

**Local Government & Community
Development Department**



Bidding Documents

For

**PROCUREMENT OF SOLID WASTE
MACHINERY & EQUIPMENT AND
FABRICATION OF SUPERSTRUCTURE
ON CHASSIS OF VEHICLES**

FOR

**IMPROVEMENT OF SOLID WASTE
MANAGEMENT IN JHELUM CITY**

Municipal Committee Jhelum

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**INVITATION
FOR
BIDS**

INVITATION FOR BIDS



(Procurement of Solid Waste Machinery & Equipment and Fabrication of Superstructures on Chassis of Vehicles for Jhelum City)

1. The Government of Pakistan has received a loan (Credit No. 6243-PK) from the International Development Association (IDA) for funding of Punjab Cities Program (PCP) and intends to use part of the funds to cover eligible payments under the contract for sub-project “**Provision of Machinery & Equipment for Improvement of Solid Waste Management in Jhelum City**” The Program will be implemented under the control of Punjab Municipal Development Fund Company (PMDFC).

Lot- I Machinery and equipment to be purchased

S.No.	Type of machinery & Equipment	Nos.
1.	Wheel Excavator	1

2. Municipal Committee Jhelum intends to invite eligible Vendors/Manufacturers having expertise in the above mentioned fields for procurement of the following Machinery / Equipment.
3. The Bidder must:
 - (i) Be a registered body duly recognizable under the law of Pakistan
 - (ii) Be registered with FBR for income Tax and Sales Tax.
 - (iii) Not be blacklisted.
 - (iv) Not be involved in litigation with any Government Department, Agency/Organization etc.
 - (v) Have sufficient financial, technical and human resources to complete the procurement within prescribed time limit on the finalization of contract.
4. Bidding Documents will be available immediately after publication of this notice and can be purchased from Office of Chief Officer, Municipal Committee Jhelum for a non-refundable fee of Rs. **10,000/-** for each set. Interested bidders may obtain further information from the same address.
5. Bids shall be valid for a period of 90-days after Bid opening and must be accompanied by bid security of amount Rs. **2.143 Million** for Lot-I (Bid Security is in line with PPRA Rule-27) in the form of a Bank Draft or an irrevocable encashable on-demand

Bank Call Deposit in favor of Chief Officer Municipal Committee Jhelum and shall be delivered on or before **24-01-2023** at **12:00 P.M.** The bids shall be opened in the presence of the bidders or their authorized representatives who choose to attend at **12:30 P.M.** on the same day at the above given office.

6. A pre-bid meeting with contractors will be held on **23-01-2023** in the office of Chief Officer, Municipal Committee Jhelum and interested bidders are invited for participation.
7. Last date of collecting the bidding documents is **23-01-2023** till office hours.
8. The Bidding Procedure will be governed by Rule 38(2)a of PPRA, 2014 “Single Stage Two Envelopes” procedure. The bids shall be evaluated on the basis of qualification criteria provided in the bidding documents.
9. Municipal Committee Jhelum reserves the right to cancel/reject all offers, as per Punjab Procurement Regulatory Authority (PPRA) Rules (2014).

**CHIEF OFFICER
MUNICIPAL COMMITTEE JHELUM
Ph: 0544-920098**

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INSTRUCTIONS TO BIDDERS

INSTRUCTIONS TO BIDDERS

(Note: These Instructions to Bidders along with Bidding Data will not be part of the Contract and will cease to have effect once the Contract is signed.)

A. GENERAL

IB.1 Scope of Bid

- 1.1 The Purchaser as defined in the Bidding Data hereinafter called “the Purchaser” wishes to receive bids for the supply of Engineering Goods as described in these Bidding Documents, and summarised in the Bidding Data hereinafter referred to as the “Goods”.
- 1.2 The successful Bidder will be expected to supply the Goods within the time specified in the Bidding Documents.
- 1.3 All Goods to be supplied under the Contract shall have as their country of origin an eligible country as per Appendix-A to Bid.
- 1.4 For purposes of this Clause, the term “Goods” includes commodities, raw material, machinery, equipment, and industrial plants.

- 1.5 The term “country of origin” means the country where the goods have been mined, grown, cultivated, produced, manufactured, or processed; or through manufacture, processing, or assembly, another commercially recognized article results that differs substantially in its basic characteristics from its imported components.
- 1.6 The nationality of the firm that produces, assembles, distributes, or sells the goods shall not determine their origin.
- 1.7 The bidding is open to National/International Competitive Bidding as indicated in the Bidding Data.

IB.2 Source of Funds

- 2.1 The Purchaser has applied for/received a loan/credit from the source (s) indicated in the Bidding Data in various currencies towards the cost of the project specified in the Bidding Data and it is intended that part of the proceeds of this loan/credit will be applied to eligible payments under the Contract for which these Bidding Documents are issued.

IB.3 Eligible Bidders

- 3.1 This Invitation for Bids is open to all Bidders meeting the following requirements:
 - a. A Bidder having the nationality of an eligible country in accordance with Appendix A to Bid.
 - b. The bidder should have vast experience, excellent expertise and excellent manufacturing facility capable to manufacture the machinery & equipment conforming to the specifications given in Section-I of “Standards and Specifications” included in the Bidding Documents.

IB.4 One Bid per Bidder

- 4.1 Each Bidder shall submit only one bid either by himself, or as a partner in a joint venture. A Bidder who submits or participates in more than one bid (other than alternatives pursuant to Clause IB.20) will be disqualified.

IB.5 Cost of Bidding

- 5.1 The Bidders shall bear all costs associated with the preparation and submission of their respective bids and the Purchaser will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

IB.6 Site Visit

- 6.1 The Bidders are advised to visit and inspect the Location of Delivery and its surroundings and obtain for themselves on their own responsibility, all information

that may be necessary for preparing the bid and entering into a Contract for Supply of Goods. All cost in this respect shall be at the bidder's own expense.

- 6.2 The Bidders and any of their personnel or agents will be granted permission by the Purchaser to enter upon his premises and lands for the purpose of such inspection, but only upon the express condition that the Bidders, their personnel and agents, will release and indemnify the Purchaser, his personnel and agents from and against all liability in respect thereof and will be responsible for death or personal injury, loss of or damage to property and any other loss, damage, costs and expenses incurred as a result of such inspection.

B. BIDDING DOCUMENTS

IB.7 Contents of Bidding Documents

- 7.1 The Bidding Documents, in addition to Invitation for Bids, are those stated below and should be read in conjunction with any Addenda issued in accordance with Clause IB.9.

1. Instructions to Bidders
2. Bidding Data
3. Form of Bid
4. Appendices to Bid
5. General Conditions of Contract (GCC), Part-I
6. Particular Conditions of Contract (PCC), Part-II
7. Standard Forms
 - (i) Form of Bid Security
 - (ii) Form of Performance Security
 - (iii) Form of Contract Agreement
 - (iv) Form of Advance Payment Security
8. Specifications & Standards.....Special & Technical Provisions
9. Bill of Quantities
10. Drawings

- 7.2 The bidders are expected to examine carefully the contents of all the above documents. Failure to comply with the requirements of bid submission will be at the Bidder's own risk. Pursuant to Clause IB.30, bids which are not substantially responsive to the requirements of the Bidding Documents will be rejected.

IB.8 Clarification of Bidding Documents

- 8.1 Any prospective Bidder requiring any clarification (s) in respect of the Bidding Documents may notify the Purchaser in writing at the Purchaser's address indicated in the Invitation for Bids. The Purchaser will respond to any request for clarification which he receives earlier than the time, stated in the Bidding Data, prior to the deadline for submission of bids. Copies of the Purchaser's response will be forwarded to all purchasers of the Bidding Documents, including a description of the enquiry but without identifying its source.

IB.9 Amendment of Bidding Documents

- 9.1 At any time prior to the deadline for submission of bids, the Purchaser may, for any reason, whether at his own initiative or in response to a clarification requested by a prospective Bidder, modify the Bidding Documents by issuing addendum.
- 9.2 Any addendum thus issued shall be part of the Bidding Documents pursuant to Sub-Clause 7.1 hereof and shall be communicated in writing to all purchasers of the Bidding Documents. Prospective Bidders shall acknowledge receipt of each addendum in writing to the Purchaser.
- 9.3 To afford prospective Bidders reasonable time in which to take an addendum into account in preparing their bids, the Purchaser may extend the deadline for submission of bids in accordance with Clause IB.24

C. PREPARATION OF BIDS

IB.10 Language of Bid

- 10.1 The bid as well as all correspondence and documents related to the bid exchanged by a bidder and the Purchaser shall be in the bid language stipulated in the Bidding Data and Particular Conditions of Contract. Supporting documents and printed literature furnished by the Bidders may be in any other language provided the same are accompanied by an accurate translation of the relevant parts in the bid language, in which case, for purposes of evaluation of the bid, the translation in bid language shall prevail.

IB.11 Documents Comprising the Bid

- 11.1 Each Bidder shall:
 - (a) submit a written power of attorney authorizing the signatory of the bid to act for and on behalf of the Bidder;
 - (b) update the information indicated and listed in the Bidding Data and previously submitted with the prequalification documents which as a minimum, would include the following application for prequalification, and continue to meet the minimum criteria set out in the:
 - (i) Evidence of access to financial resources alongwith average annual turnover;
 - (ii) Financial predictions for the current year and the two following years including the effect of known commitments;
 - (iii) Supply commitments since prequalification;
 - (iv) Current litigation information; and
 - (v) Availability of critical equipment.
and
 - (c) furnish a technical proposal taking into account the various Appendices to Bid specially the following:

Appendix-D to Bid	List of Quality Control/Laboratory Equipment
Appendix-E to Bid	List of Manufacturers / Subcontractors

and other pertinent information such as mobilization programme (under Appendix C to Bid) etc;

11.2 Bids submitted by a joint venture of two (2) or more firms shall comply with the following requirements:

- (a) the bid and in case of a successful bid, the Form of Contract Agreement shall be signed so as to be legally binding on all partners;
- (b) one of the joint venture partners shall be nominated as being in charge; and this authorization shall be evidenced by submitting a power of attorney signed by legally authorized signatories of all the joint venture partners;
- (c) the partner-in-charge shall always be duly authorized to deal with the Purchaser regarding all matters related with and/or incidental to the supply of Goods as per the terms and Conditions of Contract and in this regard to incur any and all liabilities, receive instructions, give binding undertakings and receive payments on behalf of the joint venture;
- (d) all partners of the joint venture shall at all times and under all circumstances be liable jointly and severally for the execution of the Contract in accordance with the Contract terms and a statement to this effect shall be included in the authorization mentioned under Sub-Para (b) above as well as in the Form of Bid and in the Form of Contract Agreement (in case of a successful bid); and
- (e) a copy of the agreement entered into by the joint venture partners shall be submitted with the bid stating the conditions under which it will function, its period of duration, the persons authorized to represent and obligate it and which persons will be directly responsible for due performance of the Contract and can give valid receipts on behalf of the joint venture, the proportionate participation of the several firms forming the joint venture, and any other information necessary to permit a full appraisal of its functioning. No amendments / modifications whatsoever in the joint venture agreement shall be agreed to between the joint venture partner without prior written consent of the Purchaser. The Pruchaser can call for any information about the joint venture from all members of the JV.

11.3 Bidders shall also submit proposals of supply and transportation methods and schedule, in sufficient detail to demonstrate the adequacy of the Bidders' proposals to meet the technical specifications and the completion time referred to in Sub-Clause 1.2 hereof.

IB.12 Bid Prices

12.1 The Bidder shall submit the Form of Bid using the form attached herewith. This form must be completed without any alterations to its format, and no substitutes shall be accepted. All blank spaces shall be filled in with the information requested.

- 12.2 The Bidder shall submit the Price Schedules for Goods, according to their origin as appropriate, using the forms furnished in Appendices to Bid along with Manufacturer,s Authorization (on the format provided) in case the Bidder is not himself the manufacturer of the Vehicle chassis and the equipment.
- 12.3 Unless stated otherwise in the Bidding Documents(in Lots under Schedule D to Bid), the Contract shall be for the whole of the Goods as described in Sub-Clause 1.1 hereof, based on the unit rates and/or prices submitted by the bidder.
- 12.4 The Bidders shall fill in rates and prices for all items of the Goods described in the Price Schedules. Items against which no rate or price is entered by a bidder will not be paid for by the Purchaser when delivered and shall be deemed covered by rates and prices for other items in the Price Schedules.
- 12.5 All duties, taxes and other levies payable by the Contractor under the Contract, or for any other cause, as on the date 28 days prior to the deadline for submission of bids shall be included in the rates and prices and the total Bid Price submitted by a Bidder.
Additional/reduced duties, taxes and levies due to subsequent additions or changes in legislation shall be dealt as per Clause 17 of the General Conditions of Contract.
- 12.6 The rates and prices quoted by the Bidders are not subject to adjustment during the performance of the Contract in accordance with the provisions of Clause 15 of the General Conditions of Contract.

IB.13 Currencies of Bid and Payment

- 13.1 The unit rates and the prices shall be quoted by the Bidder entirely in Pak rupees. A Bidder expecting to incur expenditures in other currencies for Goods supplied from outside the Purchaser’s country (referred to as the “Foreign Currency Requirements”) shall indicate the same in Appendix-B to Bid. The proportion of the Bid Price (excluding Provisional Sums) needed by him for the payment of such Foreign Currency Requirements either (i) entirely in the currency of the Bidder’s home country or, (ii) at the Bidder’s option, entirely in Pak rupees provided always that a Bidder expecting to incur expenditures in a currency or currencies other than those stated in (i) and (ii) above for a portion of the foreign currency requirements, and wishing to be paid accordingly, shall indicate the respective portions in his bid.
- 13.2 The rates of exchange to be used by the Bidder for currency conversion shall be the TT&OD Selling Rates published or authorized by the State Bank of Pakistan prevailing on the date 28 days prior to the deadline for submission of bids.For the purpose of payments, the exchange rates used in bid preparation shall apply for the duration of the Contract.

IB.14 Documents Establishing the Eligibility of the Bidder

To establish their eligibility in accordance with ITB 4, Bidders shall:

- (a) Provide the eligibility documents as per ITB Clause 3; and

- (b) If the Bidder is an existing or intended JV in accordance with ITB 4.1 and 11.2, submit a copy of the JV Agreement, or a letter of intent to enter into such an Agreement. The respective document shall be signed by all legally authorized signatories of all the parties to the existing or intended JV, as appropriate.

IB.15 Documents Establishing the Eligibility of the Goods

- 15.1 To establish the eligibility of the Goods in accordance with ITB Clause 1-3, Bidders shall complete the country of origin declarations in the Price Schedule Forms, & Appendices to Bid.

IB.16 Documents Establishing the Conformity of the Goods to the Bidding Document

- 16.1 To establish the conformity of the Goods to the Bidding Document, the Bidder shall furnish as part of its Bid the documentary evidence that the Goods and be supplied conform to the specified requirements.
- 16.1 The documentary evidence may be in the form of literature, drawings or data, and shall consist of a detailed item-by-item description of the essential technical and performance characteristics of the Goods.
- 16.2 Standards for workmanship, process, material, and equipment, as well as references to brand names or catalogue numbers specified by the Purchaser in the Delivery and Completion Schedule , are intended to be descriptive only and not restrictive. The Bidder may offer other standards of quality, brand names, and/or catalogue numbers, provided that it demonstrates, to the Purchaser's satisfaction, that the substitutions ensure substantial equivalence or are superior to those specified in Delivery and Completion Schedule of Supply.

IB.17 Documents Establishing the Qualification of the Bidder

- 17.1 The documentary evidence of the Bidder's qualifications to perform the contract, if its bid is accepted, shall establish to the Purchaser's satisfaction that the Bidder meets each of the qualification criterion specified in Bidding Documents.
- 17.2 The bidder will supply all documents relating to the location of factory or manufacturing plant, area of building used for manufacturing, detail of all type of machinery and equipment used in manufacturing of the superstructures, solid waste machinery and equipment, detail of the galvanizing facility available in the factory / manufacturing plant beyond 100 microns thickness and detail of the testing facilities of the machinery & equipment to assure that the bidder has the capacity to manufacture the machinery and goods included in the Bid Schedule / Bill of Quantities.
- 17.2 If so required in the Bidding Data, a Bidder that does not manufacture or produce the Goods it offers to supply, shall submit the Manufacturer's Authorization using the appended form to demonstrate that it has been duly authorized by the manufacturer or producer of the Goods to supply these Goods in the Purchaser's country.

- 17.3 If so required in the Bidding Data, a Bidder that does not conduct business within the Purchaser's Country shall submit evidence that it will be represented by an Agent in the 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.

IB.18 Bid Validity

- 18.1 Bids shall remain valid for the period stipulated in the Bidding Data after the Date of Bid Opening specified in Clause IB.27.
- 18.2 In exceptional circumstances, prior to expiry of the original bid validity period, the Purchaser may request that the Bidders extend the period of validity for a specified additional period which shall in no case be more than the original bid validity period. The request and the responses thereto shall be made in writing. A Bidder may refuse the request without forfeiting his Bid Security. A Bidder agreeing to the request will not be required or permitted to modify his bid, but will be required to extend the validity of his Bid Security for the period of the extension, and in compliance with Clause IB.19 in all respects.

IB.19 Bid Security

- 19.1 Each Bidder shall furnish, as part of his bid, a Bid Security in the amount stipulated in the Bidding Data in Pak Rupees or an equivalent amount in a freely convertible currency.
- 19.2 The Bid Security shall be, at the option of the Bidder, in the form of Deposit at Call or a Bank Guarantee issued by a Scheduled Bank in Pakistan in favour of the Purchaser valid for a period 28 days beyond the Bid Validity date.
- 19.3 Any bid not accompanied by an acceptable Bid Security shall be rejected by the Purchaser as non-responsive. The bid security instrument will be enclosed in the Technical Proposal and not in the Financial Proposal.
- 19.4 The bid securities of unsuccessful Bidders will be returned as promptly as possible, but not later than 28 days after the expiration of the period of Bid Validity.
- 19.5 The Bid Security of the successful Bidder will be returned when the Bidder has furnished the required Performance Security and signed the Contract Agreement.
- 19.6 The Bid Security may be forfeited:
- (a) if the Bidder withdraws his bid except as provided in Sub-Clause 26.1;
 - (b) if the Bidder does not accept the correction of his Bid Price pursuant to Sub-Clause 31.2 hereof; or

- (c) In the case of successful Bidder, if he fails within the specified time limit to:
 - (i) furnish the required Performance Security; or
 - (ii) sign the Contract Agreement.

IB.20 Alternate Proposals by Bidder

- 20.1 Should any Bidder consider that he can offer any advantages to the Purchaser by a modification to the designs, specifications or other conditions, he may, in addition to his bid to be submitted in strict compliance with the Bidding Documents, submit any Alternate Proposal(s) containing (a) relevant design calculations; (b) technical specifications; (c) proposed manufacturing methodology; and (d) any other relevant details / conditions, provided always that the total sum entered on the Form of Bid shall be that which represents complete compliance with the Bidding Documents.
- 20.2 Alternate Proposal(s), if any, of the lowest evaluated responsive Bidder only may be considered by the Purchaser as the basis for the award of Contract to such Bidder.

IB.21 Pre-Bid Meeting

- 21.1 The Purchaser may, on his own motion or at the request of any prospective Bidder(s), hold a pre-bid meeting to clarify issues and to answer any questions on matters related to the Bidding Documents. The date, time and venue of pre-bid meeting, if convened, is as stipulated in the Bidding Data. All prospective Bidders or their authorized representatives shall be invited to attend such a pre-bid meeting.
- 21.2 The Bidders are requested to submit questions, if any, in writing so as to reach the Purchaser not later than seven (7) days before the proposed pre-bid meeting.
- 21.3 Minutes of the pre-bid meeting, including the text of the questions raised and the replies given, will be transmitted without delay to all purchasers of the Bidding Documents. Any modification of the Bidding Documents listed in Sub-Clause 7.1 hereof which may become necessary as a result of the pre-bid meeting shall be made by the Purchaser exclusively through the issue of an Addendum pursuant to Clause IB.9 and not through the minutes of the pre-bid meeting.
- 21.4 Absence at the pre-bid meeting will not be a cause for disqualification of a Bidder.

IB.22 Format and Signing of Bid

- 22.1 Bidders are particularly directed that the amount entered on the Form of Bid shall be for performing the Contract strictly in accordance with the Bidding Documents.

- 22.2 All Appendices and Schedules to Bid are to be properly completed and signed.
- 22.3 No alteration is to be made in the Form of Bid nor in the Appendices and Schedules thereto except in filling up the blanks as directed. If any such alterations be made or if these instructions be not fully complied with, the bid may be rejected.
- 22.4 Each Bidder shall prepare by filling out the forms completely and without alterations one (1) original and number of copies, specified in the Bidding Data, of the documents comprising the bid as described in Clause IB.7 and clearly mark them "ORIGINAL" and "COPY" as appropriate. In the event of discrepancy between them, the original shall prevail.
- 22.5 The original and all copies of the bid shall be typed or written in indelible ink (in the case of copies, Photostats are also acceptable) and shall be signed by a person or persons duly authorized to sign on behalf of the Bidder pursuant to Sub- Clauses 11.1(a) and 11.2 hereof. All pages of the bid shall be initialled and stamped by the person or persons signing the bid.
- 22.6 The bid shall contain no alterations, omissions or additions, except to comply with instructions issued by the Purchaser, or as are necessary to correct errors made by the Bidder, in which case such corrections shall be initialled by the person or persons signing the bid.
- 22.7 Bidders shall indicate in the space provided in the Form of Bid their full and proper addresses at which notices may be legally served on them and to which all correspondence in connection with their bids and the Contract is to be sent.
- 22.8 Bidders should retain a copy of the Bidding Documents as their file copy.

D. SUBMISSION OF BIDS

IB.23 Sealing and Marking of Bids

- 23.1 Each Bidder shall submit his bid as under:
- (a) ORIGINAL and each copy of the Bid shall be separately sealed and put in separate envelopes and marked as such.
 - (b) The envelopes containing the ORIGINAL and copies will be put in one sealed envelope and addressed/identified as given in Sub- Clause 23.2 hereof.
- 23.2 The inner and outer envelopes shall:
- (a) be addressed to the Purchaser at the address provided in the Bidding Data;
 - (b) bear the name and identification number of the Contract as defined in the Bidding Data; and
 - (c) provide a warning not to open before the time and date for bid opening, as specified in the Bidding Data.

- 23.3 In addition to the identification required in Sub- Clause 23.2 hereof, the inner envelope shall indicate the name and address of the Bidder to enable the bid to be returned unopened in case it is declared “late” pursuant to Clause IB.25
- 23.4 If the outer envelope is not sealed and marked as above, the Purchaser will assume no responsibility for the misplacement or premature opening of the Bid.

IB.24 Deadline for Submission of Bids

- 24.1 (a) Bids must be received by the Purchaser at the address specified no later than the time and date stipulated in the Bidding Data.
- (b) Bids with charges payable will not be accepted, nor will arrangements be undertaken to collect the bids from any delivery point other than that specified above. Bidders shall bear all expenses incurred in the preparation and delivery of bids. No claims will be entertained for refund of such expenses.
- (c) Where delivery of a bid is by mail and the Bidder wishes to receive an acknowledgment of receipt of such bid, he shall make a request for such acknowledgment in a separate letter attached to but not included in the sealed bid package.
- (d) Upon request, acknowledgment of receipt of bids will be provided to those making delivery in person or by messenger.
- 24.2 The Purchaser may, at his discretion, extend the deadline for submission of bids by issuing an amendment in accordance with Clause IB.9, in which case all rights and obligations of the Purchaser and the Bidders previously subject to the original deadline will thereafter be subject to the deadline as extended.

IB.25 Late Bids

- 25.1 (a) Any bid received by the Purchaser after the deadline for submission of bids prescribed in Clause IB.24 will be returned unopened to such bidder.
- (b) Delays in the mail, delays of person in transit, or delivery of a bid to the wrong office shall not be accepted as an excuse for failure to deliver a bid at the proper place and time. It shall be the Bidder’s responsibility to determine the manner in which timely delivery of his bid will be accomplished either in person, by messenger or by mail.

IB.26 Modification, Substitution and Withdrawal of Bids

- 26.1 Any Bidder may modify, substitute or withdraw his bid after bid submission provided that the modification, substitution or written notice of withdrawal is received by the Purchaser prior to the deadline for submission of bids.

- 26.2 The modification, substitution, or notice for withdrawal of any bid shall be prepared, sealed, marked and delivered in accordance with the provisions of Clause IB.23 with the outer and inner envelopes additionally marked “MODIFICATION”, “SUBSTITUTION” or “WITHDRAWAL” as appropriate.
- 26.3 No bid may be modified by a Bidder after the deadline for submission of bids except in accordance with Sub-Clauses 26.1 and 31.2.
- 26.4 Withdrawal of a bid during the interval between the deadline for submission of bids and the expiration of the period of bid validity specified in the Form of Bid may result in forfeiture of the Bid Security in pursuance to Clause IB.19.

E. BID OPENING AND EVALUATION

IB.27 Bid Opening

- 27.1 The Purchaser will open the bids, including withdrawals, substitution and modifications made pursuant to Clause IB.26, in the presence of Bidders’ representatives who choose to attend, at the time, date and location stipulated in the Bidding Data. The Bidders’ representatives who are present shall sign a register evidencing their attendance.
- 27.2 Envelopes marked “MODIFICATION”, “SUBSTITUTION” or “WITHDRAWAL” shall be opened and read out first. Bids for which an acceptable notice of withdrawal has been submitted pursuant to Clause IB.26 shall not be opened.
- 27.3 The Bidder’s name, total Bid Price and price of any Alternate Proposal(s), any discounts, bid modifications, substitution and withdrawals, the presence or absence of Bid Security, and such other details as the Purchaser may consider appropriate, will be announced by the Purchaser at the opening of bids.
- 27.4 Purchaser shall prepare minutes of the bid opening, including the information disclosed to those present in accordance with the Sub-Clause 27.3.

IB.28 Process to be Confidential

- 28.1 Information relating to the examination, clarification, evaluation and comparison of bid and recommendations for the award of a Contract shall not be disclosed to Bidders or any other person not officially concerned with such process before the announcement of bid evaluation report which shall be done at least ten (10) days prior to issue of Letter of Acceptance. The announcement to all Bidders will include table(s) comprising read out prices, discounted prices, price adjustments made, final evaluated prices and recommendations against all the bids evaluated. Any effort by a Bidder to influence the Purchaser’s processing of bids or award decisions may result

in the rejection of such Bidder's bid. Whereas any Bidder feeling aggrieved may lodge a written complaint not later than fifteen (15) days after the announcement of the bid evaluation report; however mere fact of lodging a complaint shall not warrant suspension of the procurement process.

IB.29 Clarification of Bids

29.1 To assist in the examination, evaluation and comparison of bids, the Purchaser may, at his discretion, ask any Bidder for clarification of his bid, including breakdowns of unit rates. The request for clarification and the response shall be in writing but no change in the price or substance of the bid shall be sought, offered or permitted except as required to confirm the correction of arithmetic errors discovered by the Purchaser in the evaluation of the bids in accordance with Clause IB.32.

IB.30 Examination of Bids and Determination of Responsiveness

30.1 Prior to the detailed evaluation of bids, the Purchaser will determine whether each bid is substantially responsive to the requirements of the Bidding Documents.

30.2 A substantially responsive bid is one which (i) meets the eligibility criteria; (ii) has been properly signed; (iii) is accompanied by the required Bid Security; and (iv) conforms to all the terms, conditions and specifications of the Bidding Documents, without material deviation or reservation. A material deviation or reservation is one (i) which affect in any substantial way the scope, quality or performance of the Goods; (ii) which limits in any substantial way, inconsistent with the Bidding Documents, the Purchaser's rights or the Bidder's obligations under the Contract; or (iii) adoption/rectification whereof would affect unfairly the competitive position of other Bidders presenting substantially responsive bids.

30.3 If a bid is not substantially responsive, it will be rejected by the Purchaser, and may not subsequently be made responsive by correction or withdrawal of the non-conforming deviation or reservation.

IB.31 Correction of Errors

31.1 Bids determined to be substantially responsive will be checked by the Purchaser for any arithmetic errors. Errors will be corrected by the Purchaser as follows:

- (a) where there is a discrepancy between the amounts in figures and in words, the amount in words will govern; and
- (b) where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will govern, unless in the opinion of the Purchaser there is an obviously gross misplacement of the decimal point in the unit rate, in which case the line item total as quoted will govern and the unit rate will be corrected.

- 31.2 The amount stated in the Form of Bid will be adjusted by the Purchaser in accordance with the above procedure for the correction of errors and with the concurrence of the Bidder, shall be considered as binding upon the Bidder. If the Bidder does not accept the corrected Bid Price, his Bid will be rejected, and the Bid Security shall be forfeited in accordance with Sub-Clause 19.6(b) hereof.

IB.32 Evaluation and Comparison of Bids

- 32.1 The Purchaser will evaluate and compare only the Bids determined to be substantially responsive in accordance with Clause IB.30.
- 32.2 In evaluating the Bids, the Purchaser will determine for each Bid the evaluated Bid Price by adjusting the Bid Price as follows:
- (a) Making any correction for errors pursuant to Clause IB.31;
 - (b) Excluding Provisional Sums and the provision, if any, for contingencies; and
 - (c) making an appropriate adjustment for any other acceptable variation or deviation from specification or performance criteria
- 32.3 The estimated effect of the price adjustment provisions of the Conditions of Contract, applied over the period of execution of the Contract, shall not be taken into account in Bid evaluation.
- 32.4 If the Bid of the successful Bidder is seriously unbalanced in relation to the Purchaser's estimate of the cost of Goods to be delivered under the Contract, the Purchaser may require the Bidder to produce detailed price analyses for any or all items of the Price Schedules to demonstrate the internal consistency of those prices with the manufacturing methodology and schedule proposed. After evaluation of the price analyses, the Purchaser may require that the amount of the Performance Security set forth in Clause IB.37 be increased at the expense of the successful Bidder to a level sufficient to protect the Purchaser against financial loss in the event of default of the successful bidder under the Contract.

IB.33 Post Qualification of the Bidder

- 33.1 The Purchaser shall determine to its satisfaction whether the Bidder that is selected as having submitted the lowest evaluated and substantially responsive Bid is qualified to perform the Contract satisfactorily
- 33.2 The determination shall be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder. In this context the purchase may evaluate the manufacturing facilities and machinery / equipment/mahine tools installed in the maunfcaturing unit or factory to examine the capability of the bidder to manufacture the machinery and equipment specified in the BOQ.

- 33.3 An affirmative determination shall be a prerequisite for award of the Contract to the Bidder. A negative determination shall result in disqualification of the Bid, in which event the Purchaser shall proceed to the next lowest evaluated bid to make a similar determination of that Bidder's capabilities to perform satisfactorily.

F. AWARD OF CONTRACT

IB.34 Award

- 34.1 Subject to Clauses IB.35 and IB.39, the Purchaser will award the Contract to the Bidder whose bid has been determined to be substantially responsive to the Bidding Documents and who has offered the lowest evaluated Bid Price, provided that such Bidder has been determined to be eligible in accordance with the provisions of Clause IB.3 and qualify pursuant to Sub-Clause IB 33.2.
- 34.2 The Purchaser, at any stage of the bid evaluation, having credible reasons for or *prima facie* evidence of any defect in supplier's or contractor's capacities, may require the suppliers or contractors to provide information concerning their professional, technical, financial, legal or managerial competence whether already pre-qualified or not:

Provided that such qualification shall only be laid down after recording reasons therefor in writing. They shall form part of the records of that bid evaluation report.

IB.35 Purchaser's Right to Accept any Bid and to Reject any or all Bids

- 35.1 Notwithstanding Clause IB.34, the Purchaser reserves the right to accept or reject any Bid, and to annul the bidding process and reject all bids, at any time prior to award of Contract, without thereby incurring any liability to the affected Bidders or any obligation except that the grounds for rejection of all bids shall upon request be communicated to any Bidder who submitted a bid, without justification of grounds. Rejection of all bids shall be notified to all Bidders promptly.
- 35.2 At the time the Contract is awarded, the Purchaser reserves the right to increase or decrease the quantity of Goods originally specified in Delivery and Completion Schedules, provided this does not exceed the percentages indicated in the Bidding Data, and without any change in the unit prices or other terms and conditions of the Bid and the Bidding Document.

IB.36 Notification of Award

- 36.1 Prior to expiration of the period of bid validity prescribed by the Purchaser, the Purchaser will notify the successful Bidder in writing ("Letter of Acceptance") that his Bid has been accepted. This letter shall name the sum which the Purchaser will pay the Contractor in consideration of the delivery of Goods by the Contractor as prescribed by the Contract (hereinafter and in the Conditions of Contract called the "Contract Price").

- 36.2 No Negotiation with the Bidder having evaluated as lowest responsive or any other Bidder shall be permitted, however, Purchaser may seek clarification in writing to clarify any item in the bid evaluation report; and response of the Bidder shall also be in writing.
- 36.3 The notification of award and its acceptance by the Bidder will constitute the formation of the Contract, binding the Purchaser and the Bidder till signing of the formal Contract Agreement.
- 36.3 Upon furnishing by the successful Bidder of a Performance Security, the Purchaser will promptly notify the other Bidders that their Bids have been unsuccessful and return their bid securities.

IB.37 Performance Security

- 37.1 The successful Bidder shall furnish to the Purchaser a Performance Security in the form and the amount stipulated in the Bidding Data and the Conditions of Contract within a period of 28 days after the receipt of Letter of Acceptance.
- 37.2 Failure of the successful Bidder to comply with the requirements of Sub-Clause IB.37.1 or Clauses IB.38 or IB.40 shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security.

IB.38 Signing of Contract Agreement

- 38.1 Within 14 days from the date of furnishing of acceptable Performance Security under the Conditions of Contract, the Purchaser will send the successful Bidder the Contract Agreement in the form provided in the Bidding Documents, incorporating all agreements between the parties.
- 38.2 The formal Agreement between the Purchaser and the successful Bidder shall be executed within 14 days of the receipt of the Contract Agreement by the successful Bidder from the Purchaser.

IB.39 General Performance of the Bidders

The Purchaser reserves the right to obtain information regarding performance of the bidders on their previously awarded contracts. The Purchaser may in case of consistent poor performance of any Bidder as reported by the purchasers of the previously awarded contracts, interalia, reject his bid and proceed in accordance with Rule 19 of the PPRA Rules 2014 to take such action as may be deemed appropriate under the circumstances of the case including black listing of such Bidder and debarring him from participation in future bidding for supply of Goods.

IB.40 Integrity Pact

The Bidder shall sign and stamp the Integrity Pact provided at Appendix-G to Bid in the Bidding Documents for all Federal Government procurement contracts exceeding Rupees ten million. Failure to provide such Integrity Pact shall make the bidder non-responsive.

IB.41 Instructions not Part of Contract

Bids shall be prepared and submitted in accordance with these Instructions which are provided to assist Bidders in preparing their bids, and do not constitute part of the Bid or the Contract Documents.

IB.42 Margin of Preference

Unless otherwise specified in the Bidding Data, no margin of preference shall apply.

[Domestic Preference shall be applicable in case of International Competitive Bidding as per policy of the government, in accordance with the procedure given in the Bidding Data.]

**BIDDING
DATA**

Bidding Data

Instructions to Bidders

Clause Reference

1.1 Name and address of the Purchaser:

MunicipalCommittee Jhelum

Address: Office of the Municipal Committee Civil Line Jhelum

Telephone: 0544-920098 Fax: _____

E-mail: municipalcommitteejhelum@gmail.com

Summary of Machinery / Equipment to be procured:

Supply of Machinery & Equipment for Improvement of Solid Waste Management in Jhelum City as per specification provided in bidding document as per attached list.

Lot-I

S.No	Name Of Machinery	No. of Vehicles
1.	Wheel Excavator	01

1.7 The bidding is open to National competition as per policy of the government

2.1 Source of Funding:
Government of the Punjab through World Bank funding

3.1 This invitation for bids is open to all bidders meeting the requirements of Part-IV (Qualification Criteria)

8.1 Time limit for clarification:
2 working days prior to date of pre-bid meeting.

10.1 Bid language:
English

11.1(c) Furnish Technical Proposal:

The bidder shall submit a technical proposal in sufficient detail to demonstrate the adequacy of the bid meeting requirements for timely delivery of Goods i.e supply of Goods. The following documents shall be furnished by the supplier along with Technical Proposal.

- Company Brochure

- Product Brochure/Literature
- Detailed Specifications
- Quality Standards
- Certification of quality

13.1 Currencies of Bid and Payment:

Bidders shall quote their bid price entirely in Pak. Rupees.

18.1 Period of Bid Validity:

Validity of Bid shall be **90-days** from date of opening of Bids.

19.1 Amount of Bid Security:

Bid security should be Rs. **2.143/- Million** (Bid Security is in line with PPRA Rule-27) in the form of a Bank Draft or an irrevocable encashable on-demand Bank Call Deposit in favor of Chief Officer , Municipal Committee Jhelum.

21.1 Venue, time, and date of the pre-Bid meeting:

Office of the Chief Officer Municipal Committee Jhelum

Address:

Telephone: 0544-920141 Fax: _____

E-mail: municipalcommitteejhelum@gmail.com

Venue: Office of the Municipal Committee Civil Line Jhelum

Time & Date: **23-01-2023** at **12:00 Noon**

22.4 Number of copies of the Bid to be completed and returned:

One original and two copies.

23.2(a) Purchaser's address for the purpose of Bid submission:

Municipal Committee Jhelum Office

Address: _____

Telephone: 0544-920098 Fax: _____

E-mail: municipalcommitteejhelum@gmail.com

23.2(b) Name and Number of the Contract:

Supply of solid waste Machinery & Equipment and fabrication of super structures on Vehicle's Chassis supplied by the Purchaser for Wazirabad City

24.1(a) Deadline for submission of bids:

Time & Date: **24-01-2023** at **12:00 P.M**

27.1 Venue, time, and date of Bid opening:

Venue: **Office Of The Chief Officer Municipal Committee Jhelum**

Time & Date: **24-01-2023** at **12:30 P.M**

35.2 The percentage increase or decrease in the final contract price shall not exceed 15% of the original contract price.

37.1 Standard form and amount of Performance Security acceptable to the Purchaser:
Ten percent (10%) Performance Security in the shape of bank guarantee, a bank guarantee has to be unconditional as given in the sample form given with the bidding document.

QUALIFICATION CRITERIA

QUALIFICATION CRITERIA

All the Bidders to please note that as per PPRA Rules and Regulations, all the documents/statements submitted by a Supplier/Company for its Technical Qualification are under Oath.

Any document/statement provide if proved false, misstated, concocted, or incorrect at any time during or after Technical Evaluation will result into permanent disqualification and black listing of the Supplier/Company/Partners with their names displayed on PPRA website.

PASS MARKS: Technical Qualification shall be decided on the base of Pass/Fail basis. The bidder must secure at **least 75%** score in overall.

The Firms/Contractors who have duly complied with the Qualification and Evaluation Criteria against each item will be eligible for further processing.

The proposals shall be evaluated by the technical evaluation committee in the light of following evaluation criteria:

A. MANDATORY DOCUMENTS

Category	Description	Requirement/Points
Legal (Mandatory)	Certificate of Company/Firm Registration/Incorporation under the laws of Pakistan	Mandatory
	Valid Income Tax Registration	Mandatory
	Valid Sales Tax Registration	Mandatory
	Submission of undertaking on legal valid and attested stamp paper that the firm is not blacklisted and not involve in litigation with any of Provincial or Federal Government Department, Agency, Organization or autonomous body anywhere in Pakistan. In case involved in any litigation process, proof of dispute resolution is required.	Mandatory

B. QUALIFICATION CRITERIA FOR TECHNICAL SCORES

Technical Evaluation will be based on the criteria given in succeeding par as regarding the Bidder's General Experience, Specific Experience, Personnel Capabilities and Equipment Capabilities as demo by the Bidder's responses in the forms attached to this letter. The Procuring Agency reserves the right to waive minor deviations, if these don't materially affect the capability of a Bidder to perform the contract. Sub-contractor's experience and resources shall not be taken into account in determining the Bidder's compliance with the qualifying criteria. However, Joint Venture experience & resources shall be considered. Consortium or Association of firms will be considered for similar treatment as in case of Joint Venture. The detailed qualification criteria are provided for Technical Evaluation as follows:

Sr. No.	Category	Weightage/Marks
1.	General & Relevant Experience	40
2.	Personnel Capabilities	10
3.	Manufacturing plant and Equipment Capabilities	25
4.	Financial Soundness	25
	Total:	100

The further detailed criteria for each category may be developed as given under the each head as follows:

B.1 General & Relevant Experience

Credit Marks shall be awarded on the basis of the following criteria:

Sr.No.	Description	Maximum Marks
i)	Projects of similar nature and complexity Min Cost 30 Million each completed over latest 05 years. (Max 05-projects)	20
ii)	Projects of similar nature and complexity Min Cost 30 Million in hand. (Max 05-projects)	15
iii)	Registration with Pakistan Engineering Council	5
	Sub-total:	40

B.2 Personnel Capabilities

Credit Marks shall be awarded under this category using the following criteria:

Sr.No.	Description	Maximum Points
i)	Graduate Engineers Registered with PEC	
	a) Number of Engineers (Max 2-Nos)	4
	b) Experience of Engineers in number of years	2
	Number of Diploma Engineers in Employment of the Firm	
	a) Number of Engineers (Max 2-Nos)	2
	b) Experience of Engineers in number of Years.	2
	Sub-total:	10

B.3 Equipment Capabilities

Credit Marks shall be granted on the basis of the following criteria for various kinds of equipment relevant for the Project:

Sr. No	Equipment Type and Characteristics	Maximum Marks
a	Maximum 10 relevant tools, plants and machines in the factory used for the fabrication of solid waste machinery & Equipment	15
b	Covered space used for fabrication of the machinery & equipment- Half point for 2000 sq. yards (maximum 4000 Sq. Yards)	5
c	Galvanizing facility capable to galvanise the steel products as per BS EN ISO 1461	5
	Sub-total:	25

B.4 Financial Position

Credit Marks shall be awarded on the basis of the following criteria:

Sr.No.	Description	Maximum Marks
i)	Average Annual Sales for last three (3) years (Max 150 million PKR)	6
ii)	Working Capital of last three (3)years (Max 100 million PKR)	8
iii)	Net Income of last three (3) years (50 million PKR)	6
iv)	Income Tax & Sale Tax Registration and Active tax payer in FBR	5
	Sub-total:	25

Note: Verifiable documentary proof for all above requirement and criteria point are mandatory requirements and marks will be awarded on the basis of these verifiable proofs.

C. SPECIFICATIONS

The Firm / contractor shall strictly comply with the specifications of Machinery / Equipment provided in Bidding Documents. The Firm / contractor shall provide detailed specifications / brochures / brand names / orgion of their Machinery / Equipment in Technical Bid. In case of missing detail specification or providing imbiguous information, the bidder will be technical disqualified.

BID EVALUATION CRITERIA

Bidders meeting the minimum requirements mentioned in Para-B besides other factors shall be considered for Technical Qualification. No compromise shall be made on minimum requirements of 75 % score in overall.

**FORM OF BID
AND
APPENDICES TO BID**

Form of Bid

Date: _____

Bid Reference No. _____
(Name of Contract)

To:
Chief Officer
Municipal Committee Jhelum

Dear Sir,

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Document, including Addenda No.: __;
- (b) We offer to supply / Fabricate, in conformity with the Bidding Documents, and in accordance with the Delivery and Completion Schedule, the Machinery & Equipment as given in the Bill of Quantities /Bid Schedule;
- (c) The total price of our Bid, excluding any discounts offered in item (d) below is: _____
_____;
- (d) The discounts offered and the methodology for their application are: _____

_____;
- (e) Our Bid shall be valid for a period of _____ days from the date fixed for the bid submission deadline in accordance with the Bidding Document, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (f) If our Bid is accepted, we commit to submit to you a Performance Security in the amount of Ten percent (10%) of the Contract Price for the due performance of the Contract;
- (g) Our firm, including any subcontractors or suppliers for any part of the Contract, have nationalities from the following eligible countries _____;
- (h) We are not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Document;
- (i) Our firm, its affiliates or subsidiaries, including any subcontractors or suppliers for any part of the Contract, has not been declared ineligible by the Purchaser;

- (j) We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed.
- (k) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.
- (l) We agree to permit the Purchaser or its representative to inspect our accounts and records and other documents relating to the bid submission and to have them audited by auditors appointed by the Bank.

Name _____

In the capacity of _____

Signed _____

Duly authorized to sign the Bid for and on behalf of _____

Date _____

Witness:

Name: _____

Signature: _____

Address: _____

Occupation: _____

Appendix-A to Bid

METHOD OF ASSURING QUALITY OF MCHINERY / EQUIPMENT

[The Bidder is required to submit a narrative outlining the method of assuring quality of Goods. The narrative should indicate in detail and include but not be limited to:

1. Organization Chart indicating head office and field office personnel involved in quality assurance.
2. Mobilization in Pakistan, the type of facilities including personnel accommodation, office accommodation, provision for maintenance and for storage, communications, security and other services to be used.
3. The location of factory or manufacturing plant, area of building used for manufacturing, detail of all type of machinery and equipment used in manufacturing of the superstructures, solid waste machinery and equipment, detail of the galvanizing facility available in the factory / manufacturing plant beyond 100 micron thickness and detail of the testing facilities of the machinery & equipment manufactured.
4. The procedures for transportation of Goods to delivery site.
5. Validity of ISO 9001:2008 certificate or latest. Copy of ISO certificate to be enclosed.
6. Proof of product with respect to industry standard product compliance (details to be provided).
7. Conformance to Health and Safety laws in Pakistan.

**Appendix-B to Bid
Sheet 1 of 2**

LIST OF QUALITY CONTROL/LABORATORY EQUIPMENTS

[The Bidder will provide, in the table bgiven below, a list of all equipment and related items, under separate heading for items owned, to be purchased or to be arranged on lease by him to carry out the quality control tests. The information shall include make, type, capacity, and anticipated period of utilization for all equipment which shall be in sufficient detail to demonstrate fully that the equipment will meet all requirements of the Specifications.]

Owned Purchased or Leased	Description of Unit (Make, Model, Year)	Purpose of Utilization	Condition	Present Location or Source	Date of Availability	Period of Utilization
1	2	3	4	5	6	7
a. Owned						
b. To be Purchased						
c. To be arranged on Lease						

Appendix-C to Bid

LIST OF MANUFACTURERS / SUBCONTRACTORS

I/We intend to supply Goods from the following manufactures or engage the following subcontractors for supply of Goods. In my/our opinion, the manufacturers/ subcontractors named hereunder are reliable and competent to supply of Goods for which each is listed.

Enclosed are documentation outlining experience of manufacturers/subcontractors, the curriculum vitae and experience of their key personnel who will be assigned to the Contract, Goods to be supplied or transportation to be done, size, location and type of contracts performed in the past.

Description of Mchinery / Equipment (Give Details)	Manufacturers/Subcontractors (With Complete Address)
1	2

Note:

In case, the Bidder is itself either manufacturer or transporter or both, the above table should be filled and requisite documentation be submitted accordingly.

Appendix-D to Bid

ORGANIZATION CHART FOR SUPERVISORY STAFF AND LABOUR

The Bidder shall provide organization charts for:

1. Manufacture of Machinery / Equipment in its manufacturing plants/workshop.
2. Transportation of Machinery / Equipment from source (Ware House) to delivery point.
3. The staff to deal with the contractual and other related matters with the Purchaser.
4. A training schedule at sites for operation of Machinery / Equipment.

**Appendix-E to Bid
(INTEGRITY PACT)**

**DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC.
PAYABLE BY THE SUPPLIERS OF GOODS, SERVICES & WORKS IN
CONTRACTS WORTH RS. 10.00 MILLION OR MORE**

Contract No. _____ Dated _____
Contract Value: *[To be filled in at the time of signing of Contract]*
Contract Title: _____

..... [name of Supplier] hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Pakistan (GoP) or any administrative subdivision or agency thereof or any other entity owned or controlled by GoP through any corrupt business practice.

Without limiting the generality of the foregoing, [name of Supplier] represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP, except that which has been expressly declared pursuant hereto.

[name of Supplier] certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with GoP and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

[name of Supplier] accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other rights and remedies available to GoP under any law, contract or other instrument, be voidable at the option of GoP.

Notwithstanding any rights and remedies exercised by GoP in this regard, [name of Supplier] agrees to indemnify GoP for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to GoP in an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by [name of Supplier] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP.

Name of Buyer:

Name of Seller/Supplier:

Signature:

[Seal]

Signature:

[Seal]

**Appendix-F to Bid
MANUFACTURER'S AUTHORIZATION**

Date: _____

Bid Reference No.: _____

Invitation for Bid No.: _____

To: _____

WHEREAS _____ who are official manufacturers of _____ having factories at _____ do hereby authorize _____ to submit a Bid in relation to the Invitation for Bids indicated above, the purpose of which is to provide the following Goods, manufactured by us _____ and to subsequently negotiate and sign the Contract.

We hereby extend our full guarantee and warranty in accordance with Clause 28 of the General Conditions of Contract, with respect to the Goods offered by the above firm in reply to this Invitation for Bids

Name _____

In the capacity of: _____

Signed _____

Duly authorized to sign the Authorization for and on behalf of _____

Date _____

**Appendix-G to Bid
DELIVERY AND COMPLETION SCHEDULE**

The delivery period shall start as of _____.

Item No.	Description of Machinery / Equipment	Delivery Schedule (Duration)	Location	Required Arrival Date of Machinery / Equipment

STANDARD FORMS

**BID SECURITY
PERFORMANCE SECURITY
CONTRACT AGREEMENT
ADVANCE PAYMENT SECURITY**

FORM OF BID SECURITY
(Bank Guarantee)

Security Executed on _____
(Date)

Name of Surety (Bank) with Address: _____
(Scheduled Bank in Pakistan)

Name of Principal (Bidder) with Address _____

Penal Sum of Security Rupees. _____ (Rs. _____)

Bid Reference No. _____

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the terms of the Bid and at the request of the said Principal (Bidder) we, the Surety above named, are held and firmly bound unto

_____ (Hereinafter called the 'Purchaser') in the sum stated above for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Bidder has submitted the accompanying Bid dated _____ for Bid No. _____ for _____ (Particulars of Bid) to the said Purchaser; and

WHEREAS, the Purchaser has required as a condition for considering said Bid that the Bidder furnishes a Bid Security in the above said sum from a Scheduled Bank in Pakistan or from a foreign bank duly counter-guaranteed by a Scheduled Bank in Pakistan, to the Purchaser, conditioned as under:

- (1) that the Bid Security shall remain in force up to and including the date 28 days after the deadline for validity of bids as stated in the Instructions to Bidders or as it may be extended by the Purchaser, notice of which extension(s) to the Surety is hereby waived;
- (2) That the Bid Security of unsuccessful Bidders will be returned by the Purchaser after expiry of its validity or upon signing of the Contract Agreement; and
- (3) that in the event of failure of the successful Bidder to execute the proposed Contract Agreement and furnish the required Performance Security, the entire said sum be paid immediately to the said Purchaser pursuant to Clause 19.6 of the Instruction to Bidders for the successful Bidder's failure to perform.

NOW THEREFORE, if the successful Bidder shall, within the period specified therefor, on the prescribed form presented to him for signature enter into a formal Contract with the said Purchaser in accordance with his Bid as accepted and furnish within twenty eight (28) days of his being requested to do so, a Performance

Security with good and sufficient surety, as may be required, upon the form prescribed by the said Purchaser for the faithful performance and proper fulfilment of the said Contract or in the event of non-withdrawal of the said Bid within the time specified for its validity then this obligation shall be void and of no effect, but otherwise to remain in full force and effect.

PROVIDED THAT the Surety shall forthwith pay the Purchaser the said sum upon first written demand of the Purchaser (without cavil or argument) and without requiring the Purchaser to prove or to show grounds or reasons for such demand, notice of which shall be sent by the Purchaser by registered post duly addressed to the Surety at its address given above.

PROVIDED ALSO THAT the Purchaser shall be the sole and final judge for deciding whether the Principal (Bidder) has duly performed his obligations to sign the Contract Agreement and to furnish the requisite Performance Security within the time stated above, or has defaulted in fulfilling said requirements and the Surety shall pay without objection the said sum upon demand from the Purchaser forthwith and without any reference to the Principal (Bidder) or any other person.

IN WITNESS WHEREOF, the above bounden Surety has executed the instrument under its seal on the date indicated above, the name and seal of the Surety being hereto affixed and these presents duly signed by its undersigned representative pursuant to authority of its governing body.

	SURETY (Bank)
WITNESS:	Signature _____
1. _____	Name _____
_____	Title _____
Corporate Secretary (Seal)	Corporate Guarantor (Seal)
2. _____	

Name, Title & Address	

**FORM OF PERFORMANCE SECURITY
(Bank Guarantee)**

Guarantee No. _____

Executed on _____

Expiry date _____

[Letter by the Guarantor to the Purchaser]

Name of Guarantor (Bank) with address: _____
(Scheduled Bank in Pakistan)

Name of Principal (Supplier/Contractor) with address: _____

Penal Sum of Security (express in words and figures) _____

Letter of Acceptance No. _____ Dated _____

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the terms of the Bidding Documents and above said Letter of Acceptance (hereinafter called the Documents) and at the request of the said Principal we, the Guarantor above named, are held and firmly bound unto the _____ (hereinafter called the Purchaser) in the penal sum of the amount stated above for the payment of which sum well and truly to be made to the said Purchaser, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal has accepted the Purchaser's above said Letter of Acceptance for _____ (Name of Contract) for the _____ (Name of Project).

NOW THEREFORE, if the Principal (Supplier/Contractor) shall well and truly perform and fulfill all the undertakings, covenants, terms and conditions of the said Documents during the original terms of the said Documents and any extensions thereof that may be granted by the Purchaser, with or without notice to the Guarantor, which notice is, hereby, waived and shall also well and truly perform and fulfill all the undertakings, covenants terms and conditions of the Contract and of any and all modifications of said Documents that may hereafter be made, notice of which modifications to the Guarantor being hereby waived, then, this obligation to be void; otherwise to remain in full force and virtue till all requirements of Clause 28, Warrenty, of Conditions of Contract are fulfilled.

Our total liability under this Guarantee is limited to the sum stated above and it is a condition of any liability attaching to us under this Guarantee that the claim for payment in writing shall be received by us within the validity period of this Guarantee, failing which we shall be discharged of our liability, if any, under this Guarantee.

We, _____ (the Guarantor), waiving all objections and defences under the Contract, do hereby irrevocably and independently guarantee to pay to the Purchaser without delay upon the Purchaser's first written demand without cavil or arguments and without requiring the Purchaser to prove or to show grounds or reasons for such demand any sum or sums up to the amount stated above, against the Purchaser's written declaration that the Principal has refused or failed to perform the obligations under the Contract which payment will be effected by the Guarantor to Purchaser's designated Bank & Account Number.

PROVIDED ALSO THAT the Purchaser shall be the sole and final judge for deciding whether the Principal (Contractor) has duly performed his obligations under the Contract or has defaulted in fulfilling said obligations and the Guarantor shall pay without objection any sum or sums up to the amount stated above upon first written demand from the Purchaser forthwith and without any reference to the Principal or any other person.

IN WITNESS WHEREOF, the above-bounden Guarantor has executed this Instrument under its seal on the date indicated above, the name and corporate seal of the Guarantor being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

Guarantor (Bank)

Witness:

1. _____

Signature _____

Corporate Secretary (Seal)

Name _____

Title _____

2. _____

Name, Title & Address

Corporate Guarantor (Seal)

FORM OF CONTRACT AGREEMENT

THIS AGREEMENT made on the _____ day of _____, 20____, between _____ of _____ (hereinafter “the Purchaser”), of the one part, and _____ of _____ (hereinafter called “the Supplier”), of the other part:

WHEREAS the Purchaser invited bids for certain Goods viz., _____ and has accepted a Bid by the Supplier for the supply of those Goods in the sum of _____ (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 hereinafter referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:
 - (a) The Letter of Award of Contract;
 - (b) The Form of Bid;
 - (c) The Bill of Quantities with quoted rates;
 - (d) The Particular Conditions of Contract; Part-II
 - (e) The General Conditions of Contract; Part-I
 - (f) Appendices to Bid;
 - (g) Specifications;
 - (h) Drawings; and
 - (i) Any other Item

This Contract shall prevail over all other Contract documents. In the event of any discrepancy or inconsistency within the Contract documents, then the documents shall prevail in the order listed above.

3. In consideration of the payments to be made by the Purchaser to the Supplier as indicated in this Agreement, the Supplier hereby covenants with the Purchaser to provide the Goods and to remedy defects therein in conformity in all respects with the provisions of the Contract.
4. The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the Goods 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 the parties hereto have caused this Agreement to be executed in accordance with the laws of _____ on the day, month and year indicated above.

Signature of the Supplier

(Seal)

Signature of the Purchaser

(Seal)

Signed, Sealed and Delivered in the presence of:

Witness:

(Name, Title and Address)

Witness

(Name, Title and Address)

General Conditions of Contract

General Conditions of Contract

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1. Definitions

1.1 The following words and expressions shall have the meanings hereby assigned to them:

- (a) “Contract” means the Agreement entered into between the Purchaser and the Supplier, together with the Contract Documents referred to therein, including all attachments, appendices, schedules and all documents incorporated by reference therein.
- (b) “Contract Documents” means the documents listed in the Agreement, including any amendments thereto.
- (c) “Contract Price” means the price payable to the Supplier as specified in the Agreement, subject to such additions and adjustments thereto or deductions therefrom, as may be made pursuant to the Contract.
- (d) “Day” means calendar day.
- (e) “Delivery” means the transfer of the Goods from the Supplier to the Purchaser in accordance with the terms and conditions set forth in the Contract.
- (f) “Completion” means the fulfillment of the supply of Goods by the Supplier in accordance with the terms and conditions set forth in the Contract.
- (g) “Eligible Countries” means the countries as per Appendix-A.
- (h) “GCC” means the General Conditions of Contract.
- (i) “Goods” means all of the commodities, raw material, machinery and equipment, and/or other materials that the Supplier is required to supply to the Purchaser under the Contract.
- (j) “Purchaser’s Country” is the country specified in the Particular Conditions of Contract (PCC).
- (k) The “Purchaser” means the Employer who is the entity purchasing the Goods, as specified in the PCC, and includes the legal successors or assigns of the Purchaser.
- (l) “PCC” means the Particular Conditions of Contract.
- (m) “Subcontractor” means any natural person, private or government entity or a combination of the above, including its legal successors or permitted assigns, to whom any part of the Goods to be supplied is subcontracted by the Supplier.
- (n) “Supplier” means the natural person, private or government entity, or a combination of the above, whose bid to perform the Contract has been accepted by the Purchaser

and is named as such in the Agreement, and includes the legal successors or permitted assigns of the Supplier.

- (o) "Time for Delivery" where applicable, means the time named in the PCC.
- (p) "Traing" where applicable, means the traing named in the PCC.
- (q) "Spare Parts" where applicable, means the Spare Parts named in the PCC.

2. Contract Document

Subject to the order of precedence set forth in the Agreement, all documents forming the Contract (and all parts thereof) are intended to be correlative, complementary, and mutually explanatory.

3. Corrupt and Fraudulent Practices

- (a) For the purposes of this provision, the term "Corrupt and Fraudulent Practices" includes the offering, giving, receiving, or soliciting of any thing of value to influence the action of a public official or the supplier or contractor in the procurement process or in contract execution to the detriment of the procuring agencies; or misrepresentation of facts in order to influence a procurement process or the execution of a contract, collusive practices among bidders (prior to or after bid submission) designed to establish bid prices at artificial, non-competitive levels and to deprive the procuring agencies of the benefits of free and open competition and any request for, or solicitation of anything of value by any public official in the course of the exercise of his duty.

- (b) The Purchaser will reject a proposal for award if it determines that the bidder recommended for award has, directly or through an agent, engaged in corrupt and fraudulent practices in competing for the Contract.

3.2 The Supplier shall permit the Purchaser 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 Purchaser, if so required by the Purchaser.

4. Interpretation

4.1 If the context so requires it, singular means plural and vice versa wher the context requires.

4.2 Incoterms

The meaning of any trade term and the rights and obligations of parties thereunder shall be as prescribed by Incoterms.

- (a) EXW, CIF, DDP, and other similar terms, shall be governed by the rules prescribed in the current edition of Incoterms, published by the International Chamber of Commerce at the date of the Invitation for Bids or as specified in the PCC.

4.3 Entire Agreement

The Contract constitutes the entire agreement between the Purchaser and the Supplier and supersedes all communications, negotiations and agreements (whether written or oral) of parties with respect thereto made prior to the date of Contract.

4.4 Amendment

No amendment or other variation of the Contract shall be valid unless it is in writing, is dated, expressly refers to the Contract, and is signed by a duly authorized representative of each party thereto.

4.5 Nonwaiver

- (a) Subject to GCC Sub-Clause 4.5(b) below, no relaxation, forbearance, delay, or indulgence by either party in enforcing any of the terms and conditions of the Contract or the granting of time by either party to the other shall prejudice, affect, or restrict the rights of that party under the Contract, neither shall any waiver by either party of any breach of Contract operate as waiver of any subsequent or continuing breach of Contract.
- (b) Any waiver of a party's rights, powers, or remedies under the Contract must be in writing, dated, and signed by an authorized representative of the party granting such waiver, and must specify the right and the extent to which it is being waived.

4.6 Severability

If any provision or condition of the Contract is prohibited or rendered invalid or unenforceable, such prohibition, invalidity or unenforceability shall not affect the validity or enforceability of any other provisions and conditions of the Contract.

5. Language

- 5.1 The Contract as well as all correspondence and documents relating to the Contract exchanged by the Supplier and the Purchaser, shall be written in the language specified in the

PCC. Supporting documents and printed literature that are part of the Contract may be in another language provided they are accompanied by an accurate translation of the relevant passages in the language specified in the PCC, in which case, for purposes of interpretation of the Contract, this translation shall govern.

5.2 The Supplier shall bear all costs of translation to the governing language and all risks of the accuracy of such translation.

6. Joint Venture, Consortium or Association

6.1 Unless otherwise specified in the PCC, if the Supplier is a joint venture, consortium, or association, all of the parties shall be jointly and severally liable to the Purchaser for the fulfillment of the provisions of the Contract and shall designate one party to act as a leader with authority to bind the joint venture, consortium, or association. The composition or the constitution of the joint venture, consortium, or association shall not be altered without the prior consent of the Purchaser.

7. Eligibility

7.1 The Supplier and its Subcontractors shall have the nationality of an Eligible Country in case of International Competitive Bidding but only of Pakistan in case National Competitive Bidding. A Supplier or Subcontractor shall be deemed to have the nationality of a country if it is a citizen or constituted or incorporated, and operates in conformity with the provisions of the laws of that country.

7.2 All Goods to be supplied under the Contract and financed by the Purchaser shall have their origin in Eligible Countries. For the purpose of this Clause, origin means the country where the goods have been grown, mined, cultivated, produced, manufactured, or processed; or through manufacture, processing, or assembly, another commercially recognized article results that differs substantially in its basic characteristics from its imported components.

8. Notices

8.1 Any Notice given by one party to the other pursuant to the Contract shall be in writing to the address specified in the PCC. The term "in writing" means communicated in written form with proof of receipt.

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

9. Governing Law

9.1 The Contract shall be governed by and interpreted in accordance with the laws of the Purchaser's country, unless otherwise specified in the PCC.

10. Settlement of Disputes

10.1 The Purchaser 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.

10.2 If the parties fail to resolve such a dispute or difference by mutual consultation within twenty-eight (28) days from the commencement of such consultation, either party may require that the dispute be referred for resolution to the formal mechanisms specified in the PCC.

- 11. Scope of Supply**
- 11.1 Subject to the PCC, the Goods to be supplied shall be as specified in Schedules to Bid.
- 11.2 Unless otherwise stipulated in the Contract, the Scope of Supply shall include all such items not specifically mentioned in the Contract but that can be reasonably inferred from the Contract as being required for attaining Delivery and Completion of the Goods as if such items were expressly mentioned in the Contract.
- 12. Delivery**
- 12.1 Subject to GCC Sub-Clause 33.1, the Delivery of the Goods shall be in accordance with the Delivery and Completion Schedule specified in the Schedules to Bid. The details of shipping and other documents to be furnished by the Supplier are specified in the PCC.
- 13. Supplier's Responsibilities**
- 13.1 The Supplier shall supply all the Goods included in the Scope of Supply in accordance with GCC Clause 11, and the Delivery and Completion Schedule, as per GCC Clause 12.
- 14. Purchaser's Responsibilities**
- 14.1 Whenever the supply of Goods requires that the Supplier obtain permits, approvals, and import and other licenses from local public authorities, the Purchaser shall, if so required by the Supplier, make its best effort to assist the Supplier in complying with such requirements in a timely and expeditious manner.
- 14.2 The Purchaser shall afford all costs involved in the performance of its responsibilities, in accordance with GCC Sub-Clause 14.1.
- 15. Contract Price**
- 15.1 The Contract Price shall be as specified in the Agreement subject to any additions and adjustments thereto, or deductions therefrom, as may be made pursuant to the Contract.
- 15.2 Prices charged by the Supplier for the Goods delivered under the Contract shall not vary from the prices quoted by the Supplier in its bid, with the exception of any price adjustments authorized as per the formula if given in GCC Sub-Clause 15.3.
- 15.3 *[The Purchaser should develop the formula and other factors*

for Price Adjustment based on the principle of Clause 70.1 of PEC Bidding Documents for Civil Works and Standard Procedure and Formulae for Price Adjustment prepared by PEC, with following modifications.

i. Adjustable material would be those raw materials used for manufacturing of specific Goods Items on which, in opinion of the Purchaser, the price adjustment is payable. However, the Purchaser shall calculate, to make project specific price adjustment formula, the appropriate weightages of major raw materials as per the PEC standard documents mentioned above.

ii. In case of adjustable materials and labor, the current price indices shall be 42 days prior to date of Goods transport [or any other appropriate period may be incorporated by the Purchaser representing the mid-point of the period of manufacture], while in case of POL, the current price indices shall be 15 days [or any other reasonable period may be incorporated by the Purchaser] before the date of Goods transport.

iii. Source for indices:

a. For Local Manufactured Items;

PICC cost data or any other credible source to be mentioned in bidding documents, failing which to be agreed between parties before signing the Contract.

b. For Foreign Manufactured Items;

London Metal Exchange (LME) Rate]

OR

[The Purchaser shall state “This is a Fixed Price Contract” in case the Price Adjustment is not applicable for lesser time of delivery or smaller quantities of Goods to be supplied.]

**16. Terms
Payment**

of 16.1 The Contract Price shall be paid as specified in the PCC.

16.2 The Supplier's request for payment shall be made to the Purchaser in writing, accompanied by invoices describing, as appropriate, the Goods delivered by the documents submitted pursuant to GCC Clause 12 and upon fulfillment of all the

obligations stipulated in the Contract.

- 16.3 Payments shall be made promptly by the Purchaser, no later than sixty (60) days after submission of an invoice or request for payment by the Supplier, and the Purchaser has accepted it.
- 16.4 The currency or currencies in which payments shall be made to the Supplier under this Contract shall be specified in the PCC.

17. Taxes and Duties

- 17.1 For Goods supplied from outside the Purchaser's Country, the Supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the Purchaser's Country.
- 17.2 For Goods supplied from within the Purchaser's Country, the Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods to the Purchaser.
- 17.3 If any tax exemptions, reductions, allowances or privileges may be available to the Supplier in the Purchaser's Country, the Purchaser shall use its best efforts to enable the Supplier to benefit from any such tax savings to the maximum allowable extent.

18. Performance Security

- 18.1 The Supplier shall, within twenty-eight (28) days of the notification of Contract award, provide a Performance Security for the due performance of the Contract in the amounts and currencies specified in the PCC.
- 18.2 The proceeds of the Performance Security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.
- 18.3 The Performance Security shall be denominated in the currencies of the Contract, or in a freely convertible currency acceptable to the Purchaser, and shall be in one of the forms stipulated by the Purchaser in the PCC, or in another form acceptable to the Purchaser.
- 18.4 The Performance Security shall be discharged by the Purchaser and returned to the Supplier not later than twenty-eight (28) days following the date of completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless specified otherwise in the PCC.

19. Copyright

- 19.1 The copyright in all drawings, documents, and other materials containing data and information furnished to the Purchaser by the Supplier herein shall remain vested in the Supplier, or, if they are furnished to the Purchaser directly or through the Supplier by any third party, including suppliers of materials, the copyright in such materials shall remain vested in such third party.

20. Confidential Information

- 20.1 The Purchaser and the Supplier shall keep confidential and shall not, without the written consent of the other party hereto, divulge to any third party any documents, data, or other information furnished directly or indirectly by the other party hereto in connection with the Contract, whether such information has been furnished prior to, during or following completion or termination of the Contract. Notwithstanding the above, the Supplier may furnish to its Subcontractor such documents, data, and other information it receives from the Purchaser to the extent required for the Subcontractor to perform its work under the Contract, in which event the Supplier shall obtain from such Subcontractor an undertaking of confidentiality similar to that imposed on the Supplier under GCC Clause 20.
- 20.2 The Purchaser shall not use such documents, data, and other information received from the Supplier for any purposes unrelated to the Contract. Similarly, the Supplier shall not use such documents, data, and other information received from the Purchaser for any purpose other than the design, procurement, required for the performance of the Contract.
- 20.3 The obligation of a party under GCC Sub-Clauses 20.1 and 20.2 above, however, shall not apply to information that:
- (a) the Purchaser or Supplier need to share with the purchaser or other institutions participating in the financing of the Contract;
 - (b) now or hereafter enters the public domain through no fault of that party;
 - (c) can be proven to have been possessed by that party at the time of disclosure and which was not previously obtained, directly or indirectly, from the other party; or
 - (d) Otherwise lawfully becomes available to that party from a third party that has no obligation of confidentiality.
- 20.4 The above provisions of GCC Clause 20 shall not in any way modify any undertaking of confidentiality given by either of the parties hereto prior to the date of the Contract in respect of the Supply or any part thereof.
- 20.5 The provisions of GCC Clause 20 shall survive completion or termination, for whatever reason, of the Contract.

21. Subcontracting

The Supplier shall notify the Purchaser in writing of all subcontracts awarded under the Contract if not already specified in the Bid. Subcontracting shall in no event relieve the Supplier from any of its obligations, duties,

responsibilities, or liability under the Contract.

21.1 Subcontracts shall comply with the provisions of GCC Clauses 3 and 7.

22. Specifications and Standards

22.1 Technical Specifications and Drawings

- (a) The Supplier shall ensure that the Goods comply with the technical specifications and other provisions of the Contract.
- (b) The Supplier shall be entitled to disclaim responsibility for any design, data, drawing, specification or other document, or any modification thereof provided or designed by or on behalf of the Purchaser, by giving a notice of such disclaimer to the Purchaser.
- (c) The Goods supplied under this Contract shall conform to the standards mentioned in the Schedules to Bid and, when no applicable standard is mentioned, the standard shall be equivalent or superior to the official standards whose application is appropriate to the country of origin of the Goods.

22.2 Wherever references are made in the Contract to codes and standards in accordance with which it shall be executed, the edition or the revised version of such codes and standards shall be those specified in the Schedules to Bid. During Contract execution, any changes in any such codes and standards shall be applied only after approval by the Purchaser and shall be treated in accordance with GCC Clause 33.

23. Packing and Documents

23.1 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. During transit, the packing shall be sufficient to withstand, without limitation, rough handling and exposure to extreme temperatures, salt and precipitation, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the final destination of the Goods and the absence of heavy handling facilities at all points in transit.

23.2 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 the PCC, and in any other instructions ordered by the Purchaser.

- 24. Insurance** 24.1 Unless otherwise specified in the PCC, the Goods supplied under the Contract shall be fully insured, in a freely convertible currency from an eligible country, against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery, in accordance with the applicable Incoterms or in the manner specified in the PCC.
- 25. Transportation** 25.1 Unless otherwise specified in the PCC, obligations for transportation of the Goods shall be in accordance with the Incoterms specified in the Schedules A and B to Bid.
- 26. Inspections and Tests** 26.1 The Supplier shall at its own expense and at no cost to the Purchaser carry out all such tests and /or inspections of the Goods as are specified in the Schedules to Bid.
- 26.2 The inspections and tests may be conducted on the premises of the Supplier or its Subcontractor, at point of delivery, and/or at the final destination of the Goods, or in another place in the Purchaser's country as specified in the PCC. Subject to GCC Sub-Clause 26.3, if conducted on the premises of the Supplier or its Subcontractor, all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to the Purchaser.
- 26.3 The Purchaser or its designated representative shall be entitled to attend the tests and/or inspections referred to in GCC Sub-Clause 26.2, provided that the Purchaser bear all of its own costs and expenses incurred in connection with such attendance including, but not limited to, all traveling and board and lodging expenses.
- 26.4 Whenever the Supplier is ready to carry out any such test and inspection, it shall give a reasonable advance notice, including the place and time, to the Purchaser. The Supplier shall obtain from any relevant third party or manufacturer any necessary permission or consent to enable the Purchaser or its designated representative to attend the test and/or inspection.
- 26.5 The Purchaser may require the Supplier to carry out any test and/or inspection not required by the Contract but deemed necessary to verify that the characteristics and performance of the Goods comply with the technical specifications, codes and standards under the Contract, provided that the Supplier's reasonable costs and expenses incurred in the carrying out of such test and/or inspection shall be added to the Contract Price. Further, if such test and/or inspection impedes the progress of manufacturing and/or the Supplier's performance of its other obligations under the Contract, due allowance will be made in respect of the Delivery Dates and Completion Dates and the other obligations so affected.
- 26.6 The Supplier shall provide the Purchaser with a report of the results of any such test and/or inspection.

- 26.7 The Purchaser may reject any Goods or any part thereof that fail to pass any test and/or inspection or do not conform to the specifications. The Supplier shall either rectify or replace such rejected Goods or parts thereof or make alterations necessary to meet the specifications at no cost to the Purchaser, and shall repeat the test and/or inspection, at no cost to the Purchaser, upon giving a notice pursuant to GCC Sub-Clause 26.4.
- 26.8 The Supplier agrees that neither the execution of a test and/or inspection of the Goods or any part thereof, nor the attendance by the Purchaser or its representative, nor the issue of any report pursuant to GCC Sub-Clause 26.6, shall release the Supplier from any warranties or other obligations under the Contract.

27. Liquidated Damages

- 27.1 Except as provided under GCC Clause 32, if the Supplier fails to deliver any or all of the Goods within the period specified in the Contract, the Purchaser may without prejudice to all its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in the PCC of the Contract Price for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in the PCC. Once the maximum is reached, the Purchaser may terminate the Contract pursuant to GCC Clause 35. However the contract time line will be extended by the time period for which the purchase is not able to supply the vehicle chassis to the supplier and the Liquidated Damages will not be applicable in such circumstances.

28. Warranty

- 28.1 The Supplier warrants that all the Goods are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.
- 28.2 Subject to GCC Sub-Clause 22.1, the Supplier further warrants that the Goods shall be free from defects arising from any act or omission of the Supplier or arising from design, materials, and workmanship, under normal use in the conditions prevailing in the country of final destination.
- 28.3 Unless otherwise specified in the PCC, the 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 PCC, or for eighteen (18) months after the date of shipment or loading in the country of origin, whichever period concludes earlier.
- 28.4 The Purchaser shall give Notice to the Supplier stating the nature of any such defects together with all available evidence thereof, promptly following the discovery thereof. The Purchaser shall afford all reasonable opportunity for the

Supplier to inspect such defects.

28.5 Upon receipt of such Notice, the Supplier shall, within the period specified in the PCC, expeditiously repair or replace the defective Goods or parts thereof, at no cost to the Purchaser.

28.6 If having been notified, the Supplier fails to remedy the defect within the period specified in the PCC, the Purchaser may proceed to take within a reasonable period such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.

29. Patent Indemnity

29.1 The Supplier shall, subject to the Purchaser's compliance with GCC Sub-Clause 29.2, indemnify and hold harmless the Purchaser and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Purchaser may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract by reason of:

- (a) the installation of the Goods by the Supplier or the use of the Goods in the country where the Site is located; and
- (b) the sale in any country of the products produced by the Goods.

Such indemnity shall not cover any use of the Goods or any part thereof other than for the purpose indicated by or to be reasonably inferred from the Contract, neither any infringement resulting from the use of the Goods or any part thereof, or any products produced thereby in association or combination with any other equipment, plant, or materials not supplied by the Supplier, pursuant to the Contract.

29.2 If any proceedings are brought or any claim is made against the Purchaser arising out of the matters referred to in GCC Sub-Clause 29.1, the Purchaser shall promptly give the Supplier a notice thereof, and the Supplier may at its own expense and in the Purchaser's name conduct such proceedings or claim and any negotiations for the settlement of any such proceedings or claim.

29.3 If the Supplier fails to notify the Purchaser within twenty-eight (28) days after receipt of such notice that it intends to conduct any such proceedings or claim, then the Purchaser shall be free

to conduct the same on its own behalf.

29.4 The Purchaser shall, at the Supplier's request, afford all available assistance to the Supplier in conducting such proceedings or claim, and shall be reimbursed by the Supplier for all reasonable expenses incurred in so doing.

29.5 The Purchaser shall indemnify and hold harmless the Supplier and its employees, officers, and Subcontractors from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Supplier may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract arising out of or in connection with any design, data, drawing, specification, or other documents or materials provided or designed by or on behalf of the Purchaser.

30. Limitation of Liability

30.1 Except in cases of gross negligence or willful misconduct :

- (a) neither party shall be liable to the other party for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the Supplier to pay liquidated damages to the Purchaser; and
- (b) the aggregate liability of the Supplier to the Purchaser, whether under the Contract, in tort, or otherwise, shall not exceed the amount specified in the PCC, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment, or to any obligation of the Supplier to indemnify the Purchaser with respect to patent infringement.

31. Change in Laws and Regulations

31.1 Unless otherwise specified in the Contract, if after the date of the Invitation for Bids, any law, regulation, ordinance, order or bylaw having the force of law is enacted, promulgated, abrogated, or changed in the place of the Purchaser's country where the Site is located (which shall be deemed to include any change in interpretation or application by the competent authorities) that subsequently affects the Delivery Date and/or the Contract Price, then such Delivery Date and/or Contract Price shall be correspondingly increased or decreased, to the extent that the Supplier has thereby been affected in the performance of any of its obligations under the Contract. Notwithstanding the foregoing, such additional or reduced cost shall not be separately paid or credited if the same has already been accounted for in the price adjustment provisions where

applicable, in accordance with GCC Clause 15.

32. Force Majeure

32.1 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.

32.2 For purposes of this Clause, “Force Majeure” means an event or situation beyond the control of the Supplier that is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of the Supplier. Such events may include, but not be limited to, acts of the Purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.

32.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the Purchaser 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.

33. Change Orders and Contract Amendments

33.1 The Purchaser may at any time order the Supplier through Notice in accordance GCC Clause 8, to 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 Purchaser;
- (b) the method of shipment or packing;
- (c) the place of delivery; and
- (d) Any other

33.2 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 in the Delivery and Completion Schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this Clause must be asserted within twenty-eight (28) days from the date of the Supplier’s receipt of the Purchaser’s change order.

34. Extensions of Time

34.1 If at any time during performance of the Contract, the Supplier or its Subcontractors should encounter conditions impeding timely delivery of the Goods pursuant to GCC Clause 12, the Supplier shall promptly notify the Purchaser in writing of the delay, its likely duration, and its cause. As soon as practicable

after receipt of the Supplier's notice, the Purchaser shall evaluate the situation and may at its discretion extend the Supplier's time for performance, in which case the extension shall be ratified by the parties by amendment of the Contract.

- 34.2 Except in case of Force Majeure, as provided under GCC Clause 32, a delay by the Supplier in the performance of its Delivery and Completion obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to GCC Clause 27, unless an extension of time is agreed upon, pursuant to GCC Sub-Clause 34.1.

35. Termination

35.1 Termination for Default

- (a) The Purchaser, without prejudice to any other remedy for breach of Contract, by Notice of default sent to the Supplier, may terminate the Contract in whole or in part:
- (i) if the Supplier fails to deliver any or all of the Goods within the period specified in the Contract, or within any extension thereof granted by the Purchaser pursuant to GCC Clause 34; or
 - (ii) if the Supplier fails to perform any other obligation under the Contract.
- (b) In the event the Purchaser terminates the Contract in whole or in part, pursuant to GCC Clause 35.1(a), the Purchaser may procure, upon such terms and in such manner as it deems appropriate, Goods or Related Services similar to those undelivered or not performed, and the Supplier shall be liable to the Purchaser for any additional costs for such similar Goods. However, the Supplier shall continue performance of the Contract to the extent not terminated.
- (c) if the Supplier, in the judgment of the Purchaser has engaged in corrupt and fraudulent practices, as defined in GCC Clause 3, in competing for or in executing the Contract.

35.2 Termination for Insolvency

The Purchaser may at any time terminate the Contract by giving Notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In such event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy that has accrued or will accrue thereafter to the Purchaser.

35.3 Termination for Convenience

- (a) The Purchaser, by 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 Purchaser's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.
- (b) The Goods that are complete and ready for shipment within twenty-eight (28) days after the Supplier's receipt of the Notice of termination shall be accepted by the Purchaser at the Contract terms and prices. For the remaining Goods, the Purchaser may elect:
 - (i) To have any portion completed and delivered at the Contract terms and prices; and/or
 - (ii) to cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and for materials and parts previously procured by the Supplier.

36. Assignment

- 36.1 The Supplier shall not assign, in whole or in part, its obligations under this Contract, except with prior written consent of the Purchaser.

Particular Conditions of Contract

Particular Conditions of Contract

The following Particular Conditions of Contract (PCC) shall supplement the General Conditions of Contract (GCC). Whenever there is a conflict, the provisions herein shall prevail over those in the GCC.

GCC Sub Clause 1.1(j)

The Purchaser's country is Islamic Republic of Pakistan.

GCC Sub Clause 1.1(k)

The Purchaser is:

Municipal Committee Jhelum

Address: Municipal Committee Jhelum

Telephone: 0544-920098 Fax: _____

E-mail: municipalcommitteejhelum@gmail.com

GCC Sub Clause 1.1 (o)

Time for delivery of Equipment / Machinery shall be **04-months** from date of signing of Contract Agreement between Supplier and Purchaser.

GCC Sub Clause 1.1 (p)

The Supplier shall conduct the training of drivers / operators for relevant machinery / equipment.

GCC Sub Clause 1.1 (q)

Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spare parts for the machinery / equipment. Other spare parts and components shall be supplied as promptly as possible, but in any case within one (1) month of placing the order and opening the letter of credit.

GCC Sub Clause 5.1

The language shall be **English**.

GCC Sub Clause 7.1 and 7.2

The procurement is based on National Competitive Bidding.

GCC Sub Clause 8.1

For **notices**, the Purchaser's address shall be:

Municipal Committee Jhelum

Address: Municipal Committee Jhelum

Telephone: 0544-920098 Fax: _____

E-mail: municipalcommitteejhelum@gmail.com

GCC Sub Clause 9.1

The governing law shall be the Law of Islamic Republic of Pakistan.

GCC Sub Clause 10.2

The formal mechanism for the resolution of disputes shall be as follows:

- a. The rights and obligations of the Parties under or pursuant to these Conditions shall be governed and construed according to the Law of Islamic Republic of Pakistan.
- b. The dispute shall be referred to arbitration and finally settled in Pakistan in accordance with the Pakistan Arbitration Act, 1940, and any amendment or substitution thereof. If the Parties cannot agree to the appointment of a sole arbitrator each Party shall appoint an arbitrator and the arbitrators shall, before entering upon the reference, jointly appoint an umpire. The decision of the arbitrator(s) shall be final and shall not be challenged or assailed in any court on any ground whatsoever.

GCC Sub Clause 11.1

The scope of Goods Supply is described in Invitation for Bid.

GCC Sub Clause 12.1

Details of shipping and other documents to be furnished by the Supplier before supply shall be:

- Import Documents.
- Company Brochure
- Product Brochure including specifications
- Quality Standards.
- Factory test reports
- Certification of quality, from aceradit relevant institution.

GCC Sub Clause 15.3

The Contract is not subject to Price Adjustmant.

GCC Sub Clause 16.1

1. All payments will be made in Pakistani Rupee only.
2. 80% payment will be due after the Machinery / Equipment have been received by the authorized representatives of Purchaser at the location mentioned in the contrcat documents and Taking Over certificate is issued.
3. 20% payment will be due after 1-months of successful delivery & operation of Machinery / Equipment and the certificate has been received from the concerned authorities.
4. The Successful Bidder shall have full and exclusive liability for payment of all Duties, Taxes and other statutory payments payable under any or all of the Statutes/Laws/Acts, etc. now or hereafter imposed in Pakistan.

GCC Sub Clause 16.4

The currencies for payments shall be Pak Rupee.

GCC Sub Clause 18.1

The Supplier shall provide a Performance Security of (ten) **10%** of the Contract Price. The Performance Security shall be denominated in the following amounts and currencies

“10% of the Contract Price in Shape of Bank Guarantee from a Scheduled Bank in Pakistan and in Pak Rupees”

GCC Sub Clause 18.3

The Supplier shall provide a Performance Security in the prescribed Form annexed to these Documents in the form of Bank Guarantee from any Scheduled Bank in Pakistan.

The cost of complying with the requirements of this Sub-Clause shall be borne by the Contractor.

GCC Sub Clause 18.4

Discharge of Performance Security shall take place **3-months** after successful completion of the Contract obligations.

GCC Sub Clause 24.1

The Supplier shall be obliged to place all insurances relating to the Contract (including, but not limited to, the insurances referred to in Clause-24 GCC) with either National Insurance Company of Pakistan or any other insurance company operating in Pakistan and acceptable to the Purchaser.

Cost of such insurances shall be borne by the Supplier.

GCC Sub Clause 26.2

Tests and Inspections specified in Appendix-B to Bid shall be carried out at Suppliers Store before delivery and at site after delivery.

GCC Sub Clause 27.1

The liquidated damage shall be **1%** per week or part thereof

GCC Sub Clause 27.1

The maximum amount of liquidated damages shall be **10%** of the Contract Price.

GCC Sub Clause 28.3

The period of validity of the Warranty shall be 1-year from date of delivery at sites.

GCC Sub Clause 28.5

The Supplier shall correct any defects covered by the Warranty within 15-days of being notified by the Purchaser of the occurrence of such defects

**SPECIFICATIONS-
SPECIAL PROVISIONS**

Specifications of SWM Machinery / Equipment

-

**STANDARDS AND SPECIFICATIONS FOR
EQUIPMNT & MACHINERY**

Provision of Equipment and Machinery for solid waste management to
Program MCs

Abbreviations

ANSI	American National Standards Institute
ASTM	American Society for Testing and Materials
CC	Cubic Centimeters
CEN	European Committee for Standardization
CFC	Chlorofluorocarbon
DIN	German Institute for Standardization
DFT	Dry Film Thickness
EN	European Norms; European Standards
FHD	Full High Definition
GVW	Gross Vehicle Weight
HDMI	High Definition Multimedia Interface
HP	Horsepower
HCFC	hydrochlorofluorocarbons
ISO	International Organization for Standardization
LED	Light Emitting Diode
LPM	Liter Per Minute
m	Meter
min.	Minimum
mm	Millimeters
NFPA	National Fire Protection Association
PLC	Programmable Logic Controller
PS	Pferdestärke: Unit for Vehicle Power 1 PS = 0.986 Horsepower
PTO	Power Takeoff
RHD	Right Hand Drive
SAE	Society of Automotive Engineers
VTMS	Vehicle Tracking Monitoring System
VDU	Video Display Unit

PUNJAB CITIES PROGRAM (PCP)

Provision of Machinery & Equipment For

Improvement of Solid Waste Management in Jhelum City

Specifications and Standards

The scope of services for this project includes designing, manufacturing/fabrication as per applicable international standards mentioned hereunder, inspection/testing at manufacturer's works, supplying at designated site, testing at site, training to the Client's designated personnel for operation and maintenance, one (01) year's warranty, maintenance of the equipment/machinery for one (1) year during defect liability period (DLP) of each item of following equipment/machinery:

Sr.No.	Detail of equipment & machinery	Nos
1	Garbage Container 0.8 m ³ capacity	
2	Garbage Compactor Truck	
3	Mini tipper 1.0 m ³	
4	Water bowsers with spray system	
5	Handcart/waste tipping trolley	
6	Mobile workshop	
7	Wheel Excavators	
8	Dumper Truck 1 m ³	
9	Truck Mounted Vacuum Road Sweeper	
10	Front blade tractor	
11	Front end loaders	
12	Motor Cycle	

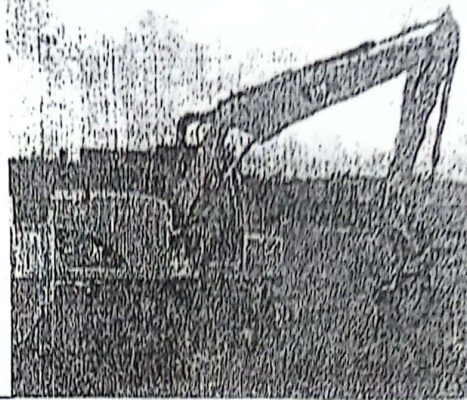
The design shall provide maximum level of reliability and availability, convenience of operation and maintenance, neat and orderly arrangement which shall take into account the functional requirements of various systems/components and pleasing physical appearance of equipment & machinery.

The design shall keep in view load distribution for better performance of the vehicle as per recommendations of the manufacturer of Chassis and design/drawings shall be submitted to the Employer/Engineer for review/approval.

The quantity shall be supplied as required in bill of quantities attached with these specifications

Photos shown in these specifications are for illustration purposes only.

Wheel Excavator



The wheel excavator shall have a main frame of welded-box construction braced with members of high strength steel and reinforced at critical points. It shall have ample strength and rigidity to withstand the imposed strains of the excavator continuously operating at its maximum capacity as well as strains imposed by its travel over irregular ground, and unimproved roads.

The excavator shall conform to the following specifications as a minimum:

Engine

Power (minimum) 85 kW, 4-cylinder, direct injection, diesel engine, displacement 3800~5200 cc, Torque 380~520 N·m. The engine shall be equipped with one-touch low idle control to reduce engine speed if no operation is performed, maximizing fuel efficiency and reducing sound levels.

Other Accessories/Dimensions

Bucket capacity	Minimum 0.7m ³
Reach at Ground Level	Minimum 7.5m
Digging Depth	Minimum 4.5m
Digging Height	Minimum 7.5m
Travel Speed	~30 km/hr
Tires	9.00-20-14PR
Maximum Gradeability	60~70%
Ground Clearance	350~400mm
Swing Radius	~2500 mm
Counterweight Clearance	1300~1500 mm
Cab Height	3000~3200 mm

Service Refill Capacities

Fuel Tank	Minimum 200 Liters
Cooling	Minimum 15 Liters
Engine Oil	Minimum 10 Liters
Rear Axle Housing	10~20 Liters
Front Steering Axle	10~15 Liters
Hydraulic System	minimum 200 Liters (including tank)

Hydraulics

The state-of-the-art load-sensing hydraulics system combined with a separate dedicated swing pump shall be provided giving fast cycle times, increased lift capacity and high bucket and stick forces.

- a) Dedicated Swing Pump: A dedicated variable displacement piston pump and fixed

displacement piston motor to power the swing drive to maximize swing performance without reducing power to the other hydraulic functions, resulting in smoother combined movements.

- b) Heavy Lift Mode: To maximize lifting performance by boosting the lifting capability of the excavator.
- c) Adjustable Hydraulic Sensitivity to allow the operator to adjust the aggressiveness of the machine according to the application.
- d) Proportional Auxiliary Hydraulics Versatility of the hydraulic system to utilize a wide variety of hydraulic work tools using multiple valve options as follows:
 - The Multi-Combined Valve allowing the operator to select up to ten preprogrammed work tools from the monitor. These preset hydraulic parameters support either one-way or two-way flow. The joystick sliding switches allow modulated control of the work tool.
 - The Medium Pressure Function Valve providing proportional flow for tilting buckets or rotating tools.
 - High Pressure valve in combination with the Multi-Combined Valve to operate the machine with work tools or in applications requiring a third auxiliary hydraulic function, such as a tilting/rotating work tool.
- e) Hydraulic Tank Capacity 120~140L
- f) Maximum Pressure
- g) Implement Circuit Normal: 300~350 bar, Heavy Lift: 350~375 bar
- h) Travel Circuit 300~350 bar
- i) Auxiliary Circuit High Pressure: 300~350 bar, Medium Pressure: 150~190 bar, Swing Mechanism: 275~300 bars
- j) Maximum Flow Implement/Travel Circuit: 200~225 L/min, Auxiliary Circuit: High Pressure 200~225 L/min, Medium Pressure 40~50 L/min, Swing Mechanism: 75~100 L/min

Serviceability

For increased safety, all daily maintenance points shall be accessible from ground level. A centralized greasing system shall be provided allowing lubrication of critical points.

Operator Comfort

- The auto-weight adjusted air-suspension seat with heated and cooled ventilated cushions shall be provided to improve operator comfort. The color monitor and standard rear-mounted camera shall be provided to enhance the safety.
- The operator station shall be provided with maximum space and designed for simplicity and functionality. Frequently used switches shall be centralized and situated on the right-hand switch console. The left-hand seat console shall control dozer blade and/or outriggers, and tilt-cab. The fully automatic climate control shall be provided to adjust temperature and air flow for exceptional operator comfort.
- **Viewing Area:** To maximize visibility, all glass shall be affixed directly to the cab, eliminating the use of window frames. Choice of fixed or easy to open split front windshield shall be provided to meet operator preference and application conditions.

Monitor

A compact color monitor shall display information in local language that is easy to read and understand. Functions shall include:

- Programmable "Quick Access" buttons for one-touch selection of favorite functions.

- Filter and oil change warnings displayed when the number of hours reach the maintenance interval.
- Tool select function to allow the operator to select upto 6~10 predefined hydraulic work tools.
- Adjustable braking characteristic to enable the operator to select different levels of travel motor retarder aggressiveness when releasing the travel pedal.
- Provides a rear camera view activated through the monitor menu.

Rearview Camera

The rearview camera shall display on the operator monitor. Together with the best in class visibility to the front, up, left and right, the rearview camera shall ensure the safe operation of the machine and fulfill the requirements of ISO 5006/EN 474.

Undercarriage

Undercarriage and axle design shall provide maximum strength, flexibility and mobility on wheels.

- Heavy-Duty Axles and Stabilizers providing rigidity and long life. Effective hydraulic liner routing, transmission protection and heavy-duty axle to make the undercarriage perfect for wheel excavator applications. The front axle shall offer wide oscillating and steering angles. The transmission shall be mounted directly on the rear axle for protection and optimum ground clearance.
- Advanced Disc Brake System: The disc brake systems shall act directly on the hub instead of the driveshaft to avoid planetary gear backlash to minimize the rocking effect associated with working free on wheels.
- Fenders: The fenders for excellent coverage of the front and rear tires, protecting the machine from mud and dirt. These fenders shall avoid water splashing up on the windscreen or cooler. The fenders further protect the machine from stones and debris being thrown up by the tires, providing additional safety for the machine, other vehicles and personnel working close to the excavator.

Booms and Sticks

- Designed for maximum flexibility to keep production high on all jobs, booms and sticks shall be of welded, box section structures with thick, multi-plate fabrications in high stress areas, for rugged performance and long service life.
- Flexibility The choice of different booms and sticks for right balance of reach and digging forces for all applications i.e. variable adjustable boom, one-piece boom and, offset boom for working in tight quarters, lifting heavy load struck loading and digging, dig along walls, over obstacles, to grade while driving, and to dig under laid tubes without damaging them stickssuch as short, medium and long sticks for maximum breakout force, lifting capability and reach requirements etc.

Work Tools

A wide variety of Work Tools to help optimize performance.

- Quick Coupler to enable the operator to simply release one work tool and connect to another, of hydraulic and spindle quick coupler versions.
- Buckets: specialized buckets, each designed and tested to function as an integral part of excavator. Buckets featuring the Ground Engaging Tools such as Excavation, Extreme Excavation, Excavation Leveling, Ditch Cleaning etc.

Service Brake Full air brake or Air Over Hydraulic
 Exhaust Brake With Pneumatic Control
 Parking Brake Mechanical expanding type acting on the shaft
 Electric System 24VDC
 Ground Clearance 200 mm minimum
 Tires minimum 10-20 with 16PR

Engine Emission Standard: Euro-II

Intercooled, 4-stroke, 6 cylinder, Vertical in-line, watercooled, direct injection Diesel, turbocharged with intercooler

Displacement: 7500~8500cc

• Authority letter from chassis manufacturer describing that it is in operation in Purchaser's country for at least eight (8) years shall be attached with the bid.

• Wheel based dimensions shall be adopted for proper weight distribution to keep the balance and steering and load calculations shall be provided for approval of the Employer/Engineer.

Superstructure

Material DIN S752, equivalent or better grade steel

Construction Steel body manufactured from steel sheets with appropriate stiffeners and tail gate to open automatically for dumping and locked during travelling.

The thickness of steel sheets shall be as follows:

Body Sides: 4.00 mm (min.)

Body Floor: 8.00 mm (min.)

Body Front: 4.00 mm (min.)

Tail Gate: 4.00 mm (min.)

Sub & Lift Frame: 10.00 mm (min.)

Reinforcement Channels: 4.00 mm (min.)

PTO Side Mounted Power Take Off Unit

Hydraulic Pump Suitable for close couple arrangement with PTO

Pump Flow: 60~65 cc/rev. Max. Pressure 350 bars

Operating Pressure Shall not be less than 190 bars.

Lifting Scissor/Front End Hydraulic cylinder

Lifting capacity 10 Ton minimum

Hydraulic Cylinder Double action Hydraulic cylinder

Chromed Rods as per applicable ISO and SAE Standards

Pressure Safety To prevent hose bursting valve

Oil Reservoir With level & temperature gauge

Tank Capacity 50~60 Liters

Filters On line return filter, Suction Filter and Breather cap with strainer

Governor Full hydraulic speed governor shall be provided to adjust the engine speed according to system pressure.

Paint All steel surfaces shall be applied with two coats of Zinc-rich Epoxy primers to give maximum protection against rust and corrosion to enhance the design life, and

one final coat outside using 2-component polyurethane paint min. 200 microns DFT in the color shade approved by Employer/Engineer. The paint shall be applied after sand/shot blasting to SA 2.5.

Cab Exterior

- Color of Cab: As approved by the Employer
- Labelling: Logo, Motives and other labelling in both English and Urdu on both sides of the tank as per approval of Employer.
- Front mirror
- Kerb mirror

Cab Interior

- Driver's seat with spring loaded type, seat belt and Co-drivers seats for 2 persons.
- *Instruments:* All standard and necessary instrument and meters for assuring the safe operation of the vehicle will be provided.

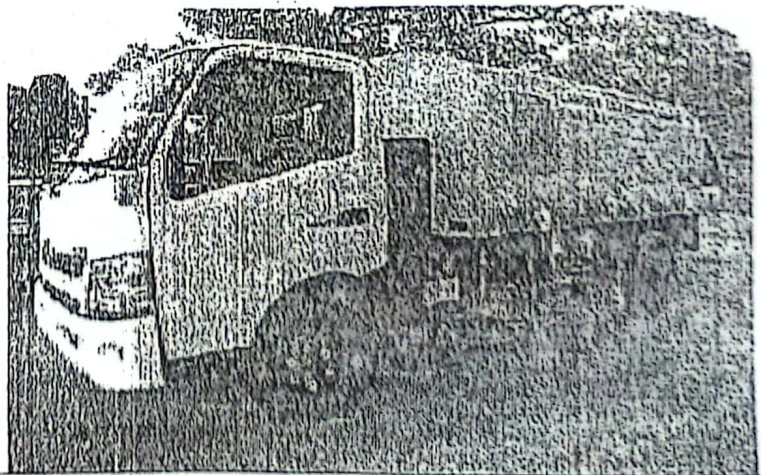
Lights

- Standard twin headlights for right-hand traffic
- Two (2) standard revolving beacons on cab roof left and right; yellow;
- One (1) Standard revolving beacon on roof backside of vehicle; yellow
- Protective grid: Hazard-warning lamps; synchronic blinking

Safety Equipment and Drive

According to Pakistan Law on technical conditions of vehicles.

Truck Mounted Vacuum Road Sweeper



The road sweeper unit shall be truck mounted having dust tank capacity of not less than 4,000 liters and water tank capacity of not less than 1,000 liters. The sweeping system shall operate through an auxiliary engine. Suction devices shall be installed

BILL OF QUANTITIES

DRAWINGS