16 Nos	Each	
3	Oil Fitler (APS)	16 Nos	Each	
4	Water Body Kit (APS)	4 Kits	P.Kit	
5	Oil Seal (APS)	16 Nos	Each	
6	Piston (APS)	2 Sets	P.Set	
7	Ring (APS)	8 Pakits	P.Pakit	
8	Sleave (APS)	2 Sets	P.Set	
9	Connecting Rod Bush (APS)	2 Sets	P.Set	
10	Cam Bush (APS)	2 Sets	P.Set	
11	Vale Inlet/Exhaust set (APS)	2 Sets	P.Set	
12	Valve Guide (APS)	2 Sets	P.Set	
13	A.C Pump (APS)	2 Nos	Each	
14	Fuel Lining (APS)	8 Nos	Each	
15	Heat Plug (APS)	8 Nos	Each	
16	Starting Switch with Keys(APS)	4 Nos	Each	
17	Rim Wheel APS	4 Nos	Each	
18	Generator Complete (APS)	2 Nos	Each	
19	Self Starter Complete (APS)	2 Nos	Each	
20	Fan Belt APS	8 Nos	Each	
21	Fan Pully (APS)	4 Nos	Each	
22	Water Body Complete (APS)	2 Nos	Each	
23	Head Gas Kit Complete (APS)	2 Nos	P.Kit	
24	Big end Bearing (APS)	2 Set	P.Set	
25	Gudgen Pin (APS)	2 Set	P.Set	
26	Plunger for Fuel Pump (APS)	8 Nos	Each	
27	Delivery Valve (APS)	4 Nos	Each	
28	Niddle & Nozzle (APS)	8 Nos	Each	
29	R.P.M Guage (APS)	2 Nos	Each	
30	Ampere Meter (APS)	4 Nos	Each	
31	Water Temperature Guage (APS)	4 Nos	Each	
32	Change Over Switch 50 AMP (APS)	2 Nos	Each	
33	Radiator Core (APS)	2 Nos	Each	
34	Road Spring Complete (APS)	2 Nos	Each	
35	Main Bearing Set complete (APS)	2 Sets	P.Set	

SPARE PARTS FOR AIRMAN GENERATOR
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	Quantity	UNIT	RATE
1	2	3	4	5
36	Thrust collar (APS)	1 No	Each	
37	Injector complete (APS)	4 Nos	Each	
38	Engine Oil Seal Rear APS	2 Nos	Each	
39	Engine Oil Seal Front APS	2 Nos	Each	
40	Wheel Stude Left/Right APS	20 Nos	Each	
41	Kamani Pin,Bush (Shakle) (APS)	8 Sets	P.Set	
42	Engine Oil Pump Complete (APS)	2 Nos	Each	
43	Radiator Pipe Upper & Lower APS	8 Nos	P.Set	
44	Pipe Clip APS	8 Nos	Each	
45	Radiator Complete (APS)	2 Nos	Each	
46	Foundation (Engine) APS	4 Nos	Each	
47	Bearing (Fan pully)	10 Nos	Each	
JOB WORK				
1	Rep: of Generator complete	4 Jojs	P.Job	
2	Rep: of Self Starter Complete	4 Jobs	P.Job	
3	Calbieration of Fuel Injection Pump and Servicing etc	4 Jobs	P.Job	
4	Head Rerairing i.c Seat Cutting & polihing & Valve Guide Fixing etc	2 Jobs	P.Job	
5	Head repairing i.c Head Checking welding grinding, facing, seat cutting & polishing etc	2 Jobs	P.Job	
6	Engine Block Rep: i.c Sleeve Fiting Boring polishing etc.	2 Jobs	P.Job	
7	Crank shoft turning (U/S) i.c polishing etc	2 Jobs	P.Job	
8	Injector Needle & Nozzle servicing	4 Jobs	P.Job	
9	Radiator Service complete	4 Jobs	P.Job	
10	Radiator rep: with change of worn-out parts etc	2 Jobs	P.Job	
11	Water Body repairing complete	4 Jobs	P.Job	
12	Rep: of Fan Pully by Boring & Bearing Fitting etc.	6 Job	P.Job	

Note:- The Quantities may vary and the same will be acquired/ procured from the lowest approved contractor/ supplier as and when required on need basis through out the financial year 2017-18

Executive Engineer
Feeder Division Hyderabad.

CONTRACTOR

SAPRE PARTS FOR TADANO MOUNTED CRANE
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	Quantity	UNIT	RATE
1	2		3	4
1	Fuel Filter Primary APS	20 Nos	Each	
2	Fuel Filter Secondary APS	20 Nos	Each	
3	Air Cleaner Filter Primary Aps	10 Nos	Each	
4	Air Cleaner Filter Secondary APS	10 Nos	Each	
5	Oil Filter APS	10 Nos	Each	
6	Hydraulic Filter APS	10 Nos	Each	
7	Fuel Injection Pump (APS)	1 No	Each	
8	Self Starter Complete (APS)	1 No	Each	
9	Alternator /Generator complete (APS)	1 No	Each	
10	Clutch Plate APS	2 Nos	Each	
11	Pressure Plate APS	2 Nos	Each	
12	Thrust Bearing Aps	2 Nos	Each	
13	Wheel Cylinder Rear/Front (APS)	4 Nos	P.Set	
14	Break Master Cylinder (APS)	8 Nos	Each	
15	Thrust Washer coller (APS)	2 Nos	Each	
16	Clutch Cylinder Complete(APS)	2 Nos	Each	
17	Wheel Bearing Front (APS)	4 Nos	Each	
18	Wheel Bearing Rear (APS)	8 Nos	Each	
19	Hyd: Jack Seal Complete Kit (APS)	2 Kits	P.Kit	
20	Hyd: Jack Seal (APS)	2 Nos	Each	
21	Shock Absorber Rear (APS)	4 Sets	P.Set	
22	Shock Absorber Front (APS)	4 Sets	P.Set	
23	Leaf Spring Suspension unit Complete (APS)	2 Nos	Each	
24	Piston (APS)	1 Set	P.Set	
25	Ring (APS)	6 Paket	P.Paket	
26	Sleave (APS)	1 Set	P.Set	
27	Valve Inlet (APS)	1 Set	P.Set	
28	Valve Exhaust Set (APS)	1 Set	P.Set	
29	Cam Shaft Bush Set (APS)	1 Set	P.Set	
30	Big end Bearing Set (APS)	1 Set	P.Set	
31	Gudgeon Pin Set (APS)	1 Set	P.Set	
32	Connecting Rod Bush Set (APS)	1 Set	P.Set	
33	Connecting Rod Nut Bolt (APS)	12 Nos	Each	
34	Engine over Hauling Gas Kit complete (APS)	1 Kit	P.Kit	
35	Fuel Injection pump complete (APS)	1 No	Each	
36	Fuel Line (APS)	6 Nos	Each	
37	Hyd" Pipe Both Side Adopter (APS)	2 Nos	Each	

SAPRE PARTS FOR TADANO MOUNTED CRANE
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	Quantity	UNIT	RATE
1	2		3	4
38	Main Bearing (APS)	1 Set	P.Set	
39	Oil Pump Complete (APS)	1 No	Each	
40	Relay Switch 12 Volts APS	8 Nos	Each	
41	Wire 8 mm (APS)	100 Rft	P.Rft	
42	Bulb 12 Volts assorted size (APS)	40 Nos	Each	
43	Rubber Channel Wind Screen(APS)	2 Nos	Each	
44	Wind Screen for Cabin (APS)	2 Nos	Each	
45	Head Light (Holder Grip)(APS)	10 Nos	Each	
46	Break Light (Grip Holder) APS	30 Nos	Each	
47	Lever APS	8 Nos	Each	
48	Valve Block Assembly (APS)	2 Nos	Each	
49	Reliever Valve Assembly (APS)	2 Nos	Each	
50	Pilot Check Valve Assembly (APS)	2 Nos	Each	
51	Valve Body (APS)	1 No	Each	
52	O-Ring off size (APS)	10 Nos	Each	
53	Oil Seal for Control Valve (APS)	4 Nos	Each	
54	Oil Seal for Reliever (APS)	4 Nos	Each	
55	Spool APS	8 Nos	Each	
56	Break for Control Valve (APS)	2 Nos	Each	
57	Spring for Control Valve (APS)	2 Nos	Each	
58	Ball Returner (APS)	1 No	Each	
59	Ball Case (APS)	1 No	Each	
60	Spring Holder (APS)	2 Nos	Each	
61	Spacer (APS)	2 Nos	Each	
62	Screw APS	10 Nos	Each	
63	Spool end(APS)	2 Nos	Each	
64	O-Ring APS	10 Nos	Each	
65	Plug APS	6 Nos	Each	
66	Nut for Winch (APS)	4 Nos	Each	
67	Bend for Winch(APS)	4 Nos	Each	
68	Spring for Winch (APS)	4 Nos	Each	
69	Valve for Winch (APS)	2 Nos	Each	
70	Link for Winch	2 Nos	Each	
71	Break Cylinder	6 Nos	Each	
72	Cylinder Tube	6 Nos	Each	
73	Piston for Winch	2 Nos	Each	
74	O-Ring for Winch	5 Nos	Each	

SAPRE PARTS FOR TADANO MOUNTED CRANE
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	Quantity	UNIT	RATE
1	2		3	4
75	Packing for Winch	2 Nos	Each	
76	Niddle for Winch	4 Nos	Each	
77	Bolt & spring washer supporter for spring	8 Nos	Each	
78	Sharing for Winch	2 Nos	Each	
79	Body for Check Valve	2 Nos	Each	
80	Spring (APS)	4 Nos	Each	
81	Ring (APS)	4 Nos	Each	
82	Valve Seal (APS)	4 Nos	Each	
83	Valve Assembly (APS)	4 Nos	Each	
84	Adjusting Screw APS	8 Nos	Each	
85	Copper Packing (APS)	4 Nos	Each	
86	Nut APS	8 Nos	Each	
87	Cup Nut APS	6 Nos	Each	
88	Bearing (Driving shaft)	8 Nos	Each	
89	Rubur Bushing APS (Driving shaft)	8 Nos	Each	
90	Bracket APS (Driving shaft)	5 Nos	Each	
91	Foundation (Engine) APS	4 Nos	Each	
92	Foundation (Gear Box) APS	8 Nos	Each	
93	Bearing (Fan pully)	10 Nos	Each	
	JOB WORK			
1	Complete Denting of Body	1 Job	P.Job	
2	Complete Painting of Body	1 Job	P.Job	
3	Complete Rep: of Self Starter	3 Jobs	P.Job	
4	Repairing of Alternator/Generator i.c replacement of defective parts etc	3 Jobs	P.Job	
5	Head repairing i.c seat cutting polishing & Guide Valve fitting	1 Job	P.Job	
6	Head repairing i.c seat cutting Head Checking welding, facing grinding & polishing etc.	1 Job	P.Job	
7	Engine block repairing i.c sleave fitting boring & polishing etc.	1 Job	P.Job	
8	Crane shaft turning (U/Size), i.c polishing	1 Job	P.Job	
9	Calibration of injection pump & servicing complete	2 Jobs	P.Job	
10	Repair of pulley, i.c fitting of pin, shaft & Bearing	4 Jobs	P.Job	
11	Repair of Radiator i.c replacement of worn out bottom/Top covers	1 Job	P.Job	

SAPRE PARTS FOR TADANO MOUNTED CRANE
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	Quantity	UNIT	RATE
1	2		3	4
12	Radiator service	4 Jobs	P.Job	
13	Water Body repairing complete	3 Jobs	P.Job	
14	Injector needle & nozzle service	2 Jobs	P.Job	
15	Rep: of Fan Pully by Boring & Bearing Fitting etc.	6 Job	P.Job	

Note: The Quantities may vary and the same will be acquired/ procured from the lowest approved contractor/ supplier as and when required on need basis through out the financial year 2017-18.

Executive Engineer,
Feeder Division Hyderabad

CONTRACTOR

GOVERNMENT OF SINDH



IRRIGATION DEPARTMENT

BIDDING DOCUMENTS

FOR

**PROCUREMENT OF GOODS & SERVICES FOR
REPAIR & MAINTENANCE OF
DUMPERS / LOADERS / DOZER.**

No: SKP/G-141/

of 201

Hyderabad Dated: -

- 201

EXECUTIVE ENGINEER
FEEDER DIVISION HYDERABAD.

SPARE PARTS FOR ISUZU DUMP TRUCK (FT-33-H)
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	Quantity	UNIT	RATE
1	2	3	4	5
1	Ring Set	24 Pakit	P.Pakit	
2	Main, Big & Bearing APS	8 Sets	P.Set	
3	Piston APS	24 Nos	Each	
4	Valve Inlet & Exhaust	4 Stes	P.Set	
5	Sleave APS	4 Sets	P.Set	
6	Vlave Guide	4 Sets	P.Set	
7	Head & Gas Kit	4 Kits	P.Kit	
8	Piston Pin Bush	4 Sets	P.Set	
9	Injector	24 Nos	Each	
10	Master Cylinder	8 Nos	Each	
11	Break Booster	8 Nos	Each	
12	Clutch Plate	8 Nos	Each	
13	Pressure Plate	5 Nos	Each	
14	TY Rod End	10 Nos	Each	
15	Oil Filter APS	30 Nos	Each	
16	Diesel Filter APS	15 Nos	Each	
17	Air Cleaner Filter APS	15 Nos	Each	
18	Main Leaf Rear	10 Nos	Each	
19	2nd Leaf Rear	10 Nos	Each	
20	3rd Leaf Rear	10 Nos	Each	
21	Main Leaf Front	10 Nos	Each	
22	2nd Leaf Front	10 Nos	Each	
23	3rd Leaf Front	10 Nos	Each	
24	Hub Oil Seal	10 Nos	Each	
25	Break Cylinder Washer	30 Nos	Each	
26	Master Cylinder Complete	5 Nos	Each	
27	U-Clip	40 Nos	Each	
28	Fan Belt	10 Nos	Each	
29	Engine Oil Seal Front	10 Nos	Each	
30	Timing Seal	10 Nos	Each	
31	Timing Belt	10 Nos	Each	
32	Tapit Packing	5 Nos	Each	
33	Water Body Complete	5 Nos	Each	
34	Break Shoe Front	10 Nos	P.Set	
35	Break Shoe Rear	10 Nos	P.Set	
36	Side Glass (Mirror)	20 Nos	Each	
37	Head Light	20 Nos	Each	

SPARE PARTS FOR ISUZU DUMP TRUCK (FT-33-H)
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	Quantity	UNIT	RATE
1	2	3	4	5
38	Indicator	40 Nos	Each	
39	Horn	5 Nos	Each	
40	Back Ligth	20 Nos	Each	
41	Crown Pinion Bearing	5 Nos	Each	
42	Starting Swtich With Key	10 Nos	Each	
43	Wheel Stud with Nut	100 Nos	Each	
44	Cam Shaft	5 Nos	Each	
45	Crank Shaft	5 Nos	Each	
46	Oil Pump Complete	5 Nos	Each	
47	Wheel Bearing (APS)	20 Nos	Each	
48	Generator	5 Nos	Each	
49	Hose Pipe	20 Nos	Each	
50	Master Cylinder Kit	5 Kit	P.Kit	
51	Engine Oil Seal Rear	10 Nos	Each	
52	Wheel Cylinder Complete	5 Nos	Each	
53	Kamani Bush	20 Nos	Each	
54	Kamani Pin	20 Nos	Each	
55	Kamani Bolt	20 Nos	Each	
56	Kamani Nut	20 Nos	Each	
57	Fan	20 Nos	Each	
58	Kamani Bracket	30 Nos	Each	
59	Door Lock	10 Nos	Each	
60	Exhaust Menue full (Right)	5 Nos	Each	
61	Exhaust Menue full (Left)	5 Nos	Each	
62	Injector Diesel Line	30 Nos	Each	
63	Shock Absorber Front	10 Nos	Each	
64	Shock Absorber Rear	10 Nos	Each	
65	Tappet Fluid	5 Nos	Each	
66	Cam Shaft Bush	5 Nos	Each	
67	Crank Shaft Bush	5 Nos	Each	
68	Cross	10 Nos	Each	
69	Hydraulic Pipe APS	10 Nos	Each	
70	Hydraulic Pump Kit Complete	10 Kit	P.Kit	
71	Hydraulic Kit Complete	10 Kit	P.Kit	
72	Driving shoft	5 Nos	Each	
73	Gear Box Hosing	5 Nos	Each	
74	First Gear	5 Nos	Each	

SPARE PARTS FOR ISUZU DUMP TRUCK (FT-33-H)
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	Quantity	UNIT	RATE
1	2	3	4	5
75	2nd Gear	5 Nos	Each	
76	3rd Gear	5 Nos	Each	
77	4th Gear	5 Nos	Each	
78	Gear Box Shoft	5 Nos	Each	
79	Reverse Gear	5 Nos	Each	
80	Self Ignition	10 Nos	Each	
81	Wheel Drum	15 Nos	Each	
82	Rim	10 Nos	Each	
83	Radiator Core	5 Nos	Each	
84	Injector Needle Nozzle	24 Nols	Each	
85	Wheel Excel	10 Nos	Each	
86	Hub	20 Nos	Each	
JOB WORK				
1	Engine Block rep: i/c sleeve fitting, boring and polishing	4 Jobs	P.Job	
2	Rep: of Head i/c seat cutting polishing and Guide valve	4 Jobs	P.Job	
3	Crank Shaft Turning(U/Size) i/c polishing etc	4 Jobs	P.Job	
4	Rep: of Head i/c seat cutting, Head testing, welding, facing & polishing etc	4 Jobs	P.Job	
5	Rep: of alternator/Generator i/c replacement of defective	8 Jobs	P.Job	
6	Calibration of injector pump and servicing complete	8 Jobs	P.Job	
7	repairing of radiator i/c replacement bottom/top covers	5 Jobs	P.Job	
8	Radiator service complete	10 Jobs	P.Job	
9	Water Body Complete repairing	10 Jobs	P.Job	
10	Drum Turning and prov: Break lether with revits	20 Jobs	P.Job	
11	Injector Needle & Nozzle servicing	10 Jobs	P.Job	
12	Reparing Cylinder & Fitting Complete	10 Jobs	P.Job	
13	Repairing of Door along with lock	10 Jobs	P.Job	
14	Rep: of Master Cylinder Complete	5 Jobs	P.Job	
15	Rep: of Clutch Cylinder complete	5 Jobs	P.Job	
16	Rep: of Hub, i/c turning Facing and fitting Cone Bearing	10 Jobs	P.Job	
17	Denting Cabine	4 Jobs	P.Job	
18	Painting Cabine	4 Jobs	P.Job	
19	Denting & Painting of mudguard	4 Jobs	P.Job	
20	Denting & Painting of Back Trally (Daala)	4 Jobs	P.Job	
21	Rep: of seat with complete cussion	5 Jobs	P.Job	
22	Wheel alignment and balancing	10 Jobs	P.Job	
23	Rep: of Driving shoft, prov: parts with fitting	5 Jobs	P.Job	
24	Rep: of stearing Box prov: parts with fitting	5 Jobs	P.Job	

ISUZU DUMP TRUCK (FT-33-H)
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	Quantity	UNIT	RATE
1	2	3	4	5
25	Rep: of Excel prov: parts with fitting	5 Jobs	P.Job	
26	Rep: of self prov: Bross Bush new Mfg: fitting prov: Carbon Bush fitting	10 Jobs	P.Job	
27	Re-Conditioning & tensioning of Rod spring i/c shackal, Bushes, Pins etc complete	5 Jobs	P.Job	
28	Wiring complete	5 Jobs	P.Job	
29	Rep: of Clutch plate, prov: feroda	5 Jobs	P.Job	

Note:- The Quantities may vary and the same will be acquired/ procured from the lowest approved contractor/ supplier as and when required on need basis through out the financial year 2017-18

Executive Engineer
Feeder Division Hyderabad.

CONTRACTOR

SPARE PARTS FOP LIUGONG WHEEL LOADER (842)
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	Quantity	UNIT	RATE
1	2	3	4	5
1	Sleave APS	6 Nos	Each	
2	Seal for Sleave APS	6 Sets	P.Set	
3	Piston APS	6 Nos	Each	
4	Main Bearing APS	1 Set	P.Set	
5	Bing End Bearing APS	1 Set	P.Set	
6	Seal for Main Bearing APS	1 No	Each	
7	Ring Set	6 Packet	P.Packet	
8	Air Filter Assembly	4 Nos	Each	
9	Muffler Assembly	1 No	Each	
10	Water Cooler	1 No	Each	
11	Oil Cooler	1 No	Each	
12	Right Exle	2 Nos	Each	
13	Axle housing	2 Nos	Each	
14	Needle Roller	2 Nos	Each	
15	Brake Disk 02 No	4 Nos	P.Set	
16	Left Exle Shaft	2 Nos	Each	
17	Rear Exle Main transmission	2 Nos	Each	
18	Left Half Shaft	2 Nos	Each	
19	Gear Pump	1 No	Each	
20	Ball Bearing fitting Key	1 No	Each	
21	Ball Bearing Washer	1 No	Each	
22	Needle Sleeve	2 Nos	Each	
23	Disc Carrier	2 Nos	Each	
24	Clutch Disc APS	2 Nos	Each	
25	Lift Cylinder Lines APS	1 No	Each	
26	Lift Cylinder Assembly APS	1 No	Each	
27	Gas Kit, Case	1 Kit	Each	
28	O-Ring APS	6 Nos	Each	
29	Washer Spring Aps	6 Nos	Each	
30	Bearing Roller APS	4 Nos	Each	
31	Valve Exhaust	1 Set	P.Set	
32	Valve Inlet	1 Set	P.Set	
33	Turbo Charger	1 No	Each	
34	Injector	8 Nos	Each	
35	Seal for Injector	8 Nos	Each	
36	Bush for Cam Shaft	6 Nos	Each	
37	Water Body	1 No	Each	
38	Dumper Oil Seal APS	2 Nos	Each	
39	Seal for Cam Shaft	2 Nos	Each	
40	Fan for Convator	3 Nos	Each	
41	Inner Bearing Track Assy: APS	2 Nos	Each	
42	Core for Oil Cooler	2 Nos	Each	
43	Linning for Stairing Drum	6 Nos	Each	
44	Stairing Drum Seal Kit	2 Kits	P.kit	
45	Booster Seal Kit	2 Kits	P.kit	
46	Exhaust Manifold and muffler complete	2 Nos	Each	
47	Gear Pump Drive	1 No	Each	

SPARE PARTS FOP LIUGONG WHEEL LOADER (842)
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	Quantity	UNIT	RATE
1	2	3	4	5
48	Housing For Cylinder Block	1 No	Each	
49	Shaft Pump Drive	1 No	Each	
50	Hydraulic Pump APS	1 No	Each	
51	Hyd: Filter	4 Nos	Each	
52	Blade Lift and title contorl valve Assy:	2 Nos	Each	
53	Blade Lift Cylinder APS	2 Nos	Each	
54	Hydraulic Pipe APS	8 Nos	Each	
55	Blade Control Lever, APS	2 Nos	Each	
56	Ripper Control Level Aps	2 Nos	Each	
57	Lift & Ripper Control linkage APS	1 No	Each	
58	Title control linkage APS	1 No	Each	
59	Blade ctonl Linkage APS	1 No	Each	
60	Blade Sem-U dozer Aps	1 No	Each	
61	Cutting Edge APS	2 Nos	Each	
62	Blade title Assymbly APS	1 No	Each	
63	Ripoper Pipe Hose APS	6 Nos	Each	
64	Lift Cylinder Assymbly L.H	1 No	Each	
65	Lift Cylinder Assymbly R.H	1 No	Each	
66	Seal for Final Drive	2 Nos	Each	
67	Track Chain Cylinder Seal Kit	2 Kits	P.kit	
68	Seal for Idler Wheel	4 Nos	Each	
69	Fan Belt APS	6 Nos	Each	
70	Fan Belt for Generator	6 Nos	Each	
71	Water Guage	2 Nos	Each	
72	Temperature Guage	2 Nos	Each	
73	Oil Guage	2 Nos	Each	
74	Hyd: Filter 9M-9740	4 Nos	Each	
75	Oil Filter LF-670	6 Nos	Each	
76	Oil Filter LF-777	6 Nos	Each	
77	Fuel Filter FF-232	6 Nos	Each	
78	Water Filter WF-2051	4 Nos	Each	
79	Air Cleaner Filter Outer 600-81-4400	4 Nos	Each	
80	Air Cleaner Filter Inner 6127-81-7412	4 Nos	Each	
81	Hose Pipe 07102-20440	8 Nos	Each	
82	Hose Pipe 07102-20412	8 Nos	Each	
83	Hyd: Pipe for Clutch	8 Nos	Each	
84	Hyd: Pipe Gas Box	8 Nos	Each	
85	Hyd: Pipe APS	8 Nos	Each	
86	Hyd: Pipe for Angle Jack	8 Nos	Each	
87	Timing Oil Seal Rear	2 Nos	Each	
88	Timing Oil Seal Front	2 Nos	Each	
89	Sprocket Teeth APS	8 Nos	Each	
90	Blade Edge APS	2 Nos	Each	
91	Hose Pipe for Turbo charges	8 Nos	Each	
92	Hose Pipefor water body APS	8 Nos	Each	
93	Bushing 07177-07015	4 Nos	Each	
94	Seal 07016-00708	4 Nos	Each	

LIUGONG WHEEL LOADER (842)

SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	Quantity	UNIT	RATE
1	2	3	4	5
95	Angle Jack Seal Kit	2 Kits	P.Kit	
96	Ring 0719-0093	4 Nos	Each	
97	Grease Nipple APS	2 Nos	Each	
98	Ring 07000-03090	4 Nos	Each	
99	Radiator Core	1 No	Each	
100	Break Bend Assy: 154-33-011101	4 Nos	Each	
101	Universal Joined Assy: 154-20-0100	4 Nos	Each	
102	Bearing for Hydraulic pump APS	4 Nos	Each	
103	Sealed Beam 24V	4 Nos	Each	
104	Gear Box control Valve	2 Nos	Each	
105	Ring Seal 154-15-22811	4 Nos	Each	
106	Ring Seal 154-15-228	4 Nos	Each	
107	Ring Seal 154-15-22821	4 Nos	Each	
108	Sapacer 195-15-11240	4 Nos	Each	
109	Disk 154-15-12715	2 Nos	Each	
110	Plate 281-15-43390	2 Nos	Each	
JOB WORK				
1	Rep: of Self Starter i.c New Parts Fitting	2 Jobs	P.Job	
2	Rep: of Water Pump Assy I,c New Parts Fitting	2 Jobs	P.Job	
3	Rear Exle Line & Fitting	2 Jobs	P.Job	
4	Rep: of Fuel Pump Assy i.c New Parts Fitting	2 Jobs	P.Job	
5	Servicing & Calibration of Fuel Pump	2 Jobs	P.Job	
6	Servicing & Maintenance of Radiator Assy:	2 Jobs	P.Job	
7	Rep: & Ser: of Radiator Assy: Prov: Top & Bottom Plates i.c Welding & Testing	1 Job	P.Job	
8	Rep: of Hyd: Pump	2 Jobs	P.Job	
9	Head Griding & Polishing & Testing	1 Job	P.Job	
10	Valve Gudie Removing & facing New Valve Guide Fitting	1 Job	P.Job	
11	Seal Manufacturing & fitting	1 Job	P.Job	
12	Seal Grinding Polising	1 Job	P.Job	
13	Connecting Rod Gudgen Pin Busing Fitting, Removing & Polishing	1 Job	P.Job	
14	Crank Griding Polishing as per size	1 Job	P.Job	
15	Repair of Blades edge	2 Jobs	P.Job	
16	Cam Shaft Bush Fitting	1 Job	P.Job	

Note:- The Quantities may vary and the same will be acquired/ procured from the lowest approved contractor/ supplier as and when required on need basis through out the financial year 2017-18

Executive Engineer
Feeder Division Hyderabad.

CONTRACTOR

SPARE PARTS FOR SHANTUI DOZER (TY-2208)
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2	3	4	5
1	Sleeve APS	6 Nos	Each	
2	Piston APS	6 Nos	Each	
3	Main Bearing APS	1 Set	P.Set	
4	Bing End Bearing APS	1 Set	P.Set	
5	Ring Set Complete	6 Packet	P.Packet	
6	Bolt Front	1 Set	P.Set	
7	Wire Lock	1 Set	P.Set	
8	Washer	1 Set	P.Set	
9	Spacer	1 Set	P.Set	
10	Shim Assy: Front	1 Set	P.Set	
11	Shim Assy: Back	1 Set	P.Set	
12	Power take off Assembly	2 Nos	Each	
13	Case Power Take off	2 Nos	Each	
14	Gasket, case	2 Nos	Each	
15	O-Ring APS	4 Nos	Each	
16	Washer Spring APS	6 Nos	Each	
17	Bearing Roller APS	4 Nos	Each	
18	Head Gas kit complete APS	1 Kit	P.Kit	
19	Valve Exhuast	1 Set	P.Set	
20	Valve Inlet	1 Set	P.Set	
21	Turbo Chgarger	1 No	Each	
22	Injector	6 Nos	Each	
23	Water Body	1 No	Each	
24	Seal for Cam Shaft	4 Nos	Each	
25	Bush for Came Shaft	6 Nos	Each	
26	Lining for stairing Drum	4 Nos	Each	
27	Stairing Drum Seal Kit	1 Kit	P.Kit	
28	Booster Seal Kit	1 Kit	P.Kit	
29	Exhaust Mainfoild & Muffler complete	1 No	Each	
30	Fly Wheel Hosing Assembly	2 Nos	Each	
31	Gear Pump Drive	1 No	Each	
32	Fly Wheel Hosing	2 Nos	Each	
33	Hosing for Cylinder Block	1 No	Each	
34	Shaft for Pump Drive	2 Nos	Each	
35	Hydraulic Filter	4 Nos	Each	
36	Blade Lift and Tilt Control Valve Assy:	2 Nos	Each	
37	Blade lift Cylinder APS	2 Nos	Each	

SPARE PARTS FOR SHANTUI DOZER (TY-2208)
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2	3	4	5
38	Hydraulic Pipe APS	8 Nos	Each	
39	Sarvo Valve Pipe APS	4 Nos	Each	
40	Blade Control Lever APS	2 Nos	Each	
41	Ripper Control Level APS	2 Nos	Each	
42	Tilt Control Linkage	2 Nos	Each	
43	Blade Control Linkage APS	2 Nos	Each	
44	Cutting Edge	2 Nos	Each	
45	Rippere Pipe Hose APS	8 Nos	Each	
46	Lift Cylinder Assy: L.H	2 Nos	Each	
47	Lift Cylinder Assy R.H	2 Nos	Each	
48	Seal for Final Drive	4 Nos	Each	
49	Track Chain Cylinder Seal kit	4 Kit	P.kit	
50	Seal for Idler wheel	4 Nos	Each	
51	Fan Belt APS	4 Nos	Each	
52	Water Gauge	2 Nos	Each	
53	Temprature Gauge	2 Nos	Each	
54	Oil gauge	2 Nos	Each	
55	Oil filter	8 Nos	Each	
56	Oil Filter	8 Nos	Each	
57	Fuel Filter	8 Nos	Each	
58	Water Filter	8 Nos	Each	
59	Air Cleaner filter outer	4 Nos	Each	
60	Air Cleaner filter inner	4 Nos	Each	
61	Hose Pipe-	8 Nos	Each	
62	Hydraulic Pipe for Clutch	8 Nos	Each	
63	Hydraulic Pipe Gear Box	8 Nos	Each	
64	hydraulic Pipe APS	8 Nos	Each	
65	Hydraulic pipe for angle jack	8 Nos	Each	
66	Timing oil seal rear	2 Nos	Each	
67	Timing oil seal front	2 Nos	Each	
68	Sprocket Teeth APS	20 Nos	Each	
69	Blade Edge APS	2 Nos	Each	
70	Carrier Roller Track chain	8 Nos	Each	
71	Track Roller single flange	2 Nos	Each	
72	Track Roller Double Flange	2 Nos	Each	
73	Seal for Track Roller	4 Nos	Each	
74	Angle jack seal kit	4 Kits	P.kit	

SPARE PARTS FOR SHANTUI DOZER (TY-2208)
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2	3	4	5
75	Blade Jack seal kit	4 Kits	P.kit	
76	Grease nipple APS	4 Nos	Each	
77	Nut & Bolt for Idler Wheel APS	16 Nos	Each	
78	Nut & Bolt for Roller Track chain	16 Nos	Each	
79	Hose Pipe for Turbo Charger	4 Nos	Each	
80	HosePipe for water Body APS	4 Nos	Each	
81	Lining Break	8 Nos	Each	
82	Track Chain Link Left	8 Nos	Each	
83	Track Chain Link Right	8 Nos	Each	
84	Track Chain Bush	16 Nos	Each	
85	Track chain Pin	8 Nos	Each	
86	Track Chain Nut	32 Nos	Each	
87	Track Chain Bolt	32 Nos	Each	
88	Bushing- 07177-07015	1 No	Each	
89	Seal	4 Nos	Each	
90	Ring -0719-0093	2 Nos	Each	
91	Ring -07000-03090	2 Nos	Each	
92	Break Beand Assy:	4 Nos	Each	
93	Bearing for Hydraulic Pump	4 Nos	Each	
94	Gear Box control valve	2 Nos	Each	
95	Ring Seal APS	2 Nos	Each	
96	Spacer	4 Nos	Each	
97	Disk	1 No	Each	
98	Plate	1 No	Each	
	<u>JOB WORK</u>			
1	Rep: of self Starter i.c new parts fitting	2 Jobs	P.Job	
2	Rep: of water Pump Assy: i.c new parts fitting	2 Jobs	P.Job	
3	Rep: of Fuel Pump Assy: I.c new parrts	2 Jobs	P.Job	
4	Servicing & Calibration of Fuel Pump	2 Jobs	P.Job	
5	Rep: & Servicing of Radiator	3 Jobs	P.Job	
6	Rep: of Radiator & Replacement of Top & Bottom	1 Job	P.Job	
7	Rep: of Hydraulic Pump	1 Job	P.Job	
8	Rep: of Block boring & Turning	1 Job	P.Job	
9	Head Grinding, Facing & Polishing	1 Job	P.Job	
10	Removing of Valve Guide & new fitting	1 Job	P.Job	
11	Connecting Rod Bush fitting	1 Job	P.Job	

SHANTUI DOZER (TY-2208)
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2	3	4	5
12	Crane Shoft Grinding & Polishing	1 Job	P.Job	
13	Rep: of Blade Edge	2 Jobs	P.Job	
14	Cam Shoft Bushing	1 Job	P.Job	
15	Electric wiring complete	1 Job	P.Job	

Note:- The Quantities may vary and the same will be acquired/ procured from the lowest approved contractor/ supplier as and when required on need basis through out the financial year 2017-18

Executive Engineer
Feeder Division Hyderabad.

CONTRACTOR

SPARE PARTS FOR KOMATSU (D-80) DOZER
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2		3	4
1	Sleeve (APS)	6 Nos	Each	
2	Seal for Sleeve (APS)	1 set	P.Set	
3	Piston STD, 0.25, 0.50, 0.75 (APS)	6 Nos	Each	
4	Piston Lock (APS)	1 Set	P.Set	
5	Main Bearing STD,0.25, 0.50, 0.75 (APS)	4 Nos	Each	
6	Bing End Bearing STD,0.25, 0.50, 0.75 (APS)	6 Nos	Each	
7	Seal (APS)	2 No	Each	
8	Ring Set (APS)	6 Pkt	P.Pkt	
9	Head (APS)	1 No	Each	
10	Head Gas Kit Complete (APS)	1 kit	P.kit	
11	Volve Exhaust (APS)	12 Nos	Each	
12	Volve Inlet (APS)	12 Nos	Each	
13	Turbo Charger (APS)	1 No	Each	
14	Injector complete (APS)	6 Nos	Each	
15	Seal For Injector (APS)	1 set	P.Set	
16	Gudjan Pin (APS)	1 Set	P.Set	
17	Volve Guide (APS)	1 set	P.Set	
18	Connecting Rod Bush (APS)	1 Set	P.Set	
19	Push Rod (APS)	2 Nos	Each	
20	Spring Volve Inlet (APS)	12 Nos	Each	
21	Spring Volve Exhaust (APS)	12 Nos	Each	
22	Volve Cachar Lock (APS)	48 Nos	Each	
23	Generator complete (APS)	1 No	Each	
24	Self complete (APS)	1 No	Each	
25	RockerAssy: (APS)	2 Nos	Each	
26	Cam Shaft complete (APS)	1 No	Each	
27	Oil Pump Gear (APS)	1 No	Each	
28	Bush (Cam Shaft) (APS)	6 Nos	Each	
29	Turbo Charger Kit (APS)	6 Kits	P.Kit	
30	Nozzle (injector) (APS)	6 Nos	Each	
31	Bendix complete (APS)	6 Nos	Each	
32	Main Oil Seal (Engine Rear) (APS)	4 Nos	Each	
33	Main Oil Seal (Engine Front) (APS)	4 Nos	Each	
34	Thirst Coller (Crank) (APS)	4 Set	P.Set	
35	Fuel Line (F.I.P) (APS)	6 Nos	Each	
36	Pulinger (F.I.P) (APS)	4 Set	P.Set	
37	Dumper Pully complete (APS)	2 No	Each	

SPARE PARTS FOR KOMATSU (D-80) DOZER
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2		3	4
38	Bush (t.Chain) (APS)	2 Nos	Each	
39	Linning (Staring Drum) (APS)	2 Nos	Each	
40	Stairing Drum Seal Kit (APS)	4 kit	P.kit	
41	Booster Seal Kit (APS)	4 kit	P.kit	
42	Seal (Final Drive) (APS)	4 kit	P.kit	
43	Seal Kit (T.Chain Cylinder) (APS)	4 Kit	P.kit	
44	Seal (Idler Wheel) (APS)	4 Nos	Each	
45	Fan Belt (APS)	8 set	P.Set	
46	Fan Belt (Generator) (APS)	6 set	P.Set	
47	Water Temperature Guage (APS)	5 No	Each	
48	Temperature Guage (APS)	2 No	Each	
49	Oil Pressure Guage (APS)	2 No	Each	
50	Hyd: Filter (APS)	6 Nos	Each	
51	Oil Filter LF- 670	12 Nos	Each	
52	Oil Filter LF- 750	12 Nos	Each	
53	Fuel Filter (APS)	8 Nos	Each	
54	Water Filter (APS)	4 No	Each	
55	Air cleaner filter Outer (APS)	4 No	Each	
56	Air cleaner filter inner (APS)	4 No	Each	
57	Tramsmission Pump (APS)	1 No	Each	
58	Sprocket Teeth (APS)	20 Nos	Each	
59	Carrage Edge (APS)	20 Nos	Each	
60	Rotery Pump (APS)	3 Nos	Each	
61	Trck Chain Adjustment seal Kit (APS)	5 Kit	P.Kit	
62	Adopter Grease for nTrack Chain Assy: (APS)	5 Nos	Each	
63	Bottom Kit (APS)	5 Nos	Each	
64	Grease Bucket (APS)	5 Nos	Each	
65	Retainer Lock (APS)	5 Set	P.Set	
66	Filter for Transmission (APS)	5 Nos	Each	
67	Seal for Tor convertor (APS)	4 Nos	Each	
68	Nut (Sproket) (APS)	20 Nos	Each	
69	Bolt (Sproket) (APS)	20 Nos	Each	
70	Hose Pipe 07102-20410	6 Nos	Each	
71	Hose Pipe 07102-20412	6 Nos	Each	
72	Seal for Track Roller (APS)	8 Nos	Each	
73	seal kit (Angle Jack) (APS)	8 Nos	Each	
74	seal Kit (Jack) (APS)	8 Nos	Each	

SPARE PARTS FOR KOMATSU (D-80) DOZER
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2		3	4
75	Nut & Bolt for Idler Wheel (APS)	10 Nos	Each	
76	Bolt for Track Chain (APS)	10 Nos	Each	
77	Hose Pipe for Turbo Charger (APS)	5 Nos	Each	
78	Hose Pipe for water body (APS)	5 Nos	Each	
79	Lining Break (APS)	4 Nos	Each	
80	Bushing (APS)	10 Nos	Each	
81	Water pump Body (APS)	8 Nos	Each	
82	Washer (APS)	8 Nos	Each	
83	Water pump Group (APS)	8 Nos	Each	
84	Seal (APS)	10 Nos	Each	
85	Pully (APS)	10 Nos	Each	
86	Shaft (APS)	5 Nos	Each	
87	Bearing (APS)	5 Nos	Each	
88	Spacer (APS)	4 Nos	Each	
89	Water pump Implor (APS)	10 Nos	Each	
90	Break Band Assy: (APS)	2 Nos	Each	
91	Universal Joint Assy: (APS)	2 Nos	Each	
92	Bearing (Hyd: Pump) (APS)	2 Nos	Each	
93	Seal Ring (APS)	2 Nos	Each	
94	Spacer (APS)	2 Nos	Each	
95	Disk (APS)	2 Nos	Each	
96	Plate (APS)	2 Nos	Each	
97	Hose Pipe (APS)	8 No	Each	
98	Hose Pipe (APS)	8 No	Each	
99	Hyd: Hose Pipe Clutch (APS)	8 Nos	Each	
100	Cross Seal for Clutch (APS)	1 No	Each	
101	Fly Wheel Ring (APS)	1 No	Each	
102	Hyd: Pipe (Gear Box) (APS)	8 Nos	Each	
103	Hyd: Pipe (APS)	6 Nos	Each	
104	Hyd: Pipe For Angle Jack (APS)	8 Nos	Each	
105	Timing Oil Seal (APS)	4 Nos	Each	
106	Hose 154-60-21422	1 No	Each	
107	Edge (Blade) (APS)	1 set	P.Set	
108	Carrier Roller (APS)	4 Nos	Each	
109	Track Roller Single Flange (APS)	6 Nos	Each	
110	Track Roller Double Flange (APS)	6 Nos	Each	
111	Bush (Track Chain) (APS)	76 Nos	Each	

SPARE PARTS FOR KOMATSU (D-80) DOZER
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2		3	4
112	Pin (Track Chain) (APS)	76 Nos	Each	
113	Bolt (Track Chain) (APS)	304 Nos	Each	
114	Nut (Track Chain) (APS)	304 Nos	Each	
115	Seal for Track Roller Assy: (APS)	4 Nos	Each	
116	Grease Nipple (APS)	36 Nos	P.kit	
117	Bolt for Roller Track Chain (APS)	64 Nos	Each	
118	Hose Pipe for Water Body (APS)	4 No	Each	
119	Pump Assy: (Steering) (APS)	1 No	Each	
120	Gear Pump (APS)	1 No	Each	
121	Link Left (Track Chain) (APS)	76 Nos	Each	
122	Link Righth (Track Chain) (APS)	76 Nos	Each	
123	Tube Suction (APS)	1 No	Each	
124	Tube Discharge (APS)	1 No	Each	
125	Universal Joint Assy: (APS)	1 No	Each	
126	Bearing Assy: Center (APS)	1 No	Each	
127	Bearing Assy: Rear (APS)	1 No	Each	
128	Seal 8S- 7928	1 No	Each	
129	Seal 1M- 6036	1 No	Each	
130	Linning (APS)	1 No	Each	
131	Gear 0227	1 No	Each	
132	Bend Assy: (APS)	1 No	Each	
133	Flange (APS)	1 No	Each	
134	Seal 4M- 7480	1 No	Each	
135	Sealed Beam 24 Volt (APS)	3 Nos	Each	
136	Seal 07155-12000	4 Nos	Each	
137	Seal 070016-00770	4 Nos	Each	
138	Seal 707-42-1200	4 Nos	Each	
139	Clutch Plate Inner (APS)	2 Nos	Each	
140	Clutch Plate Outer (APS)	2 Nos	Each	
141	Bearing for Hyd: Pump (APS)	4 No	Each	
142	Control Valve (Gear Box) (APS)	2 No	Each	
143	Bearing (APS)	4 No	Each	
144	Seal (APS)	1 No	Each	
145	Bearing (APS)	1 No	Each	
146	Bearing (APS)	1 No	Each	
147	Switch (Starting) (APS)	1 No	Each	
148	Water Pump Kit	4 Kit	P.Kit	

SPARE PARTS FOR KOMATSU (D-80) DOZER
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2		3	4
149	Cut-Out 24 Volt	8 Nos	Each	
JOB WORK				
1	Head facing checking & polishing by prov: volve Guide fitting etc.	2 Job	P.Job	
2	Crank Rep: by turning	1 Job	P.Job	
3	Rep: of Head Facing & Prov: cutting, Polishing & Guide fitting, volve seat polishing etc.	4 Job	P.Job	
4	Rep: of Fuel Injection Pump, Plunger polishing by rematelling & calibrartionetc.	4 Job	P.Job	
5	Rep: of Radiator by Solding Cleaning Washing etc.	4 Job	P.Job	
6	Rep: of Self Starter i.e new parts fitting	2 Job	P.Job	
7	Rep: Generator Assy: i.e new parts fitting	2 Job	P.Job	
8	Rep: water pump Assy: i.e new parts fitting	4 Job	P.Job	
9	Rep: Fuel pump Assy: i.e new parts fitting	4 Job	P.Job	
10	Rep: & Servicing of Radiator Assy:	3 Job	P.Job	
11	Rep: of Radiator by new top fitting washing & Cleaning etc.	2 Job	P.Job	
12	Rep: of Fuel Injection Pump, Servicing of Plunger, Calibration etc.	4 Job	P.Job.	
13	Rep: of Oil Cooler	4 Job	P.Job	
14	Rep: of Hydraulic Pump with parts fitting etc	2 Job	P.Job	
15	Rep: of Sprocket Wheel by welding drilling etc.	4 Job	P.Job	
16	Rep: of Track Roller S/C	8 Job	P.Job	
17	Electric Wiring complete	1 Job	P.Job	

Note: The Quantities may vary and the same will be acquired/ procured from the lowest approved contractor/ supplier as and when required on need basis through out the financial year 2017-18

Executive Enigneer,
Feeder Division
Hyderabad

Contractor

SPARE PARTS FOR CHINA DOZER
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2		3	4
1	Sleeve (APS)	6 Nos	Each	
2	Seal for Sleeve (APS)	1 set	P.Set	
3	Piston STD, 0.25, 0.50, 0.75 (APS)	6 Nos	Each	
4	Piston Lock (APS)	1 Set	P.Set	
5	Main Bearing STD,0.25, 0.50, 0.75 (APS)	4 Nos	Each	
6	Bing End Bearing STD,0.25, 0.50, 0.75 (APS)	6 Nos	Each	
7	Seal (APS)	2 No	Each	
8	Ring Set (APS)	6 Pkt	P.Pkt	
9	Head (APS)	1 No	Each	
10	Head Gas Kit Complete (APS)	1 kit	P.kit	
11	Volve Exhaust (APS)	12 Nos	Each	
12	Volve Inlet (APS)	12 Nos	Each	
13	Turbo Charger (APS)	1 No	Each	
14	Injector complete (APS)	6 Nos	Each	
15	Seal For Injector (APS)	1 set	P.Set	
16	Gudjan Pin (APS)	1 Set	P.Set	
17	Volve Guide (APS)	1 set	P.Set	
18	Connecting Rod Bush (APS)	1 Set	P.Set	
19	Push Rod (APS)	2 Nos	Each	
20	Spring Volve Inlet (APS)	12 Nos	Each	
21	Spring Volve Exhaust (APS)	12 Nos	Each	
22	Volve Cachar Lock (APS)	48 Nos	Each	
23	Generator complete (APS)	1 No	Each	
24	Main Oil Seal (Engine Rear) (APS)	4 Nos	Each	
25	Main Oil Seal (Engine Front) (APS)	4 Nos	Each	
26	Thirst Coller (Crank) (APS)	4 Set	P.Set	
27	Fuel Line (F.I.P) (APS)	6 Nos	Each	
28	Pulinger (F.I.P) (APS)	4 Set	P.Set	
29	Dumper Pully complete (APS)	2 No	Each	
30	Self complete (APS)	1 No	Each	
31	RockerAssy: (APS)	2 Nos	Each	
32	Cam Shaft complete (APS)	1 No	Each	
33	Oil Pump Gear (APS)	1 No	Each	
34	Bush (Cam Shaft) (APS)	6 Nos	Each	
35	Turbo Charger Kit (APS)	6 Kits	P.Kit	
36	Nozzle (injector) (APS)	6 Nos	Each	
37	Bendix complete (APS)	6 Nos	Each	

SPARE PARTS FOR CHINA DOZER
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2		3	4
38	Seal Kit (T.Chain Cylinder) (APS)	4 Kit	P.kit	
39	Seal (Idler Wheel) (APS)	4 Nos	Each	
40	Fan Belt (APS)	8 set	P.Set	
41	Fan Belt (Generator) (APS)	6 set	P.Set	
42	Water Temprature Guage (APS)	5 No	Each	
43	Temperature Guage (APS)	2 No	Each	
44	Bush (t.Chain) (APS)	2 Nos	Each	
45	Linning (Staring Drum) (APS)	2 Nos	Each	
46	Stairing Drum Seal Kit (APS)	4 kit	P.kit	
47	Booster Seal Kit (APS)	4 kit	P.kit	
48	Seal (Final Drive) (APS)	4 kit	P.kit	
49	Oil Pressure Guage (APS)	2 No	Each	
50	Hyd: Filter (APS)	6 Nos	Each	
51	Oil Filter LF- 670	12 Nos	Each	
52	Oil Filter LF- 750	12 Nos	Each	
53	Fuel Filter (APS)	8 Nos	Each	
54	Water Filter (APS)	4 No	Each	
55	Air cleaner filter Outer (APS)	4 No	Each	
56	Air cleaner filter inner (APS)	4 No	Each	
57	Tramsmission Pump (APS)	1 No	Each	
58	Sprocket Teeth (APS)	20 Nos	Each	
59	Carrage Edge (APS)	20 Nos	Each	
60	Rotery Pump (APS)	3 Nos	Each	
61	Trck Chain Adjustment seal Kit (APS)	5 Kit	P.Kit	
62	Adopter Grease for nTrack Chain Assy: (APS)	5 Nos	Each	
63	Seal for Track Roller (APS)	8 Nos	Each	
64	seal kit (Angle Jack) (APS)	8 Nos	Each	
65	seal Kit (Jack) (APS)	8 Nos	Each	
66	Nut & Bolt for Idler Wheel (APS)	10 Nos	Each	
67	Bolt for Track Chain (APS)	10 Nos	Each	
68	Hose Pipe for Turbo Charger (APS)	5 Nos	Each	
69	Bottom Kit (APS)	5 Nos	Each	
70	Grease Bucket (APS)	5 Nos	Each	
71	Retainer Lock (APS)	5 Set	P.Set	
72	Filter for Transmission (APS)	5 Nos	Each	
73	Seal for Tor conventor (APS)	4 Nos	Each	
74	Nut (Sproket) (APS)	20 Nos	Each	

SPARE PARTS FOR CHINA DOZER
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2		3	4
75	Bolt (Sproket) (APS)	20 Nos	Each	
76	Hose Pipe 07102-20410	6 Nos	Each	
77	Hose Pipe 07102-20412	6 Nos	Each	
78	Hose Pipe for water body (APS)	5 Nos	Each	
79	Lining Break (APS)	4 Nos	Each	
80	Bushing (APS)	10 Nos	Each	
81	Water pump Body (APS)	8 Nos	Each	
82	Washer (APS)	8 Nos	Each	
83	Water pump Group (APS)	8 Nos	Each	
84	Seal (APS)	10 Nos	Each	
85	Pully (APS)	10 Nos	Each	
86	Shaft (APS)	5 Nos	Each	
87	Bearing (APS)	5 Nos	Each	
88	Spacer (APS)	4 Nos	Each	
89	Water pump Implor (APS)	10 Nos	Each	
90	Break Band Assy: (APS)	2 Nos	Each	
91	Universal Joint Assy: (APS)	2 Nos	Each	
92	Bearing (Hyd: Pump) (APS)	2 Nos	Each	
93	Seal Ring (APS)	2 Nos	Each	
94	Spacer (APS)	2 Nos	Each	
95	Disk (APS)	2 Nos	Each	
96	Plate (APS)	2 Nos	Each	
97	Hose Pipe (APS)	8 No	Each	
98	Hose Pipe (APS)	8 No	Each	
99	Bush (Track Chain) (APS)	76 Nos	Each	
100	Pin (Track Chain) (APS)	76 Nos	Each	
101	Bolt (Track Chain) (APS)	304 Nos	Each	
102	Nut (Track Chain) (APS)	304 Nos	Each	
103	Link Left (Track Chain) (APS)	76 Nos	Each	
104	Link Righth (Track Chain) (APS)	76 Nos	Each	
105	Hyd: Hose Pipe Clutch (APS)	8 Nos	Each	
106	Cross Seal for Clutch (APS)	1 No	Each	
107	Fly Wheel Ring (APS)	1 No	Each	
108	Hyd: Pipe (Gear Box) (APS)	8 Nos	Each	
109	Hyd: Pipe (APS)	6 Nos	Each	
110	Hyd: Pipe For Angle Jack (APS)	8 Nos	Each	
111	Timing Oil Seal (APS)	4 Nos	Each	

SPARE PARTS FOR CHINA DOZER
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2		3	4
112	Hose 154-60-21422	1 No	Each	
113	Edge (Blade) (APS)	1 set	P.Set	
114	Carrier Roller (APS)	4 Nos	Each	
115	Track Roller Single Flange (APS)	6 Nos	Each	
116	Track Roller Double Flange (APS)	6 Nos	Each	
117	Seal for Track Roller Assy: (APS)	4 Nos	Each	
118	Grease Nipple (APS)	36 Nos	P.kit	
119	Bolt for Roller Track Chain (APS)	64 Nos	Each	
120	Hose Pipe for Water Body (APS)	4 No	Each	
121	Pump Assy: (Steering) (APS)	1 No	Each	
122	Gear Pump (APS)	1 No	Each	
123	Tube Suction (APS)	1 No	Each	
124	Tube Discharge (APS)	1 No	Each	
125	Universal Joint Assy: (APS)	1 No	Each	
126	Bearing Assy: Center (APS)	1 No	Each	
127	Bearing Assy: Rear (APS)	1 No	Each	
128	Seal 8S- 7928	1 No	Each	
129	Seal 1M- 6036	1 No	Each	
130	Linning (APS)	1 No	Each	
131	Gear 0227	1 No	Each	
132	Bend Assy: (APS)	1 No	Each	
133	Flange (APS)	1 No	Each	
134	Seal 4M- 7480	1 No	Each	
135	Sealed Beam 24 Volt (APS)	3 Nos	Each	
136	Seal 07155-12000	4 Nos	Each	
137	Seal 070016-00770	4 Nos	Each	
138	Seal 707-42-1200	4 Nos	Each	
139	Clutch Plate Inner (APS)	2 Nos	Each	
140	Clutch Plate Outer (APS)	2 Nos	Each	
141	Bearing for Hyd: Pump (APS)	4 No	Each	
142	Control Valve (Gear Box) (APS)	2 No	Each	
143	Bearing (APS)	4 No	Each	
144	Seal (APS)	1 No	Each	
145	Bearing (APS)	1 No	Each	
146	Bearing (APS)	1 No	Each	
147	Switch (Starting) (APS)	1 No	Each	
148	Water Pump Kit	4 Kit	P.Kit	

SPARE PARTS FOR CHINA DOZER
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2		3	4
149	Cut-Out 24 Volt	8 Nos	Each	
JOB WORK				
1	Head facing checking & polishing by prov: volve Guide fitting etc.	2 Job	P.Job	
2	Crank Rep: by turning	1 Job	P.Job	
3	Rep: of Head Facing & Prov: cutting, Polishing & Guide fitting, volve seat polishing etc.	4 Job	P.Job	
4	Rep: of Fuel Injection Pump, Plunger polishing by rematelling & calibrartionetc.	4 Job	P.Job	
5	Rep: of Radiator by Solding Cleaning Washing etc.	4 Job	P.Job	
6	Rep: of Radiator by new top fitting washing &	2 Job	P.Job	
7	Rep: of Fuel Injection Pump, Servicing of	4 Job	P.Job	
8	Rep: of Oil Cooler	4 Job	P.Job	
9	Rep: of Hydraulic Pump with parts fitting etc	2 Job	P.Job	
10	Rep: of Sprocket Wheel by welding drilling etc.	4 Job	P.Job	
11	Rep: of Track Roller S/C	8 Job	P.Job	
12	Electric Wiring complete	1 Job	P.Job	
13	Rep: of Self Starter i.e new parts fitting	2 Job	P.Job	
14	Rep: Generator Assy: i.e new parts fitting	2 Job	P.Job	
15	Rep: water pump Assy: i.e new parts fitting	4 Job	P.Job	
16	Rep: Fuel pump Assy: i.e new parts fitting	4 Job	P.Job	
17	Rep: & Servicing of Radiator Assy:	3 Job	P.Job	

Note: The Quantities may vary and the same will be acquired/ procured from the lowest approved contractor/ supplier as and when required on need basis through out the financial year 2017-18

Executive Engineer,
Feeder Division
Hyderabad

Contractor

GOVERNMENT OF SINDH



IRRIGATION DEPARTMENT

BIDDING DOCUMENTS

FOR

**PROCUREMENT OF GOODS & SERVICES FOR
REPAIR & MAINTENANCE OF
WORKSHOP MATERIAL & GATES MATERIAL.**

No: SKP/G-141/	of 201
Hyderabad Dated: -	- 201

EXECUTIVE ENGINEER
FEEDER DIVISION HYDERABAD.

MATERIAL FOR GATES & GEAR
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	Quantity	UNIT	RATE
1	2	3	4	5
1	M.S Girder 4"x2"x3/8, 6"x3"x1/4, 8"x4"x1/2" 10"x5"x1/2"(250mmx125mm) 12"x6"x1/2"(300mmx150mm) 16"x16"x1/2", 18"x8"x1/2", 20"x6"x1/2"	1000 Kgs	P.Kg	
2	M.S Channel 3"x1.5", 4"x2", 5"x2.5" 6"x3", 8"x3", 10"x3", 10"x3.5", 12"x4", 16"x4"x1/2"	1000 Kgs	P.Kg	
3	M.S Angle 1"x1"x1/4", 1.5"x1.5"x1/4", 1.5" 1.5"x3/8", 2"x2"x1/4" or 3/8", 3"x3"x3/8", 3.5"x3.5"x3/8", 4"x4" x3/8", 5"x5"x3/8", 6"x6"x3/8" or 1/2"	1000 Kgs	P.Kg	
4	M.S sheet 1/4" (6mm), 1/2" (12mm), 3/4" 3/8" (9mm).(25mm)	1000 Kgs	P.Kg	
5	C.I Roller 8" dia	8 Nos	Each	
6	C.I Roller 12" dia	8 Nos	Each	
7	C.I Roller 16" dia	8 Nos	Each	
8	C.I Roller 18" dia	8 Nos	Each	
9	C.I Roller 20" dia	8 Nos	Each	
10	C.I Roller 22" dia	8 Nos	Each	
11	M.S Stair step 3'x15" APS	20 Nos	Each	
12	Champion Grease	200 Kgs	P.Kg	
13	Gear Oil	200 Ltrs	P.Ltr:	
14	Pin for Wire Rope(APS)	4 Nos	Each	
15	Roller Shaft 2" dia 24" long	20 Nos	Each	
16	Roller Shaft 2.5" dia 24" long	20 Nos	Each	
17	Roller Shaft 3" dia 30" long	15 Nos	Each	
18	Roller Shaft 4" dia 28" long	10 Nos	Each	
19	C.I Pulley 6" dia	10 Nos	Each	
20	C.I Pully 8" dia	10 Nos	Each	
21	C.I Pully 10" dia	10 Nos	Each	
22	C.I Pully 14" dia	10 Nos	Each	
23	C.I Pully 15" dia,	10 Nos	Each	
24	C.I Pully 18" dia	10 Nos	Each	
25	C.I Pully 20" dia	10 Nos	Each	
26	C.I Pully Shaft 2" dia, 9" Long	20 Nos	Each	
27	C.I Pully Shaft 2" dia, 10" long	20 Nos	Each	
28	C.I Pully Shaft 2.5" dia 12" Long	20 Nos	Each	
29	C.I Crown Gear 16" dia	20 Nos	Each	
30	C.I Crown Gear 18" dia	20 Nos	Each	
31	C.I Crown Gear 20" dia	20 Nos	Each	
32	C.I Crown Gear 21" dia	10 Nos	Each	

MATERIAL FOR GATES & GEAR
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	Quantity	UNIT	RATE
1	2	3	4	5
33	Pinion Gear 4: dia	20 Nos	Each	
34	Plumbing Block 1.5" dia C/A 2.5" x 3"	20 Nos	Each	
35	Brass Nut 2" dia ,6" long	20 Nos	Each	
36	Brass Nut 2.5" dia, 10" long	20 Nos	Each	
37	Brass Nut 3" dia, 12"	15 Nos	Each	
38	Bottom Bracket 2" dia with hole	20 Nos	Each	
39	Bottom Bracket 2.5" dia with hole	20 Nos	Each	
40	Bottom Bracket 3" dia with hole	15 Nos	Each	
41	Brass Nut Flower Type 2" dia, 6" long	10 Nos	Each	
42	Brass Nut Flower Type 2.5" dia, 10" long	5 Nos	Each	
43	Brass Nut Flower Type 3" dia, 12" long	5 Nos	Each	
44	Top Bracekt 2" x 2.5" x 3" dia	20 Nos	Each	
45	C-I Top Plate 10"x10", 1" thick	20 Nos	Each	
46	C-I Top Plate 11"11", 1" Thick	15 Nos	Each	
47	C-I Top Plate 12"x12",1" Thick	10 Nos	Each	
48	C-I Wheel Handle(Large)	20 Nos	Each	
49	C-I Wheel with Handle (Small)	15 Nos	Each	
50	M.S Handle for winch mach:	10 Nos	Each	
51	M.S Elect: Welding electrode 8Swg China	500 Kgs	P.Kg	
52	Carbon Steel Electric Welding electrode	100 Kgs	P.Kg	
53	Head Facing Electric Welding Rod	50 KLgs	P.Kg	
54	M.S Sheet 20 S2g	100 Kgs	P.Kg	
55	M.S Sheet 22 S2g	100 Kgs	P.Kg	
56	M.S Sheet 25-S 2-g	100 Kgs	P.Kg	
57	Screw Rod 2" dia	150 Rft	P.Rft	
58	Screw Rod 2.5" dia	150 Rft	P.Rft	
59	Screw Rod 3" dia	100 Rft	P.Rft	
60	C-I Winch Gear Small (APS)	10 Nos	Each	
61	C-I Winch Gear Large (APS)	10 Nos	Each	
62	C.I Coupling (APS)	20 Nos	Each	
63	Driving Shaft 1.5" dia(APS)	150 Rft	P.Rft	

MATERIAL FOR GATES & GEAR
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	Quantity	UNIT	RATE
1	2	3	4	5
64	Driving Shaft 2" dia(APS)	150 Rft	P.Rft	
65	Driving Shaft 3" dia(APS)	100 Rft	P.Rft	
66	Paint Gray/ Black/ Red oxide/Blue/Silver/ Burger	300 Ltrs	P.Ltr:	
67	Tarpin Oil	200 Ltrs	P.Ltr:	
68	Painting Brush 3", 4"	50 Nos	Each	
69	Hard Coal	20 Kgs	P.Kg	
70	Nut Bolt for wooden planks(all Size)	100 Kgs	P.Kg	
71	Kerrasine Oil	100 Ltrs	P.Ltr:	
72	Helical Gear (APS)	10 Nos	Each	
73	Worm Gear (APS)	10 Nos	Each	
74	Wire rope Drum	5 Nos	Each	
75	Turn Buckle (APS)	5 Nos	Each	
76	Steel Wire Rope 5/8" dia	200 Rft	P.Rft:	
77	Steel Wire Rope 6/8" dia	200 Rft	P.Rft	
78	Steel Wire Rope 7/8" dia	150 Rft	P.Rft	
79	Steel Wire Rope 1"	100 Rft	P.Rft	
80	U-Clamp for wire roop 5/8" dia	200 Nos	Each	
81	U-Clamp for wire roop 6/8" dia	200 Nos	Each	
82	U-Clamp for wire roop 7/8" dia	100 Rft	Each	
83	U-Clamp for wire roop 1" dia	100 Rft	Each	
84	G.I Pipe 1" dia	50 Rft	P.Rft:	
85	G.I Pipe 1.5" dia	50 Rft	P.Rft:	
86	G.I Pipe 2" dia	100 Rft	P.Rft:	
87	Metallic Winch Box	10 Nos	Each	
88	Gun Metal Bush	25 Kgs	P.Kg	
89	M.s Flate 1.5", 2", 3"x3/8"	100 Kgs	P.Kg	
90	C.I Pedestal Off Size	10 Nos	Each	
91	Squaire Bar 1" , 2", 3".	100 Kgs	P.Kg	
92	Key for Groves	20 Nos	P.Kg	
93	Cotton Waste	100 Kgs	P.Kg	
94	M.S Washer Offi Size	100 Kgs	P.Kg	
95	M.S Nut & Bolt Off Size	200 Kgs	P.Kg	

GATES & GEAR MATERIAL
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	Quantity	UNIT	RATE
1	2	3	4	5
96	Pen Wood Planks	50 Cft	P.Cft:	
97	Manila Rope 1" dia	50 Rft	P.Rft:	
98	Manila Rope 2" dia	50 Rft	P.Rft:	
99	Bucket Clamp	20 Nos	Each	
100	Teak Wood for cocking	20 Rft	P.Rft:	
101	Braceket for Wire Rope	10 Nos	Each	
102	Glanded Rubber Seal 1.5", 4"	50 Rft	P.Rft:	
103	Pevet Brecket	10 Nos	Each	
104	C.I Stoper (for Barrage Gate Shutter)	8 Nos	Each	
105	Chain Pulley Cover repairing	2 Jobs	P.Job	
106	Bearing for Chain Pully Block i-c fitting.	2 Jobs	P.Job	
107	Rep: of Roller for Chain (APS)	1 Job	P.Job	
108	Chain Puley Block Capacity 2 ton	No	Each	
109	Chain Puley Block Capacity 3 ton	1 No	Each	
110	Chain Puley Block Capacity 5 ton	1 No	Each	
111	Oxygen Gas	100 Cyl	P.Cyl:	
112	D-Acetylene Gas	60 Cum	P.Cum:	

Note:- The Quantities may vary and the same will be acquired/ procured from the lowest approved contractor/ supplier as and when required on need basis through out the financial year 2017-18

Executive Engineer
Feeder Division Hyderabad.

CONTRACTOR

WORKSHOP ENGINEERING MATERIAL
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2	3	4	5
1	Iron Blade 60 AMP Heavy Duty	10 Nos	Each	
2	Iron Blade 80 AMP Heavy Duty	5 Nos	Each	
3	Iron Blade 100 AMP Heavy Duty	5 Nos	Each	
4	Iron Blade 30 AMP Heavy Duty	5 Nos	Each	
5	Electric Grinder Large	5 Nos	Each	
6	Electric Grinder Heavy Duty	5 Nos	Each	
7	Grease Gun Bucket Type(APS)	10 Nos	Each	
8	Sliding shoft for Lethe Machine(APS)	5 Nos	Each	
9	Griding Stone H/D Rough	20 Nos	Each	
10	Griding Stone H/D Polish	20 Nos	Each	
11	Diamond Tool off Size	30 Nos	Each	
12	Worm Gear for Lethe Machine	6 Nos	Each	
13	Helical Gear for Lethe	6 Nos	Each	
14	Speed Gear for Lethe Machine	6 Nos	Each	
15	Lathe Machine Chuck for three jaws	6 Nos	Each	
16	Steel Less Steel Calliper (out side)	10 Nos	Each	
17	Steel Less Steel Calliper (in side)	10 Nos	Each	
18	Measurement Tape 100ft	20 Nos	Each	
19	Shaper Gear APS	5 Nos	Each	
20	Chuck Nut APS	20 Nos	Each	
21	File Flat 6"	10 Nos	Each	
22	File Flat 12"	20 Nos	Each	
23	File Flat 18"	20 Nos	Each	
24	Sliding Gear APS	6 Nos	Each	
25	Drill Machine Socket assorted size	20 Nos	Each	
26	Drill Bit 25/32	20 Nos	Each	
27	Drill Bit 21/32	20 Nos	Each	
28	Drill Bit 18 to 1/2	20 Nos	Each	
29	Over Head Leasd switch for the phase 60	10 Nos	Each	
30	Diamond Grinder Wheel	10 Nos	Each	
31	High Speed Tool 3/4	10 Nos	Each	
32	Diamond Tool V-Shape	20 Nos	Each	
33	Diamond Tool Side Shape	20 Nos	Each	
34	Diamond Tool Bearing Shape	20 Nos	Each	
35	Tool Holder	10 Nos	Each	
36	Hammer 2 Lb	30 Nos	Each	

WORKSHOP ENGINEERING MATERIAL
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2	3	4	5
37	Sprit Level	6 Nos	Each	
38	Stain Less Steel vernier calliper	10 Nos	Each	
39	Transformer Oil	400 Litt:	P.Ltr:	
40	Kerosene Oil	100 Litt:	P.Ltr:	
41	Transformer Socket Heavy duty	40 Nos	Each	
42	Electric Welding Holder 300 AMP	100 Nos	Each	
43	Terminal Block for Transformer	30 Nos	Each	
44	Electric Welding Cable 350 AMP H/D	500 Rft	P.Rft:	
45	Cost Iron Welding electrode MT-12	50 Kgs	P.Kg	
46	Electric Welding Rod MT-12 China	50 Kgs	P.Kg	
47	Knob for Welding Transformer	40 Nos	Each	
48	Wheel For Transformer	20 Nos	Each	
49	Hand Gloves (Leather) Full size	60 Pair	P.Pair	
50	Helmet for Welder	50 Nos	Each	
51	Electric Welding Mirror Blue	200 Nos	Each	
52	Electric Welding Mirror White	200 Nos	Each	
53	Chipping Hammer	50 Nos	Each	
54	Guage Meter for Oxygen	5 Nos	Each	
55	Guage Meter for Acetylene	5 Nos	Each	
56	Gas Cutter Complete(B.O.C)	5 Nos	Each	
57	Gas Hose Pipe Bridedtone Blue	500 Rft	P.Rft:	
58	Gas Hose Pipe Bridg stone Red	500 Rft	P.Rft:	
59	Nozzle off size (B.O.C)	20 Nos	Each	
60	Brass Nut for Gas Cutter Clock Wise	5 Nos	Each	
61	Brass Nut for Gas Cutter Anti Clock Wise	5 Nos	Each	
62	Hand Gloves (Cloth) full size	50 Pair	P.Pair	
63	Goggles for Welding	100 Nos	Each	
64	Battery Clip H/D	100 Nos	Each	
65	Gravity Guage Meter	10 Nos	Each	
66	Distilled Water	50 Botle	P.Bot:	
67	Battery Mixture	50 Botle	P.Bot:	
68	Heating Plate	10 Nos	Each	
69	Heating Element	10 Nos	Each	
70	Electric Blub 100 Watt 220 Volt	50 Nos	Each	
71	Electric Blub 200 Watt 220 Volt	50 Nos	Each	
72	Electric Blub 500 Watt 220 Volt	50 Nos	Each	

WORKSHOP ENGINEERING MATERIAL
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2	3	4	5
73	Saver 80 Watt (Bulb)	50 Nos.	Each	
74	Saver 35 Watt (Bulb)	50 Nos.	Each	
75	Electric Wire 6mm (Auto)	10 Rolls	P.Roll	
76	Electric Wire 7mm (Auto)	10 Rolls	P.Roll	
77	Electric Wire 9mm	10 Rolls	P.Roll	
78	Tube Ligth 40 Watt 220 Volts	50 Nos	Each	
79	Chock for Tube Light	50 Nos	Each	
80	Copper Electric Wire 7/29	10 Rolls	P.Roll	
81	Copper Electric Wire 7/44	10 Rolls	P.Roll	
82	Copper Electric Wire 7/52	10 Rolls	P.Roll	
83	Copper Electric Wire 3/32	10 Rolls	P.Roll	
84	Hack Saw Blade	50 Nos	Each	
85	Capacitor	50 Nos	Each	
86	Insulation Tape 1" Neto	100 Nos	Each	
87	Insulation Tape 1/2" Neto	100 Nos	Each	
88	Rewinding for electric motor 7.5 Hp	10 Job	P.Job	
89	Hammer 1Lb	5 Nos	Each	
90	Hammer 4Lb	8 Nos	Each	
91	Hammer 5Lb	8 Nos	Each	
92	Hammer 10 Lb	8 Nos	Each	
93	Hammer 20 Lb	8 Nos	Each	
94	Wooden Hand for Hammer assorted size	8 Nos	Each	
95	Chiesel assorted size	20 Nos	Each	
96	Cylinder key	20 Nos	Each	
97	Rubber Shoes for Electrician	30 Pair	P.Pair	
98	Rubber Hand Gloves for Eelectrician	30 Pair	P.Pair	
99	Wooden Stair 25 Ft	5 Nos	Each	
100	Adjusting Spanner 12" Spanner	10 Nos	Each	
101	Adjusting Spanner 18"	10 Nos	Each	
102	Pipe Wrench 12"	5 Nos	Each	
103	Pipe Wrench 18"	5 Nos	Each	
104	Ring Spanner Set	5 Sets	P.Set	
105	Fix Spanner Set	5 Sets	P.Set	
106	File Rough 12'	5 Nos	Each	
107	File Polish 6"	5 Nos	Each	
108	L- Key	5 Nos	Each	

WORKSHOP ENGINEERING MATERIAL
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2	3	4	5
109	Saw for Wooden	5 Nos	Each	
110	Spray Gun	5 Nos	Each	
111	Emery Paper assorted size	50 Nos	Each	
112	Hyd: Seal APS with Bolt & Adopter	10 Nos	Each	
113	P.V.C Pipe	100 Fit	P.Fit	
114	P.V.C Pipe Clip	50 Fit	Each	
115	Brass Bulb Holder	50 Nos	Each	
116	Battery Clip Wire	60 Nos	Each	
117	Electric Motor 25 H.P	5 Nos	Each	
118	Centrifugal Pump 12" x 12"	5 Nos	Each	
119	Fan Belt Off size (imported)	30 Nos	Each	
120	Starter Auto Motor Panel	10 Nos	Each	
121	Pully for Motor	20 Nos	Each	
122	Cable 25mm	100 Meter	P.Mtr:	
123	Foundation for Motor Pump	5 Jos	P.Job	
124	Rewinding welding Transformer complete	6 Job	P.Job	
125	Repair of welding by rewinding and alteration link terminal outside of the body	6 Job	P.Job	
126	Repair of Transformer body with dending and painting and 4 Nos wheel fitting and toe handle fitting	6 Job	P.Job	
127	I-Bolt & Nut 4"	50 Nos	Each	
128	I-Bolt & Nut 6"	50 Nos	Each	
129	Choldari size 16"x16" with Bambes & Complete	25 Sets	P.Set	
130	Uniform (Pant Bushrit) with swing Charges for labourers	1100 Pairs	P.Pair	
131	Repair of Monitor (Computer)	4 Jobs	P.Job	
132	Key Board (Computer)	4 Nos	Each	
133	Repair of Printer (Computer)	8 Jobs	P.Job	
134	Mouse (Computer)	8 Nos	Each	
135	Toner Filling for Printer (Computer)	16 Jobs.	P. Job	
136	Tuner filling for Photostat Machine	3 Jobs	P.Job	
137	Rep:Gear Box for Photostat Machine	1 Job	P.Job	
138	Heater for Photostat Machine	1 No	Each	
139	Rewinding of sealing fan	10 Job	P.Job	
140	Repair of sealing fan i.c with parts	10 Job	P.Job	
141	Repair of CPU (Computer)	4 Jobs	P.Job	

WORKSHOP ENGINEERING MATERIAL
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2	3	4	5
142	Repair of Pedistal fan by rewinding	5 Jobs	P.Job	
143	Red Cloth for Files	200 Meter	P.M	
144	Register for 400 Pages	10 Nos	Each	
145	Register for 300 Pages	10 Nos	Each	
146	Saver 24V	50 Nos	Each	
147	Saver 40V	50 Nos	Each	
148	Table Glass (Office)	50 Sft	P.Sft:	
149	Repair of Wooden door	10 Job	P.Job	
150	Table cover cloth (Office)	20 Meter	P. Meter	
151	Table cover regzine (Office)	20 Meter	P.Meter	
152	Repair of wooden table (Office)	10 Job	P.Job	
153	Repair of wooden chair (Office)	20 Job	P.Job	
154	Repair of Iron cupboard (Office)	10 Job	P.Job	
155	Colour for cupboard	10 Job	P.Job	
156	Netting for chair seat	20 Job	P.Job	
157	Netting for chair seat & back	20 Job	P.Job	
158	Repair of side Table (Office)	2 Jobs	P.Job	
159	Cussion for Revolving chair	2 Jobs	P.Job	
160	Repair of wooden cupbourd	2 Jobs	P.Job	
161				
162	Glanixed sheet/ Zig zag	1000 Kgs	P.Kg	
163	Barbit wire	1000 Kgs	P.Kg	
164	Blader wire	1000 Kgs	P.Kg	
165	Carrior Roller (6" dia x 10" long) (APS)	20 Nos	Each	
166	Carrior Roller (1" dia x 12" long) (Steel less Steel)	10 Nos	Each	
167	Fore Chase (APS)	5 Nos	Each	
168	Cutting Oil	20 Nos	Each	
169	Flate Belt 4"	10 Nos	Each	
170	Belt jlund	15 Nos	Each	
171	Hand Grinder (5" , 7") H/D	5 Nos	Each	
172	Hand Grinder Disk H/D off size	10 Nos	Each	
173	Hand Grinder Machine off size H/D	5 Nos	Each	
174	Volt Mater	10 Nos	Each	
175	Ampear Meter	20 Nos	Each	
176	Grivity Mixture	60 Nos	Each	

WORKSHOP ENGINEERING MATERIAL
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2	3	4	5
177	Elect: Ampear Meter	5 Nos	Each	
178	Sentry Drill Bit off size	10 set	P.Set	
179	Saver 45 Walt	20 Nos	Each	
180	Saver 85 Walt	80 Nos	Each	
181	Saver Holder S/Type	50 Nos	Each	
182	Saver Holder Pin/Type	30 Nos	Each	
183	Bracker for 3 Phase (10 Ampear & 300)	10 Nos	Each	
184	Chaine Over 500 Ampear	5 Nos	Each	
185	Box Spanner set	5 Sets	P.Set	
186	Palier 8"	5 Nos	Each	
187	Noze Palair 8"	5 Nos	Each	
188	Cutting Palair 8"	10 Nos	Each	
189	Screw Driver 8"	10 Nos	Each	
190	Heal Gun	10 Nos	Each	
191	Tester Meter	10 Nos	Each	
192	Battery Tester Meter	5 Nos	Each	
193	Solar on off switch (APS)	10 Nos	Each	
194	Elect: Board Metalic (Main) 3 Phase size (4'.6"x5'6") (Pannel)	10 Nos	Each	
195	Solar fan (Bracket type)	5 Nos	Each	
196	Solar Fan (Padistal)	5 Nos	Each	
197	Solar stand off size (stane Febricated)	10 Nos	Each	
198	Vice H/D	2 Nos	Each	
199	Tank (Compressor) H/D 500/600 LBS	1 No	Each	
200	Head (Compressor)	1 No	Each	
201	Value (Head)	4 set	P.Set	
202	Guide (Head)	4 set	P.Set	
203	Piston for compressor (Std) (Head)	2 set	P.Set	
204	Ring for compressor (Head)	4 Packt	P.Packet	
205	Puly off size (APS) (compressor)	6 Nos	Each	
206	Rep: of compressor by Gen: O/H change of parts etc	2 Jobs	P.Job	
207	Compressure Head, Facing set cutting and valve Guide, fitting etc.	2 Jobs	P.Job	
208	Sefty value 250 LBS	4 Nos	Each	
209	Air Pressure Pipe (copper)	50 Rft:	P.Rft:	
210	Nozzle for Air pressure pipe	10 Nos	Each	

WORKSHOP ENGINEERING MATERIAL
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2	3	4	5
211	Air Pressure Gauge meter	2 Nos	Each	
212	Jack Truss Mounted	2 Nos	Each	
213	Elect: Chain Block 1/2 ton with pand etc.	1 No	Each	
214	Solar Plate 100 Watt	4 Nos	Each	
215	Solar Plate 150 Watt	6 Nos	Each	
216	Solar Plate 250 Watt	4 Nos	Each	
217	Solar Plate 300 Watt	8 Nos	Each	
218	Solar controller 20 AMP	10 Nos	Each	
219	Solar controller 30 AMP	10 Nos	Each	
220	Solar controller 40 AMP	10 Nos	Each	
221	Solar Panel wire 3/32 H/D	5 Roll	P.Roll	
222	Solar Cricut Plate for Fan (APS) (Auto)	2 Nos	Each	
223	Rewinding of Gen: (Diamno by rewinding & Other parts fitting etc.)	2 Jobs	P.Job	
224	AVR complete single phase (3000 walt & 5000)(APS)	2 Nos	Each	
225	Engine Generator O/H by parts fitting comp: etc single phase 3000-5000 walt Generator (APS)	2 Jobs	P.Job	
226	PVC Bend 3/4	20 Nos	Each	
227	PVC Bend 1.5"	20 Nos	Each	
228	PVC Bend 2"	20 Nos	Each	
229	PVC Bend 1/2"	40 Nos	Each	
230	PVC Pipe Clip 3/4"	40 Nos	Each	
231	PVC Pipe Clip 1.5"	40 Nos	Each	
232	PVC Pipe Clip 2"	20 Nos	Each	
233	PVC Pipe Clip 1/2"	10 Nos	Each	
234	Steel nail (1".1.5"x 2.2.6.3.4")	4 Nos	Each	
235	Switch (30 AMP)	4 Nos	Each	
236	Socket (30 AMP)	30 Pckt	P.Pckt	
237	Wooden Screw Packet	10 Nos	Each	
238	Wooden Board (12" x 8")	5 Roll	P.Roll	
239	Electric wire 7/29 copper	5 Roll	P.Roll	
240	Electric wire 3/29 copper	5 Roll	P.Roll	
241	Electric Wire 7/64 copper	2 Roll	P.Roll	
242	Electric Wire	5 Nos	Each	
243	Solar Fan	3 Jobs	P.Job	

WORKSHOP ENGINEERING MATERIAL
SCHEDULE OF PRICE

S.#	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE
1	2	3	4	5
244	Rep: of Water Cooler by change of compressor, Capacitor, New Wiring and Gas re-changing etc	3 Jobs	P.Job	
245	Rep: of water Cooler by Soldring of tubes & New Gas changing	3 Jobs	P.Job	
246	Rep: of water Cooler by change friazing tubes, compressor Gas recharging etc.	3 Jobs	P.Job	
247	Rep: of Cooler and charge of water Cock etc.	3 Jobs	P.Job	

Note:- The Quantities may vary and the same will be acquired/ procured from the lowest approved contractor/ supplier as and when required on need basis through out the financial year 2017-18

Executive Engineer
Feeder Division Hyderabad.

CONTRACTOR

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	Name of Procuring Agency of Government of Sindh. Executive Engineer, Feeder Division Hyderabad.			
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	Name of Contract. Supply of Goods and Services for repair and maintenance of machinery (different makes).			
ITB 4.1	Name of Procuring agency. Executive Engineer, Feeder Division Hyderabad.			
ITB 6.1	Procuring agency's address	Telephone	Telex	Facsimile numbers
	Executive Engineer, Feeder Division, (Left Bank) Barrage Colony Near Qasim Chowk Hyderabad	0229210272		
	Email address: enr.rehmatullahsoomro@gmail.com			
ITB 8.1	Language of the bid. [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 (01 [number] of years of operation.
ITB 15.1	Amount of bid security. Lum Sum
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, 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. Executive Engineer Feeder Division Hyderabad (Left Bank) Barrage Colony Near Qasim Chowk Hyderabad.
ITB 18.2 (b)	IFB title and number.
ITB 19.1	Deadline for bid submission. On @2.00 PM
ITB 22.1	Time, date, and place for bid opening. @ 3.00 PM Executive Engineer Feeder Division Hyderabad

Bid Evaluation	
ITB 25.3	25.3 (b)
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 (Not applicable) <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)	Deviation in payment schedule. (N/A) Annual interest rate. (N/A)
ITB 25.4 (d)	Cost of spare parts. (N/A) <i>[Specify the applicable method—(i), (ii), or (iii)—and factors (e.g., number of years) and reference to the Appendix to the Technical Specifications, as required.]</i>
ITB 25.4 (e)	Spare parts and after sales service facilities in the Procuring agency's country. (N/A) <i>[Minimum service facilities and parts inventories or reference to the Technical Specifications.]</i>
ITB 25.4 (f)	Operating and maintenance costs. (N/A) Factors for calculation of the life cycle cost: <ul style="list-style-type: none"> (i) number of years for life cycle <i>[it is recommended that the life cycle period should not exceed the usual period before a planned major overhaul of the goods];</i> (ii) operating costs <i>[e.g., fuel and/or other input, unit cost, and annual and total operational requirements];</i> (iii) maintenance costs <i>[e.g., spare parts—without duplication of above Clause 25.4(d) requirements—and/or other inputs];</i> and (iv) rate, as a percentage, to be used to discount all annual future costs calculated under (ii) and (iii) above to present value. or Reference to the methodology specified in the Technical Specifications or elsewhere in the bidding documents. <i>[The contractual liquidated damages specified in the SCC shall be higher than the evaluation advantage.]</i>
ITB 25.4 (g)	Performance and productivity of equipment. (N/A) <i>[Specify the applicable procedure and the adjustment factor (in the currency used for bid evaluation, as applicable), as required. The adjustment factor should</i>

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, Feeder Division
Hyderabad.**

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 - Not applicable.

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)

(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 - Applicable rate: 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:

Executive Engineer, Feeder Division, (Left Bank)
Barrage Colony Near Qasim Chowk Hyderabad.

— 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 _____ ¹
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Goods and services will be availed and charged as and when required with in fiscal year (upto 30 June 2016).

¹ 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

1. Bid Form and Price Schedules

Date: _____
IFB N°: _____

To: *[name and address of Procuring Agency]*

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.

Dated this _____ day of _____ 19_____.

[signature]

[in the capacity of]

Duly authorized to sign Bid for and on behalf of _____

Price Schedule in Pak. Rupees

Name of Bidder _____ IFB Number _____ Page of _____

1 Item	2 Description	3 Country of origin	4 Quantity	5 Unit price DDP named place	6 Total DDP per item	7 Unit price of Delivered duty paid (DDP) to final destination plus price of other incidental services if required ³

Signature of Bidder _____

Note: In case of discrepancy between unit price and total, the unit price shall prevail.

³ Must be included if required under ITB 11.2

2. Bid Security Form

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

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]

3. Contract Form

THIS AGREEMENT made the _____ day of _____ 19____ between [name of Procuring Agency] of [country of Procuring agency] (hereinafter called "the Procuring agency") of the one part and [name of Supplier] of [city and country of Supplier] (hereinafter called "the Supplier") of the other part:

WHEREAS the Procuring agency invited bids for certain goods and ancillary services, viz., [brief description of goods and services] and has accepted a bid by the Supplier for the supply of those goods and services in the sum of [contract price in words and figures] (hereinafter called "the Contract Price").

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.

2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:

- (a) the Bid Form and the Price Schedule submitted by the Bidder;
- (b) the Schedule of Requirements;
- (c) the Technical Specifications;
- (d) the General Conditions of Contract;
- (e) the Special Conditions of Contract; and
- (f) the Procuring agency's Notification of Award.

3. In consideration of the payments to be made by the Procuring agency to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Procuring agency to provide the goods and services and to remedy defects therein in conformity in all respects with the provisions of the Contract

4. The Procuring agency hereby covenants to pay the Supplier in consideration of the provision of the goods and services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the contract at the times and in the manner prescribed by the contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with their respective laws the day and year first above written.

Signed, sealed, delivered by _____ the _____ (for the Procuring agency)

Signed, sealed, delivered by _____ the _____ (for the Supplier)

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]

5. Bank Guarantee for Advance Payment

To: *[name of Procuring agency]*

[name of Contract]

Gentlemen and/or Ladies:

In accordance with the payment provision included in the Special Conditions of Contract, which amends Clause 16 of the General Conditions of Contract to provide for advance payment, *[name and address of Supplier]* (hereinafter called "the Supplier") shall deposit with the Procuring agency a bank guarantee to guarantee its proper and faithful performance under the said Clause of the Contract in an amount of *[amount of guarantee in figures and words]*.

We, the *[bank or financial institution]*, as instructed by the Supplier, agree unconditionally and irrevocably to guarantee as primary obligator and not as surety merely, the payment to the Procuring agency on its first demand without whatsoever right of objection on our part and without its first claim to the Supplier, in the amount not exceeding *[amount of guarantee in figures and words]*.

We further agree that no change or addition to or other modification of the terms of the Contract to be performed thereunder or of any of the Contract documents which may be made between the Procuring agency and the Supplier, shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition, or modification.

This guarantee shall remain valid and in full effect from the date of the advance payment received by the Supplier under the Contract until *[date]*.

Yours truly,

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.

[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.