



**Bahawalpur Waste Management Company (BWMC)  
Government of Punjab**

**BIDDING DOCUMENT**

**(NATIONAL COMPETITIVE BIDDING)  
Single Stage Two Envelope Bidding Procedure  
Least Cost Selection Method**

**For**

**OUTSOURCING OF SOLID WASTE MANAGEMENT  
SERVICES (ALONG WITH AVAILABLE RESOURCES) FOR  
TEHSIL LIAQAT PUR  
(Rural & Urban Areas)**

**Issued on: 18<sup>th</sup> September 2024**

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**Bahawalpur Waste Management Company (BWMC)**

## **Preface**

This Bidding document has been prepared by the Bahawalpur Waste Management Company (BWMC) which is based on the Standard Bidding Document issued / notified by the Punjab Procurement Regulatory Authority (“the Authority”), dated July, 2023.

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## **SECTION-I:**

## INVITATION TO BID

**SUBJECT: OUTSOURCING OF SOLID WASTE MANAGEMENT SERVICES (ALONG WITH AVAILABLE RESOURCES) FOR TEHSIL LIAQAT PUR (RURAL & URBAN AREAS)**

1. BWMC intends to invite sealed unconditional bids from you being the pre-qualified bidder for the subject assignment against an estimated price of **Rs. 4,559.26 Million** for four years (Inclusive of all applicable taxes and other obligations as per TORs / Scope of Services) having bid validity period of 180 days. The Invitation to Bid is being addressed to the following Pre-Qualified bidders for submission of Technical & Financial proposals / bids for **OUTSOURCING OF SOLID WASTE MANAGEMENT SERVICES (ALONG WITH AVAILABLE RESOURCES) FOR TEHSIL, LIAQAT PUR (RURAL & URBAN AREAS)**:

M/s Email: -----	M/s Email: -----
M/s Email: -----	M/s Email: -----
M/s Email: -----	M/s Email: -----

2. The above-mentioned prequalified bidders if intended to participate in the bidding process for the above mentioned assignment, may obtain bidding document by downloading directly from BWMC website or may obtain the hard copy of the bidding document from BWMC Head Office by producing this letter along with application on their letterhead by depositing the tender fee of Rs. **10,000/-** in the BWMC Bank Account No: 0015-(6580002517700019), Rafi Qamar Road, Bank of Punjab, Bahawalpur and attaching proof thereof.
3. Pre-Bid meeting will be held on **September 26, 2024 at 1430 hours** at BWMC head office, address is given below.
4. Bidding shall be conducted as per Rule 38 (2)(a) i.e. **Single Stage–Two Envelope** bidding procedure of Punjab Procurement Rules, 2014. The bids should clearly be marked as Technical & Financial proposal for **“OUTSOURCING OF SOLID WASTE MANAGEMENT SERVICES (ALONG WITH AVAILABLE RESOURCES) FOR TEHSIL, LIAQAT PUR (RURAL & URBAN AREAS)”** and sealed when submitted.
5. Sealed Bids (Containing Original filled duly signed & stamped Bidding Document, shall require to have attached Bid Security amounting **1%** of the estimated price i.e. **PKR 45.59**



**Million** in form of instrument acceptable to the Procuring Agency preferably Bank Guarantee / CDR) at the time of submission by you on or before **October 03, 2024 till 1400 Hours** positively at the address given below. The bids received till stipulated date & time shall be opened on the same day at **1430 Hours** in the presence of the bidders or their authorized representatives who choose to attend. Late bids shall not be accepted.

**Manager Procurement**

Bahawalpur Waste Management Company  
1-2/D, al-Aqsa Mall, Opp. SNGPL office, Model Town "A" Bahawalpur  
Phone: 062-9255202

## **DISCLAIMER**

This Bidding Document is being issued to the recipient by the Procuring Agency solely for use in preparing and submitting its Bid for participation in the national competitive bidding process being conducted by the Procuring Agency for the purposes of selection of a successful Bidder to perform and undertake the Bidder / contractor`s Obligations in relation to the Project.

The Bids will be evaluated in accordance with the selection criteria and prevailing applicable laws. Neither the Procuring Agency, nor its employees, personnel, agents, consultants, advisors and contractors etc., make any representation (express or implied) as to the accuracy or completeness of the information contained herein, or in any other document made available to any person in connection with the Bidding Process and the same shall have no liability for these Bidding Document or for any other written or oral communication transmitted to the Bidders in the course of the evaluation of Bids. Neither the Procuring Agency nor its employees, personnel, agents, consultants, advisors and contractors etc., will be liable in any manner whatsoever to reimburse or compensate the Bidders for any costs, fees, damages or expenses incurred by the Bidders in evaluating or acting upon these Bidding Document or otherwise in connection with the Bidder / contractor`s Obligations in relation to the project. Any Bid submitted in response to invitation to bid by any of the Bidders shall be upon the full understanding and Contract of any and all terms of these Bidding Document and such submission shall be deemed as an acceptance by the Bidders of all the terms and conditions stated in these Bidding Documents.

A Bid submitted by a Bidder shall be construed to be based on the full understanding that the Bidder acknowledges and fully comprehend all the contents of the bidding document prior to the submission of the Bid. The Bidder has, after a complete and careful examination, made an independent decision for submission of the bid. The Procuring Agency (including its employees, personnel, agents, consultants, advisors and contractors etc.) makes no representation whatsoever, express, implicit or otherwise, regarding the accuracy, adequacy, correctness, reliability and / or completeness of any assessment, assumptions, statement or information provided by it and the Bidder shall have no claim whatsoever of any nature against the Procuring Agency (including its employees, personnel, agents, consultants, advisors and contractors etc.) in this regard.

This Bidding Document do not constitute a solicitation to invest or otherwise participate in the Bidding Process for award of the Contract.

## DEFINITIONS

The following terms shall have the following meanings, unless the context otherwise requires: **“Acceptance of Notification of Award”** has the meaning given to that term in **ITB 2.6.1**.

**“Contract”** means the Contract for Outsourcing of SWM Services including Primary and Secondary Collection and Transportation of Solid Waste to Dumpsite Site of Tehsil Liaqat Pur and other obligations as per TORs, including all schedules attached thereto, to be entered into between the Procuring Agency and the Successful Bidder, in relation to the Project.

**“Applicable Laws”** means laws of Pakistan for the time being in force including the following:

- a) all ordinances, notices, codes, administrative practice, directives, notification, clarification, policy, circulars, guidelines, permits, licenses, permissions, approvals, consents, requirement or other governmental restrictions (and all conditions relating to such permits, licenses, clarifications, permissions, approvals or consents) made or issued under (a) and (b) above; and
- b) any judgments, decrees, notices, orders, directions, instructions, policies, awards or any form or decision of or determination by or interpretation of any of (a) and (b) above (whether or not having the force of law) by any authority, in each case as amended, re-enacted or replaced to the extent applicable.

**“Assets”** means the movable and immovable properties and assets, including the Vehicles procured by the Bidder / contractor or acquired from the procuring agency for undertaking the Bidder / contractor’s Obligations. Bidder shall return the properties & assets including vehicles to the procuring agency, which will be handed over to the contractor by the procuring agency, in an acceptable condition.

**“Authorized Representative”** has the meaning given to that term in **ITB 2.3.2**.

**“Bid”** means the bid comprising a Technical Proposal and a Financial Proposal, submitted or to be submitted by the Bidder to the Procuring Agency pursuant to the Bidding Document for the Project.

**“Bidder(s)”** means a person, firm or bidder / contractor who has submitted a Bid to the Procuring Agency pursuant to the Bidding Documents.

**“Bidding Documents”** has the meaning given to that term in **ITB 2.2.1**.

**“Bidding Forms”** means the forms attached to this Bidding Document that shall be filled out by the Bidder and submitted as part of the Bid.

**“Bidding Process”** has the meaning given to that term in **ITB 2.1.1**.

**“Bid Opening”** has the meaning given to that term in **ITB 2.5.1**.

**“Bid Price”** means the price calculated as the product of services quoted by the Bidder in accordance with financial forms and TORs (Scope of Services) for a period of 03 years. Reference to **Form F2**.

**“Bid Security”** has the meaning given to that term in **ITB 2.3.6**.

**“Bid Validity Period”** has the meaning given to that term in **ITB 2.3.7**.

**“Clarification”** has the meaning given to the term in **ITB 2.5.3**.

**“Bidder / contractor`s Obligations”** includes the services to be provided by the Successful Bidder in terms of the Contract, as specified in Bidder / contractor`s Obligations of the Bidding Document.

**“Bidder / contractor`s Taxes”** means any and all taxes (and duties), direct or indirect, whether imposed by Pakistan or elsewhere and whether imposed directly by a governmental authority or indirectly through any other person (including local/provincial governments), imposed or assessed by any federal or provincial/local taxing authority in Pakistan or elsewhere (or any political subdivision thereof or therein) whether general or special, whether ordinary or extraordinary, whether foreseen or unforeseen, payable by the Bidder / contractor in connection with the Bidder / contractor`s Obligations whether payable in instalments or not and regardless of whether such taxes are chargeable directly or primarily to the Bidder / contractor or any other person in connection with the Bidder / contractor`s Obligations and whether any amount in respect of them is recoverable from any other person.

**“Consents”** means all such approvals, consents, authorizations, notifications, concessions, acknowledgements, licenses, permits, or similar items that is or are required to be, from time to time, obtained and/or maintained by the Bidder / contractor for the performance of its obligations under the Contract.

**“Construction Activities”** means construction of ramp(s), boundary wall and other constructions by the bidder / contractor at the TSs as per the design and specifications agreed by the Procuring Agency.

**“Development Phase”** means the mutually agreed period between procuring agency and contractor / bidder during which the bidder / contractor will undertake the necessary activities and perform its obligations related to this assignment/job as per TORs.

**“Encumbrance”** means any charge, pledge, hypothecation, lien, mortgage, assignment, right of set-off, option, contractual restrictions (such as negative covenants having the effect of creating or acknowledging security interests in favor of creditors) or other encumbrance or security arrangement or interest of any kind securing any obligation or any type of preferential arrangement (including conditional sale, title transfer and retention arrangements) having similar effect.

**“Force Majeure Event”** means an event beyond the reasonable control of a party to the Contract, which materially and adversely affects the performance by such affected party of its obligations under or pursuant to the Contract; provided, however, that such material and adverse effect could not have been prevented, overcome or remedied in whole or in part by the affected party through the exercise of diligence and reasonable care, such events include but are not limited to, any of the following:

- a) Pandemic or epidemic;
- b) Acts of God, including fire, flood, earthquake, windstorm, tornado, hurricane, or other natural disaster;
- c) War, threat of or preparation for war, armed conflict, imposition of sanctions, embargo, breaking off of diplomatic relations or similar actions;
- d) Terrorist attacks, civil war, civil commotion, strikes, or riots;
- e) Nuclear, chemical or biological contamination or sonic boom;
- f) Fire, explosion or accidental damage.

**“Government Authority”** means any federal, state, local or municipal governmental body, and any governmental, regulatory, or administrative agency, commission, body, or other authority exercising or entitled to exercise any administrative, executive, judicial, legislative policy, regulatory or taxing authority or power, or any court or governmental tribunal.

**“Financial Proposal / Bid”** means the financial proposal / bid submitted by a Bidder as part of its Bid pursuant to the invitation to bid.

**“TS”** means the Transfer Stations, a facility with a designated receiving area used for temporary deposition, accumulation and aggregation of waste.

**“Insolvency Event”** means when the Bidder / contractor shall (i) be adjudicated insolvent pursuant to a non-appealable judgment, decree or order of a court of competent jurisdiction in Pakistan or any other jurisdiction (inside or outside Pakistan); (ii) commence a voluntary bankruptcy or insolvency case or proceeding; (iii) consent to, or acquiesce in the institution of a bankruptcy or an insolvency proceeding against it or the entry of a judgment, decree or order for relief against it in an involuntary bankruptcy or insolvency case or proceeding; (iv) apply for, consent to or acquiesce or be in the appointment of or taking possession by a custodian of its business or of any substantial part of its property; or (v) take any corporate (or individual) action in furtherance of or to facilitate, conditionally or otherwise, any of the foregoing, in each case in Pakistan or any other jurisdiction.

**“Integrity Pact”** has the meaning given to that term in **ITB 2.6.9**.

**“ITB”** or **“Instruction to Bidders”** means the instructions to Bidders set out in the Bidding Documents.

**“Dumpsite”** means designated area for final disposal of the solid waste, designated by BWMC.

**“Lead Partner / Member”** means in case the Bidder is a JV / Consortium, a member of a JV / Consortium who is duly authorized by the other JV / Consortium members to represent and bind the JV / Consortium in all matters connected to the Bid. Contract shall be considered as terminated if lead bidder in a JV / Consortium refused to continue services/work.

**“Invitation to Bid”** means the Letter of Invitation issued to prequalified bidders for participation in the subsequent Bidding Process for **OUTSOURCING OF SOLID WASTE MANAGEMENT SERVICES (ALONG WITH AVAILABLE RESOURCES) FOR TEHSIL, LIAQAT PUR (RURAL & URBAN AREAS)**.

**“Material Breach or Material Adverse Effect”** means in relation to an event or circumstance, an event or circumstance, the occurrence or effect of which has materially and adversely impaired or can reasonably be expected to materially and adversely impair the ability of the Bidder / contractor to perform the Bidder / contractor’s Obligations under this Contract to the extent that the performance of the Bidder / contractor’s Obligations becomes impossible.

**“Material Obligation”** means an obligation which if not fully and timely paid or performed would have a Material Adverse Effect.

**“Notification of Award”** shall have the same meaning as given to that in **ITB 2.6.1**.

**“Operations Period”** means a period of 04 years (extendable for another two years on annual basis) from the signing of the Contract, during which period the Bidder / contractor will perform the contractual obligations.

“**Owned Machinery**” means the machinery / vehicles to be purchased by the Bidder / Contractor.

“**Pakistani Rupee**” or “**PKR**” means the lawful currency of Pakistan.

“**Performance Guarantee**” means the Performance Guarantee to be furnished and maintained by the Bidder / contractor in accordance with **ITB 2.6.2** and the Contract.

“**Procurement Laws**” means collectively: (a) the Punjab Procurement Regulatory Authority Act, 2009; and (b) the Punjab Procurement Rules, 2014; as may be amended, modified, supplemented, extended or re-enacted from time to time.

“**Procuring Agency**” means the Client i.e. “Bahawalpur Waste Management Company  
1-2/D, al-Aqsa Mall, Opp. SNGPL office, Model Town “A” Bahawalpur  
Phone: 062-9255202

, Bahawalpur and Punjab, Pakistan.

“**Project**” means Outsourcing of SWM services including Primary, Secondary and tertiary Collection and Transportation of solid waste to Dumpsite site and De-silting / Cleaning of Nallas and Small Open Drains of ***Tehsil Liaqat Pur***, and all related matters as per KPI or Operational Model described in the Section-III of Bid document. The proposed waste collection and transportation through Door to Door and Container Based collection will also include street sweeping and washing (both mechanical and manual), De-silting / Cleaning of Nallas and Small Open Drains, mechanical sweeping, mechanical washing & scrapping of roads. The Successful Bidder would be responsible for procuring and Developing of infrastructure and personnel for carrying its aforesaid operations. The contractor shall also be responsible to perform the function of fee collection (billing & collections system defined by the client in Section-III).

“**Rented Vehicles**” means the vehicles to be acquired by the Bidder / contractor on rental basis from any party through legal arrangements for performance of the Bidder / contractor’s Obligations, in accordance with this Bidding Document and the Contract. Submission of Fitness Certificate for the rented vehicles is mandatory before execution of the services under the Contract.

“**Required Documents**” has the same meaning given to the term in **ITB 2.6.3**.

“**Submission Deadline**” means closing date for submission of bids i.e. **October 03, 2024 till 1400 hours** (Pakistan Standard Time) which may be extended by the Procuring Agency in terms of **ITB 2.4.2**.

“**Sub-Contractor**” has the same meaning given to that term in **ITB 2.3.2.1 (IV)**.

“**Sanitation Fee**” Contractor shall be responsible for fee collection of waste collection / sanitation fee from the Residential, Commercial & Industrial etc. units as per the rates and categories notified by the government from time to time against the mechanism defined by the Client in Section-III.

“**Successful Bidder**” means the Bidder: (i) having the lowest evaluated Bid pursuant to the requirements of the Bidding Document and the Procurement Laws; and (ii) selected by the Procuring Agency to execute the Contract pursuant to the requirements of the Bidding Document and perform and undertake the Bidder / contractor’s Obligations.

**“Technical Proposal / Bid”** means the technical proposal / bid submitted by a Bidder as part of its Bid pursuant to the Bidding Document.

**“Vehicles”** means the vehicles to be procured/provided by the Bidder / contractor for performance of the Bidder / contractor’s Obligations, in accordance with this Bidding Document and the Contract.

## **Section-II: Instructions to Bidders (ITB)**



## 2.1. Introduction

### 2.1.1 Scope of Bid

- i) The Procuring Agency (PA), as indicated in the Bid Data Sheet (BDS) invites Bids for the provision of **OUTSOURCING OF SOLID WASTE MANAGEMENT SERVICES (ALONG WITH AVAILABLE RESOURCES) FOR TEHSIL, LIAQAT PUR (RURAL & URBAN AREAS)** as specified in the Section-III, Section- IV Bid Data Sheet (BDS) and Section VII- Schedule of Requirements. The successful Bidders will be expected to provide the services for the specified period and timeline(s) as stated in the BDS.

### 2.1.2 Source of Funds

- i) The Procuring Agency named in the Bid Data Sheet has received / committed budget from the **Government of Punjab**. The Procuring Agency intends to apply the provided funds/ a portion of this budget to make eligible payments under the contract for which the Invitation to bids has been issued to the prequalified firms/companies/JV etc.

### 2.1.3 Eligible Bidders

- i) The Invitation to Bid is open to all Pre-qualified bidders mentioned in Invitation to Bid.
- ii) Where the Bidder is a Consortium / JV, the Bidder shall also submit as part of the Bid, the Contract executed between the JV / Consortium members clearly stating:
  - a. the participating interest of each Consortium / JV member;
  - b. the proposed role & responsibilities and share of each Consortium / JV member including Lead member in relation to this Project;
  - c. the conditions under which the Consortium / JV will function;
  - d. its period of duration;
  - e. details of the Lead Bidder;
  - f. any other information necessary to permit a full appraisal of its functioning;
  - g. that all partners of the Consortium / JV shall at all times and under all circumstances be liable jointly and severally for the execution of the Contract;
  - h. That no amendments / modifications in JV / Consortium is allowed.
- iii) Where the Consortium / JV Contract is governed by a law other than Pakistani law, a legal opinion confirming that the consortium Contract is legal, valid, binding and enforceable will be required.

- iv) All partners of the JV / Consortium shall at all times and under all circumstances be liable jointly and severally for the execution of the Contract in accordance with the terms thereof and a statement to this effect shall be included in the Form of Bid.
- v) Where the Bidder is a JV / Consortium, the Bid must identify the Lead Bidder, which is duly authorized (to the satisfaction of the Procuring Agency) by all other JV / Consortium members to act and deal with the Procuring Agency on their behalf in connection with the Project and to sign the Contract with other JV / Consortium members if the JV / Consortium is the Successful Bidder and to incur any and all liabilities, receive instructions, give binding undertakings and receive payments on behalf of the JV / Consortium.
- vi) In case of JV / Consortium, it shall be mandatory to register the JV / Consortium before award of contract and all the members of JV / Consortium shall liable to sign the Contract before execution as per the approved plan of the procuring agency.
- vii) To obviate the chance of conflict of interest Bidders should not be associated, or have been associated in the past, directly or indirectly, with a firm or any of its affiliates which have been engaged by the Procuring Agency to provide consultancy services for the preparation of the design, specifications, and other documents to be used for the procurement of the services to be purchased under this Invitation to Bids.
- viii) Bidders shall not be under a declaration of blacklisting by any Government department/other Procuring Agency or by Punjab Procurement Regulatory Authority (PPRA) or has not gone into court against any such order.
- ix) A Bidder shall not have a conflict of interest. All Bidders found to have a conflict of interest shall be disqualified. A Bidder may be considered to have a conflict of interest with one or more parties in this Bidding process, if they:
  - a. Are associated or have been associated in the past, directly or indirectly with a firm or any of its affiliates which have been engaged by the Procuring Agency to provide consulting services for the preparation of the design, specifications and other documents to be used for the procurement of the services to be purchased under this Invitation for Bids.
  - b. have controlling shareholders in common; or
  - c. Received or have received any direct and indirect subsidy from any of them; or
  - d. have the authorized legal representative for purposes of this Bid; or

- e. have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the Bid of another Bidder, or influence the decisions of the Procuring Agency regarding this Bidding process;
- x) A Bidder may be ineligible if –
  - a. the Bidder is declared bankrupt or, in the case of bidder / contractor or firm, become insolvent;
  - b. payments in favor of the Bidder is suspended in accordance with the judgment of a court of law other than a judgment declaring bankruptcy and resulting, in accordance with the national laws, in the total or partial loss of the right to administer and disposal of its property;
  - c. legal proceedings are instituted against such Bidder involving an order suspending payments and which may result, in accordance with the national laws, in a declaration of bankruptcy or in any other situation entailing the total or partial loss of the right to administer and disposal of the property;
  - d. the Bidder is convicted, by a final judgment, of any offence involving professional conduct;
  - e. The Bidder is debarred and blacklisted due to involvement in corrupt and fraudulent practices in accordance with the provision of section 17A of PPRA Act, 2009 and Rule-21, read with Schedule appended with, Punjab Procurement Rules, 2014.
  - f. The Bidder is debarred and blacklisted in general (i.e. to the extent of all public procurement) due to consistent performance failure in accordance with the section 17A of PPRA Act, 2009 and Rule-21, read with Schedule appended with, Punjab Procurement Rules, 2014.
  - g. The firm, Service Provider and contractor or any member of the consortium is blacklisted/ debarred by any National and international organization.
- xi) Bidders shall provide to the Procuring Agency evidence of their eligibility, proof of compliance with the necessary legal requirements to carry out the contract effectively.
- xii) Bidders shall provide such evidence of their continued eligibility satisfactory to the Procuring Agency, as the Procuring Agency shall reasonably request.
- xiii) Bidders shall submit proposals relating to the nature, conditions and modalities of sub-contracting wherever the sub-contracting of any elements of the contract is required. Bidder

shall obtain prior written approval from the Procuring Agency for any sub-contracting so required.

- xiv) A Bid received from a Bidder, shall only be considered for further evaluation in accordance with the requirements of the Bidding Document if the criteria, as set out in BDS, is fully met and any non-compliant Bid shall be rejected by the Procuring Agency. The Procuring Agency may require further verification of the evaluation criteria in such manner as it may deem fit and the circumstances provided in the Bidding Document which may constitute a conflict of interest are not exhaustive, and the Procuring Agency shall be the sole determinant when a conflict of interest shall arise.
- xv) Each Bidder shall indemnify the Procuring Agency, its affiliates and its advisors fully in respect of any damage, cost, liquidated damages or expense of any kind incurred by such person arising from a Bidder's breach of its obligations referred to above and other obligations under the Bidding Documents.

#### **2.1.4. Cost of Bidding**

- i) The Bidder shall bear all costs associated with the preparation and submission of its Bid and the Procuring Agency shall in no case be responsible or liable for those costs, regardless of the conduct or outcome of the Bidding Process.
- ii) The Bidder is advised to obtain for itself at its own cost and responsibility all information which may be necessary for preparing the Bid and entering into the Contract for execution and performance of the Bidder / contractor's Obligations. This shall include but not to be restricted to the following:
  - a. Inquiries on Pakistani federal, provincial and local taxes to the relevant tax regulatory authorities as per the applicable laws.
  - b. Inquiries on clearance of payments / profits abroad to the concerned authorities of State Bank of Pakistan.
  - c. Information regarding port clearance facilities, loading and unloading facilities, storage facilities, transportation facilities and congestion at Pakistan seaports.
  - d. Information regarding regulatory clearances or any other enforcement agency clearances required for import of goods, or other material, etc.
  - e. Investigations regarding transport conditions and the probable conditions which will exist at the time any goods or parts are required to be transported.
  - f. The successful bidder will provide stamp papers as per stamp duty Act 1899 as per requirement of Procuring Agency as per Law.
  - g. Any other information that may have a financial bearing on the Bid.

#### **2.1.5. One person one bid**

- i) As per Rule 36A of Punjab Procurement Rules 2014, a Bidder shall submit only one Bid in the same bidding process, either

individually as a Bidder or under a joint venture made or any similar arrangement.

- ii) No Bidder can be a sub-contractor while submitting a Bid individually or as a member of a joint venture in the same Bidding process.
- iii) A Bidder, if acting in the capacity of sub-contractor in any Bid, shall not submit bid for the same.
- iv) Each Bidder / Service provider shall submit only one bid, either individually or as a joint venture. A bidder/Service provider who submits or participates in more than one bids (in cases of alternatives that have been permitted or requested) will cause all the bids with the Service provider's participation to be disqualified

**2.1.6. Work Plan/Deputation Plan**

- i) The Bidder shall be responsible for the provision of bids as per micro work plan/deputation plan to be approved by the procuring agency and procuring agency may also, from time to time amend the same as per its requirement.
- ii) The Bidder/Service provider, at the Service provider's own responsibility and risk, is encouraged to visit and examine the Site of required Services and its surroundings and obtain all information that may be necessary for preparing the bid/Proposal and entering into a contract for the Services. The costs of visiting the Site shall be at the Service provider's own expense

## **2.2. The Bidding Documents**

**2.2.1. Content of Bidding Documents**

- i) The services required, Bidding procedures, and contract terms are prescribed in the Bidding documents. The Bidding documents, inter alia, include:

Section-I: Invitation to Bids

Section-II: Instructions to Bidders (ITB)

Section-III: Technical Specifications / TORs

Section-IV: Bid Data Sheet

Section-V: General Conditions of Contract (GCC)

Section-VI: Special Conditions of Contracts (SCC)

Section-VII: Schedule of Requirements/Work Plan/Deputation Plan

Section-VIII: Sample Forms

### **For the Technical Proposal;**

- a) T1 - Letter of Technical Proposal;
- b) T2 - Form of Integrity Pact;
- c) T3 - Form of Power of Attorney;
- d) T4 - Form of Affidavit; and Blacklisting
- e) T5 – Bidder / contractor’s Organization and Experience
- f) T6 - Form of Bid Security; and

### **For the Financial Proposal;**

- g) F1 - Letter of Financial Proposal;
- h) F2 –Total Project Cost / Total Bid Price
- i) F3 – Form of Performance Guarantee
- j) Draft Contract

### Section-IX: Check List

- ii) The Bidder is required to examine all instructions, forms, terms, and specifications in the Bidding documents. Failure to furnish all information as required by the Bidding Document or to submit a Bid not substantially responsive to the Bidding Document in every respect will be at the Bidder’s risk and may result in the rejection of its Bid.
- iii) In case of discrepancies between the Invitation to Bid and the Bidding Document listed in **ITB 2.2.1 (i)** above, the said Bidding Documents, not in conflict with any provision of PPR-14, will take precedence.
- iv) The Procuring Agency is not responsible for the completeness of the Bidding Document and their addenda, if they were not obtained directly from the Procuring Agency or from its website or website of PPRA. Re-confirming from the Procuring Agency that all pages/ contents have been properly and clearly received is the prime responsibility of the Bidder.

### **2.2.2. Clarification of Bidding Documents**

- i) A prospective Bidder requiring any clarification of the Bidding Document may notify the Procuring Agency in writing or by email at the Procuring Agency’s address indicated in Invitation to Bid / Tender Notice / Advertisement. The Procuring Agency will respond in writing to any request for clarification of the Bidding Document which it receives no later than seven (7) days prior to the deadline for the submission of Bids prescribed in the Bid Data Sheet. Written copies of the Procuring Agency’s response (including an explanation of the query but without identifying) will be sent to all prospective Bidders that have received the Bidding documents.
- ii) A prospective Bidder requiring any clarification of the Bidding Document may notify the Procuring Agency in writing or in electronic form that provides record of the content of

communication at the Procuring Agency's address indicated in the **BDS**.

- iii) The Procuring Agency will within three (3) working days after receiving the request for clarification, respond in writing or in electronic form to any request for clarification provided that such request is received not later than seven (7) days prior to the deadline for the submission of Bids. As prescribed in **ITB 2.2.2 (i), above**. However, this clause shall not apply in case of alternate methods of Procurement.
- iv) Copies of the Procuring Agency's response will be forwarded to all known Prospective Bidders who has acquired the Bidding Document through an expeditious identified source of communication, e.g.: e-mail etc., including a description of the inquiry, but without identifying its source.
- v) Should the Procuring Agency deem it necessary to amend the Bidding Documents a result of a clarification, it shall do so following the procedure under **ITB 2.2.3**.
- vi) If indicated **in the BDS**, the Bidder's designated representative is invited at the Bidder's cost to attend a pre-Bid meeting at the place, date and time mentioned **in the BDS**. During this pre-Bid meeting, prospective Bidders may request clarification of the schedule of requirement, the Evaluation Criteria or any other aspects of the Bidding Documents.
- vii) Minutes of the pre-Bid meeting, if applicable as required, including the text of the questions asked by Bidders, including those during the meeting (without identifying the source) and the responses given, together with any responses prepared after the meeting will be transmitted promptly to all prospective Bidders who have obtained the Bidding Documents. Any modification to the Bidding Document that may become necessary as a result of the pre-Bid meeting shall be made by the Procuring Agency exclusively through the use of an Addendum pursuant to ITB 2.2.3. Non-attendance at the pre-Bid meeting will not be a cause for disqualification of a Bidder.

**2.2.3. Amendment of Bidding Documents**

- i) At any time prior to the deadline for submission of Bids, but not later than three (3) days before the closing time of the submission of Bid, the Procuring Agency, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, may modify the Bidding Document by amendment. Any such change/amendment in the Bidding Document shall be provided in a timely manner, preferably through electronic means also, not later than three (3) days, and on equal opportunity basis as per Rule-25(3) of PPR-14.

- ii) All prospective Bidders that have received the Bidding Document will be notified of the amendment in writing or by email, and will be binding on them.
- iii) Before the deadline for submission of Bids, the Procuring Agency for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder or pre-Bid meeting may modify the Bidding Document by issuing addenda.
- iv) Any addendum issued including the notice of any extension of the deadline shall be part of the Bidding Document and shall be communicated in writing or in any identified electronic form, e.g. email that secures record of the content of subject communication.
- v) In order to allow prospective Bidders reasonable time in which to take an addendum into account in preparing their Bids, the Procuring Agency, at its discretion, may extend the deadline for the submission of Bids, as per rule 29 of PPR-14, in the manner similar to the original advertisements, so as to avoid any inconvenience and to doubly ensure level playing field for all prospective bidders.

## 2.3. Preparation of Bids

### 2.3.1. Language of Bid

- i) The Bid prepared by the Bidder, as well as all correspondence and documents relating to the Bid exchanged by the Bidder and the Procuring Agency shall be written in the language specified in the Bid Data Sheet. Supporting documents and printed literature furnished by the Bidder may be in same language.

### 2.3.2. Bid Form

- i) The Bidder shall complete the Bid Forms (Technical & Financial Forms) provided in the Bidding documents, indicating the services identified in invitation to bid to be provided through “**Authorized Representative**” a person duly authorized to sign on behalf of the Bidder.
- ii) The Bid shall comprise a Technical Proposal, containing the documents listed in **ITB 2.3.2.1** hereof, and a Financial Proposal, containing the documents listed in **ITB 2.3.2.2**, each submitted simultaneously in separately sealed envelopes clearly marked “TECHNICAL PROPOSAL” and “FINANCIAL PROPOSAL” respectively.
- iii) Bidders are expected to carefully examine the Bidding Document when preparing their Bids and use only the relevant Bidding Forms as set out in **ITB 2.2.1 (i)**. Bidding Forms must be completed without any alterations to the text, and no substitutes shall be accepted. All blank spaces shall be filled in with the information requested. Any deviations / omissions / reservations from the formats provided in the Bidding Document



### **2.3.2.1 Technical Proposal**

shall not be accepted and may form basis for the rejection of the Bid. Material deficiencies in providing the information requested may result in rejection of a Bid.

- i) The Technical Proposal shall demonstrate the Bidder's unconditional acceptance of the complete scope of Bidder / contractor's Obligations and any obligations (direct or indirect) of the Bidder under the Contract. Any omission, reservation, deviation or condition attached in the Technical Proposal may cause the Bid to be declared non-responsive.
- ii) The Technical Proposal submitted by the Bidder shall include the following information:
  - a. Signed and filled out Letter of Technical Proposal undertaking unconditional acceptance of the Bidder / contractor's Obligations, as set out in Bidding Form T1 (Letter of Technical Proposal);
  - b. Integrity Pact, as set out in Bidding Form T2 (Form of Integrity Pact), in accordance with ITB 2.6.9 (Integrity Pact);
  - c. Written confirmation authorizing the signatory of the Bid to commit the Bidder, as set out in Bidding Form T3 (Form of Power of Attorney);
  - d. Documentary evidence establishing that the Bidder is eligible and not blacklisted, as set out in Bidding Form T4 (Form of Affidavit), in accordance with Basic Eligibility Criteria;
  - e. Companies Organization and Experience as set out in Bidding Form T5.
  - f. Bid Security, as set out in Bidding Form T6 (Form of Bid Security), in accordance with ITB 2.3.6 (Bid Security);
  - g. Evidence indicated for each requirement of Basic Eligibility Criteria and each qualification criteria specified in Evaluation and Qualification Criteria;
  - h. List of insurances to be obtained by the Bidder in accordance with ITB 2.6.10 (Insurance & Indemnification); and;
  - i. Any other documents required under the Bidding Document (See Bidding Document ITB 2.2).
- iii) The Technical Proposal shall not include any direct or indirect financial information relating to the Financial Proposal. Any Bid having such financial information shall be declared non-responsive.

- iv) The Bidder may sub-contract the project during the Operations Period with the prior written consent of the Procuring Agency. The Bidder will at all times and for all purposes remain liable in connection with any matter which may arise as a result of sub-contracting, including resolution of any disputes; performance, quality, delivery, timeliness etc. of the sub-contracted Bidder / contractor's Obligations etc.
- v) For the sake of clarity, it is specified that the Technical Proposal should include: (i) a brief introduction of the Bidder's organization and an outline of its recent experience (in case of a consortium / joint venture, each partner shall provide such information); (ii) a finalized and exclusive list of proposed personnel by area of expertise in relation to each designation; (iii) any other requirement as per this Bidding Document.
- vi) A technical proposal to be submitted with details of operational model for HR, equipment, vehicles, system provided addressing the scope of work in detail with diagrams and design explaining methodology including verification and confirmation protocol.
  - i) In preparing the Financial Proposal, Bidders are expected to fully understand the requirements and conditions outlined in the Bidding Documents, all contractual obligations of the Procuring Agency, scope of Bidder / contractor's Obligations, and any obligations, direct or indirect, of the Successful Bidder under the Bidding Documents.
  - ii) Bidders would be required to quote their Financial Proposal in line with the requirements of Section III Technical Specifications of this document as whole as well. The technically responsive bidder with the lowest Financial Proposal would be considered as the Successful lowest evaluated Bidder.
  - iii) The Financial Proposal shall provide a quote for the entire Bidder / contractor's Obligations on a "single responsibility" basis such that it covers all obligations of the Bidder mentioned in or to be reasonably inferred from the Bidding Document in respect of the Bidder / contractor's Obligations.
  - iv) Any omission, reservation, deviation or condition included in the Financial Proposal to the contrary may cause the Bid to be declared non-responsive.
  - v) The Financial Proposal /quote of the bidder must be inclusive of all applicable taxes and it shall also comprise the following:
    - a. Bidders are required to specify, in their Financial Proposals, all Bidder / contractor's Taxes applicable in relation to the provision and execution of the Bidder / contractor's Obligations;

### **2.3.2.2 Financial Proposal**

- b. The Bidder shall be responsible for the Bidder / contractor's Taxes in accordance with the requirements as stipulated in the Contract;
  - c. Signed and filled out Letter of Financial Proposal, as set out in Bidding Form F1 (Letter of Financial Proposal);
  - d. Details of Financial Proposal in accordance with ITB 2.3.2.2 (Financial Proposal);
  - e. Any other document required in the Bidding Documents.
- vi) Bidders are hereby cautioned that proposals with conditional offers or deviation from the conditions and instructions contained in this Bidding Document or other requirement stipulated therein shall result in rejection of proposal / Bid as non-responsive and shall not be considered. Under no circumstances shall the Procuring Agency consider / accept a conditional or partial Bid.
  - vii) Only one Bid proposal fulfilling all conditions, instructions and requirement contained in Bidding Document should be submitted by each Bidder. Alternative proposal shall not be accepted. Each Bidder in terms of Rule 36A of PPRA Rules 2014 shall submit only one Bid either by itself or as a partner in a joint venture/consortium. A Bidder who submits or participates in more than one Bid will be disqualified.

### 2.3.3. Bid Prices

- i) The Bidder shall indicate on form **F 1 & F 2**, the Total Bid Price for four years of the services which it proposes to render / provide under the terms and conditions specified in **Section III**.
- ii) Prices indicated on the Price Schedule shall be for Tehsil Liaquat Pur of Bahawalpur District only.
- iii) Bidder shall quote bid price for complete project duration i.e. four years and evaluation will be carried out on the basis of Total Bid Price for four years. Partially / Conditionally filled bid price will be declared non-responsive.
- iv) All the applicable taxes shall be included in the bid price. Any increase / decrease in the taxes, the tax amount will be adjusted as per provisions of prevailing state laws accordingly.
- v) The Bidders must adhere to the minimum wage rate (notified by Labor & Human Resource Department, GOPb), other mandatory regulations as per labor laws and all other obligations as per TORs/Scope of Services while preparing financial bid.
- vi) The Bidder's separation of price components in accordance with ITB Clause 2.3.4(i) above will be solely for the purpose of facilitating the comparison of Bids by the Procuring Agency

and will not in any way limit the Procuring Agency's right to contract on any of the terms offered.

- vii) Prices quoted by the Bidder shall be fixed during the Bidder's performance of the contract and not subject to variation on any account, unless otherwise specified in the Bid Data Sheet. A Bid submitted with an **adjustable price quotation** will be treated as non-responsive and may be rejected.
- viii) The following expenses will be included in the Total Bid Price;
  - ix) All costs associated with the operational management, monitoring, supply of the items for execution as well as performance of works and services according to the Contract, expenses related to fuel, spare parts, maintenance and repair, replacement and depreciation of vehicles (solid waste collection and transportation vehicles / sweeping and washing machines) etc.
  - x) The cost of other incidental items, cost of transportation, cost of trollies, cost of waste bags, containers, dustbins and others mentioned in various sections of the Contract.
  - xi) Cost of hiring the managerial as well as operational and field staff for execution of the Contract.
  - xii) Cost of any or all insurances related to and for the purpose of works and cost of all taxes, duties and levies required to be paid by the Bidder / contractor pursuant to laws of Pakistan as well as provincial government.
  - xiii) All the above-mentioned costs and those mentioned in the sections of the Contract, must be considered and included in the contract price.

#### **2.3.4. Bid Currencies**

- i) Prices shall be quoted in **Pak Rupees** unless otherwise specified in the Bid Data Sheet.
- ii) The Bidders must adhere to the minimum wage rate (notified by Labor & Human Resource Department, GOPb), other mandatory regulations as per labor laws and all applicable taxes (imposed by FBR/PRA/any other government organization) while preparing financial bid.

#### **2.3.5. Documents Establishing Bidder's Eligibility and Qualification**

- i) Pursuant to ITB Clause 2.1.3, the Bidder shall furnish, as part of its Bid, documents establishing the Bidder's eligibility to Bid and its qualifications to perform the contract if its Bid is accepted.
- ii) The documentary evidence of the Bidder's eligibility to Bid shall establish to the Procuring Agency's satisfaction that the

Bidder, at the time of submission of its Bid, is eligible as defined under ITB Clause 2.1.3.

- iii) The documentary evidence, of the Bidder's qualifications to perform the contract if its Bid is accepted, shall establish to the Procuring Agency's satisfaction:
  - (a) that the Bidder has the financial, technical capability necessary to perform the contract;
  - (b) That the Bidder meets the qualification criteria listed in the Bid Data Sheet.
- iv) The Procuring Agency retains the right to verify particulars regarding any information, statements and / or documents furnished with the Bid. Any Bidder found to be misrepresenting information may be disqualified at any stage of the Bidding Process and may be proceed under Rule 20 and 21 of PPRA Rules 2014 and their Bid Security / performance guarantee shall be forfeited, even after award of contract.

### **2.3.6. Bid Security**

- i) The Bidder shall furnish, as part of its Bid, a Bid security in the amount specified in the Bid Data Sheet.
- ii) The Bid security is required to protect the Procuring Agency against the risk of Bidder's conduct which would warrant the security's forfeiture Pursuant to ITB Clause 2.3.6. (vii).
- iii) The Bid security shall be in the form of CDR / Bank Guarantee issued by a scheduled bank in Pakistan or from a foreign bank duly counter guaranteed by a scheduled bank in Pakistan in favor of BWMC valid for a period 30 days beyond the bid validity date.
- iv) Any Bid not secured in accordance with ITB Clauses 2.3.6 (i) & (iii) may be rejected by the Procuring Agency as non-responsive.
- v) Unsuccessful Bidders' Bid security will be discharged or returned as promptly as possible but not later than 30 days after the execution of contract with the successful bidder expiration of the period of Bid validity prescribed by the Procuring Agency pursuant to ITB Clause 2.3.7 (iii) (a) or along with unopened financial proposal as per rule 38(2)(a)(vii) of PPR-14, which shall take precedence, and is as under:

*“38(2)(a)(vii) the financial proposal of the Bids found technically non-responsive shall be retained unopened and shall be returned on the expiry of the grievance period or the decision of the complaint, if any, filed by the non-responsive Bidder, whichever is later: provided that the Procuring Agency may return the sealed financial proposal earlier if the disqualified or non-responsive Bidder, contractor submits an affidavit, through an authorized representative, to the effect that he is satisfied with the proceedings of the Procuring Agency”.*

- vi) The successful Bidder's Bid security will be discharged upon the Bidder signing the contract, pursuant to ITB Clause 2.6.1, and furnishing the Performance Guarantee, pursuant to ITB Clause 2.6.2.
- vii) The Bid security may be forfeited:
  - a. If a Bidder withdraws its Bid during the period of Bid validity specified by the Bidder on the Bid Form; or
  - b. In the case of a successful Bidder, if the Bidder:
    - i. Fails to sign the contract in accordance with ITB Clause 2.6.3; **or**
    - ii. Fails to furnish Performance Guarantee in accordance with ITB Clause 2.6.2; or
    - iii. Is blacklisted under relevant provisions of PPRA Act, 2009 and PPR-14.

**2.3.7. Period of Validity of Bids**

- i) Bids shall remain valid for the period specified in the Bid Data Sheet after the date of Bid opening prescribed by the Procuring Agency. A Bid valid for a shorter period may be rejected by the Procuring Agency as non-responsive.
- ii) In exceptional circumstances, the Procuring Agency may solicit the Bidder's consent to an extension of the period of validity (as per rule-28 of PPR-14). The request and the responses thereto shall be made in writing (or by email). The Bid security provided under ITB Clause 2.3.7 shall also be suitably extended. A Bidder may refuse the request without forfeiting of its Bid security. A Bidder accepting the request will neither be allowed nor permitted to modify its Bid.

**2.3.8. Format and Signing of Bid**

- i) The Bidder shall prepare an original and the number of copies of the Bid indicated in the Bid Data Sheet, clearly marking each "ORIGINAL BID" and "COPY OF BID," as appropriate. In the event of any discrepancy between them, the original shall prevail.
- ii) The original and the copy or copies of the Bid shall be typed or written in indelible ink and shall be signed by the Bidder or a person or persons duly authorized to bind the Bidder to the contract. All pages of the Bid, shall be initialed by the person or persons signing the Bid. This authorization shall consist of a written confirmation as specified in the **BDS** and shall be attached to the Bid. The name and position held by each person signing the authorization must be typed or printed below the signature.
- iii) Any interlineation, erasures, or overwriting shall be valid only if they are initialed by the person or persons signing the Bid.

**2.3.9. Minimum Wage rates/all applicable taxes**

- i) The Bidders must adhere to the minimum wage rate (notified by Labor & Human Resource Department, GOPb) and other obligations as per labor laws and all applicable taxes (Income Tax & PRA etc.) imposed by Govt. of Punjab while preparing financial bid.

**2.4. Submission of Bids**

**2.4.1 Sealing and Marking of Bids**

- i) As per Rule 24 of PPRA Rules 2014, the Bidder shall seal the original and each copy of the Bid in separate envelopes, duly marking the envelopes as “ORIGINAL” and “COPY.” The envelopes shall then be sealed in an outer envelope.
- ii) The inner and outer envelopes shall:
  - a. be addressed to the Procuring Agency at the address given in the Bid Data Sheet; and
  - b. bear the title of procurement Activity indicated in the Bid Data Sheet, the Invitation to Bids (ITB) title and number indicated in the Bid Data Sheet, and a statement: “DO NOT OPEN BEFORE Date and Time as specified in the Bid Data Sheet, pursuant to ITB Clause 2.4.2.
- iii) The inner envelopes shall also indicate the name and address of the Bidder to enable the Bid to be returned unopened in case it is declared “late”.
- iv) If the outer envelope is not sealed and marked as required by ITB Clause 2.4.1 (i), the Procuring Agency will assume no responsibility for the Bid’s misplacement or premature opening.
- v) In case of Single Stage One Envelope Procedure, the Bidder shall seal the original and each copy of the Bid in separate envelopes, duly marking the envelopes as “ORIGINAL” and “COPY.” The envelopes shall then be sealed in an outer envelope securely sealed in such a manner that opening and resealing cannot be achieved undetected.  
**Note:** The envelopes shall be sealed and marked in accordance with the bidding procedure adopted as referred in Rule-38 of PPR-2014, which shall have precedence.
- vi) The inner and outer envelopes shall:
  - a) be addressed to the Procuring Agency at the address given in the **BDS**; and
  - b) bear the title of the subject procurement or Project name, as the case may be as indicated in the **BDS**, the Invitation to Bids (ITB) title and number indicated in the **BDS**, and a statement: “DO NOT OPEN BEFORE,” to be completed with the time and the date specified in the **BDS**, pursuant to **ITB 2.4.2.**

- vii) In case of **Single Stage Two Envelope Procedure**, The Bid shall comprise two envelopes submitted simultaneously, one called the Technical Proposal and the other Financial Proposal. Both envelopes to be enclosed together in an outer single envelope called the Bid. Each Bidder shall submit his bid as under:
  - a) Bidder shall submit his TECHNICAL PROPOSAL and FINANCIAL PROPOSAL in separate inner envelopes and enclosed in a single outer envelope.
  - b) ORIGINAL and each copy of the Bid shall be separately sealed and put in separate envelopes and marked as such.
  - (c) The envelopes containing the ORIGINAL and copies will be put in one sealed envelope and addressed / identified as given in BDS.
- viii) The inner and outer envelopes shall:
  - a) be addressed to the Procuring Agency at the address provided in the BDS;
  - b) bear the name and identification number of the contract as defined in the BDS; and provide a warning not to open before the time and date for bid opening, as specified in the BDS, pursuant to ITB 2.4.2;
  - c) In addition to the identification required in Sub- Clause (b) 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 ITB.2.4.3.
- ix) If all envelopes are not sealed and marked as required by **ITB 2.4.1** or incorrectly marked, the Procuring Agency will assume no responsibility for the misplacement or premature opening of Bid.

**2.4.2 Deadline for Submission of Bids**

- i) Bids must be received by the Procuring Agency at the address specified under BDS no later than the time and date specified in the Bid Data Sheet.
- ii) The Procuring Agency may, at its discretion and as per rule 29 of PPR-14, extend this deadline for the submission of Bids by amending the Bidding Document in accordance with ITB Clause 2.2.2 & 2.2.3 in which case all rights and obligations of the Procuring Agency and Bidders previously subject to the deadline will thereafter be subject to the deadline as extended.
- iii) Bids shall be received by the Procuring Agency at the address specified under **BDS** no later than the date and time specified in the **BDS**.

**2.4.3. Late Bids**

- i) Any Bid received by the Procuring Agency after the deadline for submission of Bids prescribed by the Procuring Agency pursuant to ITB Clause 2.4.2 will be rejected and returned unopened to the Bidder.



- ii) The Procuring Agency shall not consider for evaluation any Bid that arrives after the deadline for submission of Bids.
- iii) Any Bid received by the Procuring Agency after the deadline for submission of Bids shall be declared late, recorded, rejected and returned unopened to the Bidder.

#### **2.4.4. Modification and Withdrawal of Bids**

- i) The Bidder may modify or withdraw its Bid after the Bid's submission, provided that written notice of the modification, including substitution or withdrawal of the Bids, is received by the Procuring Agency prior to the deadline prescribed for submission of Bids.
- ii) The Bidder's modification or withdrawal notice shall be prepared, sealed, marked, and dispatched in accordance with the provisions of Clause (i) A withdrawal notice may also be sent by email, but followed by a signed confirmation copy, postmarked not later than the deadline for submission of Bids.
- iii) No Bid may be modified after the deadline for submission of Bids.
- iv) No Bid may be withdrawn in the interval between the deadline for submission of Bids and the expiration of the period of Bid validity specified by the Bidder on the Bid Form. Withdrawal of a Bid during this interval may result in the Bidder's forfeiture of its Bid security (along with other remedies available under PPR-14), pursuant to the ITB Clause 2.3.7 (vii).
- v) A Bidder may withdraw its Bid after it has been submitted, provided that written notice of the withdrawal of the Bid, is received by the Procuring Agency prior to the deadline for submission of Bids.
- vi) Revised bid may be submitted after the withdrawal of the original bid before the deadline for submission of Bids.

## **2.5. Opening and Evaluation of Bids**

### **2.5.1. Opening of Bids by the Procuring Agency**

- i) The Procuring Agency will open all Bids, in public, in the presence of Bidders' or their representatives who choose to be present on the date and time, specified in the **BDS**. The Bidders' representatives present shall sign a register as proof of their attendance.
- ii) First, envelopes marked "WITHDRAWAL" shall be opened and read out and the envelope with the corresponding bid shall not be opened, but returned to the Bidder. No bid withdrawal shall be permitted unless the corresponding Withdrawal Notice contains a valid authorization to request the withdrawal and is read out at bid opening.

- iii) Second, outer envelopes marked “SUBSTITUTION” shall be opened. The inner envelopes containing the Substitution Bid shall be exchanged for the corresponding Original Bid being substituted, which is to be returned to the Bidder unopened. No envelope shall be substituted unless the corresponding Substitution Notice contains a valid authorization to request the substitution and is read out and recorded at bid opening.
- iv) Next, outer envelopes marked “MODIFICATION” shall be opened. No Technical Proposal and/or Financial Proposal shall be modified unless the corresponding Modification Notice contains a valid authorization to request the modification and is read out and recorded at the opening of the Bids. Any Modification shall be read out along with the Original Bid except in case of Single Stage Two Envelope Procedure where only the Technical Proposal, both Original as well as Modification, are to be opened, read out, and recorded at the opening. Financial Proposal, both Original and Modification, will remain unopened till the prescribed financial bid opening date.
- v) Other envelopes holding the Bids shall be opened one at a time, in case of Single Stage One Envelope Procedure, the Bidders names, the Bid prices, the total amount of each Bid and of any alternative Bid (if alternatives have been requested or permitted), any discounts, the presence or absence of Bid Security, Bid Securing Declaration and such other details as the Procuring Agency may consider appropriate, will be announced by the Procurement Evaluation Committee.
- vi) In case of Single Stage Two Envelope Procedure, the Procuring Agency will open the Technical Proposals in public at the address, date and time specified in the **BDS** in the presence of Bidders` designated representatives who choose to be present. The Financial Proposals will remain unopened and will be held in the safe custody of the Procuring Agency until the specified time of their opening.
- vii) The envelopes holding the Technical Proposals shall be opened one at a time, and the following read out and recorded: (a) the name of the Bidder; (b) whether there is a modification or substitution; (c) the presence of a Bid Security, if required; and (d) Any other details as the Procuring Agency may consider appropriate.
- viii) Bids not opened and not read out at the Bid opening shall not be considered further for evaluation, irrespective of the circumstances. In particular, any discount offered by a Bidder which is not read out at Bid opening shall not be considered further.

- ix) If the bid opening is to be attended through the authorized representative then the bidders are advised to send in a representative fully aware with the content of the Bid who shall verify the information read out from the submitted documents. Failure to send a representative or to point out any un-read information by the sent Bidder's representative shall indemnify the Procuring Agency against any claim or failure to read out the correct information contained in the Bidder's Bid.
- x) No Bid will be rejected at the time of Bid opening except for late Bids which will be returned unopened to the Bidder, pursuant to **2.4.3 (i)**.
- xi) The Procuring Agency shall prepare minutes of the Bid opening. The record of the Bid opening shall include, as a minimum: the name of the Bidder and whether or not there is a withdrawal, substitution or modification, the Bid price if applicable.
- xii) The Bidders' representatives who are present shall be requested to sign on the attendance sheet. The omission of a Bidder's signature on the record shall not invalidate the contents and affect the record. A copy of the record shall be distributed to all the Bidders.
- xiii) A copy of the minutes of the Bid opening shall be provided to individual Bidders upon request.

**2.5.2.  
Confidentiality**

- i) Information relating to the examination, clarification, evaluation and comparison of Bids and recommendation of contract award shall not be disclosed to Bidders or any other persons not officially concerned with such process until the time of the announcement of the respective evaluation report in accordance with the requirements of rule 37 of PPR-14.
- ii) Any effort by a Bidder to influence the Procuring Agency processing of Bids or award decisions may result in the rejection of its Bid.
- iii) Notwithstanding **ITB Clause 2.2.2** from the time of Bid opening to the time of contract award, if any Bidder wishes to contact the Procuring Agency on any matter related to the Bidding process, it should do so in writing or in electronic forms that provides record of the content of communication.

**2.5.3. Clarification  
of Bids**

- i) As per rule 33(2) of PPR-14, to assist in the examination, evaluation and comparison of Bids and post-qualification of the Bidders, the Procuring Agency may, at its discretion, ask any Bidder for a clarification of its Bid including breakdown of prices. Any clarification submitted by a Bidder that is not in response to a request by the Procuring Agency shall not be considered.

- ii) The request for clarification and response shall be in writing that provide record of the content of communication. No change in the prices or substance of the bid shall be sought, offered, or permitted.
- iii) The alteration or modification in the Bid which in any way affect the following parameters will be considered as a change in the substance of a bid:
  - a) evaluation & qualification criteria;
  - b) Required scope of “Outsourcing of Solid Waste Management Services (Along with Available Resources) for Tehsil Liaqat Pur”.
  - c) all securities requirements;
  - d) tax requirements;
  - e) Terms and conditions of bidding documents.
  - f) change in the ranking of the Bidder
- iv) From the time of Bid opening to the time of Contract award if any Bidder wishes to contact the Procuring Agency on any matter related to the Bid it should do so in writing or in electronic forms that provide record of the content of communication.

#### **2.5.4. Preliminary Examination**

- i) The Procuring Agency will examine the Bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the Bids are generally in order.
- ii) Arithmetical errors will be rectified on the following basis:-
  - a. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the total price shall be corrected. If the Service Provider does not accept the correction of the errors, its Bid may be rejected, and its Bid security may be forfeited.
  - b. If there is a discrepancy between words and figures, the amount in words will prevail.
- iii) Pursuant to ITB Clause 2.5.5 prior to the detailed evaluation, the Procuring Agency will determine the substantial responsiveness of each Bid to the Bidding documents. For purposes of these Clauses, a substantially responsive Bid is one which conforms to all the terms and conditions of the Bidding Document without material deviations. Deviations from, or objections or reservations to critical provisions, **such as** those concerning **Bid Security** (ITB Clause 2.3.7), **Applicable Law** (GCC Clause 26), **Taxes and Duties** (GCC Clause 28) & mandatory Registrations/ Renewals will be deemed to be a

material deviation. The Procuring Agency's determination of a Bid's responsiveness shall be based on the contents of the Bid itself without recourse to extrinsic evidence.

- iv) If a Bid is not substantially responsive, it will be rejected by the Procuring Agency and shall not be allowed to subsequently be made responsive by the Bidder by correction of the non-conformity.
- v) Prior to the detailed evaluation of Bids, the Procuring Agency will determine whether each Bid:
  - a) meets the eligibility / evaluation criteria defined in **ITB 2.1.3**;
  - b) has been prepared as per the format and contents defined by the Procuring Agency in the Bidding Documents;
  - c) has been properly signed;
  - d) is accompanied by the required securities; and
  - e) Is substantially responsive to the requirements of the Bidding Documents.

The Procuring Agency's determination of a Bid's responsiveness will be based on the contents of the Bid itself.

#### **2.5.5. Examination of Terms and Conditions; Technical Evaluation**

- i) The Procuring Agency shall examine the Bid to confirm that all terms and conditions specified in the **GCC** and the **SCC** have been accepted by the Bidder without any material deviation or reservation.
- ii) The Client's evaluation committee shall evaluate the Technical Bids/Proposals and on the basis of their responsiveness to the Terms of Reference/scope of services and the Bid Document, applying the evaluation criteria, sub-criteria, and point system if any specified in the Bid Data Sheet. Each responsive Bid/Proposal will be given a technical score, if any indicated in the data sheet. A Bid/Proposal shall be rejected at this stage if it does not respond to important aspects of the Bid document or if it fails to achieve the minimum technical score/Mandatory Evaluation Criteria, if any indicated in the Data Sheet
- iii) The Procuring Agency shall evaluate the technical aspects of the Bid submitted to confirm that all requirements specified in **Section VII – Schedule of Requirements and Evaluation Criteria as provided in BDS**, have been met without material deviation or reservation.
- iv) After the technical evaluation is completed, the Client shall notify those Bidders/Service providers, who's Bids/Proposals were considered non-responsive to the bid document and TOR or did not meet the minimum qualifying technical score and their Financial Bids/Proposals will be

returned unopened after completing the selection process and Contract signing. The Client shall simultaneously notify in writing those Bidders/Service providers that have achieved/qualified the minimum overall technical score/Mandatory evaluation criteria and inform them of the date, time and location for the opening of the financial bids/Proposals. The opening date should allow the Bidders/Service providers sufficient time to make arrangements for attending the financial bid opening. The Bidders/Service provider's attendance at the opening of the Financial Bids/Proposals (in person) is optional and is at the Bidders/Service provider's choice.

- v) The Financial Bids/Proposals shall be opened by the Client's Bid/evaluation committee in the presence of the representatives of those Service providers whose bids/proposals have passed the minimum technical score/mandatory criteria and who chose to be present.
- vi) If after the examination of the terms and conditions and the technical evaluation, the Procuring Agency determines that the Bid is not responsive in accordance, it shall reject the Bid.

#### **2.5.6. Correction of Errors**

- i) Bids determined to be substantially responsive will be checked for any arithmetic errors. Errors will be corrected as follows:-
  - a) if there is a discrepancy between unit prices and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the total price shall be corrected, unless in the opinion of the Procuring Agency there is an obvious misplacement of the decimal point in the unit price, in which the total price as quoted shall govern and the unit price shall be corrected;
  - b) if there is an error in a total corresponding to the addition or subtraction of sub-totals, the sub-totals shall prevail and the total shall be corrected; and
  - c) Where there is a discrepancy between the amounts in figures and in words, the amount in words will govern.
  - d) Where there is discrepancy between grand total of price schedule and amount mentioned on the Form of Bid, the amount referred in Price Schedule shall be treated as correct subject to elimination of other errors.
- ii) The amount stated in the Bid will, be adjusted by the Procuring Agency in accordance with the above procedure for the correction of errors. The concurrence of the Bidder shall be considered as binding upon the Bidder. If the Bidder does not accept the corrected amount, its Bid will then be rejected, and the Bid Security may be forfeited or the Bid Securing Declaration may be executed in accordance with **ITB 2.3.7.**

### 2.5.7. Conversion to Single Currency

- i) As per rule 32(2) of PPR-14, to facilitate evaluation and comparison, the Procuring Agency will convert all Bid prices expressed in the amounts in various currencies in which the Bid prices as follows:

In terms of PPRA of Rules 2014 for the purposes of comparison of bids prices quoted in different currencies, the price shall be converted into a single currency specified in the bidding documents. The rate of exchange shall be the selling rate, prevailing on the date of opening of bids specified in the bidding documents, as notified by the State Bank of Pakistan on that day.

### 2.5.8. Post-qualification & Evaluation of Bids

- i) In the absence of **prequalification**, the Procuring Agency will determine to its satisfaction whether the Bidder is qualified to perform the contract satisfactorily, in accordance with the evaluation criteria listed in BDS & pursuant to ITB Clause 2.1.3.
- i) The determination will take into account the Bidder's financial, technical, and production/ supplying capabilities. It will be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, as well as such other information required for eligibility/qualification expressed in Bid Data Sheet as the Procuring Agency deems necessary and appropriate.
- ii) The Procuring Agency will **technically evaluate** and compare the Bids which have been determined to be substantially responsive, pursuant to ITB Clause 2.5.5.
- iii) The **financial evaluation** of a Bid will be on the basis of Total Bid Price for four years as quoted / offered by the bidder in Price Schedule / Financial Bid Form (F1 & F2) which must be inclusive of all applicable / prevailing taxes, duties, charges and other obligations as per TORs / Scope of services along with observance of minimum wages, regulations as per labor laws and other obligations under the TORs / Scope of Services etc.

### 2.5.9. Contacting the Procuring Agency

- i) Subject to ITB Clause 2.5.3, no Bidder shall contact the Procuring Agency on any matter relating to its Bid, from the time of the Bid opening to the time the evaluation report is made public i.e. 10 days before the contract is awarded. If the Bidder wishes to bring additional information or has grievance to the notice of the Procuring Agency, it should do so in writing.
- ii) Any effort by a Bidder to influence the Procuring Agency during Bid evaluation, or Bid comparison may result in the rejection of the Bidder's Bid.

### 2.5.10. Grievance Redressal

- i) As per Rule-67 of PPR-14, Procuring Agency shall constitute an exclusive Grievance Redressed Committee (GRC) comprising of odd number of persons with proper powers and authorization to address the complaints. The Committee may

preferably have one specialist depending upon the nature of the procurement in addition to one person with legal background.

- ii) Any Bidder feeling aggrieved can file its written complaint against the eligibility parameters or any other terms and conditions prescribed in the Bidding Document found contrary to provision of Rule 33, and the same shall be addressed by the GRC well before the proposal submission deadline.
- iii) Any party can file its written complaint against the eligibility parameters or any other terms and conditions prescribed in the Bidding Document found contrary to provision of Rule 34 and the same shall be addressed by the GRC well before the proposal submission deadline.
- iv) Any Bidder feeling aggrieved by any act of the Procuring Agency after the submission of his Bid may lodge a written complaint concerning his grievances not later than ten days after the announcement of the Final evaluation reports. In case of single stage - two envelope bidding procedure any bidder feeling aggrieved from technical evaluation may file a grievance within 5 days of announcement of the technical evaluation report. After completion of the technical evaluation process, the procuring agency shall immediately upload the technical evaluation report on the website of PPRA for obtaining/ receiving grievance petitions from the prospective bidders (if any).
- v) In case, the complaint is filed after the issuance of the final evaluation report, the complainant cannot raise any objection on technical evaluation of the report. Provided that the complainant may raise the objection on any part of the final evaluation report in case where single stage one envelop bidding procedure is adopted
- vi) The GRC shall investigate and decide upon the complaint within fifteen days of the receipt of the complaint. Mere fact of lodging of a complaint shall not warrant suspension of the procurement process.

## **2.6. Award of Contract**

### **2.6.1. Notification of Award**

- i) Prior to the expiration of the period of Bid validity, the Procuring Agency will notify the successful Bidder in writing by registered letter or by email to be confirmed in writing by registered letter, that its Bid has been accepted.
- ii) The notification of award will constitute the formation of the Contract.
- iii) Upon the successful Bidder's furnishing of the Performance Guarantee, the Procuring Agency will promptly notify each unsuccessful Bidder and will discharge its Bid security, pursuant to ITB Clause 2.3.7.



- iv) The successful bidder will provide stamp papers as per stamp paper Act II of 1899 and as per requirement of Procuring Agency.
- 2.6.2. Performance Guarantee**
- i) Within Fifteen (15) days of the receipt of notification of award from the Procuring Agency, the successful Bidder shall furnish the Performance Guarantee in accordance with the Conditions of Contract, in the Performance Guarantee Form provided in the Bidding documents.
- ii) Failure of the successful Bidder to comply with the requirement of ITB Clause (i) above or ITB Clause 2.6.3 shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid security along with other remedies available under PPR-14. After that, the Procuring Agency may decide to award the contract to the next lowest evaluated Bidder, keeping in view the Bid validity time, or call for new Bids keeping in view the concept of value for money as defined under rule-2(ae) read with Principles of Procurement as enunciated in rule-4 of PPR-14.
- 2.6.3. Signing of Contract/ Issuance of work Order**
- i) At the same time as the Procuring Agency notifies the successful Bidder that its Bid has been accepted, the Procuring Agency will send the Bidder the Contract Form provided in the Bidding documents, incorporating all Contracts between the parties.
- ii) Under rule-63 of PPR-14, where the Procuring Agency requires formal signing of contract, within Three (03) days of receipt of the Contract Form, the successful Bidder shall sign and mention date of the contract and return it to the Procuring Agency.
- iii) Where no such formal signing is required by the procuring agency, the procuring agency shall issue purchase order after the receipt of required performance guarantee, as per rule 55 of PPR-14.
- 2.6.4. Award Criteria**
- i) Subject to ITB Clause 2.6.2, under rule-55 of PPR-14, the Procuring Agency will award the contract to the successful Bidder whose Bid has been determined to be substantially responsive and has been determined to be the lowest evaluated Bid, provided that the Bidder has been determined to be qualified to perform the contract satisfactorily.
- 2.6.5. Procuring Agency's Right to Vary Quantities at Time of Award**
- i) The Procuring Agency within permissible rules may increase or decrease the scope of services / quantities of **Outsourcing of Solid Waste Management Services including Primary and Secondary Collection, Transportation and Disposal of Solid Waste to Dumpsite Tehsil Liaqat Pur.**
- 2.6.6. Procuring Agency's Right to**
- i) As per rule 35 of PPR-14, the Procuring Agency reserves the right to accept or reject all Bids or proposals (and to annul the Bidding process) at any time prior to the acceptance of any Bid

**Accept or Reject All Bids**

or proposal, without thereby incurring any liability towards the Bidders. However, the Authority (i.e. PPRA) may call from the Procuring Agency the justification of those grounds.

- ii) The Bidders shall be promptly informed about the rejection of the Bids, if any
- iii) The Procuring Agency shall upon its request communicate to any Bidder, the grounds for rejection of all Bids or proposal, but shall not be required to justify those grounds.

**2.6.7. Re-Bidding**

- i) If the Procuring Agency rejects all the Bids under rule 35, it may proceed with the process of fresh Bidding but before doing that it shall assess the reasons for rejection and may, if necessary, revise specifications, evaluation criteria or any other condition for Bidders.

**2.6.8. Corrupt or Fraudulent Practices**

- i) The Procuring Agency requires that Bidders, Service Providers, and Contractors observe the highest standard of ethics during the procurement and execution of contracts.

“Corrupt practices” in respect of procurement process, shall be as defined under in Section-2 (d) of PPRA, Act, 2009,

*“(d) “corrupt practice” means the offering, giving, receiving, or soliciting of anything of value to influence the action of a public official, bidder or Contractor in the procurement process or in Contract execution to the detriment of the procuring agency; 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, noncompetitive levels and to deprive the procuring agency 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; it may include any of the following:*

- i. coercive practice by impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence the actions of a party to achieve a wrongful gain or to cause a wrongful loss to another party;*
- ii. collusive practice by arrangement between two or more parties to the procurement process or Contract execution, designed to achieve with or without the knowledge of the procuring agency to establish prices at artificial, noncompetitive levels for any wrongful gain;*
- iii. offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence the acts of another party for wrongful gain;*
- iv. any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;*

- v. *obstructive practice by harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in a procurement process, or affect the execution of a Contract or deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements before investigators in order to materially impede an investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation, or acts intended to materially impede the exercise of inspection and audit process.”*

**ii) Blacklisting & Debarment:**

Blacklisted firms / bidders and those who have gone in the court against such order are not allowed to participate in bidding. If any bidder during the bidding process or the contractor after award of contract found involved any of the practice as defined & mentioned under section 2(d) of PPRA Act 2009 read with Rule 20 and 21 of PPRA Rules 2014 and schedule attached herewith shall be proceeded against as per aforementioned PPRA Act/Rules.

**Sub Requirements & Procedure for Blacklisting & Debarment:**

As per S-17A of PPRA, Act, 2009:

**“17A. Blacklisting.** (1) *A procuring agency may, for a specified period and in the prescribed manner, debar a bidder or Contractor from participating in any public procurement process of the procuring agency, if the bidder or Contractor indulges in corrupt practice or any other prescribed practice.*

(2) *The Managing Director may, in the prescribed manner, debar a bidder or Contractor from participating in any public procurement process of all or some of the procuring agencies for a specified period.*

(3) *Any person, aggrieved from a decision of a procuring agency, may within prescribed period prefer a representation before the Managing Director.*

(4) *A procuring agency or any other person, aggrieved from a decision of the Managing Director, may within prescribed period prefer a representation before the Chairperson whose decision on such representation shall be final.]*

As per rule 21 of PPR-14:

**21. Blacklisting.**—(1) *A procuring agency may, for a specified period, debar a bidder or Contractor from participating in any public*

*procurement process of the procuring agency, if the bidder or Contractor has:*

- (a) acted in a manner detrimental to the public interest or good practices;*
- (b) consistently failed to perform his obligation under the Contract;*
- (c) not performed the Contract up to the mark; or*
- (d) Indulged in any corrupt practice.*

*(2) If a procuring agency debar a bidder or Contractor under sub-rule (1), the procuring agency:*

- (a) shall forward the decision to the Authority for publication on the website of the Authority; and*
- (b) May request the Authority to debar the bidder or Contractor for procurement of all procuring agencies.*

*(3) The Managing Director may debar a bidder or Contractor of any procuring agency from participating in any public procurement process of all or some of the procuring agencies for such period as the Managing Director may determine.*

*(4) Any person aggrieved by a declaration made under rule 20 or a decision under sub-rule (1) of this rule may, within thirty days from the date of the publication of the information on the website of the Authority, file a representation before the Managing Director and the Managing Director may pass such order on the representation as he may deem fit.*

*(5) Any person or procuring agency aggrieved by an order under sub-rule (3) or (4) may, within thirty days of the order, file a representation before the Chairperson and the Chairperson may pass such order on the representation as he may deem appropriate.*

*(6) The mechanism or process for barring a bidder or Contractor from participating in procurement process of a procuring agency, procuring agencies and a representation under this rule is specified in the Schedule appended to these rules.*

*As per Schedule appended with PPR-14:*

#### **SCHEDULE**

*see sub-rule (6) of rule 21*

#### **BLACKLISTING MECHANISM OR PROCESS**

- 1. The procuring agency may, on information received from any resource, issue show cause notice to a bidder or Contractor.*
- 2. The show cause notice shall contain:*
  - (a) precise allegation, against the bidder or Contractor;*
  - (b) the maximum period for which the procuring agency proposes to debar the bidder or Contractor from participating in any public procurement of the procuring agency; and*
  - (c) The statement, if needed, about the intention of the procuring agency to make a request to the Authority for*

*debaring the bidder or Contractor from participating in public procurements of all the procuring agencies.*

3. *The procuring agency shall give minimum of seven days to the bidder or Contractor for submission of written reply of the show cause notice.*
4. *In case, the bidder or Contractor fails to submit written reply within the requisite time, the procuring agency may issue notice for personal hearing to the bidder or Contractor/ authorize representative of the bidder or Contractor and the procuring agency shall decide the matter on the basis of available record and personal hearing, if availed.*
5. *In case the bidder or Contractor submits written reply of the show cause notice, the procuring agency may decide to file the matter or direct issuance of a notice to the bidder or Contractor for personal hearing.*
6. *The procuring agency shall give minimum of seven days to the bidder or Contractor for appearance before the specified officer of the procuring agency for personal hearing.*
7. *The procuring agency shall decide the matter on the basis of the available record and personal hearing of the bidder or Contractor, if availed.*
8. *The procuring agency shall decide the matter within fifteen days from the date of personal hearing unless the personal hearing is adjourned to a next date and in such an eventuality, the period of personal hearing shall be reckoned from the last date of personal hearing.*
9. *The procuring agency shall communicate to the bidder or Contractor the order of debaring the bidder or Contractor from participating in any public procurement with a statement that the bidder or Contractor may, within thirty days, prefer a representation against the order before the Managing Director of the Authority.*
10. *The procuring agency shall, as soon as possible, communicate the order of blacklisting to the Authority with the request to upload the information on its website.*
11. *If the procuring agency wants the Authority to debar the bidder or Contractor from participating in any public procurement of all procuring agencies, the procuring agency shall specify reasons for such dispensation.*
12. *The Authority shall immediately publish the information and decision of blacklisting on its website.*
13. *In case of request of a procuring agency under para 11 or representation of any aggrieved person under rule 21, the Managing Director shall issue a notice for personal hearing to the parties and call for record of proceedings of blacklisting. The parties may file written statements and documents in support of their contentions.*
14. *In case of representation of any aggrieved person or procuring agency under rule 21, the Chairperson shall issue a notice for*

*personal hearing to the parties and may call for the record of the proceedings. The parties may file written statements and documents in support of their contentions.*

15. *In every order of blacklisting under rule 21, the procuring agency shall record reasons of blacklisting and also reasons for short, long or medium period of blacklisting.*
16. *The Authority shall upload all the decisions under rule 21, available with it, on its website. But the name of a bidder or Contractor shall immediately be removed from the list of blacklisted persons on expiry of period of blacklisting or order of the competent authority to that effect, whichever is earlier.*
17. *An effort shall be made for electronic communication of all the notices and other documents pursuant to this mechanism or process.”*

iii) Furthermore, Bidders must keep themselves aware of the provision stated in clause 5.4 and clause 24.1 of the General Conditions of Contract.

### **2.6.9 Integrity Pact**

2.6.9.1 Each Bidder shall sign and stamp the Bidding Form T2 (Form of Integrity Pact) provided in the Bidding Document (the “Integrity Pact”). Failure to provide such Integrity Pact may render the Bid non-responsive.

### **2.6.10 Insurance and Indemnification**

2.6.10.1 If a Bidder is selected as the Successful Bidder, it will be presumed that it understands, undertakes and confirms all the terms & conditions pre-requisite and requirement of the project already conveyed through detailed bidding document and shall be responsible for procuring the relevant insurances relating to the Bidder / contractor`s Obligations, including those required under law and for theft and arson of the vehicles and workers` insurance (other than any insurances which may be the responsibility of the Employer). All fees, costs and other expenditures relating to such insurances shall be borne by the Bidder / contractor.

2.6.10.2 Furthermore, the cost for insurances may be included in the Financial Proposal by the Bidders. The Bidders are required to specify all the insurances that typically required for the project of this nature including those specified in the Agreement.

2.6.10.3 The Bidder / contractor shall be responsible for safeguarding of work and workplaces and shall take all insurances required by pertinent legislations and submit the policies thereof to the Employer. The Bidder / contractor shall be responsible for any damages caused by its staff, personnel, assignees, Sub-Contractors etc. including staff outsourced/handed over by BWMC, in respect of work

performed under the Agreement.

2.6.10.4 The Bidder / contractor shall indemnify the BWMC, its employees against all losses and claims in respect of:

- I. Death or injury to any person, due to accident.
- II. Loss or damage to any vehicle, plant, property which may arise out of accident or public riot or in consequences of performing the Bidder / contractor`s Obligations and against all claims, proceedings, damages, cost, charges and expenses, whatsoever in respect of or in relation thereto.
- III. Defects in Bidder / contractor`s performance of the Bidder / contractor`s Obligations.
- IV. Actions and omissions of the Sub-Contractor.
- V. The Bidder / contractor shall be directly responsible for the choice or use of defective or non-compliant tools or machineries, deficiencies of performance in works and services, mistakes in sufficient supervision or any failure to incur other losses and damages which may occur due to similar reasons.

## **Section-III. Technical Specifications / TORs**

### **Scope of Services**

Technical Specifications and Scope of Services are described as under;



# **OUTSOURCING** of Solid Waste Management System



## **LIAQATPUR TEHSIL**



## **List of Abbreviations**

<b>BW</b>	Bulk Waste
<b>DC</b>	District Council
<b>DTD</b>	Door to Door
<b>DS</b>	Dumpsite
<b>HH</b>	Household
<b>KM</b>	Kilo Meter
<b>LGCD</b>	Local Government & Community Development
<b>BWMC</b>	Bahawalpur Waste Management Company
<b>MC</b>	Municipal Committee
<b>MSW</b>	Municipal Solid Waste
<b>M<sup>3</sup></b>	Cubic Meter
<b>SOP</b>	Standard Operating Procedure
<b>SWM</b>	Solid Waste Management
<b>SW</b>	Sanitary Worker
<b>TCP</b>	Temporary Collection Point
<b>UC</b>	Union Council
<b>WB</b>	World Bank

### 3.1 Demography

The current Local Government and Community Development (LGCD) division of Tehsil/District comprises a blend of Municipal Committees and the District Council. According to existing demography, the urban sector of the Tehsil consists of Municipal Committees, while the remaining areas fall under the jurisdiction of the District Council. Municipal Committees are organized into wards, whereas the District Council comprises Union Councils, encompassing villages, towns, and semi-urban areas within the Tehsil.

Tehsil LIAQATPUR comprises of 02 Municipal Committees MC Liaqatpur and MC Tarndasaway Khan having 37 Rural UCs. The main particulars of tehsil Liaqatpur is as follow;

**Table 1: Summary of Tehsil Liaqat Pur**

<b>Tehsil Liaqatpur</b>	
<b>Municipal Committee:</b>	2
<b>Union Councils:</b>	37
<b>Villages in UCs :</b>	438
<b>Area (Sq. Km):</b>	4644
<b>Total Households:</b>	<b>171418</b>
<b>Urban Households:</b>	9475
<b>Rural Households:</b>	161943
<b>Total Population: (Year 2023)</b>	<b>1196910</b>
<b>Urban Population:</b>	60069
<b>Rural Population:</b>	1136841
<b>Total Waste Generation:</b>	368 Tons/Day
<b>Urban Waste Generation: (0.45 Kg/ capita)</b>	27 Tons/Day
<b>Rural Waste Generation: (0.3 Kg/ capita)</b>	341 Tons/Day

**Note:** Waste generation is an estimated amount and it may vary ( $\pm$ ) from the above mentioned amount. However, any approval regarding change in estimated waste generation will be sought from the Board of Directors, BWMC.

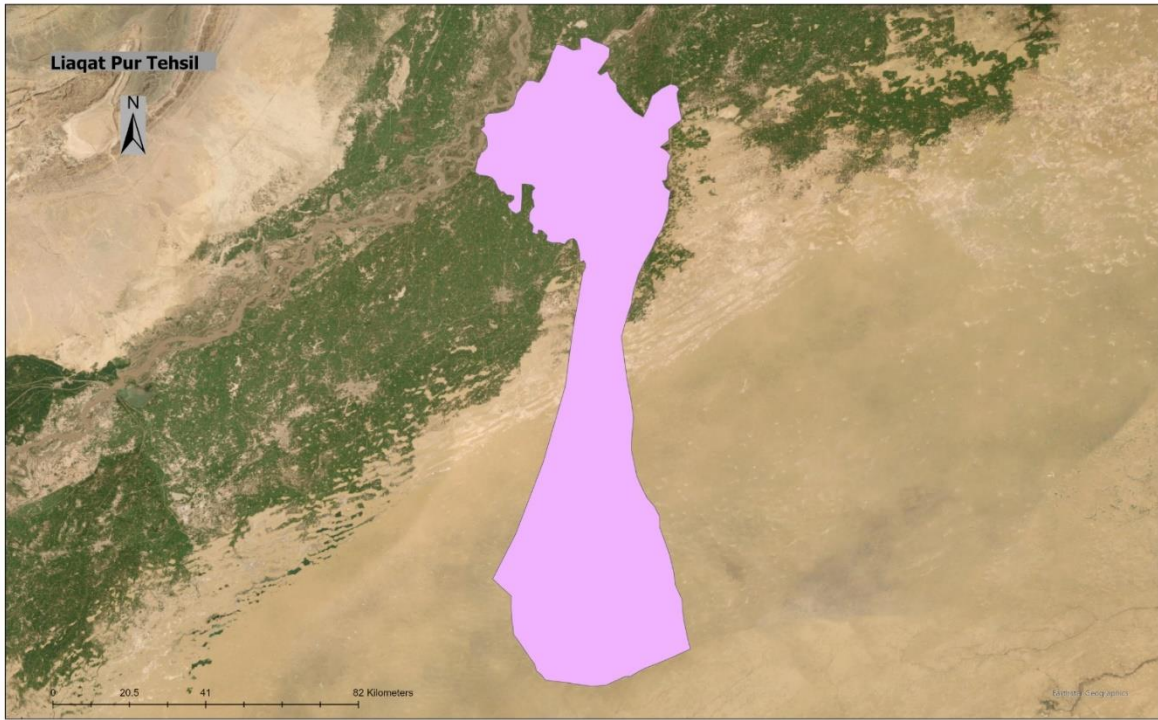


Figure 1: Map of Tehsil Liaqat Pur

### 3.2 Existing Resources:

The lists / Annexures provided with Services and Assets Management Agreement (SAAMA) signed between BWMC and Tehsil’s MCs and DCs is considered for existing resources assessment, given below in Table;

**Table 2: Summary of Existing Resources of tehsil Liaqat Pur**

Sanitary Supervisors	Sanitary Workers	Mashki	Helper	Driver
2	133	0	0	1

**Table 3: Existing Machinery of Tehsil**

4

Name of Machinery & Equipment	Existing Quantity
Front Loader Tractor	1
Front Loader Blade	1
Loader Rickshaw	9
Tractor Trolley	5
<b>Total Machinery</b>	<b>16</b>

## 4.1 Waste Streams

The solid waste being generated in any area is divided into two streams i.e. Municipal Solid Waste (MSW) and Bulk Waste. Whereas, the total solid waste generation is calculated for urban areas is based on 0.45 kg per capita per day and for rural areas it's based on 0.3 kg per capita per day.

### 4.1.1 Municipal Solid Waste (MSW)

Municipal solid waste (MSW), is a waste type consisting of everyday items that are discarded by the public, including items like food scraps, packaging materials, paper, plastics, glass, and other disposable items. For the SMW planning of the tehsil, 70% MSW generation in urban areas and 55% in rural areas, is estimated through best available information with the tehsil administration of total waste generated.

### 4.1.2 Bulk Waste (BW)

Bulk Waste refers to the large quantities of waste that are too large or heavy to be collected through dedicated collection methods. Examples include construction debris, animal dung, and backlog mixed waste lying in open plots or open spaces anywhere in the tehsil. Proper collection of bulk waste typically requires special handling and collection procedures.

**Table 4 Waste Generation Estimates**

<u>Parameter</u>	<u>Urban</u>	<u>Rural</u>
<b>Waste Generation Rate<sup>1</sup></b>	0.45 kg per capita per day	0.3 kg per capita per day
<b>Municipal Solid Waste (MSW) Proportion<sup>2</sup></b>	70%	55%
<b>Bulk Waste (BW) Proportion<sup>2</sup></b>	30%	45%

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<sup>1</sup> ADB Briefs No: 209, March 2022, Waste Sector Inclusion in the Revised Nationally Determined Contributions of Pakistan

<sup>2</sup> This proportion is agreed upon based on survey, feedback and discussion with the relevant Tehsil staff.

## 5 Scope of Services

### 4.1 Mechanical Sweeping and Washing (Urban)

#### 4.1.1 Mechanical Sweeping & Scrapping

#### 4.1.2 Mechanical Washing & Sprinkling

### 4.2 Manual Sweeping & De-silting (Urban & Rural)

#### 4.2.1 Manual Sweeping

#### 4.2.2 De-silting and drain cleaning

### 4.3 Primary Waste Collection (Urban & Rural)

#### 4.3.1 Door to Door MSW Collection,

#### 4.3.2 Waste collection from commercial areas

#### 4.3.3 Container Based Collection

### 4.4 Bulk Waste/ Heaps Collection including C&D Waste, animal Waste, Plot Clearance etc.

### 4.5 Temporary Waste Storage (Urban & Rural)

#### 4.5.1 Establishment of Waste Enclosures

#### 4.5.2 Establishment of Temporary Collection Points (TCP)

#### 4.5.3 Clearance of the TCPs

### 4.6 Secondary Waste Collection (Urban & Rural)

### 4.7 Waste Disposal (Urban & Rural) and Dumpsite Management

#### 4.7.1 RFID / VTCS (Installation of VTCS system with all accessories)

#### 4.7.2 Boundary Wall of Dumpsite

#### 4.7.3 VTMS (Tracking Management System) Monitoring dashboards and digital tools like trackers, etc.

#### 4.7.4 Weight Bridge (Installation of Weight Bridge)

As per the clause 4.7, the contractor will develop the controlled dumpsite with allied facilities within three (03) months from the date of signing of contract. Rental weight bridge will be hired by the contractor before mobilization until the installation of his own weight bridge. Rental weight bridge shall be up to the client satisfaction.

### 4.8 Zero Waste Activities (Urban & Rural)

#### 4.8.1 At the time of Tehsil takeover

#### 4.8.2 One Time Cleaning and Rehabilitation/Reclamation of Exiting Dump site.

### 4.9 Public Awareness campaign.

#### 4.10 Establishment of Management Information system

#### 4.11 Revenue Collection (as described)

#### 4.12 Provision of Uniform and PPE

#### 4.13 Provision of Monitoring Vehicle

### 5.1 Mechanical Sweeping and Washing (Urban)

#### 5.1.1 Mechanical Sweeping & Scraping

Mechanical sweeping, especially with vacuum equipment, can remove dust and rubbish simultaneously, a task not possible with manual sweeping alone. While manual sweepers clear litter from pavements and grass, technical limitations and street obstacles like parked cars mean mechanical cleaning is most efficient alongside manual cleaning. Improved sweeping machines are now quieter, more economical, and meet emission standards, reducing the need for general personnel and allowing for more specialized roles like drivers and street sweepers. Additionally, the contractor will use appropriate tools and machinery for scraping activity of roads and client identified areas, removing

accumulated mud, debris, and worn materials. The contractor is responsible for ensuring these areas are clean.

It is proposed to clear the major roads (min. 5 KM) of the tehsil through 01 Mechanical Sweeper to improve the working efficiency as well as the cleanliness standards of the tehsil.

#### 4.1.2 Mechanical Washing & Sprinkling

Mechanical washing is another importance component of waste management system where, public places, major roads, dividers, walkways are washed to improve the cleanliness impact. It is proposed to wash / sprinkle the major roads as specified by the client (min. 05 KM daily per 01 tractor mounted water bowser / washer), walkways of the tehsil through washer to improve the working efficiency as well as the cleanliness standards of the tehsil.

**Table 5: Kind of Resources Required for Mech. Sweeping and Washing**

<u>Resources</u>	<u>Urban</u>	<u>Rural</u>
<b>Helpers</b>	✓	×
<b>Drivers</b>	✓	×
<b>Mechanical Sweepers</b>	✓	×
<b>Tractor Mounted Bowser / Washers</b>	✓	×

**Table 6: Main Parameters for the Mech. Sweeping and Washing Activity**

<u>Parameter</u>	<u>Urban</u>
<b>Helpers</b>	1 per Tractor Mounted Bowser / Washer
<b>Drivers</b>	1 per Vacuum Sweeper 1 per Rickshaw Washer
<b>Vacuum Sweeper</b>	1 no. 6 hours a day per VS and min. 5 km per day per VS
<b>Rickshaw Washers</b>	01 nos. 6 hours a day per washer and min. 5 km per day per washer
<b>Frequency</b>	Daily

#### **Contractor's Responsibility:**

- Identification of the roads for mechanical sweeping and washing
- Formulation of the teams for mechanical sweeping and washing
- Formation of the schedule for mechanical sweeping and washing - Micro planning
- Deployment of resources as designed
- To arrange water sources for mechanical washing
- To train and guide the helpers and drivers on complete mechanical sweeping and washing mechanism



- To ensure adequate mechanical sweeping and washing as per given resources, mechanism and design parameters

## 5.2 Manual Sweeping & De-silting (Urban & Rural)

For major roads and inner streets cleaning in the tehsil, manual sweeping will be ensured. Moreover, Open drains are present in the urban area of tehsil, which needs regular de-silting to avoid any clogging of drains.

### Mechanism:

**4.2.1 Manual Sweeping:** A dedicated team of sanitary workers with handcarts will be deployed to ensure proper manual sweeping and de-silting of the tertiary drains (i.e. 2 feet wide open) in the given areas. Manual sweeping of residential areas will be done as per the client's specified frequency. Meanwhile, commercial areas, both rural and urban of whole tehsil, will be swept daily. This activity will be monitored by the client through their digital monitoring system and staff.

The dedicated teams will engage in manual sweeping where infrastructure is present, such as metaled roads, rigid pavements & tuff paved streets etc. The workers will make small heaps of the collected waste on roads or streets sides and then collect the waste and dump in the nearby container.

**4.2.2 De-silting:** These dedicated teams /gangs of sanitary workers will also perform de-silting of tertiary drains (2 feet wide open) and collect waste from water channels. This silt will then be collected through hand carts and will be unloaded into nearby container or mini dumpers.

**Table 7: Kind of Resources Required for the Manual Sweeping and Desilting**

<u>Resources</u>	<u>Urban</u>	<u>Rural</u>
Sanitary Workers	✓	✓
Hand Carts	✓	✓
Brooms	✓	✓
De-silting tools	✓	✓

**Table 8: Main Parameters for the Manual Sweeping and Desilting Activity**

<u>Parameter</u>	<u>Urban</u>	<u>Rural</u>
Sanitary Workers (SW)	1 SW per 200 HH	1 SW per 250 HH
Hand Carts	1 per 2 SW	1 per 2 SW
Frequency (Residential areas)	Thrice a Week	Twice a Week
Frequency (Commercial areas)	Daily	Daily



### **Contractor's Responsibility:**

- Formulation of the beats and respective teams of sanitary workers for manual sweeping and de-silting
- Formation of the schedule for sanitary workers – Micro-planning
- Provision of resources
- To train and guide the sanitary worker on complete manual sweeping and de-silting mechanism
- To ensure 100% Manual sweeping and de-silting as per given targets, resources, mechanism and design parameters

## **5.3 Primary Waste Collection (Urban & Rural)**

### **4.3.1 Door to Door MSW Collection**

### **4.3.2 Waste collection from commercial areas**

### **4.3.3 Container Based Collection**

#### **Mechanism:**

For residential and commercial areas, 100% door to door (DTD) waste collection is proposed to ensure maximum cleanliness in the area.

**Urban:**For the DTD services, the waste collection is divided in to two modes i.e. Container based and Mini Dumpers. A team of dedicated sanitary workers based on 1 sanitary worker per 200 populations (Urban Areas) will be deployed to collect waste from doorsteps.

1 handcart will be given per 02 sanitary workers which will be emptied in nearby container. These containers will be emptied in the compactors.

Whereas, the Mini Dumpers will also be given for door to door collection. These mini dumpers will be emptied at the nearby waste enclosure from where Dumper Truck with front Loader will lift the waste to designated dumpsite.

**Rural:** For DTD services, 100% of MSW will be collected from doorsteps using loader rickshaws, each staffed with one driver & one helper / sanitary worker. 01 Loader Rickshaw will be allotted for 250 HH on alternative days. These rickshaws will transport the waste to the nearest Waste Enclosure. DTD collection through loader rickshaws in entire rural tehsil will be done thrice a week.

**Table 9: Kind of Resources Required for the Door to Door Collection**

<b><i>Resources</i></b>	<b><i>Urban</i></b>	<b><i>Rural</i></b>
<b>Sanitary Workers</b>	✓	✓
<b>Helpers</b>	✓	
<b>Drivers</b>	✓	✓
<b>Hand carts</b>	✓	×
<b>Containers 0.8m<sup>3</sup></b>	✓	×
<b>Mini Dumpers</b>	✓	×
<b>Loader Rickshaw</b>	×	✓
<b>Containers 05m<sup>3</sup></b>	✓	×
<b>Arm Roll</b>	✓	×
<b>Compactors 7m<sup>3</sup></b>	✓	×

**Table 10: Main Parameters for the Door to Door Activity**

<b><i>Parameter</i></b>	<b><i>Urban</i></b>	<b><i>Rural</i></b>
<b>Door to door collection</b>	100 %	100%
<b>Waste collection Frequency</b>	Daily	Thrice a Week
<b>Waste availability</b>	Readily available at doorstep	Readily available at doorstep
<b>Sanitary Workers</b>	1 SW per 200 Households	1 per Loader Rickshaw
<b>Helpers</b>	2 per Compactor 7 M3	
<b>Drivers</b>	1 per Compactor 1 per Arm Roll 1 per Mini Dumpers	1 per Loader Rickshaw
<b>Hand carts</b>	1 per 2 SW	-
<b>Containers( 0.8m<sup>3</sup>)</b>	Capacity 250 kg 1-time lifting	-
<b>Loader Rickshaw</b>	-	Loader rickshaw (Alternative days) Capacity 700 kg 2 trips daily
<b>Mini Dumpers</b>	Min. Capacity 700 kg 3 trips daily	-
<b>Compactors 7m<sup>3</sup></b>	Min. Capacity 4 tons 2 to 3 trips to TCP	-
<b>Containers( 5m<sup>3</sup>)</b>	Min. Capacity 2.5 Tons One-time lifting daily MSW offloaded from Mini dumpers	-
<b>Arm Roll</b>	Min. Capacity 2.5 tons 4 trips to TCP	-

**Contractor's Responsibility:**

- Formulation of the beats and respective teams of sanitary workers
- Formation of the schedule for sanitary workers – Micro-planning
- Provision of resources
- To train and guide the sanitary worker on complete DTD mechanism
- To ensure 100% DTD services as per given targets, resources, mechanism and assumptions

**5.4 Bulk waste/ Heaps Collection including C&D waste, animal waste, Plot Clearance etc.**

**Mechanism:**

**Urban:** Bulk waste (approx. 30% of total waste) will be lifted by using dumpers 5 m<sup>3</sup> and Tractor Loaders. Dedicated sets of Tractor Loader and Dumpers will be deployed in each tehsil to cater the bulk waste / heaps collection including C&D waste, animal waste etc. on daily basis to ensure zero waste in the entire tehsil. The machinery will be deployed as per schedule to attend all possible areas of the tehsil including open plots, open heaps, dunghills, hotspots, debris etc. These dumpers will directly be unloaded into the nearby TCPs of the tehsil, for further disposal.

**Rural:** Bulk waste (45% of total waste) will be lifted by using Tractor Trolleys and Tractor Loaders. Dedicated sets of Tractor Loader and Trolleys will be deployed in each tehsil to cater the bulk waste on daily basis to ensure zero waste in the entire tehsil. The machinery will be deployed as per schedule to attend all possible areas of the tehsil including open plots, open heaps, dunghills, hotspots, debris etc. These Trolleys will directly be unloaded into the nearby TCPs of the tehsil, for further disposal.

**Table 11: Kind of Resources Required for the Bulk Waste Collection**

<b><u>Resources</u></b>	<b><u>Urban</u></b>	<b><u>Rural</u></b>
<b>Drivers</b>	✓	✓
<b>Tractor Loaders</b>	✓	✓
<b>Tractor Trolleys</b>	×	✓
<b>Dumpers 5m<sup>3</sup></b>	✓	×

**Table 12: Main Parameters for the Bulk Waste Collection Activity**

<i>Parameter</i>	<i>Urban</i>	<i>Rural</i>
<b>Bulk Waste</b>	30% of total waste	45% of total waste
<b>Drivers</b>	1 per Tractor Loader 1 per Dumper 5m <sup>3</sup>	1 per Tractor Loader 1 per Dumper 5m <sup>3</sup> 1 per Tractor Trolley
<b>Tractor Loader</b>	1 per 3 Dumpers 5m <sup>3</sup>	1 per 3 Dumpers 5m <sup>3</sup> 1 per 3 Trolleys
<b>Dumper 5m<sup>3</sup></b>	Designed Capacity 3.5 tons 3 trips	Designed Capacity 5 tons 3 trips
<b>Tractor Trolley</b>	-	Designed Capacity 2.5 tons 3 trips
<b>Frequency</b>	Daily (as per schedule)	Daily (as per schedule)

**Contractor's Responsibility:**

- i. Identification and lifting of the bulk waste will be treated by the prior approval by the client
- ii. Identification of open plots, heaps, dunghills, hotspots, debris and illegal dumping points.
- iii. Formation of the schedule for the machinery sets for clearance of bulk waste on regular basis – Micro-planning
- iv. Provision of resources
- v. The contractor will use a fleet of trolleys and dumpers, operating at designed capacity, to transport bulk waste.
- vi. The contractor will cover the bulk waste with tarpaulins to prevent any spillage on roads during transportation.
- vii. To ensure 100% bulk waste clearance as per given targets, resources, mechanism and assumptions

**5.5 Temporary Waste Storage (Urban & Rural)**

**4.5.1 Waste Enclosures (WE)**

For rural areas Waste Enclosures are proposed to unload the Loader Rickshaws that are carrying door to door collected waste. These Waste enclosures will not only save the transportation time but will also save the cost of trips of Rickshaws. The machinery at Waste Enclosure is proposed on tonnage lifting basis. It is proposed to establish 01 Waste Enclosures in each Union Council of Rural areas.

**Table 13: Kind of Resources Required for Waste Enclosures**

<u>Resources</u>	<u>Rural</u>
<b>Drivers</b>	✓
<b>Dumpers 5m<sup>3</sup></b>	✓
<b>Tractor Loader</b>	✓

**Table 14: Main Parameters Required for Establishment of Waste Enclosures & Removal of Waste Activity from Enclosures**

<u>Parameter</u>	<u>Rural</u>
<b>Number of Enclosure</b>	1 Enclosures per UC
<b>Clearance Frequency</b>	Twice a week
<b>Area</b>	5 – 10 Marlas
<b>Specifications</b>	RCC flooring Precast Planks
<b>Dumpers 5m<sup>3</sup> for waste enclosure</b>	Capacity 3 tons 5 trips
<b>Tractor Loader</b>	1 per 3 Dumpers 5m <sup>3</sup>

**Contractor's Responsibility:**

- Identification of sites for establishment of Waste Enclosures (WEs)
- Formulation of specifications of the WEs and their approval from concerned client and authorities
- Establishment of WEs as per designed number and as per approved / agreed specifications

**4.5.2 Establishment of Temporary Collection Points (TCPs)****4.5.3 Clearance of the TCPs**

The farther the ultimate disposal site is from the collection area, the greater the savings that can be realized from use of a Temporary Collection Point (TCP). The minimum distance at which use of a TCP becomes economical depends on local economic conditions.

**Mechanism:**

The MSW and BW collected from entire tehsil through different collection modes and machinery will ultimately be collected at the Temporary collection points (TCPs). Waste collection vehicles will temporarily dump waste at TCPs from where it will be transported to dumpsite for controlled disposal on daily basis. The TCPs will be established in the tehsil as per requirement. The TCPs to be designed to cater at least 100 to 150 tons of solid waste on an areas measuring 2 to 3 Kanals. The complete management of TCPs as per standard practices from establishment to clearance and maintenance would the responsibility of respective contractor.

**Table 15: Main Parameters for Establishment of TCPs & Removal of Waste from TCPs**

<b><u>Parameter</u></b>	<b><u>Urban</u></b>	<b><u>Rural</u></b>
<b>Number of TCP</b>	1 TCP per 08 UCs / Wards	1 TCP per 08 UCs
<b>Areas</b>	2 Kanals	2 Kanals
<b>Capacity</b>	100 to 150 tons	100 to 150 tons
<b>Specifications</b>	RCC flooring Precast Planks	RCC flooring Precast Planks
<b>Clearance Frequency</b>	Daily	Thrice a week

**Contractor's Responsibility:**

- Formulation of specifications of the TCPs and their approval from concerned client and authorities
- Establishment of TCPs as per designed number and as per approved / agreed specifications

**5.6 Secondary Waste Collection Secondary Waste Collection (Urban & Rural)**

Secondary Waste collection refers to transportation of waste from Temporary Collection Point (TCP) to disposal site. For the said secondary waste collection purposes dedicated machinery sets Dumpers 10m<sup>3</sup> and Front End Loaders are deployed at each TCP. The TCPs are cleared on daily basis to ensure Zero waste.

**Table 16: Main Parameters Required for Establishment of TCPs**

<b><i>Parameter</i></b>	<b><i>Urban</i></b>	<b><i>Rural</i></b>
<b>Drivers</b>	1 per Dumper 10m <sup>3</sup> 1 per Front End Loader	1 per Dumper 10m <sup>3</sup> 1 per Front End Loader
<b>Dumpers 10m<sup>3</sup></b>	Capacity 7 tons 5 trips to DS Minimum 1 at each TCP	Capacity 7 tons 5 trips to DS
<b>Front End Loader</b>	1 per 3 Dumpers 10m <sup>3</sup>	1 per 3 Dumpers 10m <sup>3</sup>
<b>TCP clearance Frequency</b>	Daily	Thrice a week

**Contractor's Responsibility:**

- Deployment of resources as designed
- TCPS management and maintenance on regular basis
- To ensure waste clearance from TCPs as per given targets, resources, mechanism and assumptions
- Waste clearance frequency for joint TCP (urban and rural) will match the urban schedule of daily clearance.

**5.7 Waste Disposal (Urban & Rural) and Dumpsite Management**

5.7.1 **RFID / VTCS** (Installation of VTCS system with all accessories)

**5.7.2 Boundary Wall of Dumpsite**

The contractor will establish a controlled dumpsite to minimize environmental and health hazards. A 3-feet thick clay lining will be installed on the foundation/embankment with a slope specified by the client based on existing ground conditions. The clay lining will have an acceptable permeability limit. The embankment will be designed to allow leachate to flow by gravity to a designated collection point. Furthermore, fencing for access control, daily soil covering to prevent waste spread, pests, scavenging, and fires, with staff and machinery to ensure proper waste handling. The List of resources is tabulated below. Moreover, the contractor will establish a controlled dumping site until then, the contractor will arrange make shift arrangements for waste dumping / disposal.

**Note:** Establishment of Dumpsite all relevant laws / requirement i.e (EIA, Topographical survey and geotechnical investigation) will be the responsibility of the contractor.

**Table 17: Kind of Resources Required for Controlled Dumpsite**

<b><i>Parameter</i></b>	<b><i>Unit</i></b>	<b><i>Definition</i></b>
<b>Design Area</b>	Acre	10 Acres
<b>Design Life</b>	Years	06 Years
<b>Pit less Weigh Bridge &amp; its allied facilities</b>	30 feet X 10 feet	Pit less weigh bridge as per client approved specifications with all its related civil works i.e. operator room, rigid pavements & allied IT equipment's.
<b>Machinery</b>	Front End Loader	1 Front End Loader for waste spreading, compaction, and soil loading
	Dumpers (10 <sup>3</sup> m )	1 Dumper for soil transportation and Backlog removal
	Any Other Machinery	For Soil Covering of waste, compaction etc
<b>Working Hours</b>	240 Hours	8 hours per day based on daily tonnage
<b>Human Resource</b>	Supervisors	2
	Ground men	2

In general, it is planned to establish one (01) disposal site for each tehsil, within the radius of not exceeding 45 KMs from each TCP in the tehsil. However, in case of single contractor qualifying for one district the number of disposal site may also be decreased by establishing only one or two disposal site(s) for the entire District depending upon ground conditions for the sake of Environmental viability. Distance of TCPs from the proposed dumpsite may be considered.

### 5.7.3 VTMS

Trackers will be installed on all vehicles upto the client satisfaction and access to its dashboard will be given to the client. Trackers must be installed on all vehicles before mobilization.

The client will pay only for registered vehicles with VTMS system, in case of any replacement for any vehicle the contractor will inform the client in written form at least 3 days before) unregistered vehicle's claim will not be considered for payment

Contractor must be careful and payment will be deducted about possible technical issues like;

- **Signal Loss:** GPS devices losing signal, causing tracking interruptions.
- **Data Inaccuracy:** Incorrect location or speed data.
- **Hardware Failures:** Malfunctions in tracking devices, vehicles



batteries, devices theft or any other malafide activity performed by the concerned driver

- **Software Bugs:** Errors in the VTMS application causing incorrect reporting.
- **Any other issues etc.**

#### 5.7.4 **Weight Bridge (Installation of Weight Bridge)**

##### **Contractor's Responsibility: Contractor's Responsibility: Installation of Weigh Bridge and allied facilities**

- Establishment of dumpsite as per approved designed standards by the client.
- The contractor will establish a pit-less weighbridge of size 30 feet x 10 feet (30' x 10'), including its supporting structure made of steel with a size of 600 x 200mm x 9 feet 6 inches.
- The cross girder (26 No.) will consist of I-beam, measuring 200 x 100mm x 9 feet 6 inches.
- The supporting girders (02 No.) will be 200 x 100mm x 9 feet 6 inches, incorporating an MS plate of 12mm plane (30 x 10) feet
- Load cell (04 No.) with 40 tons' capacity each.
- Junction box (01 No.) compatible.
- The weighbridge will have a lane size of 30 x 10 feet and a weighing capacity of 60 tons.
- All necessary accessories will be included, and fitting installations will be completed as part of the job. RFID System (complete trunk key solution), IP Cameras, UPS & Generator, Controller, Desktop Computer, AC, AVR (Automatic Voltage regulator) etc.
- Rigid pavements (RCC slab, compacted base course etc.) of minimum 1 feet thickness & length approx. 15 feet on each side of weigh bridge as per client approved designed.
- Additionally, the contractor will establish an operator room with a minimum size of 20 x 12 feet, incorporating all necessary facilities such as a toilet, kitchen as per approved designed by client.
- Contractor will build security guard room on top of operator room as per approved designed by the client.
- Weigh bridge control will be in the custody of client i.e. BWMC. Contractor will only establish and maintain R&M related works.
- Contractor will deploy resources as per client designed criteria.
- Dumpsite management and maintenance on regular basis as per designed criteria
- Leveling, compacting and Soil Covering & sprinkling of collected leachate on dumped waste.

#### 5.8 **Zero Waste Activities (Urban & Rural)**

The contractor will conduct at least following zero waste activities;

- i. At the time of Tehsil takeover (Once in the whole contract life)
- ii. At least quarterly in a year or as per clients' requirement at different times.

- Client may ask to contractor to perform one time cleaning activity for removal of all backlog of waste present in the area identified by the contractor for the approval of the client. For the said activity the contractor will identify the hotspots carrying backlog waste, including open plots, open heaps, depressions etc. along with the coordinates. The contractor will get the list of these identified hotspots approved from the client and will get them clear accordingly.

***One Time Cleaning and Rehabilitation/Reclamation of Existing Dump site:***

- Client may ask to contractor for rehabilitation/reclaiming of existing dumpsite with proposed mechanism identified by the client.
- In the future, if GOPb establishes MRFs in the respective Tehsils, the contractor may be asked to segregate waste at TCPs. Further, its transportation to the MRF's. Payment for this additional work will be made later, subject to the approval of the client's BOD as per contract.

**5.9 Public awareness campaign**

The contractor prime responsibility is to change the community behavior towards waste management. The contractor's plan will include a public awareness campaign, subject to prior approval from the client. The contractor will submit a detailed micro plan for the campaign, covering schools, residential areas, and commercial areas. Contractor will ensure proper branding of all containers, hand carts and operational fleet as per the design / specimen approved by the client.

**5.10 Management of Information system**

**Contractor's Responsibility**

- **Provision of IRIS Devices and Maintenance** (Attendance system)  
Monitoring dashboards and digital tools digital attendance etc.

The client will pay only for registered HR with IRIS system, in case of any replacement for any Worker / Driver /Supervisor etc. the contractor will inform the client in written form at least 3 days before) unregistered HR's claim will not be considered for payment

**IRIS based Issues**

- Before mobilization the contractor will register all the supervisory and workers staff on the IRIS dashboard
- Contractor will pay the IRIS dashboard usage payment and will also buy the IRIS devices
- In case of medical issues or any eye issues the contractor will submit the disability certificate or any medical certificate from the concerned doctor  
Following are the technical possible issues that usually can be occurred during the attendance  
Contractor must be careful and payment will be deducted about possible technical issues like;
  - Hardware Malfunctions: Devices not recognizing IRIS, Mobile Phones and other hardware issues
  - Connectivity Problems: Issues with syncing data to central servers.
  - Environmental Factors: Poor lighting or dirt affecting recognition accuracy.
  - User Error: Incorrect usage by staff leading to failed logins.

- **Installation of VTMS** (Tracking Management System)
- Monitoring dashboards and digital tools like trackers, etc.
- CMS Complaint Management system (Provision android system / dashboard)
- 

### **5.11 Fee Collection**

Contractor will be responsible for Fee collection in entire tehsil. Detailed mechanism of Fee collection is explained in sub heading 11.

### **5.12 Provision of Uniform and PPE**

The Service Provider will provide uniforms, shoes and jackets to supervisors, sanitary workers, and helpers as per following details.

Uniforms of approved design by the Procuring Agency	<b>Twice a year</b>
Shoes of approved design by the Procuring Agency	<b>Once a year</b>
Jackets of approved design by the Procuring Agency	<b>Twice a year</b>

The Service Provider will ensure the availability of proper PPE's to their workforce

### **5.13 Provision of Monitoring Vehicle**

The Contractor shall provide one Vehicle of 1000-1300cc with driver (preferably new / not more than 2 years old) to the Client for monitoring activities of the Contract for the entire contract period. The Contractor shall be responsible for maintenance and operational cost (300 Liters per month) of this vehicle during the entire Contract Period.

5.14 Proposed Model

Urban Areas

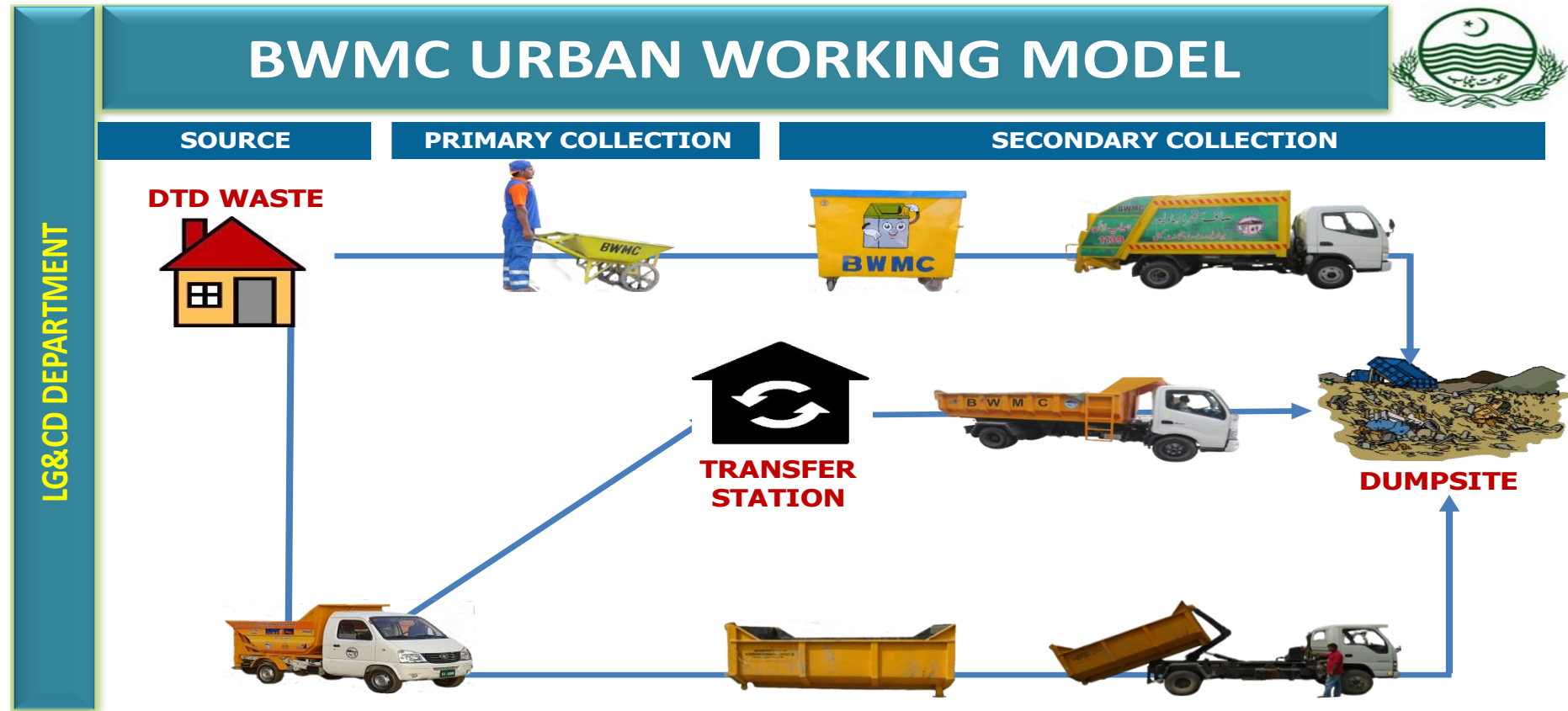


Figure 2: Proposed SWM Model for Urban Areas



# BWMC RURAL WORKING MODEL

LG&CD DEPARTMENT

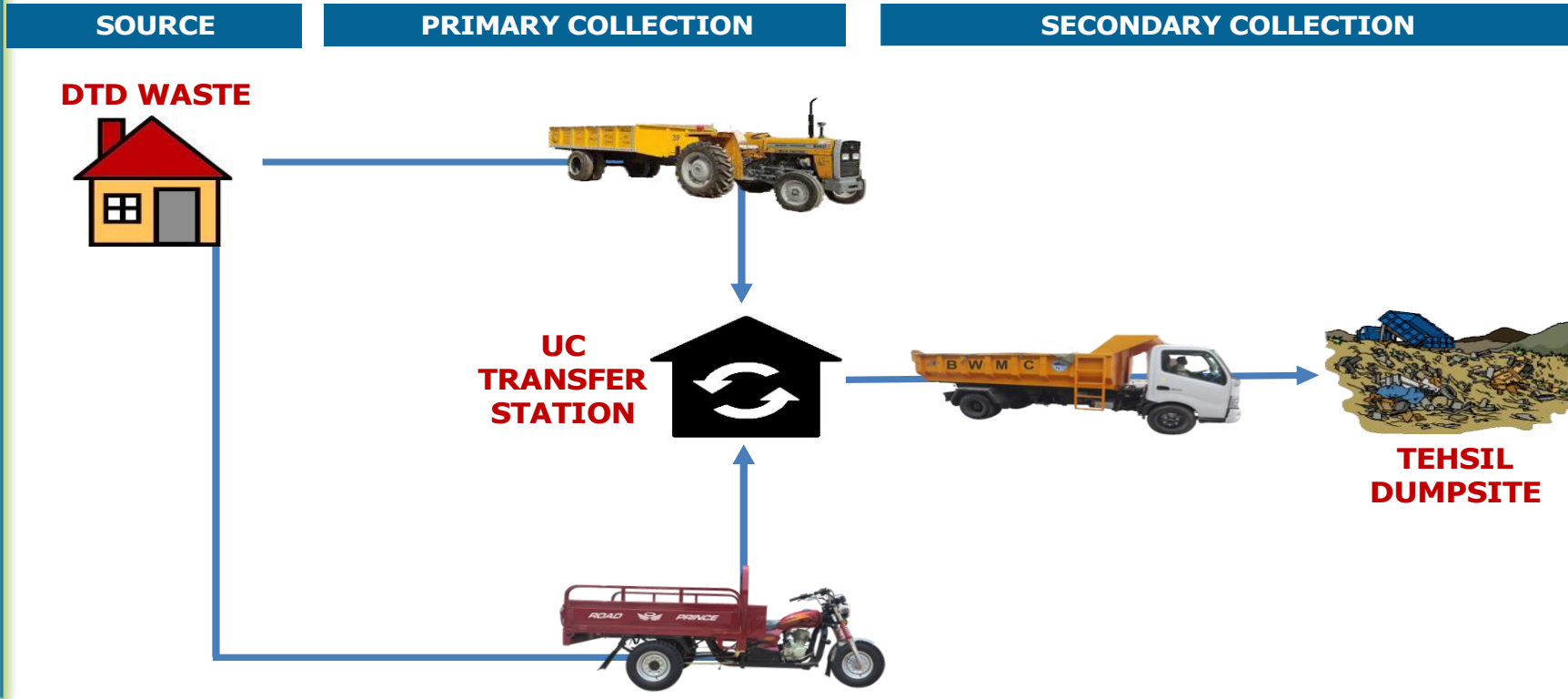


Figure 3: Proposed SWM Model for Rural Areas



## 6 Required Resources

### 5.1) Human Resource

**Table 18: Required HR**

Sr. #	Description	Urban	Rural	Total
1	Sanitary Workers	47	350	397
2	Sanitary Supervisors	2	14	16
4	Drivers	14	205	219
3	Helpers	16	23	39
	<b>Total</b>	<b>79</b>	<b>592</b>	<b>671</b>

### 5.2) Machinery

**Table 19: Required Machinery**

Required Machinery for Urban Area	Required Quantity
Mini Tipper	4
Compactor	2
Armroll 5CM	0
Tractor Trolley	0
Front Loader Tractor	1
Front Loader Blade	1
Dump Truck 5CM	3
Road Washer	1
Mechanical Sweeper	1
<b>Total Machinery</b>	<b>13</b>
0.8CM container	120
5CM container	0
Hand Carts	24
<b>Total</b>	<b>144</b>
Required Machinery for Rural Area	Required Quantity
Loader Rickshaw	134
Tractor Trolley	31
Front Loader Tractor	18
Dumper Truck 10CM	23
<b>Total</b>	<b>205</b>
Hand Carts	108

**Note: Number of vehicles / machinery may be changed with the prior approval from Board of Directors-BWMC keeping in view the same volumetric capacity.**



### 5.3) Dumpsite Machinery

Table 20: Required Machinery for Dumpsite

7

Sr. #	Description	Total
1	Dumper (10m3)	1
2	Front End Loader	1
<b>Total</b>		<b>2</b>

## 8 Comparison

### 6.1 Human Resource

Table 21: Comparison of HR

Sr. #	Description	Existing	Required	Difference
1	Sanitary Workers	133	397	264
2	Sanitary Supervisors	2	16	14
4	Drivers	1	219	217
3	Helpers	0	39	39
	<b>Total</b>	<b>136</b>	<b>671</b>	<b>535</b>

### 6.2 Machinery

Table 22: Comparison of Machinery

Name of Machinery & Equipment	Required Quantity	Existing Quantity	Difference
Mini Tipper	4	0	4
Compactor	2	0	2
Armroll 5CM	0	0	0
Tractor Trolley	0	0	0
Front Loader Tractor	1	1	0
Front Loader Blade	1	1	0
Dump Truck 5CM	3	0	3
Road Washer	1	0	1
Mechanical Sweeper	1	0	1
Excavator	0	0	0
<b>Total Machinery</b>	<b>13</b>	<b>2</b>	<b>11</b>
0.8CM container	120	0	120
5CM container	0	0	0
Hand Carts	24	0	24
<b>Total</b>	<b>144</b>	<b>0</b>	<b>144</b>



Outsourcing of SWM Services TEH Liaqat Pur



Required Machinery for Rural Area	Required Quantity	Existing Quantity	Difference
Loader Rickshaw	134	9	125
Tractor Trolley	31	5	26
Front Loader Tractor	18	0	18
Dumper Truck 10CM	23	0	23
<b>Total</b>	<b>205</b>	<b>14</b>	<b>191</b>
Hand Carts	108	0	108





## 9 Special services on Special Events

The contractor will ensure special cleanliness services and availability of requisite resources for special events including;

- Moonsoon
- Eid-ul-Fitr
- Ramadan
- Eid-ul-Adha
- Muharram
- Eid Milad-ul-Nabi
- Christmas
- Any other event or emergency or VIP visits etc

The contractor will prepare proper SWM plan prior to each event for execution accordingly.

The SWM plan should cover;

- ➔ Standard Operating Procedure (SOPs)
- ➔ Hotspots as per the event
- ➔ Resources Required
- ➔ Deployment plan

## 10 Overall Monitoring of Operations

The client will develop a digital monitoring system, which will be used for measuring work progress for quality assurance and payment purposes. The Digital Monitoring System will report on predefined Key Performance Indicators (KPIs). It will be IT-based and include field monitoring by the client's supervisory team, village/ward committee notified by the client (VTMS/Digital Monitoring Mechanism).

Moreover, *Work Satisfaction Stakeholder Committee (Village/Ward Committee)* will also be constituted. The committee will consist of representatives from the public, who will be asked to report on the work satisfaction from the public perspective and can be linked with the payment mechanism. The Stakeholder Committee will be formulated by the client, and its members will be decided within a reasonable time from the contract signing. The role of the committee is purely voluntary and will not supersede the management's opinions.

Further, the client will also nominate its committee to resolve any disputes regarding work verification.

In the case of the digital monitoring system being non-functional, the payment will be processed based on the submission of a verification report by the monitoring team of the client clearly based on the performance indicators.

## 11 Human Resource Management

For overall execution of Operations as per plan and its supervision, Sanitary Supervisors are proposed for the overall SMW management. One Supervisor is proposed for 25 Sanitary Workers in both Urban and Rural areas.



## 12 Cost Estimates

**Table 23: Costing Detail of Tehsil Liaqat Pur\***

<b>Four Years Estimated Cost (Rs. in Millions)</b>	<b>PKR 4,559.26/- Million</b>
----------------------------------------------------	-------------------------------

**Note:**

- Life of 0.8m<sup>3</sup> containers 3 Years
- Life of 5m<sup>3</sup> containers 5 years
- HR Cost is tabulated below;

**Table 24: Labour Rate**

<b>Particulars</b>	<b>HR Cost / Employee / Month</b>
Sanitary workers	41,220
Supervisors	44,550
Helpers	41,220
Drivers	44,550

- HR cost includes salary, social security, EOBI and GLI
- HR cost of existing staff is not included in cost estimates. Only the deficit staff HR cost included in Cost estimates.
- Total cost including of all taxes
- Escalation factor based on minimum wage of PKR 37,000/month as on July 04, 2024
- Escalation factor based on OGRA price of PKR 267.30 per liter of fuel as on August 14, 2024
- 3% of operational cost per year is included for special events/ Eid ul Azha/zero waste activity etc
- 2% of operational cost per year is included as contingency.
- Rental cost of existing resources not included in cost estimates.
- Fitness certificate & emission reports from transport department will be mandatory for rented vehicles
- Cost of Temporary collection points and waste enclosures is included in cost estimates
- R&M cost is included for machinery & equipment, which will be transferred to the contractor.
- Janitorial material (broom, lime etc.), PPE (masks, Gloves etc.), uniform Hand carts cost included in cost estimates
- Cost of PKR 200,000/- per month for public awareness also included in cost estimates
- Cost estimates are based on **26 working days** in a month
- Waste generation is an estimated amount and it may vary ( $\pm$ ) from the above mentioned amount. However, any approval regarding change in estimated waste generation will be sought from the Board of Directors, BWMC.



- Monitoring cost of PKR 500,000/- per month (annual PKR 6,000,000/-) included in cost estimates which will be recovered from the contractor after implementation
- All waste carrying/transportation vehicle should be covered properly to avoid littering.

**Note:**

- All Operational Plans will be prepared by the contractor and BWMC will review and approve the plan for execution. Resources will be based on the actual working requirement. Cost related to special events are part of the estimates.
- Housing Societies are included in the Scope of services. However, if the Private Society is already engaged with any other Waste Management Contractor, then BWMC will not allow the contractor to dispose-off the waste outside the society and will bound the society to dispose-off the waste at controlled dumpsite. BWMC will charge the tipping fee in such scenario. However, the modalities may be changed with prior approval of the Board of Directors-BWMC.
- Alternate machinery may be proposed after the execution of contract but will be deployed with prior approval of the Board of Directors of BWMC. Furthermore, contractor will guarantee that change in machinery will not impact on working and the volumetric capacity of the existing vehicles will be ensured.
- Two dumpsites in large tehsils can be built, with prior approval of the Board of Directors of BWMC. However, in large tehsils more than two dumpsites in a tehsil can be built but with prior approval of the Secretary LG &CD.
- Same branding of uniforms & vehicles will be done by the contractor throughout the Tehsils of Punjab. Only name of the Waste Management Company will be changed.

## **11 FEE COLLECTION BY CONTRACTOR**

### **I. Fee Collection Responsibilities**

The contractor providing sanitation services in the Tehsil shall also be responsible for collecting fees from households, commercial entities and other customers. The fees must be collected at the rates prescribed by the Government of Punjab (GOPb) and based on the customer database provided by the client. The contractor must ensure accurate and timely fee collection, maintaining transparency and accountability throughout the process.

### **II. Administrative Charges**

The contractor is entitled to administrative charges for the amount of fees collected, calculated based on incremental/slab ratios as outlined in Table 11.1. These charges are designed to compensate the contractor for the administrative efforts involved in fee collection. However, if



the contractor fails to collect the desired target (25%, 40%, 60% for year 1, 2, 3 respectively), penalties will be imposed according to the incremental / slab ratios specified in Table 11.2. These penalties ensure that the contractor remains vigilant to achieve the desired collection targets.

### III. Fee Deposit and Payment Process

- **Deposit of Collected Fees:** The contractor must deposit the full amount (100%) of the fees collected into the bank account provided by the Bahawalpur Waste Management Company (BWMC). This deposit should be made promptly to ensure the smooth functioning of the sanitation services.
- **Invoice Submission:** The contractor shall submit a separate invoice for administrative charges on the fees collected on a monthly basis. This invoice should include detailed documentation of the fees collected and the corresponding administrative charges.

### IV. Commencement of Fee Collection

Fee collection from households, commercial entities and other customers shall commence on a date specified by the client, but no later than four months after the execution of the contract. During this initial period, the contractor must ensure zero billing to consumers, allowing time to set up the necessary systems and processes for efficient fee collection.

**Note:** However, it is intimated that after the expiry of four months' period, the fee collection commencement period will be started and contractor will submit the checklist issued by BWMC (as per format provided below) every month to BWMC. Penalty on fee collection will start after six months' period. In case the contractor fails to meet the fee collection target specified in the Table 11.1 of the bidding document, then the contractor will be evaluated as per checklist and penalty will be imposed accordingly.

### V. Digital Billing System

BWMC will establish a digital billing system to assist the contractor in fee collection. This system will provide tools for managing customer data, generating bills and tracking payments. The digital billing system aims to enhance the efficiency and accuracy of the fee collection process, making it easier for the contractor to manage and report on their activities.



## VI. Enforcement of Bill Recovery

BWMC and the District Administration will enforce and facilitate the bill recovery mechanism using the powers granted to them by the Local Government Act and applicable rules. This enforcement ensures that all customers fulfil their payment obligations, supporting the sustainability of the sanitation services.

## VII. Fee Charges Compliance

The contractor is obligated to collect and submit fee charges according to the rates notified by the Government of Punjab (GOPb). These rates are subject to periodic review and adjustment by the government. The contractor must stay informed of any changes to the fee rates and ensure compliance with the latest notifications. Additionally, the contractor should provide customers with clear and accurate information regarding the fees being charged.

**Table-11.1: Admin. / Collection Charges Mechanism for Fee Collection**

Fee Collection Target (of assessed value)	Fee Collected	Contractor Share / Admin. Charges
<b>25%</b> (1 <sup>st</sup> Year)	25%	10% of the Fee Collected
	25% to 50%	10% + 15% of the additional collection
	50% to 80%	10% + 15% of the additional 25% + 20% of the remaining
	80% to 100%	10% + 15% of the additional 25% + 20% of the additional 30% collection + 25% of the remaining
<b>40%</b> (2 <sup>nd</sup> Year)	40%	10% of the Fee Collected
	40% to 60%	10% + 15% of the additional collection
	60% to 80%	10% + 15% of the additional 20% + 20% of the remaining
	80% to 100%	10% + 15% of the additional 20% + 20% of the additional 20% + 25% of the remaining
<b>60%</b> (3 <sup>rd</sup> Year)	60%	10% of the Fee Collected
	60% to 80%	10% + 15% of the additional collection
	80% to 100%	10% + 15% of the additional 20% + 20% of the remaining



**Table-11.2: Penalty Mechanism for Below Fee Collection Target**

Fee Collection Target (of assessed value)	Fee Collected	Contractor Penalty
<b>25% (1<sup>st</sup> Year)</b>	>20% to <25%	No Administrative / Collection Charges to the Contractor, No penalty
	>15% to ≤20%	No Administrative / Collection Charges & 1% deduction from the monthly Invoice of the Contractor against SWM Services
	>10% to ≤15%	No Administrative / Collection Charges 2% deduction from the monthly Invoice of the Contractor against SWM Services
	>5% to ≤10%	No Administrative / Collection Charges 5% deduction from the monthly Invoice of the Contractor against SWM Services
	Less than 5%	Termination proceedings under the contract
<b>40% (2<sup>nd</sup> Year)</b>	>25% to <40%	No Administrative / Collection Charges to the Contractor, No penalty
	>15% to ≤25%	No Administrative / Collection Charges 1% deduction from the monthly Invoice of the Contractor against SWM Services
	>10% to ≤15%	No Administrative / Collection Charges 2% deduction from the monthly Invoice of the Contractor against SWM Services
	>5% to ≤10%	No Administrative Charges 5% deduction from the monthly Invoice of the Contractor against SWM Services
	Less than 5%	Termination proceedings under the contract
<b>60% (3<sup>rd</sup> Year)</b>	>30 % to <60%	No Administrative Charges to the Contractor, No penalty
	>20% to ≤30%	No Administrative Charges 1% deduction from the monthly Invoice of the Contractor against SWM Services
	>10% to ≤20%	No Administrative Charges 2% deduction from the monthly Invoice of the Contractor against SWM Services
	>5% to ≤10%	No Administrative Charges 5% deduction from the monthly Invoice of the Contractor against SWM Services
	Less than 5%	Termination proceedings under the contract
<b>To be decided</b>		



### CHECKLIST FOR FEE COLLECTION

Sr	Activity	Compliance (Yes / No)
1.	<p><b><u>BILL DISTRIBUTED TO THE ENTITIES</u></b></p> <p>Evidence of Bill Delivery, TCS or any other source of delivery used by the Contractor will be provided to BWMC in the following forms:</p> <ul style="list-style-type: none"><li>i) Receiving on the bills delivered</li><li>ii) Pictorial Evidence of the bills delivered</li><li>iii) Summary of sanitation fee collected and targets achieved</li><li>iv) Documentary evidence like deposit slips, reconciliation statement etc.</li></ul>	
2.	<p><b><u>FOLLOW-UP WITH THE ENTITIES FOR FEE COLLECTION IN CASE OF NON-PAYMENT</u></b></p> <p>Contractors need to attach follow-up evidence like reminders in shape of following:</p> <ul style="list-style-type: none"><li>i) Pictorial Evidence of Reminder Notice / Visit</li><li>ii) Pictorial Evidence of Engagement with the bill receiver for ensuring recovery</li><li>iii) Any other evidence</li></ul>	
3.	<p><b><u>INTIMATION TO ENFORCEMENT AND DISTRICT ADMINISTRATION /BWMC</u></b></p> <ul style="list-style-type: none"><li>i) List / Record of Delivery of unpaid entities with the evidence of recovery efforts</li><li>ii) Reminder sent to the enforcement and district administration/BWMC</li></ul>	

**Note: If the contractor fulfills the above mentioned (Sr. 1, 2 & 3) efforts in complete, then no penalty / deduction of less recovery will be charged. Further, above-mentioned steps are not exhaustive, additional steps may be added at the discretion of the BWMC.**





## **13 MILESTONES, TIMELINES, KPIS AND PENALTIES**

### **DIGITAL PERFORMANCE MONITORING MECHANISM**

Resource based contract pricing (based on HR, Fleet and Allied Equipment).

#### **Proposed Payment Mechanism**

- HR will be monitored through Facial/Biometric/Android Recognition (IRIS) based Attendance System.
- Waste Collection & Disposal through digital monitoring system at Landfill Site.
- Machinery will be monitored through Trackers, Artificial Intelligence based Fleet Management Software.
- Container Clearance will be monitored through Digital Monitoring of Fleet and Geo-Tagging of Containers.
- Manual Sweeping and Commercial Areas clearance will be monitored through Digital Monitoring System (pictorial evidence).
- Complaint Management Response Time.
- Execution of Weekly and Monthly plans.

Penalties will be applied through evidence based digital monitoring system in violation of the KPIS.

Contractor's Performance will be monitored digitally through:

- i. Digital Monitoring System for staff attendance, service delivery compliance and KPIS monitoring (Facial/Biometric Recognition, Geo-tagged before after pics, field monitoring through evidence based real time information)
- i. Smart AI based Fleet Management System in all vehicles to check the compliance of each category of vehicle w.r.t operational plan.
- ii. RFID based Vehicle Weighing System at Landfill Site for actual waste collection value transported to disposal site.
- iii. Complaint Redresser System (CRS) through Help Line and Dastak App.

Contractor shall submit operational plans before execution of the operations for client review and approval. Plans will be based on optimal utilization of resources for each activity with defined resources and timeline and to ensure the compliance of work as per SOPs/KPIS defined by the client.





**Table 25: Proposed Payment Mechanism – Liaquat Pur Tehsil**

<b>Payment Mechanism – for initial three (3) months of the Contract</b> (The invoice calculation will be based on daily working w.r.t parameters evaluated on daily basis)					
Sr. No	Activity	% Value	Key Factors/Variables	KPIs	Numbers
1	Waste Collection (Tonnage Based value)	65	1. Waste Disposal through Digital Weighing System.	<ul style="list-style-type: none"> <li>Real time VTCS Report / Trip Counting Application. Contractor has to ensure minimum 20% waste transportation defined by the client at dump site for safe disposal.</li> <li>10 marks on 21-30% tonnage</li> <li>15 marks on 31-40% tonnage</li> <li>20 marks on 41-50% tonnage</li> <li>25 marks on 51-60% tonnage</li> <li>30 marks on 61-70% tonnage</li> <li>35 marks on 71-80% tonnage</li> <li>40 marks on 81-90% tonnage</li> <li>50 marks on 91-100% tonnage</li> </ul>	50
			2. Container Collection/ Clearance as per KPIs.	<ul style="list-style-type: none"> <li>Zero marks below 20%</li> <li>1 mark on 21-30% deployment</li> <li>1.5 marks on 31-60% deployment</li> <li>2 marks on 61-100% deployment</li> </ul>	2
			3. Deployment of Fleet as per Plan and KPIs.	<ul style="list-style-type: none"> <li>Zero marks below 20%</li> <li>1 mark on 21-30% deployment</li> <li>1.5 marks on 31-60% deployment</li> <li>2 marks on 61-100% deployment</li> </ul>	2
			4. Door to Door Waste Collection as per SOPs and KPIs. Door to Door Collection will be measured on the basis of HR deployed, Machinery deployed, area covered by the machinery and verification by the client officer and public feedback. Contractor will submit digital pictorial evidence of the activity on daily basis as per plan.	<ul style="list-style-type: none"> <li>Zero marks below 20%</li> <li>1.5 mark on 21-30% deployment</li> <li>3 marks on 31-50% deployment</li> <li>5 marks on 51-70% deployment</li> <li>7 marks on 71-100% deployment</li> </ul>	7
			5. Collection from Commercial Areas as per KPIs. Contractor will submit digital pictorial evidence of the activity on daily basis as per plan	<ul style="list-style-type: none"> <li>Zero marks below 20%</li> <li>1 mark on 21-30% deployment</li> <li>1.5 marks on 31-60% deployment</li> <li>2 marks on 61-100% deployment</li> </ul>	2
			6. Deployment of Containers as per Plan		2



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			andKPIs. Container repairand aesthetics has to be ensured by contractor. Contractor will submit digital pictorial evidence of the activity on daily basis as per plan	<ul style="list-style-type: none"> <li>• Zero marks below 50%</li> <li>• 1 mark on above 50-75%</li> <li>• 2 mark on above 75-100%</li> </ul>	
2	Manual Sweeping (Number of Workers as per plan vs Actual Present)	15	1. Minimum Attendance forsanitation staff (90%) andManagerial staff (90%).	<ul style="list-style-type: none"> <li>• Zero marks below 20%</li> <li>• 2 mark on 21-40% deployment</li> <li>• 4 marks on 41-50% deployment</li> <li>• 6 marks on 51-60% deployment</li> <li>• 8 marks on 61-70% deployment</li> <li>• 10 marks on above 70% deployment</li> </ul>	10
			2. Street Sweeping (Residential ) Clearance as per KPIs Contractor will submit digital pictorial evidence of the activity on daily basis as per plan	<ul style="list-style-type: none"> <li>• 2 marks below 20 complaints /observations</li> <li>• 1 mark on 21-50 complaints /observations</li> <li>• Zero mark above 50 complaints /observations</li> </ul>	2
			3. Street Sweeping (Commercial) Clearance as per KPIs Contractor will submit digital pictorial evidence of the activity on daily basis as per plan	<ul style="list-style-type: none"> <li>• 1 mark below 20 complaints / observations</li> <li>• Zero marks above 20 complaints / observations</li> </ul>	1
			4. Workers Presence at Beats in duty hours Contractor will submit digital pictorial evidence ofthe activity on daily basis as per plan	<ul style="list-style-type: none"> <li>• 1 mark below 20 complaints / observations</li> <li>• Zero marks above 20 complaints / observations</li> </ul>	1
			5. Workers allied equipment (uniforms,PPEs, Handcarts, Brooms,Bags etc.) availability as per plan and KPIs Contractor will submit digital pictorialevidence of the activity on daily basis as per plan	<ul style="list-style-type: none"> <li>• 1 mark below 20 complaints / observations</li> <li>• Zero marks above 20 complaints / observations</li> </ul>	1
3	Mechanical Sweeping (Km Covered as per plan)	1	1. Deployment of Resources as per plan and KPIs and Work done/ completion as per Plan and KPIs. Contractor will submit	<ul style="list-style-type: none"> <li>• In case, deficiency number increased to 10% or above, 1number deduction of Mech.sweeping activity of that day. Workdeduction in case of activity impactis less than 90% (not as per the SOPs.)</li> </ul>	1



			digital pictorial evidence of the activity on daily basis as per plan		
4	Mechanical Washing (Km Covered as per plan)	1	1. Deployment of Resources as per plan and KPIs and Work done/ completion as per Plan and KPIs. Contractor will submit digital pictorial evidence of the activity on daily basis as per plan	<ul style="list-style-type: none"> <li>In case, deficiency number increased to 10% or above, 1 number deduction of Mech.washing activity of that day. Work deduction in case of activity impact is less than 90% (not as per the SOPs.)</li> </ul>	1
5	TCP/Waste Enclosures Management	05	1. Establishment of TCPs as per Timelines, plan and KPIs	<ul style="list-style-type: none"> <li>Establishment of TCP should be done within the timeline defined by the client. Till non-compliance, payment will not be released in this chapter.</li> </ul>	
			2. Infrastructure of TCPs as per plan and KPIs. Contractor will submit digital pictorial evidence of the activity on daily basis as per plan	<ul style="list-style-type: none"> <li>Deduction in case of non-completion observed even on one non-compliance.</li> </ul>	02
			3. Zero Waste / Transportation of Waste to Dump Site as per plan and KPIs. Contractor will submit digital pictorial evidence of the activity on daily basis as per plan	<ul style="list-style-type: none"> <li>Zero marks on below 20% compliance of total TCPs</li> <li>1 mark on 21-30% TCPs compliance</li> <li>2 marks on 31-60% TCPs compliance</li> <li>3 marks on 61-100% TCPs compliance</li> </ul>	03
6	Bulk Waste Collection (C&D/AW) (Tonnage Based value)	05	1. Waste Disposal through Digital Weighing System.	<ul style="list-style-type: none"> <li>Real time VTCS Report through waste transported to designated dump site</li> </ul>	
			2. Deployment of dedicated fleet as per Plan, SOPs and KPIs	<ul style="list-style-type: none"> <li>2 mark for deployment above 70%</li> <li>1.5 mark for deployment from 61 - 70%</li> <li>1 mark for deployment from 50% - 60%</li> <li>Zero marks below 50% deployment</li> </ul>	02
			3. Collection of Bulk Waste as per Plan, SOPs and KPIs. Contractor will submit digital pictorial evidence of the activity on daily basis as per plan	<ul style="list-style-type: none"> <li>Deduction of waste collection in case of un-approved vehicle/trip by client.</li> </ul>	03
7	Dumpsite Management	05	1. Availability of Machinery and HR as per plans, SOPs and KPIs.	<ul style="list-style-type: none"> <li>Deduction of waste disposal activity of that day in case deficiency number increased to 10% of total number to be deployed/day.</li> </ul>	02
			2. Environment friendly disposal of waste as per	<ul style="list-style-type: none"> <li>Deduction of waste disposal activity</li> </ul>	03



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			plan, SOPs and KPIs. Contractor will submit digital pictorial evidence of the activity on daily basis as per plan	of that day in case non-compliance observed.	
8	De-Silting	03	1. Deployment of Resources as per plan and KPIs	<ul style="list-style-type: none"> <li>• Zero marks on below 50% compliance</li> <li>• 1 mark on 51-70% compliance</li> <li>• 2 marks on or above 70% compliance</li> </ul>	2
			2. Work done/completion as per Plan and KPIs. Contractor will submit digital pictorial evidence of the activity on daily basis as per plan	<ul style="list-style-type: none"> <li>• 1 mark will be given on below 30 complaints/observations</li> <li>• Zero marks on above 31 complaints/ observations</li> </ul>	1
<b>Total</b>		<b>100</b>			<b>100</b>

**PAYMENT MECHANISM AFTER INITIAL THREE MONTHS**

(The invoice calculation will be based on daily working w.r.t parameters evaluated on daily basis)

Sr. No	Activity	% Value	Key Factors/Variables	KPIs	Numbers
1	Waste Collection (Tonnage Based value)	65	1. Waste Disposal through Digital Weighing System.	<ul style="list-style-type: none"> <li>• Real time VTCS Report / Trip Counting Application. Contractor has to ensure minimum 75% waste transportation defined by the client at dump site for safe disposal &amp; payment will be made on actual collected tonnage.</li> <li>• 71%-75% of total tonnage, 15 number invoice value will be deducted.</li> <li>• 61%-70% of total tonnage, 25 number value will be deducted.</li> <li>• 51%-60% of total tonnage, 35 number value will be deducted</li> <li>• Below 50% of Total Tonnage, 50 number will be deducted.</li> </ul>	50
			2. Container Collection / Clearance as per KPIs.	<ul style="list-style-type: none"> <li>• Deduction of waste collection activity of that day in case non-compliance by complaints/observation/VTMS number increased above 10% of total containers approved as per plan.</li> <li>• 81-89%, 1 number of invoice value will be deducted.</li> <li>• 71-80%, 1.5 number of invoice value will be deducted.</li> <li>• Below 70%, 2 number will be deducted</li> </ul>	2
			3. Deployment of Fleet	<ul style="list-style-type: none"> <li>• In case, deficiency number increased</li> </ul>	



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			as per Plan and KPIs.	<ul style="list-style-type: none"> <li>above 10%, deduction of waste collection activity of that day:</li> <li>81-89%, 1 number of invoice value will be deducted.</li> <li>71-80%, 1.5 number of invoice value will be deducted.</li> <li>Below 70%, 2 number will be deducted</li> </ul>	2
			<p>4. Door to Door Waste Collection as per SOPs and KPIs. Door to Door Collection will be measured on the basis of HR deployed, Machinery deployed, area covered by the machinery and verification by the client officer and public feedback. Contractor will submit digital pictorial evidence of the activity on daily basis as per plan.</p>	<ul style="list-style-type: none"> <li>90 % Compliance of approved resources is mandatory.</li> <li>85-89%, 1 number of invoice value will be deducted.</li> <li>81-84%, 2 number of invoice value will be deducted.</li> <li>75-80%, 3 number of invoice value will be deducted.</li> <li>71-74, 4 number of invoice value will be deducted.</li> <li>65-70%, 5 number of invoice value will be deducted.</li> <li>61-64, 6 number of invoice value will be deducted.</li> <li>Below 60%, 7 number will be deducted</li> </ul>	7
			<p>5. Collection from Commercial Areas as per KPIs. Contractor will submit digital pictorial evidence of the activity on daily basis as per plan</p>	<ul style="list-style-type: none"> <li>90 % Compliance of approved resources is mandatory</li> <li>81-89%, 1 number of invoice value will be deducted.</li> <li>71-80%, 1.5 number of invoice value will be deducted</li> <li>Below 70%, 2 number will be deducted</li> </ul>	2
			<p>7. Deployment of Containers as per Plan and KPIs. Container repair and aesthetics has to be ensured by contractor. Contractor will submit digital pictorial evidence of the activity on daily basis as per plan</p>	<ul style="list-style-type: none"> <li>90 % Compliance of approved resources is mandatory</li> <li>81-89%, 1 number of invoice value will be deducted.</li> <li>Below 80%, 2 number deduction of waste collection activity of that day.</li> </ul>	2
2	Manual Sweeping (Number of Workers as per plan vs Actual Present)	15	<p>1. Minimum Attendance for sanitation staff (90%) and Managerial staff (90%) 10% leave allowance is part of the cost estimates.</p>	<ul style="list-style-type: none"> <li>90 % Compliance of approved resources is mandatory</li> <li>81-89%, 3 number of invoice value will be deducted.</li> <li>71-80%, 5 number of invoice value will be deducted.</li> <li>61-70%, 7 number of invoice value will be deducted.</li> </ul>	10



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				<ul style="list-style-type: none"> <li>Below 60%, 10 number of invoice value will be deducted.</li> </ul>	
			<p>2. Street Sweeping (Residential) Clearance as per KPIs Contractor will submit digital pictorial evidence of the activity on daily basis as per plan</p>	<ul style="list-style-type: none"> <li>Deduction of manual sweeping activity of that day in case number increased to 100 complaints / observations per day.</li> </ul>	02
			<p>3. Street Sweeping (Commercial) Clearance as per KPIs Contractor will submit digital pictorial evidence of the activity on daily basis as per plan</p>	<ul style="list-style-type: none"> <li>Deduction of manual sweeping activity of that day in case number increased to 50 complaints / observations / day.</li> </ul>	01
			<p>4. Workers Presence at Beats in duty hours Contractor will submit digital pictorial evidence of the activity on daily basis as per plan</p>	<ul style="list-style-type: none"> <li>Deduction of manual sweeping activity of that day in case number increased to 100 complaints / observations per day regarding absent of worker.</li> </ul>	01
			<p>5. Workers allied equipment (uniforms, PPEs, Handcarts, Brooms, Bags etc.) availability as per plan and KPIs Contractor will submit digital pictorial evidence of the activity on daily basis as per plan</p>	<ul style="list-style-type: none"> <li>Work deduction of the manual sweeping activity in case of deficiency number exceed from 10% of total of non-provision in any of the category mentioned individually / collectively.</li> </ul>	01
3	Mechanical Sweeping (Km Covered as per plan)	1	<p>1. Deployment of Resources as per plan and KPIs and Work done/ completion as per Plan and KPIs. Contractor will submit digital pictorial evidence of the activity on daily basis as per plan</p>	<ul style="list-style-type: none"> <li>In case, deficiency in deployment of resource numbers increased above 10% or in case of activity impact is less than 90% (not as per the SOPs.), 1 number deduction of Mech. sweeping activity of that day.</li> </ul>	1
4	Mechanical Washing (Km Covered as per plan)	1	<p>1. Deployment of Resources as per plan and KPIs and Work done/ completion as per Plan and KPIs. Contractor will submit digital pictorial evidence of the activity on daily basis as per plan</p>	<ul style="list-style-type: none"> <li>In case, deficiency in deployment of resource numbers increased above 10% or in case of activity impact is less than 90% (not as per the SOPs.), 1 number deduction of Mech. washing activity of that day.</li> </ul>	1
5	TCP/Waste Enclosures	05	<p>1. Establishment of TCPs as per Timelines, plan and</p>	<ul style="list-style-type: none"> <li>Establishment of TCP should be done within the timeline defined by the</li> </ul>	





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	Management		KPIs	client. Till non-compliance, payment will not be released in this chapter.	
			2. Infrastructure of TCPs as per plan and KPIs. Contractor will submit digital pictorial evidence of the activity on daily basis as per plan	<ul style="list-style-type: none"> <li>Deduction in case of non-compliance observed even on one non-compliance.</li> </ul>	02
			3. Zero Waste / Transportation of Waste to Dump Site as per plan and KPIs. Contractor will submit digital pictorial evidence of the activity on daily basis as per plan	<ul style="list-style-type: none"> <li>Work deduction in case of non-compliance observed against the plan approved by the client</li> </ul>	03
6	Bulk Waste Collection (C&D/AW) (Tonnage Based value)	05	1. Waste Disposal through Digital Weighing System.	<ul style="list-style-type: none"> <li>Real time VTCS Report through waste transported to designated dump site</li> </ul>	
			2. Deployment of dedicated fleet as per Plan, SOPs and KPIs	<ul style="list-style-type: none"> <li>Deduction of waste collection activity of that day in case deficiency number increased to 10% of total number to be deployed / day.</li> </ul>	02
			3. Collection of Bulk Waste as per Plan, SOPs and KPIs. Contractor will submit digital pictorial evidence of the activity on daily basis as per plan	<ul style="list-style-type: none"> <li>Deduction of waste collection in case of un-approved vehicle/trip by client.</li> <li>The collected tonnage will also be subtracted from the total waste collection of that day.</li> </ul>	03
7	Dumpsite Management	05	1. Availability of Machinery and HR as per plans, SOPs and KPIs.	<ul style="list-style-type: none"> <li>Deduction of waste disposal activity of that day in case deficiency number increased to 10% of total number to be deployed/day.</li> </ul>	02
			2. Environment friendly disposal of waste as per plan, SOPs and KPIs. Contractor will submit digital pictorial evidence of the activity on daily basis as per plan	<ul style="list-style-type: none"> <li>Deduction of waste disposal activity of that day in case non-compliance observed.</li> </ul>	03
8	De-Silting	03	1. Deployment of Resources as per plan and KPIs	<ul style="list-style-type: none"> <li>In case, deficiency number increased above 10%, deduction of De-silting activity of that day</li> </ul>	02
			2. Work done/completion as per Plan and KPIs. Contractor will submit digital pictorial evidence of the activity on daily basis as per plan	<ul style="list-style-type: none"> <li>Work deduction in case of activity impact is not as per the SOPs.</li> </ul>	01
<b>Total</b>		<b>100</b>			<b>100</b>



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**Note:** In case of special circumstances, calamity or any event beyond the control of service provider resulting in stoppage of work, a committee notified separately will assess the situation and will submit its recommendation to the competent authority for payment on actual work done basis.

**Key Notes:** Mechanism to verify DTD area collection, Dump Site Management for environmental friendly disposal of waste, de-silting activity, TCP management, Bulk waste collection etc will be part of operational plan submitted by the contractor for approval of client based on SOPs / KPIs devised by client.





## 14 OPERATIONAL PLANS

Contractor will submit the operational plans against each activity and BWMC will approve after reviewing the plans before execution of services under the contract. Any change / modification in plan after execution of contract shall be approved by the Client (With prior consent / approval of Board of Directors)

**Table 26: Operational Plans**

Frequency	Plans	Bidder to Specify (Compliance)*
Weekly	Plan of Washing of Containers	
	Plan of Repairing of Containers	
	Deployment plan for Emergency Response Gang/Complaints/VVIP Movement	
Monthly	Contractor will submit GIS based UC level operational model/plan with resources covering Door to Door & Container base collection, manual sweeping and waste transportation based on GIS Mapping.	
	De-silting Plan with deployment of resources both HR and Mechanical ensuring removal of De-Silted material.	
	Sunday/Friday Market Cleaning Plan	
	Mosque/Church/Imam Bargahs/Grave Yards cleaning/Washing Plan	
	City Furniture Washing Plan	
	Plot Clearance Plan	
	Mechanical Sweeping and Mechanical Washing Plan	
Biannually	Distribution Plan of Uniforms and PPEs	
	Health and Safety Training Programs of Staff	
	Plans of Counselling of field workers	
Yearly	Execution Plan	
	Procurement Plan	
	Waste Recycling and Recovery Plan	
	HSE Plan	
	Ramzan Bazar Cleaning Plan	
	Eid-ul Fitar & Eid ul Azha Plan	
	Eid Milad Nabi Plan	
	9 <sup>th</sup> & 10 <sup>th</sup> Muharram	
	Monsoon Plan	
	Kashmir Day(5 <sup>th</sup> February), Defence Day (6 <sup>th</sup> September), 25 <sup>th</sup> December, 31 <sup>st</sup> December / 1 <sup>st</sup> January (New Year) etc.	



## 15 PROPOSED MONITORING MECHANISM

Table 27: Proposed Monitoring Mechanism

Sr. No.	Minimum Service Level	Monitoring Frequency	Measuring/Monitoring Procedures	Minimum Acceptable Level & Penalty
<b>Waste Collection</b>				
1	Submission of operational plans of each activity i.e. DTD, CBC, Mech. Sweeping, Washing, TCP Clearance etc.	At the time of execution of operations	The Client shall review these operational plans once received by the Client. Client Approval is mandatory for execution of the plan.	<ol style="list-style-type: none"><li>1. The service provider will submit the plans 15 days before the execution. 1lac/day penalty will be charged for delay.</li><li>2. In case of failure, termination of the contract will be issued.</li></ol>
2	Deployment of vehicles for each activity as per Plan approved by the client. (number and type of vehicles as per the activity schedule time)	Daily	VTMS and/or RFID System at Workshops (As per execution plan).	<ol style="list-style-type: none"><li>1. 10,000/vehicle/day in case of failure to deploy.</li><li>2. 2,000/vehicle/hour for delay in deployment.</li><li>3. In case, the deficiency number increased to 10% or above, 3% deduction of Invoice of that day.</li></ol>
3	Contractor will ensure the best working condition of all its vehicles by all means	Daily	IT based as well as filed monitoring by the Client supervisory persons/third party notified by the client. VTMS/Digital Monitoring Mechanism.	<ol style="list-style-type: none"><li>1. 5,000/vehicle/day in case of breakdown in field. 2 hours resolution time after intimation will be observed for compliance.</li><li>2. 2,000/vehicle/day for delay in improvement of aesthetics of vehicle.</li><li>3. 5,000/vehicle/incident for un-covered transportation of waste.</li></ol>



4	Contractor will place as mentioned in operational plan in Liaqat Pur (Area operational plan): with good aesthetic and working condition by all means.	Daily	IT based as well as filed monitoring by the Client supervisory persons/third party notified by the client. VTMS/Digital Monitoring Mechanism.	<ol style="list-style-type: none"> <li>1. 5,000/container/day in case of failure/shortage.</li> <li>2. 2,000/container/day for delay in repair.</li> <li>3. 2,000/container/day for delay in improvement of aesthetics of container.</li> <li>4. In case, deficiency number increased to 10% or above, 2% deduction of invoice of that day.</li> </ol>
5	Door to Door collection from Residential Areas	Daily	IT based as well as filed monitoring by the Client supervisory persons/third party notified by the client. VTMS/Digital Monitoring Mechanism.	<ol style="list-style-type: none"> <li>1. 2000/incident for non-compliance observed by supervisory officer, UC/Ward Committees or public Complaints.</li> <li>2. In case of citizen complaint, 3 hours resolution time after intimation will be observed for compliance.</li> <li>3. Deduction of 10% of invoice of that day in case number of observations/non-compliance/complaints increased to 100 per day.</li> </ol>
6	Ensure collection of all other wastes (i.e. Green Waste, animal waste, bulk waste etc.) Dedicated vehicles to be deployed.	Daily	IT based as well as filed monitoring by the Client supervisory persons/third party notified by the client. VTMS/Digital Monitoring Mechanism.	<ol style="list-style-type: none"> <li>1. 10,000/vehicle/day in case of failure to deploy.</li> <li>2. 2,000/vehicle/hour for delay in deployment after intimation to the contractor.</li> </ol>



7	Ensure no waste scattered around bins	Daily	Field based monitoring by the Client/third party notified by the client by Digital Monitoring Mechanism.	<ol style="list-style-type: none"> <li>1. 2,000/container/incident. 2 hours resolution time after intimation will be observed for compliance.</li> <li>2. 3% deduction of Invoice of that day in case number increased to 10% of total containers approved as per plan.</li> </ol>
8	Special Occasions waste collection (Eid and other public holidays)- Deployment of Resources as per plan issued by the Client	On Special Occasions	Client shall through Digital Monitoring Mechanism as well field monitoring through its employees /third party notified by the client on daily basis.	<ol style="list-style-type: none"> <li>1. 50,000/vehicle/day in case of failure to deploy.</li> <li>2. 10,000/vehicle/hour for delay in deployment.</li> <li>3. Deduction of 50% of invoice of that month in case contractor failed to execute at least 80% compliance of plan.</li> </ol>
9	Completion of manual sweeping on main roads/commercial markets should be completed before 9:00am	Daily	IT based as well as filed monitoring by the Client supervisory persons/third party notified by the client. Digital Monitoring Mechanism.	<ol style="list-style-type: none"> <li>1. 5,000/incident after 2 hours intimation to contractor.</li> <li>2. In case of citizen complaint, 3 hours resolution time after intimation will be observed for compliance.</li> <li>3. 5% deduction of waste collection/manual sweeping activity of that day in case number increased to 50 complaints/observations/Town/day regarding absent of worker or non-compliance of manual sweeping.</li> </ol>



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10	Completion of manual sweeping in residential areas should be completed before 10:00 AM.		IT based as well as filed monitoring by the Client supervisory persons/third party notified by the client. Digital Monitoring Mechanism.	<ol style="list-style-type: none"> <li>2,000/incident. After 2 hours intimation to contractor.</li> <li>In case of citizen complaint, 3 hours resolution time after intimation will be observed for compliance.</li> <li>5% deduction of waste collection/manual sweeping activity of that day in case number increased to 100 complaints/observations/Town/day regarding absent of worker or non-compliance of manual sweeping.</li> </ol>
11	Sweeping and collection of waste from Sunday/ Friday Markets within 01 hour after its closure and before 06:00 AM on Monday/ Saturday.	Weekly	IT based as well as filed monitoring by the Client supervisory persons/third party notified by the client. VTMS/Digital Monitoring Mechanism.	<ol style="list-style-type: none"> <li>50,000/incident/market.</li> </ol>
12	Ensure agreed number of manual sweepers available in each UCs as per plan approved by the client.	Daily	IT based as well as filed monitoring by the Client supervisory persons/third party notified by the client. Digital Monitoring Mechanism.	<ol style="list-style-type: none"> <li>2,000/worker/day in case of absence.</li> <li>5% deduction of Invoice of that day in case number increased to 50 complaints/observations/Town/day</li> </ol>
13	Presence of staff in Sunday/ Friday markets as per plan.	Weekly	IT based as well as filed monitoring by the Client supervisory persons/third party notified by the client. Digital Monitoring Mechanism.	<ol style="list-style-type: none"> <li>5,000/worker/incident in case of absence after 1 hour of intimation to contractor.</li> </ol>



14	Dedicated vehicles (vehicle dually approved by the Company for each trip) for Collection of C&D /GW/Animal Waste as per plan	Daily	IT based as well as filed monitoring by the Client supervisory persons/third party notified by the client. VTMS/Digital Monitoring Mechanism.	<ol style="list-style-type: none"> <li>10,000/vehicle/incident in case of non-deployment of resources.</li> <li>100% deduction of waste collection in case of un-approved vehicle/trip by client.</li> <li>2% deduction of Invoice of that day in case number increased to 10% of total number to be deployed/violation/day.</li> </ol>
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**Machinery & Allied Equipment**

1	Contractor will ensure 100% availability of vehicles along with backup vehicles for each activity.	Before the execution of the contract/services	Contractor will submit copies of documents for each vehicle registered with Excise and Taxation.	<ol style="list-style-type: none"> <li>The service provider will submit the documents 15 days before the execution. 1lac/day penalty will be charged for delay.</li> <li>In case of failure, termination of the contract will be terminated.</li> </ol>
2	Operational Number of Vehicles per day shall not less than 90% of the agreed quantity	Daily	IT based as well as filed monitoring by the Client supervisory persons/third party notified by the client. VTMS/Digital Monitoring Mechanism.	<ol style="list-style-type: none"> <li>10,000/vehicle/day in case number increased to 5% - 10%.</li> <li>50,000/vehicle/day in case number increased from 10% - 15%.</li> <li>100,000/vehicle/day in case number increased from 15% - 20%.</li> </ol>
3	Placement of total number of containers / Bins as per approved plan by the client within 15 days of execution of the contract. Placement plan should be submitted 15 days before the execution of the contract.	Daily	IT based as well as filed monitoring by the Client supervisory persons/third party notified by the client. VTMS/Digital Monitoring Mechanism.	<ol style="list-style-type: none"> <li>The service provider will submit the manufacturing/fabrication/procurement evidence 15 days before the execution. 1lac/day penalty will be charged for delay.</li> <li>5000/container/day will be applied in case of non-placement of container is less than</li> </ol>



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				<p>10% of the total number.</p> <p>3. Deduction of 1% of invoice in case deficiency number increased to 10% . Termination of Contract may lead if deficiency increased from 30%</p>
4	Relocation of waste bins placed at improper places within 24 hours of intimation/complaint.	Daily	IT based as well as filed monitoring by the Client supervisory persons/third party notified by the client. VTMS/Digital Monitoring Mechanism.	1. 2000/container/day
5	Aesthetic of Container Paint/Washing / cleaning.	Daily	Field based monitoring by the Client/third party notified by the client by Digital Monitoring Mechanism	<p>1. 5000/container/day</p> <p>2. Deduction of 1% of invoice in case observations number increased to 10%</p>
6	Deployment/Provision of total number of Hand carts as per approved plan by the client within 15 days of execution of the contract. Provision plan should be submitted 15 days before the execution of the contract.	Daily	IT based as well as filed monitoring by the Client supervisory persons/third party notified by the client. VTMS/Digital Monitoring Mechanism.	<p>1. The service provider will submit the manufacturing/fabrication/procurement evidence 15 days before the execution. 1lac/day penalty will be charged for delay.</p> <p>2. 5000/handcart/day will be applied in case of non-provision of Hand cart.</p>
7	Collection vehicle shall be spillage proof. In case of the spillage on the roads while transportation. The Company shall be penalized.	Daily	Field-based monitoring by the Client/third party notified by the client by Digital Monitoring Mechanism	1. 10,000/incident.
8	100% Clearance of Fly Tipping	Daily	Field based monitoring by the Client/third party notified by the client by Digital	1. 10,000/incident.





			Monitoring Mechanism	
9	Aesthetic of vehicle Paint/Washing/ cleaning.	Daily	Field based monitoring by the Client/third party notified by the client by Digital Monitoring Mechanism	1. 25,000/vehicle/day
10	Deployment/Provision of all allied equipment (Uniforms, Brooms, Shoes, Gloves, Jackets, Bags, Lime, Phenyl, Scrapping Tools etc) as per approved plan by the client within 15 days of execution of the contract. Provision plan should be submitted 15 days before the execution of the contract.	Daily	IT based as well as filed monitoring by the Client supervisory persons/third party notified by the client. VTMS/Digital Monitoring Mechanism.	<ol style="list-style-type: none"> <li>1. The service provider will submit the manufacturing/fabrication/procurement evidence 15 days before the execution. 1lac/day penalty will be charged for delay.</li> <li>2. 2000/incident/item/day will be applied in case of non-provision.</li> <li>3. 2% Work deduction of manual sweeping activity in case number of complaints/observations increased to 100 individually/collectively.</li> </ol>
11	Contractor will ensure fitness certificates of each vehicle from concerned Govt. Department/Agency on annual basis. Certificates must be submitted in 1st quarter of each calendar year	Daily	Provision of Certificates by the Contractor	1. 10,000/vehicle/day in case of non-compliance.

### Mechanical Sweeping & Washing

1	100% of the tanks of the mechanical sweepers/Washers should be full of water before vehicles departs from the workshop.	Daily	Field based monitoring by the Client/third party notified by the client by Digital Monitoring Mechanism	1. 10,000 / incident
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Outsourcing of SWM Services TEH Liaqat Pur



2	Completion of the task by each vehicle as per schedule approved by the Client.	Daily	IT based as well as filed monitoring by the Client supervisory persons/third party notified by the client. VTMS/Digital Monitoring Mechanism.	1. 10,000 / incident/ over speed working 2. 2% deduction of total invoice of that day in case of activity impact is not as per the SOPs.
3	There should be zero dust layer on the road after Mech. Sweeping/Washing	Daily	Field based monitoring by the Client/third party notified by the client by Digital Monitoring Mechanism	1. 3% deduction of total invoice of that day in case of activity impact is not as per the SOPs.
4	Brushes should in acceptable condition to ensure quality sweeping.	Daily	Field based monitoring by the Client/third party notified by the client by Digital Monitoring Mechanism	1. 10,000 / incident
5	Emptying of mechanical sweeper at notified disposal points.	Daily	Field based monitoring by the Client/third party notified by the client by Digital Monitoring Mechanism	1. 20,000 / incident
6	Mechanical sweeping should be completed before 05:00 AM in case of night operation. .	Daily	IT based as well as filed monitoring by the Client supervisory persons/third party notified by the client. VTMS/Digital Monitoring Mechanism.	1. 20,000 / incident
7	The working speed of mechanical sweeper not more than 15 kilometres per hour.	Daily	IT based as well as filed monitoring by the Client supervisory persons/third party notified by the client. VTMS/Digital Monitoring Mechanism.	1. 10,000 / incident
8	Helpers should be present with vehicle as per plan	Daily	Field based monitoring by the Client/third party notified by the client by Digital Monitoring Mechanism	1. 10,000 / incident
9	In case of complaint deployment of required	Daily	Field based monitoring by the Client/third party notified by the	20,000 / incident



	number of vehicles within 02 hour.		client by Digital Monitoring Mechanism	
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### Waste Transfer and Transportation

1	The transfer station will be operational 24/7 except maintenance days. In case it is non- operative the Company has to make it operational within 24 Hrs of Client Notice.	Daily	IT based as well as filed monitoring by the Client supervisory persons/third party notified by the client. VTMS/Digital Monitoring Mechanism.	1. 100,000 / incident/day
2	Keep the Transfer Station at zero on daily basis.	Daily	IT based as well as filed monitoring by the Client supervisory persons/third party notified by the client. Digital Monitoring Mechanism.	1. 5% deduction of total invoice of that day in case of non-completion observed.
3	Transfer Stations must be covered (10ft high walls) surrounding covered by plantation.	Daily	IT based as well as filed monitoring by the Client supervisory persons/third party notified by the client. Digital Monitoring Mechanism.	1. 5% deduction of total invoice of that day in case of non-completion observed.
4	Platform of Transfer Station must be solid, to avoid any digging of soil/ensuring ground contamination.	Daily	IT based as well as filed monitoring by the Client supervisory persons/third party notified by the client. Digital Monitoring Mechanism.	1. 5% deduction of total invoice of that day in case of non-completion observed.

### Human Resource

1	Attendance of the Workers should not be less than 75% of the workforce (As per the activity plan)	Daily	IT based as well as filed monitoring by the Client supervisory persons/third party notified by the client. Digital Monitoring Mechanism.	<ol style="list-style-type: none"> <li>1. 5,000 / worker/day</li> <li>2. Deduction of manual sweeping activity of that day in case number increased to 50 complaints/day regarding absence of worker.</li> <li>3. 10% deduction of invoice of that day in case of number exceed from 25% absents.</li> </ol>
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Outsourcing of SWM Services TEH Liaqat Pur



2	Attendance of Supervisory and management staff should not be less the 90% in any case	Daily	IT based as well as filed monitoring by the Client supervisory persons/third party notified by the client. VTMS/Digital Monitoring Mechanism.	1. 25,000 / staff/day 2. 10% deduction of invoice of that day in case of number exceed from 25% absents.
3	100% workers of all categories shall wear uniform.	Daily	IT based as well as filed monitoring by the Client supervisory persons/third party notified by the client. VTMS/Digital Monitoring Mechanism.	1. 5,000 / worker/day
4	Attendance of workers should be completed before 6:00 A.M (at designated time & location approved by the client) at the designated locations.	Daily	IT based as well as filed monitoring by the Client supervisory persons/third party notified by the client. VTMS/Digital Monitoring Mechanism.	1. 25,000 / incident/day
5	Sweeping staff should be working in their respective beats.	Daily	IT based as well as filed monitoring by the Client supervisory persons/third party notified by the client. VTMS/Digital Monitoring Mechanism.	1. 5,000 / worker/day



## Section-IV: Bid Data Sheet

**Bid Data Sheet (BDS)**

<b>A. Introduction</b>		
<b>BDS Clause Number</b>	<b>ITB Number</b>	<b>Amendments of, and Supplements to, Clauses in the Instruction to Bidders</b>
1.	2.1.1	<p><b>Name of the Procuring Agency:</b></p> <p>Bahawalpur Waste Management Company (BWMC)</p> <p>The subject of procurement is: <b><u>OUTSOURCING OF SOLID WASTE MANAGEMENT SERVICES (ALONG WITH AVAILABLE RESOURCES) FOR TEHSIL LIAQAT PUR (RURAL &amp; URBAN AREAS).</u></b></p> <p>The Procuring Agency wishes to conduct National competitive bidding process for the subject procurement as per the TORs / Scope of Services defined in Section-III of this Bidding Document. However, The Procuring Agency is not bound to accept any or all Bids and reserves the right to annul the Bidding Process at any time prior to award of the Contract without thereby incurring any liability to the Bidders.</p>
2.	2.1.2	<p>Financial year for the operations of the Procuring Agency: [2024-25]</p> <p>Name of financing institution: <b><u>Government of the Punjab.</u></b></p>
3.	2.1.3 (iv)	Alteration / amendment in a JV / Consortium (formed at pre-qualification stage) shall not be allowed.
4.		Ineligible country(s) is <b>India &amp; Israel</b>
<b>B. Bidding Documents</b>		
5.	2.2.2	<p>The address for clarification of Bidding Document mentioned below. <i>The contact information for requesting clarifications is as under;</i></p> <p style="text-align: center;"><b>Manager Procurement</b> Bahawalpur Waste Management Company 1-2/D, al-Aqsa Mall, Opp. SNGPL office, Model Town "A" Bahawalpur Phone: 062-9255202</p>
6.	2.2.2	Pre-bid meeting will be held at below address with and date;



		<p><b>September 26, 2024 Timing 14:30 Hours PST:</b></p> <p><b>Manager Procurement</b> Bahawalpur Waste Management Company 1-2/D, al-Aqsa Mall, Opp. SNGPL office, Model Town “A” Bahawalpur Phone: 062-9255202</p>
7.	2.3.8	The number of documents to be completed and returned One original (01) and One True Copy of original and same will be signed by Authorized Person along with one soft copy in a separate USB.
<b>C. Bid Price, Currency, Language and Country of Origin</b>		
8.	2.3.1	The language of the Bid is English. All correspondence shall be in the English language.
9.	2.3.3 (iv)	Prices shall be fixed for contract period inclusive of all Applicable Taxes. However, price adjustment will be made at the time of invoice processing as specified in clause 9 of SCC.
10.	2.3.4	The price quoted shall be in <b>PKR</b>
<b>D. Preparation and Submission of Bids</b>		
11.	2.1.3	<b>Mandatory criteria for Tehsil Liaqat Pur: -</b>  i) Pre-Qualified Bidders / Shortlisted Bidders are only eligible.
12.	2.4.2	The deadline for Bid submission is;  Date & Time: <b>October 03, 2024 till 1400 Hours (PST)</b>  <b>Manager Procurement</b> Bahawalpur Waste Management Company 1-2/D, al-Aqsa Mall, Opp. SNGPL office, Model Town “A” Bahawalpur Phone: 062-9255202



Outsourcing of SWM Services TEH Liaqat Pur



<p><b>13.</b></p>	<p><b>2.5.1</b></p>	<p>Time, date/ Month/ Year, and place for Bid opening.</p> <p>Date &amp; Time: <b>October 03, 2024 at 1430 Hours (PST).</b></p> <p>The Proposal submission address is as under;</p> <p style="text-align: center;"><b>Manager Procurement</b> Bahawalpur Waste Management Company 1-2/D, al-Aqsa Mall, Opp. SNGPL office, Model Town “A” Bahawalpur Phone: 062-9255202</p>								
<p><b>14.</b></p>	<p><b>2.6.2</b></p>	<p>Amount of Performance Guarantee: As per rule 56 of PPR-14, a performance guarantees at the rate of <b>1%</b> of Contract Price for four years as offered by the contractor. The Contractor shall provide Performance Guarantee 3 months beyond project duration i.e. (Four Years) to the Client. The said guarantee shall be furnished or caused to be furnished by the Contractor within Fifteen (15) days after the receipt of the Letter of Acceptance.</p> <p>The Performance Guarantee shall be denominated in a currency of the Contract, or in a freely convertible currency acceptable to the Procuring Agency, and shall be in following form;</p> <p>An unconditional Bank Guarantee;</p> <p>Issued by any scheduled bank acceptable to the procuring Agency located in Pakistan; and in the form provided in the Bidding Document or another form acceptable to the Procuring Agency.</p>								
<p><b>15.</b></p>	<p><b>2.3.6</b></p>	<p>Bid Security, in favor of <b>Bahawalpur Waste Management Company</b> shall be <b>1%</b> of the estimated cost in shape of Bank Guarantee or any other form acceptable to the Procuring Agency. Bid Security should be submitted along with Technical Proposal:</p> <table border="1" data-bbox="497 1615 1422 1798"> <thead> <tr> <th data-bbox="497 1615 561 1715">Sr.</th> <th data-bbox="561 1615 991 1715">Tehsil of Rahim Yar Khan District</th> <th data-bbox="991 1615 1235 1715">Estimated Cost for 4 Years (Rs.)</th> <th data-bbox="1235 1615 1422 1715">Bid Security @ 1%</th> </tr> </thead> <tbody> <tr> <td data-bbox="497 1715 561 1798">1</td> <td data-bbox="561 1715 991 1798">Liaqat Pur (City and Rural Areas)</td> <td data-bbox="991 1715 1235 1798"><b>4,559.26</b> Million</td> <td data-bbox="1235 1715 1422 1798">45.59 Million</td> </tr> </tbody> </table>	Sr.	Tehsil of Rahim Yar Khan District	Estimated Cost for 4 Years (Rs.)	Bid Security @ 1%	1	Liaqat Pur (City and Rural Areas)	<b>4,559.26</b> Million	45.59 Million
Sr.	Tehsil of Rahim Yar Khan District	Estimated Cost for 4 Years (Rs.)	Bid Security @ 1%							
1	Liaqat Pur (City and Rural Areas)	<b>4,559.26</b> Million	45.59 Million							
<p><b>16.</b></p>	<p><b>2.3.7</b></p>	<p>Bid validity period after opening of the Bid is: <b>180 Days</b></p>								



<b>17.</b>	<b>2.3.8</b>	<p>Number of copies of the Bid to be provided are: 01 True Copy of proposal.</p> <p><b>Note:</b> In case of conflict between the Copy and Original Proposal, the original proposal will prevail.</p>
<b>E. Opening and Evaluation of Bids</b>		
<b>18.</b>	<b>2.3.4</b>	Prices of Bid will be in PKR
<b>F. Bid Evaluation Criteria</b>		

<b>19</b>	<b>2.5.8</b>	<b>Evaluation Criteria to Bid;</b>			
		<i>Below is the Technical Evaluation Criteria based on the Scope for Tehsil Liaqat Pur;</i>			
		<b>Sr.</b>	<b>Criteria</b>	<b>Requirement</b>	<b>Total Marks</b>
		<b>1 Financial Capability</b>			<b>20</b>
<b>i</b>	<p>Average Annual Turnover of at least <b>Rs.300 Million</b> in last three (03) years.</p> <ul style="list-style-type: none"> <li>No Marks will be given if the Annual Audited Reports of last three years (2020-21, 2021-22, 2022-23) duly certified by chartered accountant are not attached.</li> </ul> <p>(Audited reports for F.Y 2023-24 will consider if finalized)</p>	<ul style="list-style-type: none"> <li>Full Marks if average annual turnover is Rs.300 million or more.</li> <li>50 % Marks if average annual turnover is less than Rs.300 million but greater than or equal to Rs.200 million.</li> <li>No marks will be given if average annual turnover is less than Rs.200 million.</li> </ul>	<b>10</b>		
<b>ii</b>	<p>Bank Balance / Credit Limit</p> <p>If bank balance + credit limit up-to 26<sup>th</sup> September, 2024 is equal to or more than</p>	<p>Proof of cash availability in terms of Bank statement, or available Credit facility must be provided not older than 26<sup>th</sup> September, 2024.</p>	<b>10</b>		





		<p>Rs. <b>189.97 million</b>, full marks will be awarded.</p> <p>Otherwise, the marks may be awarded as;</p> <p>Closing balance + Credit Limit x 10</p> <hr/> <p>No Marks will be given if bank balance + credit limit is less than <b>Rs.132.98 million</b>.</p> <p>No marks will be given if the latest / valid Credit line certificate and Bank Statement up to (one week before the bid submission date i.e. 26<sup>th</sup> September, 2024) is not attached.</p>	<ul style="list-style-type: none"> <li>• Availability of 70% Financial Resources: 03 Marks</li> <li>• Availability of 80% Financial Resources: 05 Marks</li> <li>• Availability of 90% Financial Resources: 07 Marks</li> <li>• Availability of 100% Financial Resources: 10 Marks</li> </ul>	
<b>2. Proposed Work-Plan and Management</b>				
	<p><b>2.1</b></p>	<p>Compliance of operational plan as per scope of work defined in Section-III covering the following major points;</p> <ul style="list-style-type: none"> <li>➤ Door to Door Collection</li> <li>➤ Container Based Collection</li> <li>➤ Manual Sweeping &amp; De-silting</li> <li>➤ Waste Disposal Strategy</li> <li>➤ Secondary Collection &amp; Landfill Site Management</li> <li>➤ Revenue Collection</li> </ul>	<ul style="list-style-type: none"> <li>• Bidder will submit a detailed operational / execution plan explaining the methodology of waste collection, transportation and disposal of waste.</li> <li>• 40 Marks will be given if bidder's execution plan and methodology complies with the mentioned specifications / TORs. Marks will be evaluated by the Technical Committee.</li> <li>• If the bidder deviates from the mentioned specification / TORs, they will be evaluated</li> </ul>	<b>40</b>



		<p>&amp; marked by the Technical Committee accordingly.</p> <p>The decision of the Technical Evaluation Committee / Management Procurement Committee will be final in this regard.</p>													
<b>3. Key Personnel</b>															
		<p><b>Key Personnel of firm / Company</b></p> <p>The verification of engineers will be confirmed from Pakistan engineering council online website or verified through PEC acknowledgement receipts which must be Attached by the bidder. No marks will be given if the employment status did not show employed with the firm at online verification of PEC website or if bidder does not attach acknowledgement receipt.</p> <p>Bidders will provide CV's, experience certificates, affidavit of employees on judicial stamp paper. No marks if required documents are not attached.</p>													
		<table border="1"> <thead> <tr> <th>Sr.</th> <th>Qualification &amp; Experience</th> <th>Marks</th> </tr> </thead> <tbody> <tr> <td>i</td> <td>One Project Manager having minimum sixteen years education in the field of Business Administration or related discipline with 3 years' or above relevant experience.</td> <td>2 Marks of qualification &amp; 2 Marks of experience</td> </tr> <tr> <td>ii</td> <td>One Engineer having minimum sixteen years education in the field of Environmental / Mechanical / Civil Engineering or related discipline with 3 years' or above relevant experience.</td> <td>2 Marks of qualification &amp; 2 Marks of experience</td> </tr> <tr> <td>iii</td> <td>10 HTV Drivers having valid License, minimum 03 Years old</td> <td>0.20 mark for each driver</td> </tr> </tbody> </table>	Sr.	Qualification & Experience	Marks	i	One Project Manager having minimum sixteen years education in the field of Business Administration or related discipline with 3 years' or above relevant experience.	2 Marks of qualification & 2 Marks of experience	ii	One Engineer having minimum sixteen years education in the field of Environmental / Mechanical / Civil Engineering or related discipline with 3 years' or above relevant experience.	2 Marks of qualification & 2 Marks of experience	iii	10 HTV Drivers having valid License, minimum 03 Years old	0.20 mark for each driver	<b>10</b>
Sr.	Qualification & Experience	Marks													
i	One Project Manager having minimum sixteen years education in the field of Business Administration or related discipline with 3 years' or above relevant experience.	2 Marks of qualification & 2 Marks of experience													
ii	One Engineer having minimum sixteen years education in the field of Environmental / Mechanical / Civil Engineering or related discipline with 3 years' or above relevant experience.	2 Marks of qualification & 2 Marks of experience													
iii	10 HTV Drivers having valid License, minimum 03 Years old	0.20 mark for each driver													
<b>4 Specialized Machinery</b>															
		<p><b>4.1</b> Relevant vehicles must be ensured by the bidder in terms of rental deed and/or ownership</p>	<b>30</b>												



		<p>Marking criteria is as follows;</p> <ul style="list-style-type: none"> <li>i) Availability of 25% of the total vehicles as mentioned in the Technical Specifications/ Operational Plan: 10 Marks</li> <li>ii) Availability of 50% of the total vehicles as mentioned in the Technical Specifications/ Operational Plan: 20 Marks</li> <li>iii) Availability of 75% of the total vehicles as mentioned in the Technical Specifications/ Operational Plan: 30 Marks</li> </ul>	
		<b>Total Marks</b>	<b>100</b>
		<ul style="list-style-type: none"> <li>• The applicant must score <b>65</b> marks to qualify.</li> </ul> <p>National Competitive Bidding shall be conducted under <b>Single Stage Two Envelope</b> bidding procedure with Least Cost method as stipulated in PPRA Rules 2014, as amended from time to time. The bid shall be a single sealed package consisting of two separately sealed envelopes, containing separately the Technical and Financial Proposal. The envelopes shall be marked as “Technical Proposal” and “Financial Proposal” as described in rule 38 (2) (a) of PPRA Rules 2014.</p> <p>Note: Bidders shall fill the prices in the price schedule of this bidding document and shall submit the original bidding document in the financial bid. However, copy of the bidding document without price schedule will be submitted in the technical bid. Each page of the bidding document must be signed and stamped by the authorized person of the bidder.</p> <p>Bids will be evaluated on the Basis of Total Bid Price as per the Scope of services and contract will be awarded to the lowest evaluated bidder.</p>	

**G. Award of Contract**

<b>20</b>	<b>2.6.5</b>	Percentage for quantity increase or decrease is: 15% as per PPRA Rules 2014.
<b>21</b>	<b>2.6.2</b>	The Performance Guarantee shall be: 1% of Contract Price for Four Years.



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22	2.6.2	The Performance Guarantee shall be in the form of: <b>Unconditional Bank Guarantee</b> from any scheduled bank of Pakistan acceptable to the procuring agency having validity 3 months beyond the contract / project duration.
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## NOTIFICATION OF AWARDS

[Date]

To:

[Name and address of the Successful Bidder]

*Unless expressly specified otherwise, all capitalized terms used herein shall bear the meaning ascribed thereto in the Bidding Document.*

This is to notify you that your Bid consisting of the Technical Proposal and the Financial Proposal dated ----- 2024 for execution of the Contract for Tehsil Liaqat Pur (the “Contract”) for the **Total Bid Price For Four Years**\_\_\_\_\_ (inclusive of all applicable taxes and other obligations as per TORs), as corrected and modified in accordance with the Bidding Document is hereby accepted by the Procuring Agency.

You are requested to furnish your performance guarantee as per bidding document and stamp papers as per stamp duty Act 1899 within Fifteen (15) days and thereafter sign the Contract within Three (03) days after the receipt of performance guarantee and stamp papers.

On the date of signing of the Contract you are required to provide the Required Documents (each to the satisfaction of the Procuring Agency). Failure to furnish the Letter of Acceptance, execute the Contract or furnish any of the Required Documents each within the aforesaid time period may result in cancellation of the award and forfeiture of the Bid Security.

This Notification of Award shall incorporate all Contracts made to the Bid (if any) agreed between the Procuring Agency and yourself. This Notification of Award shall constitute, subject to all terms and conditions of the Bidding Document except the changes or modifications agreed between yourself and the Procuring Agency, a binding contract between contractor and procuring Agency until the Contract is executed.

[Authorized Signature]

[Name and Title of Signatory]

[Name of Procuring Agency]



# DRAFT CONTRACT

Contract No. \_\_\_\_\_



**Draft Contract**

**For**

**OUTSOURCING OF SOLID WASTE MANAGEMENT  
SERVICES (ALONG WITH AVAILABLE RESOURCES) FOR  
TEHSIL LIAQAT PUR  
(Rural & Urban Areas)**

**By and Between**

**Contractor Name:**

**AND**

**Bahawalpur Waste Management Company (BWMC)**



## **CONTRACT FORM**

THIS CONTRACT is made on this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_ by & between M/s **Bahawalpur Waste Management Company (BPMC)**, a company registered under Section 42 of the Companies Ordinance, 1984 (now Companies Act 2017) having its registered office at 1-2/D, al-Aqsa Mall, Opp. SNGPL office, Model Town “A” Bahawalpur Phone: 062-9255202 (hereinafter referred to as “the Procuring Agency / Client”) which expression, unless it be repugnant to the context or meaning thereof and shall, where the context so permits include its successors in interest, legal heirs, legal representatives, executors and permitted assign) on the one part.

AND

Service Provider Name \_\_\_\_\_ having its registered office at \_\_\_\_\_ (Hereinafter referred to as the “CONTRACTOR” which expression, unless it be repugnant to the context or meaning thereof means and shall, where the context so permit, include its successors in interest, legal heirs, legal representatives, executors and permitted assign) on the other part.

WHEREAS, the Client intends to award the Contractor for **OUTSOURCING OF SOLID WASTE MANAGEMENT SERVICES (ALONG WITH AVAILABLE RESOURCES), FOR TEHSIL LIAQAT PUR (Rural & Urban Areas)**” (Herein referred to as “PROJECT”)

AND WHEREAS, the Contractor is willing to provide such services subject to and in accordance with the terms and conditions of this Contract in the sum of [contract price in words and figures] (hereinafter called “the Contract Price”);

NOW THIS CONTRACT WITNESSETH AS FOLLOWS:

1. In this Contract words and expressions shall have the same meanings as are assigned to them respectively in the Conditions of Contract.
2. The following documents shall be deemed to form and be read and construed as part of this Contract. (In case of discrepancy between the Documents, the following sequence will prevail);
  - (a) Complete Bidding Document (Signed & Stamped)
  - (b) The Bid Form and the Price Schedule submitted by the Bidder;
  - (c) The Schedule of Requirements/Work Plan/Deputation Plan;
  - (d) The Technical Specifications / TORs (Scope of Services);
  - (e) SOPs, KPIs, Plans and Maps
  - (f) The Special Conditions of Contract; and
  - (g) The General Conditions of Contract;



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- (h) The Procuring Agency's Notification of Award / LOA.
- (i) Addendum (if any)

3. In consideration of the payments to be made by the Procuring Agency to the Service Provider as hereinafter mentioned, the Service Provider hereby covenants with the Procuring Agency to provide the services in the project site in accordance with the provisions of the Contract and as required under **Section VII** Schedule of Requirements / Work Plan / Deputation Plan.

4. The Procuring Agency hereby covenants to pay the Service Provider in consideration of the provision of services in project site, the Contract Price or such other sum as may become payable under the provisions of the contract at the times and in the manner prescribed by the contract.

IN WITNESS WHEREOF, the Parties hereto have, Hereunto set their respective hands through their authorized representatives, executed and entered into this Contract on this **day of -----, 2024.**

For and on Behalf of Client

For and on Behalf of Contractor

**Bahawalpur Waste Management  
Company (BWMC)**

\_\_\_\_\_

**WITNESSES:**

**CLIENT**

**CONTRACTOR**





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## Section-V: Part I-General Conditions of Contract



## 1. Definitions

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

- (a) “The Contract” means the Contract entered into by and between the Client / Procuring Agency and the service Provider / Contractor, as recorded in the Contract Form signed by the parties, including all attachments, appendices and annexures thereto and all documents incorporated by reference therein.
- (b) “The Contract Price” means the price payable to the Contractor / Service Provider under the Contract for the full and satisfactory performance of its contractual obligations to provide services in the project site as per the provisions laid down in the Contract.
- (c) “The Goods” means all the equipment, machinery, and/or other materials which the Service Provider / Contractor is required to supply to the Procuring Agency / Client under the Contract.
- (d) “Municipal Solid Waste (MSW)” includes all but not limited to items from homes and businesses whatsoever that people no longer have any use for commonly called trash or garbage and include items such as food waste, paper, plastics, textiles, rags. Leather, wood, green garbage such as grass and leafs etc. glass, metals, sanitary waste in septic tanks, and other waste such as demolition and construction debris.
- (e) “Primary Municipal Solid Waste Collection” consists of the door to door collection of waste from the point where it is placed by the person or organization that has produced it and/or wherever it is found in the Project Territory.
- (f) “Secondary Municipal Solid Waste Collection” includes picking up MSW from community bins, waste storage depots, or transfer stations and transporting it to waste processing sites or to the final disposal sites.
- (g) “The Services” means all services ancillary and related to the Services of Solid Waste Management for collection of Primary & Secondary Waste Collection, Sweeping & Washing of Manual and Mechanical and clearance of De-siting/cleaning of Nallas and Small Open Drains, such as transportation and insurance, and any other incidental services, such as installation, commissioning, provision of technical assistance, training, maintenance & repair and



other such obligations of the Service Provider covered under the Contract.

- (h) “Specifications” mean the document as listed in the Contract Data, including Client’s requirements in respect of design to be carried out by the Contractor (if any), and any Variation to such documents.
- (i) “Plan and Map” means the Contractors plans and maps of the Services as listed in the Contract Data and any Variation to such plans and maps.
- (j) “Contract Period” means the time period for the Services (or as extended under Sub-Clause 8.2 calculated from the Commencement Date.
- (k) “GCC” means the General Conditions of Contract contained in this section.
- (l) “SCC” means the Special Conditions of Contract.
- (m) “The Procuring Agency” means the organization procuring the Services, as named in SCC.
- (n) “The Procuring Agency’s country” is the country named in SCC.
- (o) “The Service Provider” means the Bidder / Contractor or firm / bidder / contractor supplying/ Joint Ventures/Consortium / rendering the Services under this Contract.
- (p) “The Project Site,” where applicable, means the place or places named in SCC.
- (q) “Day” means calendar day.
- (r) **Other Definitions;**
  - i) “Contractor’s Equipment” means all machinery, vehicles, equipment, apparatus and plants and other things required for the execution of the Contract Services.
  - ii) “Country” means the Islamic Republic of Pakistan.
  - iii) “Client Risk” means those matters listed in Sub-Clause 8.5.3.
  - iv) “Force Majeure” means an event or circumstance which makes performance of a Party’s obligations impracticable and which is beyond that Party’s reasonable control and as



- explained in clause 15.2.
- v) “Materials” mean things of all kinds to be supplied, machinery, equipment and incorporated in the Services by the Contractor.
  - vi) “Machinery” means the machinery, vehicles and apparatus intended to form or forming part of the Services.
  - vii) “Site” means the places provided by the Client where the Services are to be executed, and any other places specified in the Contract as forming part of the Site.
  - viii) “Variation” means a change which is instructed by the Client under Clause 14 of GCC.
  - ix) “Service” means any or all the Services whether solid waste collection (Primary & Secondary), De-silting / Cleaning of Nallas and Small Open Drains, transportation, mechanical sweeping, manual sweeping, mechanical washing and establishment & maintenance of Transfer Stations and controlled dump sites and any variation thereof.
- (s) “Interpretation” Words importing persons or parties shall include firms and organizations. Words importing singular or one gender shall include plural or the other gender where the context requires.
- (t) “Law” The Contract Act 1872 which is relevant Law of the Islamic Republic of Pakistan.
- (u) “Statutory Obligations” The Contract shall comply with the Laws of Islamic Republic of Pakistan and shall give notices and pay all fees and other charges in respect of the Services due from time to time.

## **2. Application**

2.1. These General Conditions shall apply to the extent that they are not superseded by provisions of other parts of the Contract.

## **3. Country of Origin**

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

3.2. The origin of Services is distinct from the nationality of the Service Provider. In any case, the requirements of rules 10 & 26, PPR-14, shall be followed.

## **4. Standards**

4.1. The services supplied under this Contract shall conform to the standards mentioned in the Technical Specifications / Scope of Services / Work Plan / Deputation Plan.



**5. Use of Contract Documents and Information; Inspection and Audit by the procuring agency.**

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

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

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

5.4. The Service Provider shall permit the Procuring Agency to inspect the Service Provider's accounts and records relating to the performance of the Service Provider and to have them audited by auditors appointed by the procuring agency, if so required by the procuring agency.

**6. Performance Guarantee**

6.1. Within Fifteen (15) days of receipt of the Notification of Contract Award, the successful Bidder shall furnish to the Procuring Agency the Performance Guarantee in the amount specified in SCC / Bid Data Sheet & clause 2.6.2 of ITB.

6.2. The proceeds of the Performance Guarantee shall be payable to the Procuring Agency as compensation for any loss resulting from the Service Provider's failure to complete its obligations under the Contract.

6.3. As per Rule-56 of PPR-14, the performance guarantee shall be denominated in the currency of the country acceptable to the Procuring Agency and shall be in one of the following forms:

- (a) A bank guarantee issued by a scheduled bank located in the Procuring Agency's country, in the form provided in the Bidding Document.

6.4. The performance guarantee shall be released by the Procuring Agency / Client and returned to the Service Provider / Contractor not later than thirty (30) days following the date of completion of the Service Provider's performance obligations under the Contract, including any warranty obligations, unless specified otherwise in SCC.



- 7. Incidental material** 7.1. The Service Provider may be required to provide any of the incidental material if any, specified in SCC:
- 8. Commencement of Services Starting Date / Effective Date of Commencement** The Service Provider shall commence services within the period specified in SCC after the date the Contract becomes effective, but in no case it shall be without the receipt of performance guarantee.
- 9. Time Schedule of Services** The time schedule of Services is specified in the SCC.
- 10. Payment**
- 10.1. The method and conditions of payment to be made to the Service Provider under this Contract shall be as specified in SCC.
- 10.2. The Service Provider's request(s) for payment shall be made to the Procuring Agency in writing, accompanied by an invoice describing, as appropriate, Services performed, and by documents submitted and upon fulfillment of other obligations stipulated in the Contract.
- 10.3. As per rule-62 of PPR-14, payments shall be made promptly by the Procuring Agency, but in no case later than thirty (30) days after submission of an invoice or claim by the Service Provider, provided the work is satisfactory and duly verified by the representative(s) of Procuring Agency / Client deputed and authorized in this regard.
- 10.4. The currency of payment would be PKR.
- 11. Prices** 11.1. Prices charged by the Service Provider and Services performed under the Contract shall not vary from the prices quoted by the Service Provider in its Bid, with the exception of any price adjustments authorized in SCC.
- 12. Contract Price** 12.1. The price payable in Pak Rupees (PKR) is set forth in SCC
- 13. Price Escalation / De-Escalation and Change in the Applicable Law** 13.1. Price adjustment will be allowed in this contract as explained in Special Conditions of the Contract (SCC).
- 14. Change Orders** 14.1. The Procuring Agency may at any time pursuant to GCC Clause 15, by a written order given to the Service Provider / Contractor, make changes within the scope of the Contract or any additional scope of work, only if it is established and admitted as inevitable for the



successful completion of the services with prior approval of Board of Directors, BWMC.

14.2. If any such change causes an increase or decrease in the cost of, or the time required for, the Service Provider's performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price, or both, and the Contract shall accordingly be amended. Any claims by the Service Provider for adjustment under this clause must be asserted within thirty (30) days from the date of the Service Provider's receipt of the Procuring Agency's change order.

**15. Contract Amendments**

15.1. Subject to GCC Clause 14, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.

**16. Assignment**

16.1. The Service Provider / Contractor may execute subcontracting in a year for services with prior written approval of the Procuring Agency / Client.

**17. Sub-Contracts**

17.1. The Service Provider shall notify the Procuring Agency in the Bid of all subcontracts to be assigned under this Contract. Such notification, in the original Bid or later, shall not relieve the Service Provider from any liability or obligation under the Contract.

17.2. Subcontracts must comply with the provisions of GCC Clause 16.

**18. Delays in the Service Provider's Performance**

18.1. Performance of Services shall be made by the Service Provider in accordance with the Schedule of Requirements/Work Plan/ Deputation Plan as prescribed by the Procuring Agency in Section VII.

18.2. If at any time during performance of the Contract, the Service Provider or its subcontractor(s) should encounter conditions impeding timely performance of Services, the Service Provider shall promptly notify the Procuring Agency in writing of the fact of the delay, its likely duration and its cause(s). The Procuring Agency after receipt of the service provider's such notice shall evaluate the situation and if deemed appropriate and rationale, the Procuring Agency may extend the Service Provider's-time for performance, with or without liquidated damages, in which case the extension shall be ratified by the parties by amendment of Contract.

18.3. Except as provided under GCC Clause 21, a delay by the Service Provider in the performance of its delivery obligations shall render the Service Provider liable to the imposition of liquidated damages.

**19. Liquidated Damages**

19.1. Notwithstanding to GCC Clause 21, if the Service Provider fails to provide the Services as per requirement/ within the period(s)





specified in the Contract, the Procuring Agency shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in SCC of the delivered price of the delayed Goods or unperformed Services for each day or part thereof until actual delivery or performance, up to a maximum deduction of the percentage specified in SCC. Once the maximum deduction is reached, the Procuring Agency may consider termination of the Contract pursuant to GCC Clause 20 along with other remedies available under PPR-14.

## **20. Termination for Default**

20.1. The Procuring Agency, without prejudice to any other remedy for breach of the Contract, by written notice of default sent to the Service Provider, may terminate this Contract in whole or in part:

- (a) If the Service Provider fails to deliver any or all of the service within the period(s) specified in the Contract, or within any extension thereof granted by the Procuring Agency pursuant to GCC Clause 18;
- (b) If the Service Provider fails to perform any other obligation(s) under the Contract; or
- (c) If the Service Provider, in the judgment of the Procuring Agency has engaged in corrupt practices in competing for or in executing the Contract. For the purpose of this clause, corrupt practices mean the practice defined as per Section 2(d) of The PPRA Act, 2009 read with Rule 21(d) of PPRA Rules 2014.

20.2 In the event the Procuring Agency terminates the Contract in whole or in part, pursuant to GCC Clause 20.1, the Procuring Agency may procure, upon such terms and in such manner as it deems appropriate, Services similar to those undelivered, and the Service Provider shall be liable to the Procuring Agency for any excess costs for such similar Services. However, the Service Provider shall continue performance of the Contract to the extent not terminated.

## **21. Force Majeure**

21.1. Notwithstanding the provisions of GCC Clauses 18, 19, and 20, the Service Provider shall not be liable for forfeiture of its Performance Guarantee, liquidated damages, or termination for default if and to the extent that it delays in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

21.2. For purposes of this clause, “Force Majeure” means an event beyond the control of the Service Provider and not involving the Service Provider’s fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the Procuring Agency in its





sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes. Both, the Procuring Agency and the Service Provider, may agree to exclude certain widespread conditions e.g.: epidemics, pandemics, quarantine restrictions etc. from the purview of “Force Majeure”.

21.3. If a Force Majeure situation arises, the Service Provider shall promptly notify the Procuring Agency in writing of such condition and the cause thereof. Unless otherwise directed by the Procuring Agency in writing, the Service Provider 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.

**22. Termination for Insolvency**

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

**23. Termination for Convenience**

23.1. The Procuring Agency, by written notice sent to the Service Provider, may terminate the Contract, in whole or in part, at any time in its sole discretion, decides to terminate this Contract for its own convenience.

The notice of termination shall specify that termination is for the Procuring Agency’s convenience, the extent to which performance of the Service Provider under the Contract is terminated, and the date upon which such termination becomes effective.

23.2. The Services that are complete within thirty (30) days after the Service Provider’s receipt of notice of termination shall be accepted by the Procuring Agency on the Contract terms and prices. For the remaining Services, the Procuring Agency may choose:

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

**24. Resolution of Disputes**

24.1. After signing the contract or issuance of Letter of Acceptance of bid, The Procuring Agency and the Service Provider shall make every effort to resolve amicably by direct informal negotiation any dispute arising between them under or in connection with the Contract.



24.2. If, after thirty (30) days from the commencement of such informal negotiations, the Procuring Agency and the Service Provider have been unable to resolve Contract dispute amicably, either party may require that the dispute be referred for resolution to the formal mechanisms specified in SCC. These mechanisms may include, but are not restricted to, conciliation mediated by a third party, adjudication in an agreed and/or arbitration as per Rule 68 of PPR-14 and in accordance with Arbitration Act-1940.

**25. Operative Language**

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

**26. Applicable Law**

26.1. The Contract shall be interpreted in accordance with the laws of Punjab (Pakistan) unless otherwise specified in SCC.

**27. Notices**

27.1. Any notice given by one party to the other pursuant to this Contract shall be sent to the other party in writing or by any electronic means for the time being in use and acceptable in ordinary course of business to the other party's address specified in SCC.

27.2. A notice shall be effective when delivered or on the effective date of notice, whichever is later.

**28. Taxes and Duties**

28.1. Service Provider / Contractor shall be entirely responsible for all applicable / prevailing taxes, duties, charges and other obligations, license fees, etc., for the time being in force, incurred until delivery of the contracted Services to the Procuring Agency including but not limited to Income Tax, General Sales Tax, Sales Tax on Services, Professional Tax, Property Tax and Motor Vehicle Taxes.

**29. Extension in Contract period {where applicable and if the procuring agency opts to include this condition, this should be included in original advertisement as well}**

29.1 Initially the contract shall be for Four (4) years. However, the same would be extendable by the competent authority, on the satisfactory performance by the contractor for a period of further two (02) years on annual basis on the same terms & conditions under the contract. Extension in the contact agreement shall be the discretion of the procuring agency and the contractor has no right to claim further extension as a matter of right in the contract.

**30. Indemnity**

30.1 Service Provider agrees to hold harmless and indemnify Procuring Agency from any and all liability, arising out of Service Provider's negligence, whether it be sole or in concert with others, in connection



with performance of the services described herein.” caused by Service Provider's negligent performance of services.”

30.2. Service Provider shall defend, indemnify, and hold harmless the Public, Municipality, Procuring Agency, its officers, officials, employees and volunteers from and against any and all claims, suits, actions, or liabilities for injury or death of any person, or for loss or damage to property, which arises out of Service Provider’s use of Premises, or from the conduct of Service Provider’s business, or from any activity, work or thing done, permitted, or suffered by Service Provider in or about the Premises, except only such injury or damage as shall have been occasioned by the sole negligence of the Service Provider.

30.3. Service Provider agrees to protect, defend, and indemnify the Procuring Agency, its subsidiaries, and its and their respective successors, assigns, directors, officers, employees, agents, and affiliates from and against all claims, demands, actions, suits, damages, liabilities, losses, settlements, judgments, costs, and expenses of or by a third party OR whether or not involving a claim by a third party, including but not limited to reasonable attorneys’ fees and costs (collectively, “Claims”), actually or allegedly, directly or indirectly, arising out of or related to (1) any breach of any representation or clause of Contract contained in this Agreement; (2) any breach or violation of any covenant or other obligation or duty of Service Provider under this Agreement or under applicable law; (3) any third party Claims which arise out of, relate to or result from any act or omission by Service Provider; and (4) other enumerated categories of claims and losses, in each case whether or not caused in whole or in part by the negligence of , or any other Indemnified Party, and whether or not the relevant Claim has merit.

### **31. Joint & Severe Liability**

31.1 The liabilities including but not limited to liquidation damages (Clause 19) indemnification of claim (clause 30), any recovery of any other loss(es) or damage(s) arising out of nonperformance of services or negligence of the Service Provider under this Agreement shall be the joint and several for all affiliates and associates of Service Provider.

31.2 In case of Sole Proprietorship, the sole proprietor and all his/her successors in interest, legal heirs, legal representatives, executors and permitted assigns shall be jointly and severally liable for the purposes of recovery of amounts as laid out in clause 31.1.

31.3 In case of Partnership Firm, all the partners and their successors in interest, legal heirs, legal representatives, executors and permitted assigns shall be jointly and severally liable for the purposes of recovery of amounts as laid out in clause 31.1.



31.4. In case of a limited liability company, The Chief Executive, all the executive and non-executive directors, all shareholders and their successors in interest, legal heirs, legal representatives, executors and permitted assigns shall be jointly and severally liable for the purposes of recovery of amounts as laid out in clause 31.1.

31.5. In case of Joint Venture, all persons in case of sole proprietor, all partners in case of Partnership Firm and The Chief Executive, all the executive and non-executive directors, all shareholders in case of a limited liability company forming Joint Venture in any combination thereof and his/her/their successors in interest, legal heirs, legal representatives, executors and permitted assigns shall be jointly and severally liable including for the purposes of recovery of amounts as laid out in clause 31.1.

## **32. Labor Laws**

32.1. Service Provider shall comply with all Labour laws for the time being in force including but not limited to SOCIAL SECURITY, EOBI & GLI etc. Service Provider shall also strictly ensure minimum wages to unskilled Labour as fixed by the Government from time to time. There shall be zero tolerance as regards the rights of Labour.



## **Section-VI. Special Conditions of Contract**



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

### 1. Definitions (GCC Clause 1)

GCC 1.1 (g)— The Procuring Agency is: Bahawalpur Waste Management Company (BWMC)

GCC 1.1 (h)— The Procuring Agency's country is: Pakistan

GCC 1.1 (i)—The Service Provider is: M/s-----

GCC 1.1 (j)—The Project Site is: Tehsil Liaqat Pur (Urban and Rural AREAS)

### 2. Performance Guarantee (GCC Clause 6)

GCC 6.1— **Performance Guarantee:** As per rule 56 of PPR-14, a performance guarantee at the rate of 01% of the Contract Price for Four Years shall be provided by the successful bidder who is awarded the contract. The Contractor shall provide Performance Guarantee for the three months beyond the project duration to the Client. The said guarantee shall be furnished or caused to be furnished by the Contractor within Fifteen (15) days after the receipt of the Notification of Award / Letter of Acceptance.

GCC 6.3— **Form of Performance Guarantee:** An unconditional bank guarantee should be issued by a scheduled bank located in the Procuring Agency's country, in the form provided in the Bidding document or another form acceptable to the Procuring Agency or issued by a foreign bank through a correspondent bank acceptable to the Procuring Agency located in Pakistan, and in the form provided in the bidding document or another form acceptable to the Procuring Agency. No other mode of performance guarantee will be accepted other than bank guarantee.

GCC 6.4— **Releasing the Performance Guarantee:** The performance guarantee shall be released by the Procuring Agency and returned to the Service Provider on a satisfactory performance certificate 30 days after the expiration / completion of project.

### 3. Commencement of Services (GCC Clause 8)

GCC 8.1 (a)— The effective date for commencement of services is 30 days after signing of contract. The machinery will be mobilized within these 30 days mentioned above. However, after the expiry of commencement of services period, no penalty will be imposed for another two months. For these 03 months' grace period, payment will be made on actual verified work done basis as per the KPIs / Payment Mechanism for initial three months provided in Section-III



GCC 8.1 (b)— The infrastructure development for TCPs & waste enclosures will be carried out within thirty (30) days from the signing of the contract without imposing any penalty. Similarly, the contractor will develop the controlled dumpsite within three (03) months from the date of signing of contract without imposing any penalty related to dump site. However, shift arrangements will be the responsibility of the contractor during this tenure of waste disposal.

The Parties agree that the Time is of the essence in this Contract and, whenever a date or time is set forth in this Contract, the same has been entered into and formed a part of the consideration of this Contract subject to clause 5 of SCC.

#### 4. Time Schedule of Services (GCC Clause 9)

GCC 9.1 (a)— **Contract Period:** The term of the contract shall be for the period of 04 years from the Commencement of Services. Contract is extendable at the same terms and conditions on annual basis, subject to the satisfactory performance of the bidder and with the mutual consent of the parties for another two years.

GCC 9.1 (b)— **Extension of Contract Period:** Contract is extendable for another two years on annual basis at the same terms and conditions, subject to the satisfactory performance of the bidder and with the mutual consent of the parties.

GCC 9.1 (c)— **The Client;**

##### (i) Provision of Site;

The Client shall provide the Site and right of access thereto on the Commencement Date.

##### (ii) Permits etc.

The Client shall, if requested by the Contractor, assist the Contractor in applying for permits, licenses or approvals which are required for the Services.

##### (iii) Resources.

The Client shall, handover the available resources (provided by the client) including Human Resources, Machinery, vehicles whichever is available to the successful service provider as per TORs and approved plan at the discretion of client. Resources (Vehicle / Machinery) which will be handed over to the contractor will be returned back in acceptable working condition as compared to the conditions at the time of handing over of those resources to the Client at the end of the Contract and / or termination what so ever.

##### (iv) Clients Instructions;

The Contractor shall comply with all instructions given, in accordance with the Contract, by the Client.





**(v) Approvals;**

No approval or consent or absence of comment by the Client shall affect the Contractor's obligations.

**GCC 9.1 (d)— Client's Representatives;**

**(i) Authorized Person;**

The Client may appoint a duly authorized person to act for it and on its behalf for the purposes of this Contract. Such authorized person shall be duly identified in the Contract Data or otherwise notified in writing to the Contractor as soon as he is so appointed. In either case, the Client may notify the Contractor, in writing, the precise scope of the authority of such authorized person at the time of his appointment.

**(ii) Client's Representative;**

The name and address of Client's Representative is given in the Contract Data. However, the Contractor shall be notified by the Client, the change of representative and the delegated duties and authority before the Commencement of Services.

**GCC 9.1 (e)— The Contractor;**

**5. Obligations of Contractor**

**(i)** The Contractor shall carry out the Services properly and in accordance with the Contract. The Contractor shall provide all supervision, labor, Materials, Plant and equipment which may be required under the Contract however waste collected will remain the property of the client.

**(ii)** The Contractor shall procure / purchase its own machinery at least 30% of total machinery as specified in Section-III during first year of the contract.

**(iii)** The movable & immovable assets / properties / machinery / vehicles etc. which will be acquired by the contractor from the Procuring Agency during this contract shall remain under the ownership of Procuring Agency and Contractor shall be bound to return back the same to the Procuring Agency in acceptable condition after the completion of contract and / or termination of contract what so ever.

**(iv)** Successful bidder shall submit non-identical resources for each tehsil regarding Bank Balance / Credit Limit, Specialized Machinery & Key Personnel as required.

**(v) CONTRACTOR'S OBLIGATIONS FOR FEE COLLECTION SERVICES**





## I. Fee Collection Responsibilities

The contractor providing sanitation services in the Tehsil shall also be responsible for collecting fees from households, commercial entities and other customers. The fees must be collected at the rates prescribed by the Government of Punjab (GOPb) and based on the customer database provided by the client. The contractor must ensure accurate and timely fee collection, maintaining transparency and accountability throughout the process.

## II. Administrative Charges

The contractor is entitled to administrative charges for the amount of fees collected, calculated based on incremental/slab ratios as outlined in Table 11.1. These charges are designed to compensate the contractor for the administrative efforts involved in fee collection. However, if the contractor fails to collect the desired target (25%, 40%, 60% for year 1, 2, 3 respectively), penalties will be imposed according to the incremental / slab ratios specified in Table 11.2. These penalties ensure that the contractor remains vigilant to achieve the desired collection targets.

## III. Fee Deposit and Payment Process

- **Deposit of Collected Fees:** The contractor must deposit the full amount (100%) of the fees collected into the bank account provided by the Bahawalpur Waste Management Company (BWMC). This deposit should be made promptly to ensure the smooth functioning of the sanitation services.
- **Invoice Submission:** The contractor shall submit a separate invoice for administrative charges on the fees collected on a monthly basis. This invoice should include detailed documentation of the fees collected and the corresponding administrative charges.

## IV. Commencement of Fee Collection

Fee collection from households, commercial entities and other customers shall commence on a date specified by the client, but no later than four months after the execution of the contract. During this initial period, the contractor must ensure zero billing to consumers, allowing time to set up the necessary systems and processes for efficient fee collection.



**Note:** However, it is intimated that after the expiry of four months' period, the fee collection commencement period will be started and contractor will submit the checklist issued by BWMC (as per format provided in Section-III) every month to BWMC. Penalty on fee collection will start after six months' period. In case the contractor fails to meet the fee collection target specified in the Table 11.1 of the bidding document, then the contractor will be evaluated as per checklist and penalty will be imposed accordingly.

## V. Digital Billing System

BWMC will establish a digital billing system to assist the contractor in fee collection. This system will provide tools for managing customer data, generating bills and tracking payments. The digital billing system aims to enhance the efficiency and accuracy of the fee collection process, making it easier for the contractor to manage and report on their activities.

## VI. Enforcement of Bill Recovery

BWMC and the District Administration will enforce and facilitate the bill recovery mechanism using the powers granted to them by the Local Government Act and applicable rules. This enforcement ensures that all customers fulfil their payment obligations, supporting the sustainability of the sanitation services.

## VII. Fee Charges Compliance

The contractor is obligated to collect and submit fee charges according to the rates notified by the Government of Punjab (GOPb). These rates are subject to periodic review and adjustment by the government. The contractor must stay informed of any changes to the fee rates and ensure compliance with the latest notifications. Additionally, the contractor should provide customers with clear and accurate information regarding the fees being charged.

**Table-11.1: Admin. / Collection Charges Mechanism for Fee Collection**

Fee Collection Target (of assessed value)	Fee Collected	Contractor Share / Admin. Charges
25% (1 <sup>st</sup> Year)	25%	10% of the Fee Collected
	25% to 50%	10% + 15% of the additional collection
	50% to 80%	10% +



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		15% of the additional 25% + 20% of the remaining
	80% to 100%	10% + 15% of the additional 25% + 20% of the additional 30% collection + 25% of the remaining
<b>40% (2<sup>nd</sup> Year)</b>	40%	10% of the Fee Collected
	40% to 60%	10% + 15% of the additional collection
	60% to 80%	10% + 15% of the additional 20% + 20% of the remaining
	80% to 100%	10% + 15% of the additional 20% + 20% of the additional 20% + 25% of the remaining
<b>60% (3<sup>rd</sup> Year)</b>	60%	10% of the Fee Collected
	60% to 80%	10% + 15% of the additional collection
	80% to 100%	10% + 15% of the additional 20% + 20% of the remaining

**Table-11.2: Penalty Mechanism for Below Fee Collection Target**

Fee Collection Target (of assessed value)	Fee Collected	Contractor Penalty
<b>25% (1<sup>st</sup> Year)</b>	>20% to <25%	No Administrative / Collection Charges to the Contractor, No penalty
	>15% to ≤20%	No Administrative / Collection Charges & 1% deduction from the monthly Invoice of the Contractor against SWM Services
	>10% to ≤15%	No Administrative / Collection Charges 2% deduction from the monthly Invoice of the Contractor against SWM Services
	>5% to ≤10%	No Administrative / Collection Charges 5% deduction from the monthly Invoice of the Contractor against SWM Services
	Less than 5%	Termination proceedings under the contract
<b>40% (2<sup>nd</sup> Year)</b>	>25% to <40%	No Administrative / Collection Charges to the Contractor, No penalty
	>15% to ≤25%	No Administrative / Collection Charges 1% deduction from the monthly Invoice of the Contractor against SWM Services
	>10% to ≤15%	No Administrative / Collection Charges 2% deduction from the monthly Invoice of the Contractor against SWM Services
	>5% to ≤10%	No Administrative Charges 5% deduction from the monthly Invoice of the Contractor against SWM Services



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	Less than 5%	Termination proceedings under the contract
<b>60% (3<sup>rd</sup> Year)</b>	>30 % to <60%	No Administrative Charges to the Contractor, No penalty
	>20% to ≤30%	No Administrative Charges 1% deduction from the monthly Invoice of the Contractor against SWM Services
	>10% to ≤20%	No Administrative Charges 2% deduction from the monthly Invoice of the Contractor against SWM Services
	>5% to ≤10%	No Administrative Charges 5% deduction from the monthly Invoice of the Contractor against SWM Services
	Less than 5%	Termination proceedings under the contract
<b>To be decided (4<sup>th</sup> Year)</b>		

**(i) Contractor’s Representative**

The Contractor shall appoint a representative at site on full time basis to supervise the execution of service and to receive instructions on behalf of the Contractor. The Contractor shall inform the Client in writing regarding the appointment of such representative. Such authorized representative may be substituted / replaced by the Contractor at any time during the Contract Period but only after informing the Client as aforesaid.

**GCC 9.1 (f)— Contractor’s Plans and Schedules**

The Contractor shall carry out plans and schedules to the extent specified in the Technical Specifications / TORs. The Contractor shall promptly submit to the Client all plans and schedules prepared by him. Within Seven (07) days of receipt, the Client shall notify any comments or, if the plans and schedules submitted are not in accordance with the Contract, shall reject it stating the reasons.

The Contractor shall carry out all elements of the Services planned and schedules submitted/ approved by client within Seven (07) days after the plan and schedules have been submitted/ approved by+ the Client. Plans and schedules that have rejected shall be promptly amended and resubmitted for approval of client. The Contractor shall resubmit all plans and schedules commented on taking these comments into account as per the Contract.



## 6. Payment (GCC Clause 10)

GCC 10.1 (A)— **Terms of Payment:** The contract price including the increases / decreases that may occur due to the additional work or price escalation / de-escalation shall be paid by the Client under the following terms and conditions;

- (i) All payments, under this contract shall be made from the bank account of the Client to the Contractor account only. The contractor shall submit the details of bank account in the legal name of the Contractor to the Client for payment.
- (ii) In case of Joint Venture / Consortium payment shall be made to the Joint Venture Account.
- (iii) Payments other than the contractor shall not be allowed.
- a) **Quantities:** The services set out in the TORs are the estimated quantities for the services and they are not to be taken as the actual quantities of the Services to be executed by the Contractor in fulfillment of his obligations under the Contract.
- b) **Services to be measured & method:** The Client shall measure the services based on digital monitoring system / KPIs and Village / Ward Committees or any method defined by the Client. Till the time digital monitoring system is not deployed, services will be measured as per KPIs manually through hierarchy defined by the Client.
- c) **Monthly Invoice;**

The Contractor shall be (is) entitled to be paid the value of the Services executed at monthly intervals, The Contractor shall submit, each month to the Client, an invoice showing the amounts to which he considers himself entitled for payment.

### (iv)-a Payment Mechanism of Operational Cost:

- i) The net payment based on performance evaluation of doorstep collection, transportation of residential, commercial and bulk waste, Processing and dumpsite etc. will be worked out as per payment mechanism defined in TORs/Scope of Work (KPIs based payment).
- ii) Payments would be made in PKR and shall be released based on performance / KPIs as per TORs and approved work plan subject to any escalation / de-escalation as per GCC 13.
- iii) Daily Work Performance Evaluation will be based on digital performance evaluation dashboard (till incorporation of the digital performance evaluation dashboard, manual verification of the work will be performed by the designated officers of client). The performance evaluation dashboard will be based on payment mechanism defined in TORs/Scope of Work (KPIs based payment).
- iv) In case the submitted invoice is not verified /cleared within thirty days after submission of invoice, then only the verified portion of the invoice will be paid. However, unverified amount will be made after verification/resolution of dispute/arbitration.



**(iv)-b Payment Mechanism of Fee Collection:**

- The full amount of the collected fee (100%) must be deposited into the bank account provided by BWMC.
- Payments to the contractor will be made based on the monthly invoices submitted by the contractor separately.
- The contractor will submit separate invoices for operational cost and administration charges on monthly basis.

**GCC 10.1 (B)— Mobilization Advance:**

- Mobilization advance @10% of first year contract price is allowed.
- An equivalent amount of Bank guarantee issued by any scheduled bank of Pakistan acceptable to the BWMC against Mobilization advance shall be submitted.
- Mobilization advance will be settled in invoice in twelve equal monthly installments after six months of commencement of services.

**GCC 10.1 (C)— Payment upon Termination:**

After termination, the Contractor shall be entitled to payment of the unpaid balance of the value of the Services executed and of the Materials and Plant reasonably delivered to the Site, adjusted with approval of Client:

Any sums to which the Contractor is entitled under the contract.

Any sums to which the Client is entitled.

**Note:** In case of Joint Venture, payment will be made on the name of the Joint Venture Bank Account only.

**7. Prices (GCC Clause 11)**

GCC 11.1— Prices shall be fixed for contract period inclusive of all Applicable Taxes. However, price adjustment will be made at the time of invoice processing as specified in clause 8 of SCC.

**8. Contract Prices (GCC Clause 12)**

GCC 12.1 (a)—This Agreement is a lump sum price contract and made for the price \_\_\_\_\_ (in figures) \_\_\_\_\_ (in words) \_\_\_\_\_.

Name of Tehsil	Total Bid Price for Four Years (PKR)
Cost of Services for Tehsil Liaqat Pur	
Total Bid Price for <b>Four Years</b> (In Words);	

GCC 12.1 (b)—Regarding the performance of the work subject to the tender, any and all expenses



related with fuel, insurance, managerial staff, spare parts, maintenance, repair, depreciation, transportation, vehicles, containers and equipment as well as costs of transportation, cleaning supplies in connection with the performance of work under the tender, are included in the bid price. The management cost of the employees to be employed under this contract/in work of tender and employees provided by the Client are included in the bid price.

GCC 12.1 (c)—Pursuant to the laws of Pakistan, inclusive of all applicable / prevailing taxes, duties, charges and other obligations required to be paid by the Contractor are included in the bid price including withholding income tax, sales tax and custom duties etc. Any change in amount of taxes by the government shall be adjustable, accordingly.

**9. Price Variation (Increase / Decrease) / (Escalation / De-Escalation) (GCC Clause 13)**

**GCC-13.1 (a): Increase and Decrease of Cost**

Escalation Factor Working		
Particulars	%age	Adjustment Factors
Fuel Cost	34.46%	c
HR Cost	33.47%	b
Other Operational Cost	32.06%	a
<b>Total Net Operational Cost</b>	<b>100.00%</b>	

Fuel Rate as on August 14, 2024 as per OGRA @ 267.30/litre  
Minimum Wage of PKR 37,000/month as on July 04,2024

*P<sub>n</sub> = P Price Adjustment Factor*

<i>a</i>	32.06	Constant
<i>b</i>	33.47	Labor %age in total Operational Cost
<i>L<sub>n</sub></i>	37,000	Current Labor Rate
<i>L<sub>o</sub></i>	37,000	Contract Labor Rate
<i>c</i>	34.46	Fuel %age in total Operational Cost
<i>F<sub>n</sub></i>	267.30	Current Fuel Rate
<i>F<sub>o</sub></i>	267.30	Contract Date Fuel Rate

**Escalation Factor for the month**

The amount payable to the Contractor, shall be adjusted in respect of the rise and fall in the cost of labor and fuel by applying to such amount the formula prescribed below;

$P_n = a + b (L_n/L_o) + c (F_n/F_o)$





Where,

“P<sub>n</sub>” is the Price Adjustment factor for the work carried out in the period “n”.

“a” is the constant or the Non-Adjustable Portion of the Price Adjustment Factor.

“b”, “c” are coefficients or weightages of the order of 0.xx (i.e., fractions have two significant digits) for each specified element of adjustment in the Contract. The sum of a, b, c, etc., shall be one.

“L<sub>o</sub>”, “F<sub>o</sub>” are the Base Date Indices for the Labor and Fuel which are adjustable elements.

“L<sub>n</sub>”, “F<sub>n</sub>” are the Current Date Indices of the Labor and Fuel which are also adjustable elements for the period “n” i.e. Invoice Period. If “P” is the amount payable (prior to adjustment) at the rates entered in the Price Schedule of the work carried out in period “n” then, Adjusted amount payable to the Contractor for the work carried out in the period “n” shall be equal to P<sub>n</sub>\*P.

### Coefficients

a = 0.3206

b = 0.3347 Labor

c = 0.3446 Fuel

### **GCC-13.1 (b): Base and Current Dates Prices & Source of Prices:**

As provided in Section-III: Technical Specifications / TORs;

- Fuel Rate as on August 14, 2024 as per OGRA @ 267.30/litre
- Minimum Wage of PKR 37,000/month as on July 04,2024

### **10. Change Orders & Variations (GCC Clause 14)**

**GCC-14.1 (a) ADDITIONAL WORK THROUGH CHANGE ORDER:** The Client may ask the Contractor to execute the Services that are not included in the scope of the Contract as per its need. In such a case the values of the Services to be executed shall be offered to the Client by the Contractor. In case the offered values are accepted to the Client, the additional Services shall be executed by the Contractor. In case of otherwise, the Client may assign the task to any other contractor. Approval of any additional work will be sought from the Board of Directors-BWMC.

**GCC-14.2:** Equitable adjustment means proportionate change against all the input values based for cost estimation.

**GCC-14.3 (a):** Right to vary the Scope of Services reference to GCC 14.1 (a):

The Client may issue mutually agreed Variation Order(s) in writing, where for any reason it has not been possible for the Client to issue such Variation Order(s), the Contractor may confirm any orders given by the Client in writing and if the same are confirmed by the Client, within seven (07) days of the receipt of such confirmation the same shall be deemed to be a mutually agreed Variation Orders for the purpose of this Contract.





GCC-14.3 (b): Valuation of Variations:

Variations shall be valued as follows:

- a) At a lump sum price agreed between the Parties, or
- b) Where appropriate, at rates in the contract, or
- c) In the absence of appropriate rates, the rates in the contract shall be used as the basis for valuation, or failing which
- d) At appropriate new rates, as may be agreed

GCC-14.3 (c): Early Warnings:

The Contractor shall inform / notify the Client in writing as soon as he is aware of any circumstances which may delay, stop or disrupt the Services, or which may give rise to a claim for additional payment.

To the extent of the Contractor's failure to notify, which results to the client being unable to keep all relevant records or not taking steps to minimize any delay, stop, disruption, or Cost, or the value of any Variation, the Contractor's entitlement to extension of the Contract Period or additional payment shall be reduced/rejected.

## **11. Contract Amendments (GCC Clause 15)**

GCC-15: No amendments or modification of this Agreement shall be valid unless evidence in writing and signed by duly authorized representative of both parties. Any amendments to this contract or supplemental Contract may be made by means of mutual understanding of both the parties.

## **12. Sub-Contracting (GCC Clause 17)**

GCC-17.2: Subject to Clause 16 of GCC, Contractor may execute subcontracting in a year for services with prior written approval of the Procuring Agency. The Bidder will at all times and for all purposes remain liable in connection with any matter which may arise as a result of subcontracting, including resolution of any disputes; performance, quality, delivery, timeliness etc. of the sub-contracted Bidder / contractor's Obligations etc.

## **13. Liquidated Damages (GCC Clause 19)**

GCC 19.1— Liquidated damages applicable Rate: 0.07% of the Contract Price of the delayed services per day as per services described in Section-III. But not exceeding Ten (10%) of Contract Price stated in the Notice of Contract Award / Letter of Acceptance by the Procuring Agency.

## **14. Termination for Default (GCC Clause 20)**

### **(A) Default by Contractor**

If the Contractor abandons to provide the Services, refuses or fails to comply with a valid



instruction of the Client or fails to provide expeditiously and without delay, or is, despite a written complaint, in breach of the Contract, the Client may give notice within three days referring to this Sub-Clause and stating the default.

If the Contractor has not taken due practicable steps to remedy the default within seven (07) days after the receipt of the Client's notice, the Client may by a second notice given within a further seven (07) days to terminate the Contract. The Contractor shall then demobilize from the Site leaving behind any Contractor's Equipment which the Client instructs, in the second notice, to be used for the completion of Services at the risk & cost of the Contractor till the alternative arrangement by the Client.

#### **(B) Default by Client**

If the client fails to pay in accordance with the Contractor, or is, despite a written complaint, the Contractor may give notice referring to this Sub-Clause and stating the default. If the default is not remedied within fourteen (14) days after the Client's receipt of this notice, the Contractor will refer the case to the responsible senior management of the Client for finalization and then take further course of action.

If the default is not remedied within twenty-eight (28) days after the Client's receipt of Contractor's notice, the Contractor may by a second notice given within a further twenty-one (21) days, terminate the Contract. The Contractor shall then demobilize from the Site.

#### **15. Termination for Insolvency (GCC Clause 22)**

If a Party is declared insolvent under any applicable law, the other Party may by notice terminate the Contract immediately. The Contractor shall then demobilize from the Site leaving behind, in the case of Contractor's solvency; any Contractor's Equipment which the Client instructs in the notice is to be used for the completion of Services at the risk & cost of the Contractor till the alternative arrangement by the Client.

#### **16. Resolution of Disputes (GCC Clause 24)**

GCC 24.2—the dispute resolution mechanism to be applied pursuant to GCC Clause 24.1 shall be as follows:

If any dispute or difference of any kind (a "Dispute") arises between Client and Contractor in connection with, or arising out of, this Agreement, the Client's Representative and Contractor's Representative within seven (7) days shall attempt to settle such dispute in first instance through discussion. The designated representatives of Client and Contractor shall promptly confer and exert their best efforts in a good faith to reach a reasonable and equitable resolution of such dispute.

If the representatives are unable to resolve the dispute within seven calendar days, the dispute shall refer within two calendar days of lapse of seven calendar day period to the **Chief Executive Officer of BWMC** for resolution within Seven Calendar Day period.



If the Chief Executive officer of BWMC is unable to resolve the dispute within seven calendar days, the dispute shall refer within two calendar days of lapse of seven calendar day period to the Dispute Resolution Committee headed by **Deputy Commissioner** for resolution within Fifteen Calendar Day period.

If the Dispute Resolution Committee headed by Deputy Commissioner is unable to resolve the dispute within fifteen calendar days, the dispute shall refer within two calendar days of lapse of fifteen calendar day period to **Divisional Commissioner** for arbitration within thirty days in accordance with the Arbitration Act 1940. Whereas, place of arbitration will be Bahawalpur.

### **GCC-24.3 Arbitration**

A dispute which has been the subject of a notice of dissatisfaction shall be finally settled as per provisions of Arbitration Act 1940 (Act No. X of 1940) under the chair of **Commissioner Bahawalpur** and rules made there under and any statutory modifications thereto. Any hearing shall be held at Bahawalpur, Pakistan and in the language referred to in the Clause 3. The Decision of the Divisional Commissioner shall be final and binding upon Client and Contractor.

### **GCC-24.4 Continued Performance**

During the pendency of any arbitration, Contractor and Client shall continue to perform their obligations under this agreement.

### **17. Operative Language (GCC Clause 25)**

GCC 25.1— The operative Language shall be: English:

### **18. Applicable Law (GCC Clause 26)**

GCC 26.1-The Contract shall be interpreted in accordance with the laws applicable in the jurisdiction of the province of Punjab (Pakistan):

### **19. Notices (GCC Clause 27)**

GCC 27.1—Procuring Agency's address for notice purposes;

**Manager Procurement**  
Bahawalpur Waste Management Company  
1-2/D, al-Aqsa Mall, Opp. SNGPL office, Model Town "A" Bahawalpur  
Phone: 062-9255202



## 20. – PANELTIES & TERMINATION OF THE AGREEMENT

20.1 The detailed table of Key Performance Indicators and their related penalties are provided in a table given in Section III, Technical Specification.

20.2 Procedure for imposing of Penalty;

20.2.1 If the Client finds anything contrary to the description and scope of work specified in the technical document, which are liable to be penalized as per the defined mechanism in the Section-III. Technical Specifications, Scope of Services, the contractor will be conveyed through digital monitoring system or otherwise and compliance be ensured by the contractor as per plan. Non-compliance of TORs/ Scope of Work will be reflected in penalties and will also lead deduction of payments as per payment mechanism defined in TORs/Scope of work.

20.2.2 The digital system of penalties and KPIs adding to performance evaluation shall be dashboard based connected with vehicle tracking system, digital attendance system, complaint redress / redressal system, penalty management system, dump site and TCP management system etc. The systems may be modified / amended but all the values shall process digitally with availability of all the above to the contractor for measuring its own performance as well.

20.2.3 If during the term of this Agreement any governmental or regulatory authority or agency assesses any fines or penalties against Contractor or Client arising from Contractor's failure to operate and maintain the Project in accordance with applicable Laws without Client's prior written consent, such fines and penalties shall be the sole responsibility of Contractor and shall not be deemed a Reimbursable cost.

20.2.4 Performance evaluation mechanism of the services provided shall be placed in subject to the contract by the Client and in case the contractor fails to perform as per required standard, penalty shall be applied for each performance criteria as specified in penalty management system in Section-III.

20.2.5 KPI annexed with technical specifications shall define the service level required by the Client failing which deduction will be made by the client. The system will evaluate daily working of the contractor and will issue compliance points leading to calculate invoice amount. Since imposition of penalty is not objective of the Client but to ensure optimal level of required services, imposition of penalty by the Client shall remain in passive mode with a considerate stream of mind as far as possible. Unless the completion phase transaction to final the technical specifications is completed.

20.2.6 The Client may not apply penalty to Contractor as far as possible with good intention by showing tolerance until the completion of the transition phase define in the technical specifications. However, in case any conflict arises between the parties regarding imposition of penalties as per the defined mechanism in the Section-III i.e. Technical Specifications/TORs (Scope of Services), any party can refer the matter before a local committee which will be duly notified by the Client. The local Committee shall consist of a total of three members notified by the Client, with mutual consent of the Contractor. The decision of said Committee shall be final



and binding upon both the parties.

## **21. RISKS AND RESPONSIBILITIES**

### **21.1 Contractor's Care of the Services**

The Contractor shall take full responsibility for the care of the Services from the Commencement Date until the completion of contract. If any loss or damage happens to the Client or to any public or private party during the above period due to any act, negligence or Omission of the Contract, the Contractor shall rectify such loss or damage.

Unless the loss or damage happens as a result of any of the Client's Risks, the Contractor shall indemnify the Client, or his agents against all claims of loss, damage and expense arising out of any act or omission of the Contractor during the Services.

### **21.2 Time Extension**

Situation for which time extension shall be provided by the Client are as follows:

- a) In cases where the Client fails to fulfill its obligations regarding performance of the Contract and Technical specifications, due to any reason (including site delivery, approval of projects & works programs), causing delay to the work of Client whereby the responsibility does not fall on the Contractor. However, despite efforts of the Contractor, it causes delay in performing the required tasks. In such cases, the delay time shall be calculated rationally considering the reasons preventing the realization and nature of work.
- b) In case the scope of work is increased due to any additional work, time period of the business may be extended in proportion to the increased work for part or all of the business.

### **21.3 The Client's Risks**

The Client's Risks are;

- a) War, hostilities (whether war be declared or not), invasion, act of foreign enemies, within the Country.
- b) Rebellion, terrorism, revolution, insurrection, or civil war, within the Country;
- c) Riot, commotion or disorder by persons other than the Contractor's personnel and other employees including the personnel and employees of Sub-Contractors, affecting the Site and/or the Services;
- d) Ionizing radiations, or contamination by radio-activity from any nuclear fuel, or from any nuclear waste from the combustion of nuclear fuel, radio-active toxic explosive, or other hazardous properties of any explosive nuclear assembly or nuclear component of such an assembly, except to the extent to which the Contractor/sub-Contractors may be responsible for the use of any radio-active material;
- e) Pressure wave caused by aircraft or other aerial devices travelling at sonic or supersonic speeds;
- f) Use or occupation by the Client of any part of the Services, except as may be specified in the Contract;



- g) Late handing over the sites, anomalies in maps, late delivery of maps and maps of any part of the Services by the Client's personnel or by other from whom the client is responsible;
- h) A suspension under Sub-Clause 8.4.3 unless it is attributable to the Contractor's failure; and
- i) Physical obstructions or physical conditions other than climatic conditions encountered on the Site during the performance of the Services for which the Contractor immediately notified the Client and accepted by the Client.

## **22. SAFEGUARDING AND INSURANCE OF THE WORK AND WORK PLACES**

### **22.1 Arrangements**

The Contractor shall, prior to commencing the Services, indemnify, defend and hold harmless the Client, and its respective officers, directors, employees, and representatives from and against any and all claims, caused due to any act or omission of the Contractor, (in whatever form and to the fullest extent permitted by law) except for items (a) to (e) and (i) of the Client's Risks under Sub-Clause 8.5.3. The Contractor shall provide the Client with evidence that any required policy is in force and that premiums have been paid. Any Costs or expenses incurred by Contractor pursuant to its indemnity obligations under this Clause shall be the sole responsibility of the Contractor. If the Contractor does not buy any insurance to cover the said indemnity and any such instance occurs, the contractor shall bear directly the expenses to fulfill such indemnity.

### **22.2 Default**

If the contractor fails to effect or keep in force any of the insurance referred to in the previous Sub-Clause, or fails to provide satisfactory evidence, policies or receipts, the Client may, Without prejudice to any other right or remedy, effect insurance for the cover relevant to such a default and pay the premiums due and cover the same plus 15% due to the Contractor.

## **23. PROJECT CONDITION AT END OF TERM**

### **23.1 Completion**

The Contractor shall notify the Client when he considers the Services are completed.

### **23.2 Site Condition at the end of Term**

Upon expiration and termination of this Agreement, Contractor shall remove its personnel from the project. Contractor shall leave the project / site in a good condition except normal wear and tear and casualty. The Contractor shall be paid all unpaid Costs. The properties that belong to the Client like all workshops, transfer stations, parking areas buildings and offices, vehicles and resources handed over by Client without any cost implication shall be returned by the contractor in an acceptable condition to the Client.





## 24. CODE OF CONDUCT & RULES OF ETHICS

**24.1** The contactors that attempt to get secret information, to conclude illegal agreements with the competitors or to affect the Client during the phase of tender inspection, evaluation, and comparison shall result in their candidacy or offers being cancelled and this situation shall be penalized administratively.

**24.2** The Contractor shall announce that it does not get affected from any potential conflict of interests by participating in the tender and that it does not have any equivalent relationship with the other tender participants or parties participating in the project. In case such a situation evolves during the execution, the Contractor shall inform the Client immediately.

**24.3** The Contractor shall always act impartially and trust worthily in accordance with the rules of business ethics. It should avoid from making public announcements regarding the projects and services without prior authorization of Client. It shall not oblige the Client without prior authorization in anyway.

**24.4** The Contractor and its staff shall be respectful towards basic human rights during the Contract and shall promise not to act against political, cultural, and religious customs of the country and avoid all kinds of discrimination.

**24.5** The contractor shall not accept payments other than the ones stated in the contract. The Contractor and its staff shall not act in an inconsistent way or contrary to their obligations and shall not accept any benefits against the Client. The Contractor shall not accept any types of presents, entertainment or similar direct or indirect contributions that may affect their decisions in executing the job.

**24.6** The Contractor and its staff are obligated to keep the confidentiality in a professional way during the Contract period and period afterwards. All of the reports and documents prepared or received by the Contractor are confidential. Such documents and information shall never be shared with third party without permission of the Client.

**24.7** Bidder / contractor assets belonging to the client within or outside the scope of work shall not be sold or be utilized by the third parties without appropriate documentation and valid permissions in accordance with Contract. Bidder / contractor assets shall not be used for personal interests or the bidder / contractor's disadvantage.

**24.8** Usage of all reports and documents received and submitted by the parties to the Contract during the contract period shall be subject to an agreement.

**24.9** The contractor is responsible to ensure behaviors against the public and code of conduct of workers employed by it.

**24.10** Contractor shall be constructive, not destructive, with public in performance of the work of tender subject, and not cause any public complaint by endearing, not disgusting. It shall never forget that it is in service on behalf of local Client which aims at serving the public.



**24.11** It is strictly forbidden for the contractor to attempt to offer, to give or to promise bribe to the Government Officers and / or Client’s employees or representatives in order to execute the job.

**24.12** The Contractor shall avoid any such relationship that may put it under any kind of commercial, financial or any other type of pressures that may affect its and its personnel’s technical decision’s and endanger its ability to decide independently. In such a situation, the Administrative warns the contractor and requires the dismissal of the relevant personnel.

**24.13** In case, any type of fraud is identified at any phase of decision process, the Client reserves its rights to suspend or to cancel the tender. Bribes, presents, tips, commission offered as an incentive or reward to any person shall be considered as “fraud” under this provision.

## **25. LABOR & LABOR COSTS**

**25.1** The number of personnel required for the scope of work to be commenced within the boundaries of Tehsil is listed in table provided in the Section-III i.e. Technical Specifications / TORs. The cost of labor provided by the client shall not be included to the prices to be determined for Waste Collection, Mechanical Sweeping, Mechanical Cleaning, Mechanical Sweeping and Urban & Rural areas Cleaning Services. However, cost of the workers hired by the contractor is included in the contract price. Details of the HR strength is provided in the TORs / approved plan.

**25.2** The Client shall handover number of existing workers as specified in below table as per Section-III. The management control of these employees shall be with Contractor. Wages and other benefits as per labor laws of these workers shall be paid by the Client.

**Table 28:**

<b>Sanitary Supervisors</b>	<b>Sanitary Workers</b>	<b>Mashki</b>	<b>Helper</b>	<b>Driver</b>
2	133	0	0	1

**25.3** The Contractor shall employ the additional workers as specified in below table as per Section-III other than those handed over by the Client for the work subject to the tender, the remuneration and personal rights of these employees shall be paid by the Contractor as cost of these workers is included in estimates. These workers / employees hired by the Contractor will not be the employees of BWMC and there will be no right of regularization or permanency.

**Table 29:**

<b>Sr. #</b>	<b>Description</b>	<b>Additional Required</b>
1	Sanitary Workers	264
2	Sanitary Supervisors	14
4	Drivers	217
3	Helpers	39
	<b>Total</b>	<b>535</b>





**25.4** Contractor shall pay the following to each of his employees:

- Net Salary (Salary multiplier \*Minimum wages notified by the Government of Punjab from time to time).
- Social Security
- EOBI (Employees Old age Benefits Institution)
- Group Life Insurance as per labor laws.
- Any other benefit as per labor laws.

**25.5** The Contractor shall employ the managerial staff as specified below, within its organization. The personal rights of these personnel shall pertain to the Contractor. The Contractor shall pay salaries and all expenses related with the personal rights of these personnel and shall not demand any additional payment from the Client.

**Table 30:**

<b>Sr. No</b>	<b>Personnel</b>	<b>Nos.</b>
1	Project Manager having minimum sixteen years education in the field of Business Administration or related discipline with 3-5 years' relevant experience.	01
2	Engineer having minimum sixteen years education in the field of Environmental / Mechanical / Civil Engineering or related discipline with 3-5 years' relevant experience.	01

**25.6** The lists showing the monthly payrolls and the social declarations of the Contractor's workers, under clause 26.3, shall be submitted, at the beginning of every month by the Contractor to the Client.

**25.7** Contractor may reject some of the workers of the Client that it will not anticipate to employ or not satisfied of their performance. Furthermore, in case that staff made available to contractor carried out voluntarily some actions contrary to the laws such as strikes, lockouts, slowdown strikes etc. Contractor shall have rights such as to penalize the staff and terminate employment contract.

**25.8** The Contractor may return the personnel transferred form the Client in case he is found not working as per the required performance and he is not obeying the code of conduct and rules of ethics and morality. Such return of personnel is only allowed with the prior approval of client based on strong documentary evidence.

**25.9** Health and physical structure of staff to be employed by Contractor shall be as per qualification which will enable them to execute services of tender.

**25.10** The Contractor shall have the right to change location, task etc. in order to use available staff in the efficient way.

**25.11** The Contractor shall protect rights and liberties of the staff employed under its responsibility and shall never display false and unfair behavior.



**25.12** The contractor shall comply with all employees' weekly and annual holidays. The Client may request for overtime work in case of the natural disasters such as flood, fire etc. if the work schedule sets deadlines.

**25.13** The Contractor shall provide to its staff a regular medical examination on bi-annual basis. In this context, Contractor shall either employ an occupational doctor or ensure staff's medical examinations to be carried out regularly by making an agreement with medical institution.

**25.14** Every worker shall be given uniforms and pair of shoes every year (as defined in the Section-III. Technical Specifications, Scope of Services).

## **26. VEHICLES**

**26.1** The figures stated in the related section of Technical Specifications / TORs indicates the minimum number of vehicles, containers, equipment and materials. Contractor will maintain and keep functional the specified number of vehicles, machinery, containers, equipment and material and shall also maintain backup vehicle and equipment.

**26.2** The number of vehicles, machinery, containers, equipment and material stated in the related section are the estimated figures. At the implementation stage, if Contractor and Client make changes in the Implementation, they also make changes in the number of necessary vehicles and equipment upon joint agreement with prior approval of Client's Board of Directors.

**26.3** The vehicles provided by the Contractor shall be in good working condition and will be inspected by the Client before acceptance. Furthermore, the Contractor is bound to ensure vehicle branding, good aesthetics and provision of fitness certificates.

**26.4** Rental cost of any property or asset, movable or immovable, including the vehicles / machinery / equipment to be handed over to the Contractor is not included in cost estimates. However, fuel, HR and other allied cost associated to that asset / property is included in cost estimates. Contractor shall return these properties & assets to the Client in acceptable working condition.

**Table 31:**

<b>Name of Machinery &amp; Equipment</b>	<b>Existing Quantity</b>
Front Loader Tractor	1
Front Loader Blade	1
Loader Rickshaw	9
Tractor Trolley	5
<b>Total Machinery</b>	<b>16</b>



## **SECTION-VII. SCHEDULE OF REQUIREMENT / WORK PLAN / DEPUTATION PLAN**

### **Work Plan / Deputation Plan**

To be submitted by the Contractor as per the TORs / Scope of Services. Client will approve the plan as per the mechanism defined in BDS, SCC and as per Section-III.

### **Commencement of Services**

(a)— The effective date for commencement of services is 30 days after signing of contract. The machinery will be mobilized within these 30 days mentioned above.

(b)— The infrastructure development for TCPs & waste enclosures will be carried out within thirty (30) days from the signing of the contract without imposing any penalty. Similarly, the contractor will develop the controlled dumpsite within three (03) months from the date of signing of contract without imposing any penalty related to landfill site. However, shift arrangements will be the responsibility of the contractor during this tenure of waste disposal. In case of non-availability of government land for establishment of controlled dumpsite, rent of land will be paid to the contractor with prior approval of the Client.

(It is informed that the bidder shall be responsible for arrangement of land & establishment of transfer stations, collection points, workshop, parking area and allied facilities etc. It is further informed that the state land for establishment of controlled dumpsite shall be provided by concerned MCs.)



## Outsourcing of SWM Services TEH Liaqat Pur



### **Section-VIII: Sample Forms**



## Bid Form

*[To be signed & stamped by the Bidder and reproduced on the letter head as well as on copy of this form. To be attached with the Financial Bid]*

To:

The Chief Executive Officer  
Bahawalpur Waste Management Company  
1-2/D, al-Aqsa Mall, Opp. SNGPL office, Model Town “A” Bahawalpur  
Phone: 062-9255202

Gentlemen:

Having examined the Bidding Document including No \_\_\_\_\_, the receipt of which is hereby duly acknowledged, for the above Contract, we, the undersigned, offer to deliver the services as specified in Section III – of Scope of Services / Technical Specifications / TORs and in conformity with the said bidding document for the Total Bid Price of required services.

Name of Tehsil of Bahawalpur District	Total Bid Price for Four Years (PKR)
Cost of Services for Tehsil Liaqat Pur	
Total Bid Price for <b>Four Years</b> (In Words);	

**[Amounts must coincide with the ones indicated under Total Bid Price in PRICE SCHEDULE 8.9 which shall be inclusive of all applicable / prevailing taxes, duties and other obligations as per TORs/Scope of Services].**

Or such other sums as may be ascertained in accordance with the Price Schedule attached hereto and made part of this Bid.

We undertake, if our above stated total bid price for **Four Years** for all is accepted, to complete the Work in accordance with the Contract Execution Schedule provided in the Schedule A Special Stipulations to Bid.

If our Total Bid for all services is accepted, we will provide the performance security in the sum equivalent to **01 percent** of the **Four Years** Contract Price as elaborated in BDS & SCC, for the due performance of the Contract.

We agree to abide by this Bid for the period of **One Hundred Eighty (180)** days from the date fixed for bid opening and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

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

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

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_\_.



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-----  
**Bidder Signature Along with Seal**

**WITNESS**

Signature: \_\_\_\_\_

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Title: \_\_\_\_\_

Address: \_\_\_\_\_

Address: \_\_\_\_\_



## Bidder's JV Members Information Form

*{To be reproduced and signed & stamped by the lead partner and all JV members on their letter Pad, to be attached with Technical Bid in addition to the JV agreement}*

*{The Service Provider shall fill in this Form in accordance with the instructions indicated below. The following table shall be filled in for the Service Provider and for each member of a Joint Venture}.*

Date: *[insert date (as day, month and year) of Bid submission]*

RFB No.: *[insert number of RFB process]*

Alternative No.: *[insert identification No if this is a Bid for an alternative]*

Page \_\_\_\_\_ of \_\_\_\_\_ pages

1. Bidder's Name: <i>[insert Bidder's legal name]</i>
2. Bidder's JV Member's name: <i>[insert JV's Member legal name]</i>
3. Bidder's JV Member's country of registration: <i>[insert JV's Member country of registration]</i>
4. Bidder's JV Member's year of registration: <i>[insert JV's Member year of registration]</i>
5. Bidder's JV Member's legal address in country of registration: <i>[insert JV's Member legal address in country of registration]</i>
6. Bidder's JV Member's authorized representative information Name: <i>[insert name of JV's Member authorized representative]</i> Address: <i>[insert address of JV's Member authorized representative]</i> Telephone/Fax numbers: <i>[insert telephone/fax numbers of JV's Member authorized representative]</i> Email Address: <i>[insert email address of JV's Member authorized representative]</i>
7. Attached are copies of original documents of <i>[check the box(es) of the attached original documents]</i> <input type="checkbox"/> Articles of Incorporation (or equivalent documents of constitution or association), and/or registration documents of the legal entity named above, in accordance with ITB 4.4. <input type="checkbox"/> In case of a state-owned enterprise or institution, documents establishing legal and financial autonomy, operation in accordance with commercial law, and that they are not under the supervision of the Service Provider.
8. Included are the organizational chart, a list of Board of Directors, and the beneficial ownership.



## BIDDING FORM T1 - LETTER OF TECHNICAL PROPOSAL

Date: .....

Outsourcing of Solid Waste Management Services Including Primary and Secondary Collection (DTD), Transportation and Disposal of Solid Waste to Dumpsite Site of Tehsil Liaquat Pur (Urban & Rural Areas) (the “Project”)

To: [insert Procuring Agency’s address]

We, the undersigned, confirm, undertake and declare that:

- a) We have examined and have no reservations to the Bidding Document issued in accordance with ITB 6 (Amendment of Bidding Documents) dated \_\_\_\_\_ for the Project.
- b) We offer to perform and undertake the Bidder / contractor’s Obligations in respect of the Project in conformity with the Bidding Document without any omission, reservation and deviation; and we accept and undertake to comply with all requirements in the Bidding Document including the schedules / annexures attached to the Bidding Documents.
- c) Our Bid consisting of the Technical Proposal and the Financial Proposal shall be valid for a period of 180 days from the date fixed for the Submission Deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
- d) As security for due performance of the undertakings and obligations of this Bid, we submit unconditionally herewith the Bid Security drawn in your favor or made payable to you and valid for a period twenty-eight (28) days beyond the period of validity of Bid. We confirm that the Bid Security has been issued and maintained in PKR in accordance with the requirements of the Bidding Documents.
- e) As security for due performance of the undertakings and obligations of this Bid, we submit unconditionally herewith the Bid Security drawn in your favor or made payable to you and valid for a period of 180 days covering the period of validity of Bid. We confirm that the Bid Security has been issued and maintained in PKR in accordance with the requirements of the Bidding Documents.
- f) We, including any Sub-Contractor, have or will have nationalities from eligible / authorized countries, in accordance with the requirements of the Bidding Documents.
- g) We, including any Sub-Contractor, do not have any conflict of interest in accordance with the requirements of the Bidding Documents.
- h) We understand that all the schedules / annexures attached to the Bidding Document are integral part of the Bidding Documents.
- i) We undertake to perform the Bidder / contractor’s Obligations same within the time period stipulated in Notification of Award.
- 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 the Contract is cancelled / meets its duration.
- k) We and our Sub-Contractor (if any) neither blacklisted by any authority / entity nor have been involved in any litigation in court and investigation for fraud or corruption in or outside Pakistan. We are not involved in any bankruptcy or liquidation





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proceedings. We have not been engaged in any corrupt or fraudulent practices nor have any commissions or gratuities been or are to be paid by us to agents relating to this Bid and Contract’s execution.

- l) We are not participating, as a Bidder in more than one Bid in this Bidding Process in accordance with the requirements of the Bidding Document.
- m) We, our affiliates or subsidiaries, including any Sub-Contractor, have not been declared ineligible under the Procuring Agency’s country laws or official regulations.
- n) We agree to permit the Procuring Agency or its representative to inspect our accounts and records and other document relating to the Bid submission and to have them audited by auditors appointed by the Procuring Agency at its expense.
- o) We hereby declare that all the information and statements made in this Bid are true and accept that any misrepresentation contained in it shall lead to our disqualification, forfeiture of the Bid Security and / or our blacklisting by the Procuring Agency.
- p) We undertake, that if our Bid is accepted, to furnish the Performance Guarantee as per the requirements of the Bidding Document and the Contract within the time mentioned in Notification of Award / Letter of Acceptance.
- q) We do hereby declare that the Bid is made without any collusion, comparison of figures or arrangement with any other person or persons making a Bid for the Bidder / contractor`s Obligations.
- r) We understand that the Bidding Document has been issued by the Procuring Agency for the Project; and if our Bid is accepted, we shall execute the Contract for the Project as per the requirements of the Bidding Document.

Unless otherwise specified, capitalized terms used herein shall have the same meaning given to them in the Bidding Documents).

Name .....

In the capacity of .....

Signed .....

Duly authorized to sign the Bid for and on the behalf of ..... (Name of Bidder)

Date .....

[Seal]

In the presence of

[Name]

[Signature]

[Title]

[Name]

[Signature]

[Title]



## BIDDING FORM T2 - FORM OF INTEGRITY PACT

### DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC. PAYABLE BY THE BIDDER / CONTRACTOR

Dated \_\_\_\_\_

[Name of Bidder] (the “Bidder”) 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 Punjab, Bahawalpur Waste Management Company (BWMC), any administrative subdivision or agency thereof or any other entity owned or controlled by Government of Punjab (collectively to be hereinafter referred to as the “GoP”) through any corrupt business practice.

Without limiting the generality of the foregoing, [name of Bidder] 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 Bidder] certifies that it has made and will make full disclosure of all Contracts 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 Bidder] 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 Bidder] 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 Bidder] 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 Procuring Agency: Bahawalpur Waste Management Company (BWMC)

Name of Bidder: \_\_\_\_\_

Signature: .....

[Seal]



### BIDDING FORM T3 - FORM OF POWER OF ATTORNEY

KNOWN BY ALL THAT by this Power of Attorney [insert name of Bidder] (the “Bidder”) having its head office situated at [•], does hereby nominate, appoint & authorize Mr. [•] S/o Mr. [•] and Mr. [•] S/o Mr. [•] (both of whose specimen signatures are appended below), on behalf of the Bidder, hereinafter referred to as the attorney, to sign the Bid, the ancillary documents, the Acceptance of Notification of Award and the Contract (if awarded the Notification of Award), to negotiate, execute (under hand or under seal), sign and deliver all contracts, instruments, deeds, Contracts, applications and other documents, to make amendments to the same whether or not material, and to submit the same to the Procuring Agency, and to act for and on behalf of the Bidder and to bind the Bidder in relation to the bidding process and all ancillary documents, instruments and evidences submitted pursuant thereto, and generally to take such actions and decisions as may be necessary for the purpose of the bidding, to appear before any appropriate registrar or sub-registrar, represent the Grantor before such registrar and to do all acts and things incidental to registration of any instrument, and to do all other things and to take all necessary steps incidental to the exercise of the above powers or which the Attorney considers necessary or expedient with regard to the foregoing or the effective exercise of any power listed above.

This Power of Attorney is issued with respect to Bidding Document circulated on [insert date Bidding Document is floated] (the “Bidding Documents”).

Capitalized terms used herein and not otherwise defined shall bear the meaning ascribed thereto in the Bidding Documents.

The Bidder does hereby ratify and confirm whatever the attorney shall do by virtue of these presents.

Specimen signature of Mr. [name of the nominee on behalf of Bidder]

Specimen signature of Mr. [name of the attorney appointed by Bidder]

[Signature]  
[Name]

[Designation]  
[Bidder / contractor]

WITNESSES:

1. Signature -----  
Name -----  
S.O/D.O: -----  
-----  
Address -----  
-----  
Passport / CNIC -----

2. Signature -----  
Name -----  
S.O/D.O: -----  
-----  
Address -----  
-----  
Passport / CNIC -----



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## BIDDING FORM T4 – FORM OF AFFIDAVIT

*[To be printed on PKR 100 Stamp Paper, duly attested by Oath Commissioner / Notary Public.  
To be attached with Technical Bid]*

### Notes for Execution of Affidavit:

- *The mode of execution of the Affidavit should be in accordance with the procedure, if any, laid down by the applicable laws and the same should be under common seal affixed in accordance with the required procedure.*
- *Also, wherever required, the Bidder should submit for verification the extract of the charter documents and documents such as a resolution / power of attorney in favor of the person executing this Affidavit for the delegation of power hereunder on behalf of the Bidder.*
- *This Affidavit shall be notarized with the Notary Public.*

*Please find below the form and substance of Affidavit.*

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



## Outsourcing of SWM Services TEH Liaqat Pur



To:

The Chief Executive Officer  
Bahawalpur Waste Management Company (BWMC),  
Government of Punjab,  
1-2/D, al-Aqsa Mall, Opp. SNGPL office, Model Town “A” Bahawalpur  
Phone: 062-9255202

I/We, the undersigned, do hereby certify that all the statements made in the Bidding Document and in the supporting documents are true, correct and valid to the best of my knowledge and belief and may be verified by Procuring Agency if the Procuring Agency, at any time, deems it necessary.

The undersigned hereby authorize and request the bank, person, bidder / contractor or corporation to furnish any additional information requested by the *Bahawalpur Waste Management Company* (BWMC) deemed necessary to verify this statement regarding my (our) competence and general reputation.

The undersigned understands and agrees that further qualifying information may be requested and agrees to furnish any such information at the request of the *Bahawalpur Waste Management Company* (BWMC). The undersigned further affirms on behalf of the firm that:

- (i) The firm / bidder / contractor has not been blacklisted by any govt. department / agency / firm.
- (ii) The documents / photocopies provided with Bid are authentic. In case, any fake / bogus document was found at any stage, BWMC has full right to blacklist our firm / bidder / contractor as per Law / Rules.
- (iii) Affidavit for correctness of information.
- (iv) Contractor / firm is not blacklisted or subject to any pending litigation with any Government or Public Department.
- (v) 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
- (vi) are not in bankruptcy or liquidation proceedings;
- (vii) have not been convicted of, fraud, corruption, collusion or money laundering;
- (viii) are not aware of any conflict of interest or potential conflict of interest arising from prior or existing contracts or relationships which could materially affect our capability to comply with the obligations under the Contract;
- (ix) [are legally and financially autonomous and operate under commercial law]<sup>3</sup>; and
- (x) all pending actions, suits, arbitration or legal, administrative, governmental or other proceedings or litigation pending or threatening against the Bidder (“Claims”) does not in total represent more than 50% of the its net worth, nor are there any Claims that prevent or materially impede the Bidder from its obligations in respect of the Bidder / contractor`s Obligations and the terms of the Contract.

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<sup>3</sup> Only relevant for the government owned legal enterprise or institution



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That whatever stated above is true and correct to the best of my knowledge and belief and nothing has been concealed thereto.

\_\_\_\_\_

**DEPONENT**

Verified on oath at \_\_\_\_\_ on this \_\_\_\_ day of \_\_\_\_\_, 2024 that the contents of the above Affidavit are true and correct to the best of my knowledge and belief.

\_\_\_\_\_

**DEPONENT**

**WITNESSES:**

a) \_\_\_\_\_

b) \_\_\_\_\_

Name -----

Name -----

Address -----

Address -----

-----

-----

CNIC -----

CNIC -----



## **BIDDING FORM T5 – BIDDER / CONTRACTOR’S ORGANIZATION AND EXPERIENCE**

### **A - Bidder / contractor’s Organization**

*[Provide here a brief (two pages) description of the background and organization of your firm/entity and each associate for this assignment.]*



## B - Contractor's Experience

*[Using the format below, provide information on each assignment for which your firm, and each associate for this assignment, was legally contracted either individually or as a corporate entity or as one of the major companies within an association, for carrying out consulting services similar to the ones requested under this assignment.]*

Assignment name:	Approx. value of the contract (in current US\$ or Euro):
Country: Location within country:	Duration of assignment (months):
Name of PA:	Total No of staff-months of the assignment:
Address:	Approx. value of the services provided by your firm under the contract (in current PKR):
Start date (month/year): Completion date (month/year):	No of professional staff-months provided by associated:
Name of associated Contractor, if any:	Name of senior professional staff of your firm involved and functions performed (indicate most significant profiles such as Project Director/Coordinator, Team Leader):
Narrative description of Project:	
Description of actual services provided by your staff within the assignment:	

Firm's Name: \_\_\_\_\_





## BIDDING FORM T6– FORM OF BID SECURITY

### BANK GUARANTEE

Guarantee No. \_\_\_\_\_

Executed on \_\_\_\_\_

Expiry date \_\_\_\_\_

[Letter by the Bank to the Procuring Agency]

Name of Bank (Bank) with address: \_\_\_\_\_

Name of Principal (Bidder) with address: \_\_\_\_\_

Guaranteed Amount (express in words and figures): \_\_\_\_\_

Date of Bid \_\_\_\_\_

The above premised, we (the Bank) hereby undertake irrevocably and unconditionally on demand to pay to Bahawalpur Waste Management Company (BWMC) (the Procuring Agency), without any objection, question or delay and without any notice, reference or recourse to the Bidder or to any other entity or without the necessity of any legal or judicial proceedings and without any set-off and without any counterclaim and without any recourse or reference to any document, Contract, instrument or deed, any sum or sums (or any part thereof) equivalent in aggregate up to but not exceeding a maximum amount of:

[●] [●]/- ([●][●])

(The Guaranteed Amount)

at sight and immediately upon the receipt of the Procuring Agency's first written demand (the Demand) at the Bank's offices located at [●] or through SWIFT instructions transmitted by the Procuring Agency's bank (i.e. [●]), on behalf of the Procuring Agency, to the Bank, such Demand stating:

- a) that the Bidder is in breach of its obligations towards the Procuring Agency; and
- b) \*the total amounts demanded.

A Demand shall only be honored by us (i) in the case of a written Demand, if it is made by and bears the signature of an authorized officer or other representative of the Procuring Agency; or (ii) in the case of a Demand transmitted through SWIFT, if it is transmitted through authenticated SWIFT instructions by the Procuring Agency's bank (i.e. [●]), on behalf of the Procuring Agency.

We, the Bank, shall unconditionally honor a Demand hereunder made in compliance with this Bank Guarantee at sight and immediately on the date of receipt of your Demand, as stated earlier, and shall transfer the amount specified in the Demand to the bank account, as notified in the Demand, in immediately available and freely transferable funds in the currency of this Bank Guarantee, free and clear of and without any set-off or deduction for or on account of any present or future taxes, levies, imposts, duties, charges, fees, deductions or withholdings of any nature



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whatsoever and by whomsoever imposed.

Such demand must be received by us on or before the [●] (the Expiry Date), when this Bank Guarantee shall expire and shall be returned to us.

We have been informed that the Procuring Agency may require the Bidder to extend this Bank Guarantee if the Performance Security has not been issued thirty (30) days prior to such expiry date. We undertake to immediately pay you such guaranteed amount upon receipt by us of your demand in writing and your written statement that the Performance Security has not been issued and that this Bank Guarantee has not been extended.

Upon expiry, this Bank Guarantee shall be returned to the Bidder without undue delay.

The Guaranteed Amount shall be revised upon receipt by us of a notice duly signed by the Procuring Agency and the Bidder of the revised guaranteed amount.

We hereby agree that any amendment, renewal, extension, modification, compromise, release or discharge by mutual Contract by the Procuring Agency, the Bidder or any other entity of any document, Contract, instrument or deed shall not in any way impair or affect our liabilities hereunder and maybe undertaken without notice to us and without the necessity for any additional endorsement, consent or guarantee by us.

This Bank Guarantee for its validity period shall not be affected in any manner by any change in our constitution or of the Bidder's constitution or of their successors and assignees and this Bank Guarantee shall be legally valid, enforceable and binding on each of their successors and permitted assignees.

The obligations of the Bank for the payment of the Guaranteed Amount, are absolute irrespective of the insolvency, bankruptcy, reorganization, dissolution and / or liquidation of the Bidder or occurrence of an event of Force Majeure such as (but not limited to) acts of God, riots, pandemics, civil commotions, insurrections, wars, strikes or lockouts, relating to the Bidder or the Bank or occurrence of any other causes beyond the control of the Bidder or the Bank or any other act or omission by Procuring Agency or occurrence of any event which but for this provision or any other provision of this Guarantee might exonerate or discharge or release Bank's liability hereunder.

The Bank agrees that their liability to Procuring Agency hereunder shall not be affected, reduced and/or extinguished by any disputes between the Bidder and Procuring Agency or by the existence of any litigation or arbitration between the Bidder and Procuring Agency.

The Bank represents and undertakes that the Bank has full power, authority, and legal right to incur obligations under, and to exercise and deliver, and to perform and observe the terms and provisions of this Guarantee and that the Bank has complied with all necessary



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regulations with respect to the issuance of this Guarantee and this Guarantee constitutes a valid and binding obligation on the Bank’s part, enforced in accordance with the terms hereof.

In the event that the Bank fails to make payment to Procuring Agency of the full amount of any of its demands upon receipt of the first simple demand by Procuring Agency (or at the latest by close of business hours on the day of such demand), the Bank will become liable to Procuring Agency and shall make payment to Procuring Agency of an additional amount (in addition to the amount of Procuring Agency’s demand) equivalent to the Interbank Offered Rate (at the Offer rate) plus 5% per annum of the amount of Procuring Agency’s demand pro rata for each day the amount is not paid by the Bank from the day of the receipt of the demand, together with all costs and expenses incurred by Procuring Agency (including legal costs) for effecting recovery from the Bank.

All references to any contract, Contract, deed or other instruments or documents are by way of reference only and shall not affect our obligations to make payment under the terms of this Bank Guarantee.

If one or more of the provisions of this Bank Guarantee are held or found to be invalid, illegal, or unenforceable for any reason whatsoever, in any respect, any such invalidity, illegality, or unenforceability of any provision shall not affect the validity of the remaining provisions of this Bank Guarantee.

We hereby declare and confirm that under our constitution and applicable laws and regulations, we have the necessary power and authority, and all necessary authorizations, approvals and consents thereunder to enter into, execute, deliver and perform the obligations we have undertaken under this Bank Guarantee, which obligations are valid and legally binding on and enforceable against us under the laws of Pakistan and under the laws of the jurisdiction where this Bank Guarantee is issued. Further, that the signatory (ies) to this Bank Guarantee is / are our duly authorized officer(s) to execute this Bank Guarantee.

This Bank Guarantee and all rights and obligations arising from this Bank Guarantee shall be governed and construed in all respects in accordance with the laws of Pakistan. The courts in Pakistan shall have exclusive jurisdiction in respect of any dispute relating to any matter contained herein.

The issuance of this Bank Guarantee is permitted according to the laws of Pakistan and the laws of the jurisdiction where this Bank Guarantee is issued.

This Bank Guarantee is subject to the Uniform Rules for Demand Guarantee, ICC Publication No.758.

Name: .....

Designation: .....



## BIDDING FORM F1 – LETTER OF FINANCIAL PROPOSAL

Date: .....

Outsourcing of Solid Waste Management Services Including Primary and Secondary Collection, Transportation and Disposal of Solid Waste to Dump Site of Tehsil Liaqat Pur (Urban and Rural AREAS) (the “Project”)

To:

Chief Executive Officer

Bahawalpur Waste Management Company (BWMC),

Government of Punjab,

1-2/D, al-Aqsa Mall, Opp. SNGPL office, Model Town “A” Bahawalpur

Phone: 062-9255202

We, the undersigned, confirm, undertake and declare that:

- a) We have examined and have no reservations to the Bidding Document issued in accordance with ITB 6 (Amendment of Bidding Documents) dated \_\_\_\_\_ for the Project.
- b) We offer to perform and undertake the Bidder / contractor`s Obligations in respect of the Project in conformity with the Bidding Document without any omission, reservation and deviation; and we accept and undertake to comply with all requirements in the Bidding Documents, including the schedules / annexures attached to the Bidding Documents.
- c) The Bid Price, inclusive of all federal, provincial and local duties, levies and taxes (including Bidder / contractor Taxes) is PKR [insert amount].
- d) Our Bid consisting of the Technical Proposal and the Financial Proposal shall be valid for a period of 180 days from the date fixed for the Submission Deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
- e) We, including any Sub-Contractor, have or will have nationalities from eligible countries, in accordance with the requirements of the Bidding Document.
- f) We, including any Sub-Contractor, do not have any conflict of interest in accordance with the requirements of the Bidding Document.
- g) We understand that all the schedules / annexures attached to the Bidding Document IS integral part of the Bidding Document.
- h) We undertake to perform the Bidder / contractor`s Obligations within the time period stipulated in Notification of Award.
- i) 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 the Contract (attached as Part II to the Bidding Document) is executed.
- j) We have not been blacklisted by any authority / entity and have not been involved in any investigation for fraud or corruption in or outside Pakistan. We are not involved in any bankruptcy or liquidation proceedings. We have not been engaged in any corrupt or fraudulent practices nor have any commissions or gratuities been or are to be paid by us to agents relating to this Bid and Contract`s execution.
- k) We are not participating, as a Bidder in more than one Bid in this Bidding Process in



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- accordance with the requirements of the Bidding Document.
- l) We, our affiliates or subsidiaries, including any Sub-Contractor for any part of the Bidder / contractor`s Obligations, have not been declared ineligible under the Procuring Agency`s country laws or official regulations.
  - m) We agree to permit the Procuring Agency 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 Procuring Agency at its expense.
  - n) We hereby declare that all the information and statements made in this Bid are true and accept that any misrepresentation contained in it shall lead to our disqualification, forfeiture of the Bid Security and / or our blacklisting by the Procuring Agency.
  - o) We undertake, if our Bid is accepted, to furnish the Performance Security as per the requirements of the Bidding Document and the Contract. We do hereby declare that the Bid is made without any collusion, comparison of figures or arrangement with any other person or persons making a Bid for the Bidder / contractor`s Obligations.
  - p) We understand that the Bidding Document has been issued by the Procuring Agency for the Project; and if our Bid is accepted, we shall execute the Contract for the Project as per the requirements of the Bidding Document.

(Unless otherwise specified, capitalized terms used herein shall have the same meaning given to them in the Bidding Documents).

Name .....

In the capacity of .....

Signed .....

Duly authorized to sign the Bid for and on the behalf of ..... (Name of Bidder)

Date .....

[Seal]

In the presence of

[Name]

[Signature]

[Title]

[Name]

[Signature]

[Title]



## BIDDING FORM F2 – FIN FORM

### PRICE SCHEDULE

Name of Tehsil of Bahawalpur District	Total Bid Price for Four Years (PKR)
Cost of Services for Tehsil Liaqat Pur	
Total Bid Price for <b>Four Years</b> (In Words);	

**Note:** Total Bid Price shall be inclusive of all applicable / prevailing taxes, duties, charges and other obligations as per TORs/Scope of Services.

**Stamp & Signature of Bidder** \_\_\_\_\_



## BIDDING FORM F3 – FORM OF PERFORMANCE GUARANTEE

### BANK GUARANTEE

Guarantee No. \_\_\_\_\_  
Executed on \_\_\_\_\_  
Expiry date \_\_\_\_\_

[Letter by the Bank to the Procuring Agency]

Name of Bank (Bank) with address: \_\_\_\_\_

Name of Principal (Bidder) with address: \_\_\_\_\_

Guaranteed Amount (express in words and figures): \_\_\_\_\_

Date of Bid \_\_\_\_\_

The above premised, we (the Bank) hereby undertake irrevocably and unconditionally on demand to pay to Bahawalpur Waste Management Company (BWMC) (the Procuring Agency), without any objection, question or delay and without any notice, reference or recourse to the Bidder or to any other entity or without the necessity of any legal or judicial proceedings and without any set-off and without any counterclaim and without any recourse or reference to any document, Contract, instrument or deed, any sum or sums (or any part thereof) equivalent in aggregate up to but not exceeding a maximum amount of:

[●] [●]/- ([●][●])  
(the Guaranteed Amount)

at sight and immediately upon the receipt of the Procuring Agency's first written demand (the Demand) at the Bank's offices located at [●] or through SWIFT instructions transmitted by the Procuring Agency's bank (i.e. [●]), on behalf of the Procuring Agency, to the Bank, such Demand stating:

- a) that the Bidder is in breach of its obligations towards the Procuring Agency; and
- b) the total amounts demanded.

A Demand shall only be honored by us (i) in the case of a written Demand, if it is made by and bears the signature of an authorized officer or other representative of the Procuring Agency; or (ii) in the case of a Demand transmitted through SWIFT, if it is transmitted through authenticated SWIFT instructions by the Procuring Agency's bank (i.e. [●]), on behalf of the Procuring Agency.

We, the Bank, shall unconditionally honor a Demand hereunder made in compliance with this Bank Guarantee at sight and immediately on the date of receipt of your Demand, as stated earlier, and shall transfer the amount specified in the Demand to the bank account, as notified in the Demand, in immediately available and freely transferable funds in the currency of this Bank Guarantee, free and clear of and without any set-off or deduction for or on account of any present or future taxes, levies, imposts, duties, charges, fees, deductions or withholdings of any nature whatsoever and by whomsoever imposed.

Such demand must be received by us on or before the [●] (the Expiry Date), when this Bank





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Guarantee shall expire and shall be returned to us.

We have been informed that the Procuring Agency may require the Bidder to extend this Bank Guarantee if the Performance Security has not been issued thirty (30) days prior to such expiry date. We undertake to immediately pay you such guaranteed amount upon receipt by us of your demand in writing and your written statement that the Performance Security has not been issued and that this Bank Guarantee has not been extended.

Upon expiry, this Bank Guarantee shall be returned to the Bidder without undue delay.

The Guaranteed Amount shall be revised upon receipt by us of a notice duly signed by the Procuring Agency and the Bidder of the revised guaranteed amount.

We hereby agree that any amendment, renewal, extension, modification, compromise, release or discharge by mutual Contract by the Procuring Agency, the Bidder or any other entity of any document, Contract, instrument or deed shall not in any way impair or affect our liabilities hereunder and maybe undertaken without notice to us and without the necessity for any additional endorsement, consent or guarantee by us.

This Bank Guarantee for its validity period shall not be affected in any manner by any change in our constitution or of the Bidder's constitution or of their successors and assignees and this Bank Guarantee shall be legally valid, enforceable and binding on each of their successors and permitted assignees.

The obligations of the Bank for the payment of the Guaranteed Amount, are absolute irrespective of the insolvency, bankruptcy, reorganization, dissolution and / or liquidation of the Bidder or occurrence of an event of Force Majeure such as (but not limited to) acts of God, riots, pandemics, civil commotions, insurrections, wars, strikes or lockouts, relating to the Bidder or the Bank or occurrence of any other causes beyond the control of the Bidder or the Bank or any other act or omission by Procuring Agency or occurrence of any event which but for this provision or any other provision of this Guarantee might exonerate or discharge or release Bank's liability hereunder.

The Bank agrees that their liability to Procuring Agency hereunder shall not be affected, reduced and/or extinguished by any disputes between the Bidder and Procuring Agency or by the existence of any litigation or arbitration between the Bidder and Procuring Agency.

The Bank represents and undertakes that the Bank has full power, authority, and legal right to incur obligations under, and to exercise and deliver, and to perform and observe the terms and provisions of this Guarantee and that the Bank has complied with all necessary regulations with respect to the issuance of this Guarantee and this Guarantee constitutes a valid and binding obligation on the Bank's part, enforced in accordance with the terms hereof.

In the event that the Bank fails to make payment to Procuring Agency of the full amount of any of its demands upon receipt of the first simple demand by Procuring Agency (or at the latest by close of business hours on the day of such demand), the Bank will become liable to Procuring Agency and shall make payment to Procuring Agency of an additional amount (in addition to the amount of Procuring Agency's demand) equivalent to the Interbank Offered Rate (at the Offer





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rate) plus 5% per annum of the amount of Procuring Agency’s demand pro rata for each day the amount is not paid by the Bank from the day of the receipt of the demand, together with all costs and expenses incurred by Procuring Agency (including legal costs) for effecting recovery from the Bank.

All references to any contract, Contract, deed or other instruments or documents are by way of reference only and shall not affect our obligations to make payment under the terms of this Bank Guarantee.

If one or more of the provisions of this Bank Guarantee are held or found to be invalid, illegal, or unenforceable for any reason whatsoever, in any respect, any such invalidity, illegality, or unenforceability of any provision shall not affect the validity of the remaining provisions of this Bank Guarantee.

We hereby declare and confirm that under our constitution and applicable laws and regulations, we have the necessary power and authority, and all necessary authorizations, approvals and consents thereunder to enter into, execute, deliver and perform the obligations we have undertaken under this Bank Guarantee, which obligations are valid and legally binding on and enforceable against us under the laws of Pakistan and under the laws of the jurisdiction where this Bank Guarantee is issued. Further, that the signatory (ies) to this Bank Guarantee is / are our duly authorized officer(s) to execute this Bank Guarantee.

This Bank Guarantee and all rights and obligations arising from this Bank Guarantee shall be governed and construed in all respects in accordance with the laws of Pakistan. The courts in Pakistan shall have exclusive jurisdiction in respect of any dispute relating to any matter contained herein.

The issuance of this Bank Guarantee is permitted according to the laws of Pakistan and the laws of the jurisdiction where this Bank Guarantee is issued.

This Bank Guarantee is subject to the Uniform Rules for Demand Guarantee, ICC Publication No.758.

Name: .....

Designation: .....



## Section IX- Check List

*[To be signed and stamped and presented on Bidder's letter head pad]*

The provision of this checklist is essential prerequisite along with submission of tenders (with technical proposal).

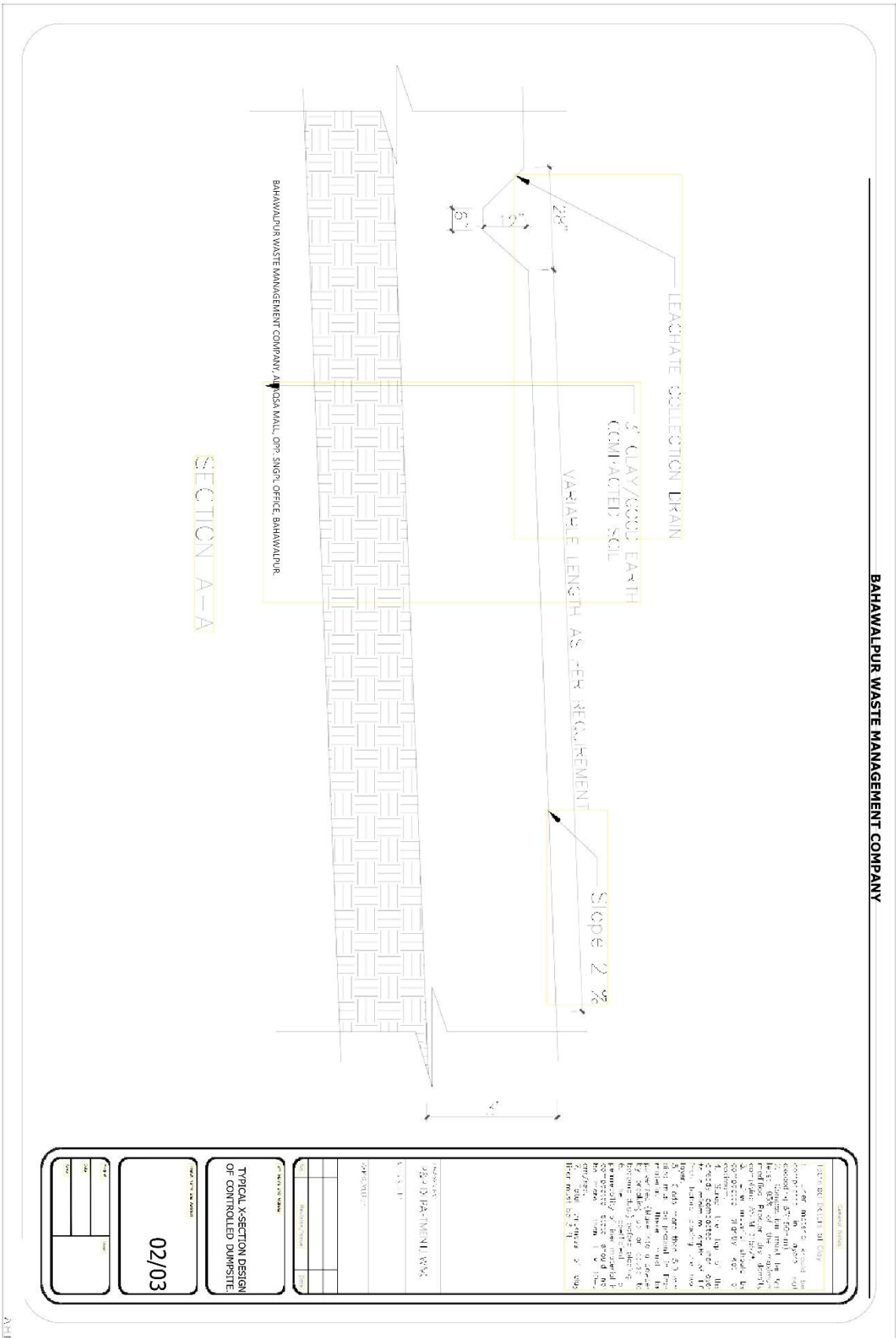
Sr. #	Detail	Yes	No
1	Copy of the receipt for purchase of tender along with Original Bidding Document with signed and stamp by authorized Person.		
2	1% Bid Security of estimated cost. The Bid security must be submitted with technical proposal.		
3	Forms of Technical & Financial Bid (as per <b>Section VIII</b> of Bidding documents) on letter head of the firm duly signed and stamped and on the non-judicial stamp paper duly attested by Oath Commissioner / notary Public (where applicable).		
4	All documents required as per the TORs / Scope of Services.		
5	All documents required as per the Evaluation Criteria.		

Stamp & Signature of Bidder \_\_\_\_\_



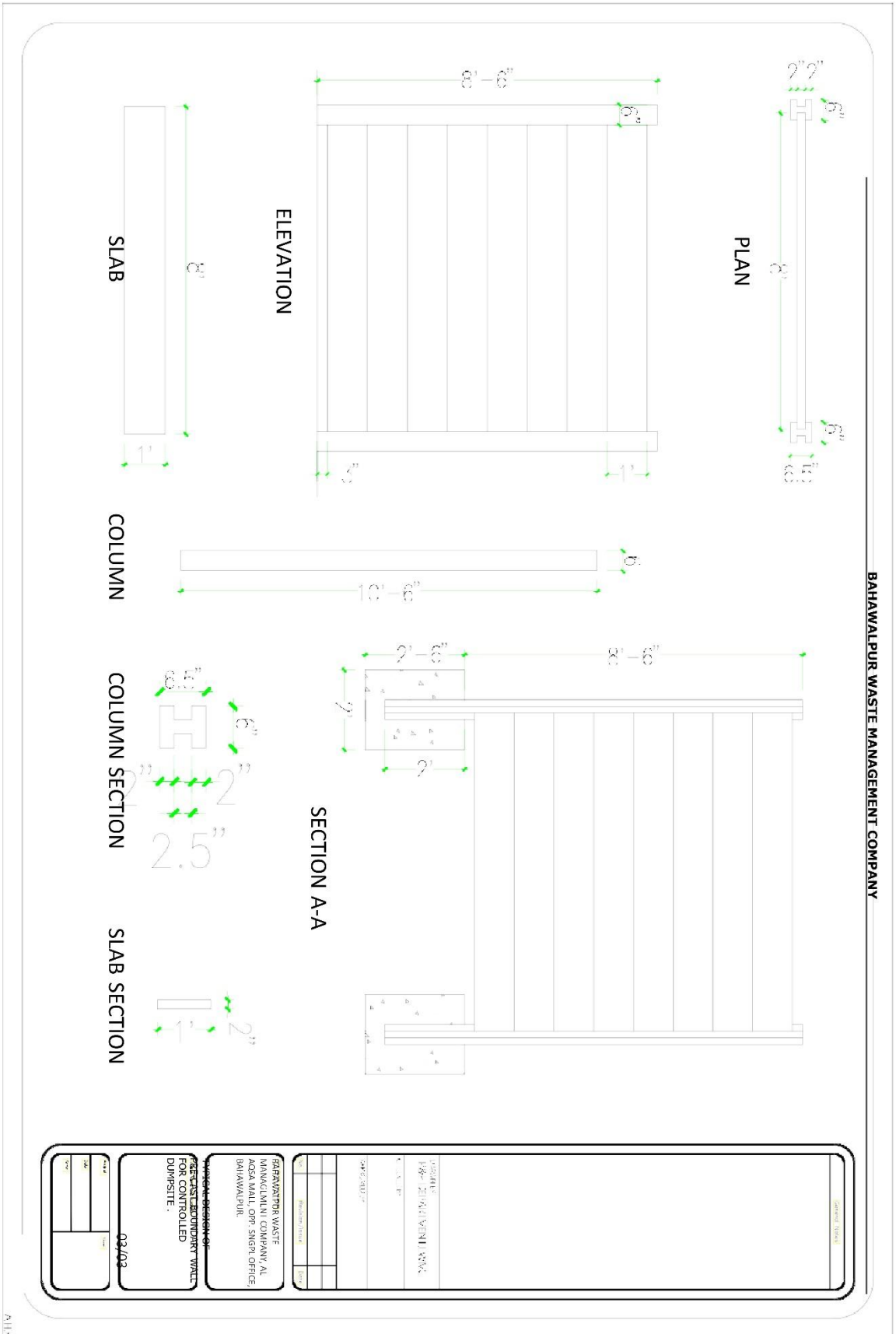


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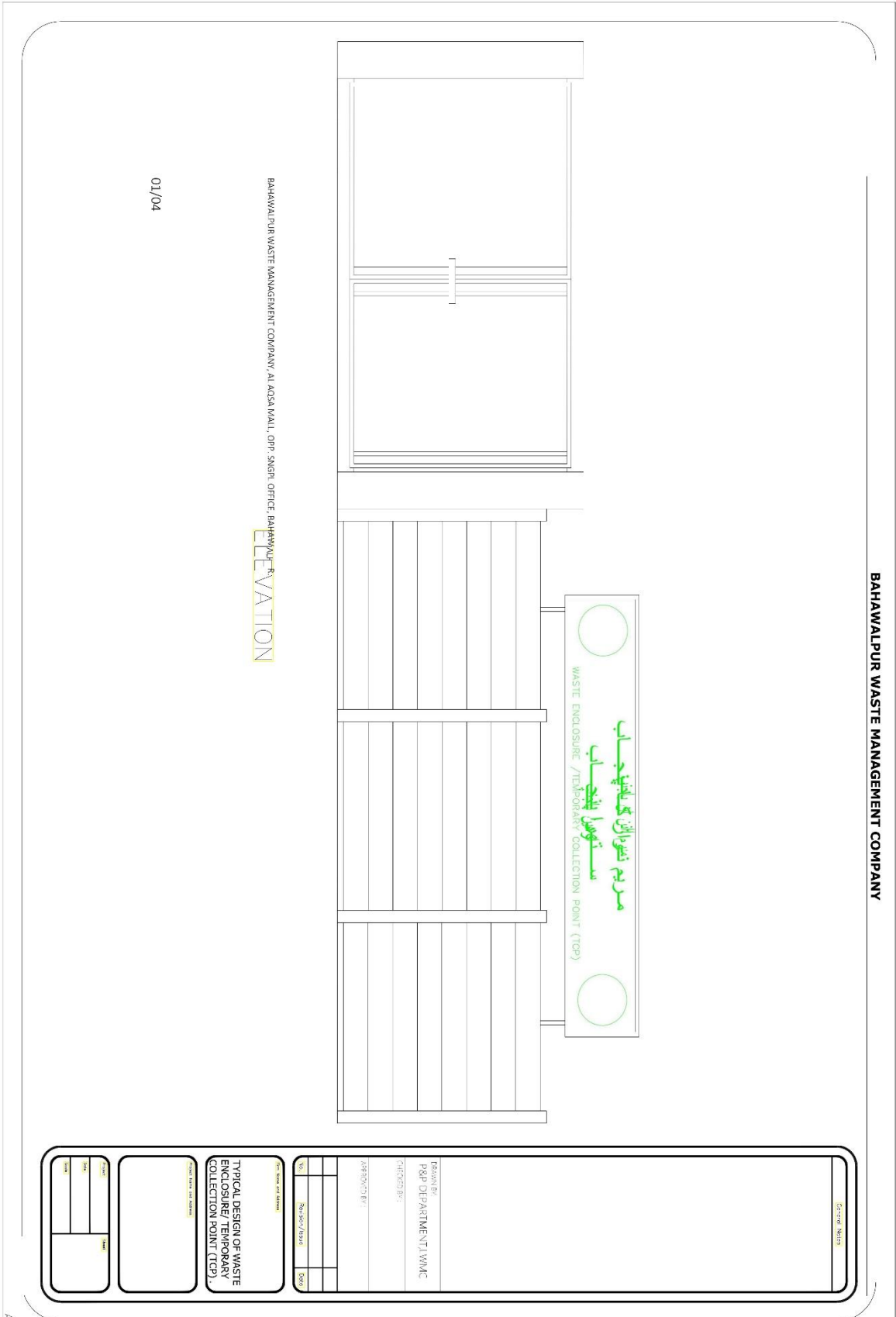
Outsourcing of SWM Services TEH Liaquat Pur



BAHAWALPUR WASTE MANAGEMENT COMPANY



Outsourcing of SWM Services TEH Liaquat Pur

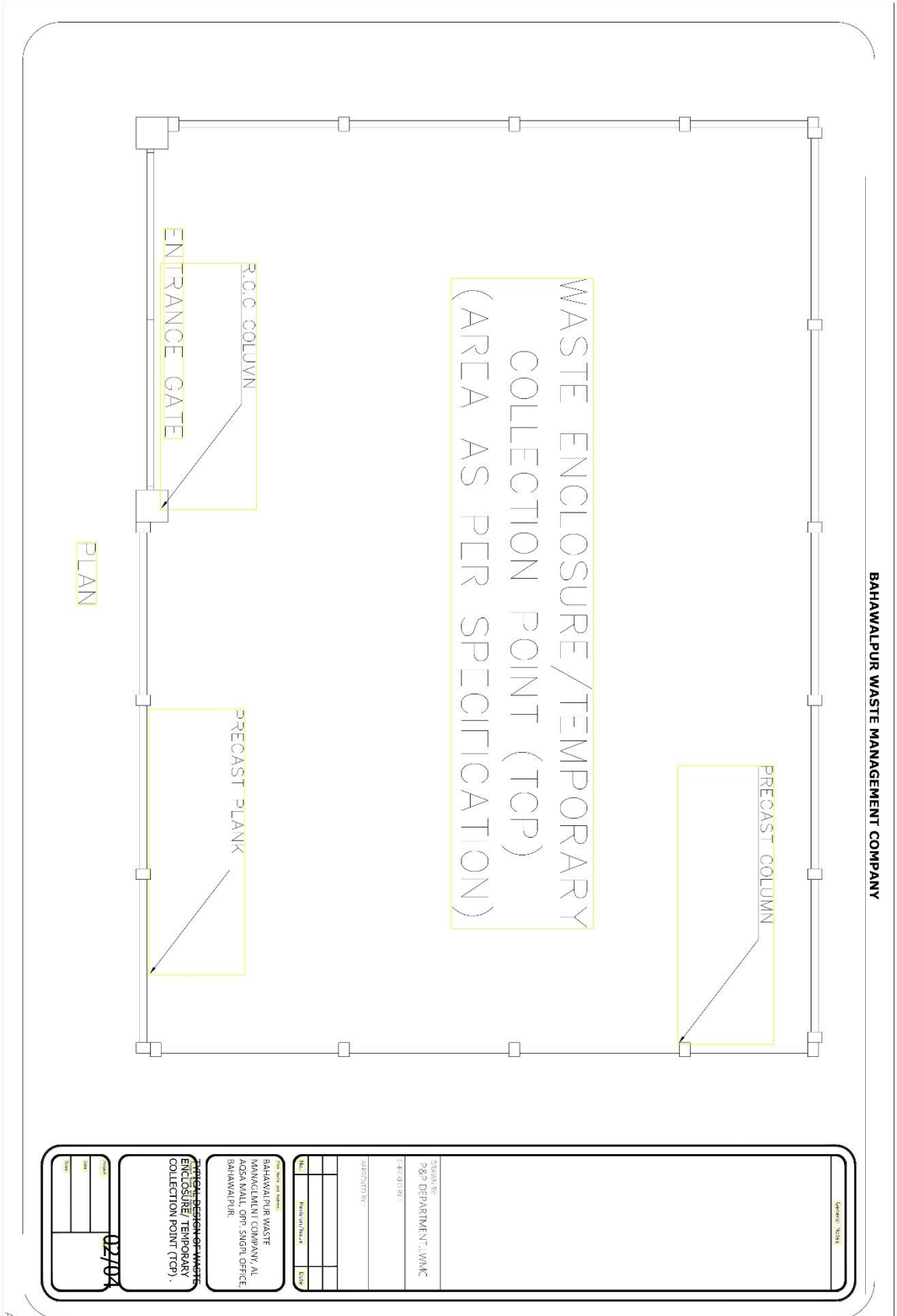


BAHAWALPUR WASTE MANAGEMENT COMPANY

Scale: 1/100	
Prepared by: P&P DEPARTMENT, WMC	
Checked by: _____	
Approved by: _____	
NO.	DATE
TYPICAL DESIGN OF WASTE ENCLOSURE / TEMPORARY COLLECTION POINT (TCP)	



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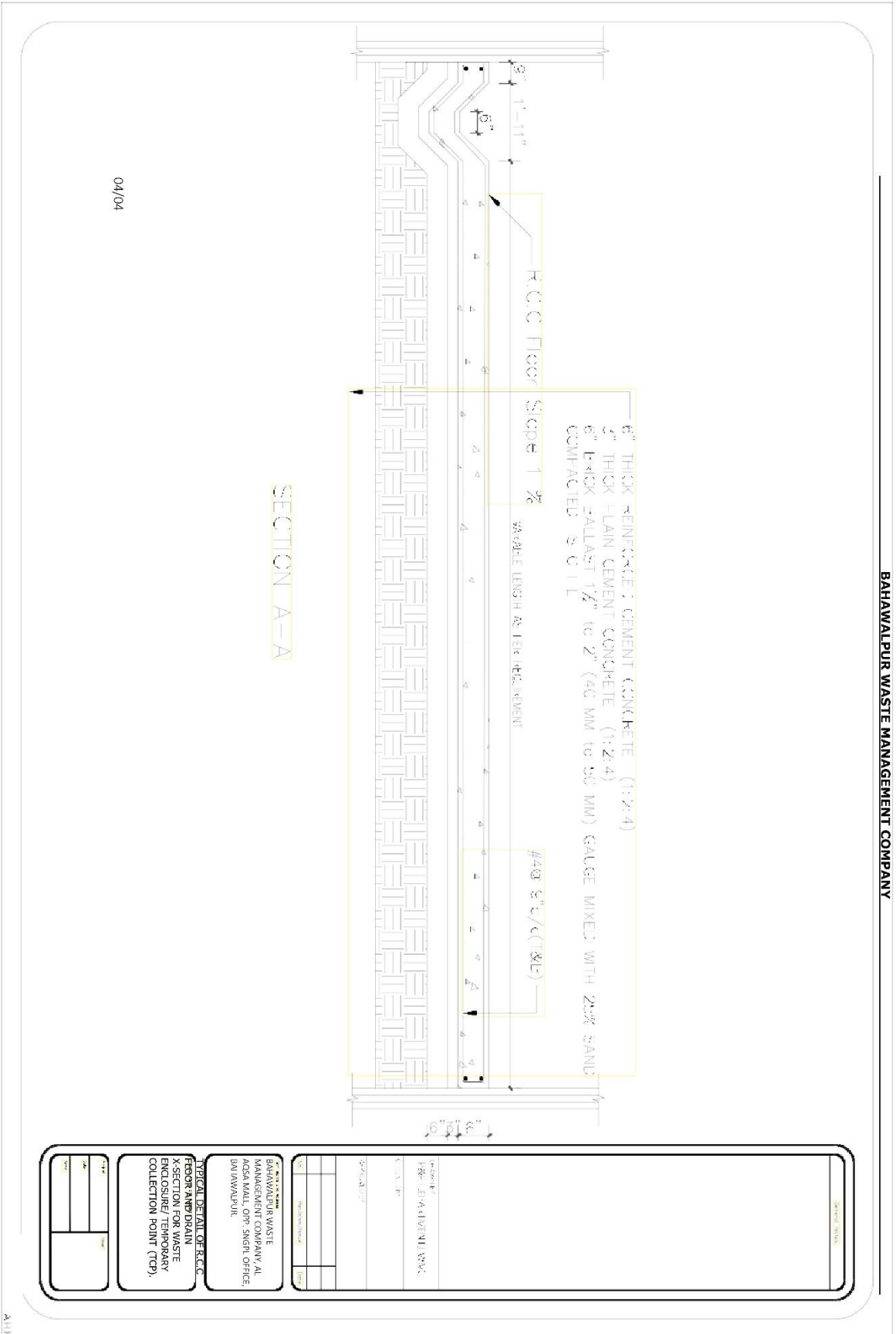




Outsourcing of SWM Services TEH Liaquat Pur



BAHAWALPUR WASTE MANAGEMENT COMPANY



**CHASSIS / DUMP TRUCK 5M3**

Sr.	Item	Description
<b>TRUCK CHASSIS:</b>		
1	<b>Origin</b>	Origin Europe/USA/Japan Assembled in Pakistan
2	<b>Type</b>	RHD, 4x2
3	<b>GVW</b>	8900 ~ 9000 kg
4	<b>Engine</b>	<b>Type:</b> 4 stroke-cycle, water cooled direct injection diesel engine with turbocharger & intercooler. <b>Power:</b> 135 ~ 145 PS <b>Torque:</b> 35 ~ 45 kgf.m <b>Displacement:</b> 3900 ~ 4100 cc
	<b>Emission Standard</b>	<b>Euro-II</b> minimum
5	<b>Clutch</b>	300 mm, Hydraulic control, diaphragm spring, single dry plate.
6	<b>Transmission</b>	5 ~ 6 Forward & 1 Reverse OD transmission
7	<b>Axle</b>	<b>Front:</b> Reverse Elliot "I" beam. <b>Rear:</b> Full floating type.
8	<b>Brakes</b>	<b>Service:</b> Hydraulic with vacuum servo assistance, dual circuit. <b>Exhaust:</b> Vacuum operated, butterfly valve type. <b>Parking:</b> Internal expanding type on propeller shaft at rear of transmission.
9	<b>Dimensions</b>	<b>Wheelbase:</b> 3800 ~ 3900 mm <b>Width:</b> 1950 ~ 2000 mm <b>Length:</b> 6700 ~ 6750 mm <b>Height:</b> 2200 ~ 2250 mm <b>Ground Clearance:</b> 200 ~ 220 mm
10	<b>Electrical</b>	<b>Batteries:</b> 2 x 12 V, 65 AH. <b>Alternator:</b> 24 V, 50 Amp
11	<b>Steering</b>	Ball-nut type with integral type hydraulic power booster. Telescopic and tilt steering column with steering lock.
12	<b>Suspension (Front &amp; Rear)</b>	Semi-elliptic, laminated leaf springs, hydraulic double acting telescopic type shock absorbers on front & rear axles.
13	<b>Wheels &amp; Tires</b>	<b>Tire Size:</b> 7.50-16-14 PR <b>Nos. of Tires:</b> 7 including spare wheel.
14	<b>Fuel Tank Capacity</b>	100 liters

**SUPERSTRUCTURE / DUMP TRUCK 5M3**

Dump Truck 5 M3 Capacity with following specifications:

Description	Minimum Requirement
CONSTRUCTION	Mild Steel body constructed from following thickness sheets with appropriate type of strengthen. Tail gate to open automatically for dumping.  Body Sides: 4 mm Body Floor: 5 mm Body Front: 5 mm Tail Gate: 4 mm Sub & Lift Frame: 8 mm
Volume	5 M3
Hydraulic Pump	50 ~ 55 rev. Piston type. Max. Continues pressure 350 bars. Type close couple with PTO. (Origin Europe/USA/Japan/Turkey/China or equivalent).
PTO	PTO will be according to the chaassis. Europe/USA/Japan/Turkey/China or equivalent).
Lifting Scissor	Tentuski type locally manufactured.
Lifting capacity	4 Tons
Hydraulic Cylinder	Under Body Type imported Honed tubes and chromed Rod., Locally assembled.
Operative Control	Solenoid control valve operated from cabin Europe/USA/Japan/Turkey/China or equivalent).
Oil Reservoir	With level & temperature gauge Tank Capacity 50 Liters
Filters	On line return filter Breather cap with strainer (Origin Europe/USA/Japan/Turkey/China or equivalent).
Paint	The internal and external surface will be painted free from Rust and Oil Residue. One coats of anti-rust primer base two coats of final paint done with synthetic Enamel. Color of Paint and the Branding / Marking will be done as per customer choice.



### CHASSIS / DUMP TRUCK 10M3 CAPACITY

Sr.	Item	Description
<b>TRUCK CHASSIS:</b>		
1	<b>Origin</b>	Origin Europe/USA/Japan Assembled in Pakistan
2	<b>Type</b>	RHD, 4x2
3	<b>GVW</b>	18000 kg Minimum
4	<b>Engine</b>	<b>Type:</b> 4 stroke Water cooled direct injection turbo charged with intercooler, diesel engine – Common rail. <b>HP:</b> 235 ~ 240 PS <b>Torque:</b> 72~74 kgf.m <b>Displacement:</b> 7500 ~ 7700 cc
5	<b>Emission Standard</b>	<b>Euro-II Minimum</b>
6	<b>Clutch</b>	Size 380 mm. Hydraulic, Coil spring type, single dry plate with air pressure assistance.
7	<b>Transmission</b>	6 Forward & 1 Reverse.
8	<b>Axle</b>	<b>Front:</b> Reverse Elliot “I” beam. <b>Rear:</b> Full floating type.
9	<b>Brakes</b>	<b>Service:</b> Air over hydraulic with dual circuit. <b>Parking:</b> Internal expanding on propeller shaft. <b>Auxiliary:</b> Exhaust Brake.
10	<b>Dimensions</b>	<b>Wheelbase:</b> 4600 ~ 4650 mm <b>Overall Width:</b> 2450 ~ 2500 mm <b>Overall Length:</b> 8000 ~ 8050 mm <b>Overall Height:</b> 2650 ~ 2700 mm <b>Road Clearance:</b> 250 ~ 270 mm
11	<b>Electrical</b>	<b>Batteries:</b> 2 x 12 V
12	<b>Suspension (Front &amp; Rear)</b>	<b>Front:</b> Semi-elliptic leaf springs with shock absorbers. <b>Rear:</b> Semi-elliptic main and auxiliary leaf springs
13	<b>Wheels &amp; Tires</b>	<b>Size:</b> 10.00 ~ 11.00 R20 <b>Nos. of Tires:</b> 7 including spare wheel.
14	<b>Fuel Tank Capacity</b>	400 liters



## **SUPERSTRUCTURE / DUMP TRUCK 10M3 CAPACITY**

Description	Minimum Requirement
<b>Volume</b>	10 M3
<b>CONSTRUCTION</b>	Mild Steel body constructed from following thickness sheets with appropriate type of strengthen. Tail gate to open automatically for dumping and locked during travelling. Body Sides: 4.00 mm Body Floor: 8.00 mm Body Front: 4.00 mm Tail Gate: 4.00 mm Sub & Lift Frame: 10.00 mm Reinforcement Channels: 4.00 mm The material of body shall be JIS SS 400 grade steel
<b>PTO</b>	PTO will be according to the chassis. Origin Europe/USA/Japan/Turkey/China or equivalent
<b>Pump Type</b>	Rotary Piston Type with close couple arrangement. Origin Europe/USA/Japan/Turkey/China or equivalent
<b>Pump Flow</b>	60 cc/rev.
<b>Max. continues Pressure</b>	300 bars
<b>Lifting Scissor</b>	Tentuski type scissor locally manufactured.
<b>Lifting capacity</b>	8 ~ 10 Ton
<b>Hydraulic Cylinder</b>	Under Body Hydraulic Cylinder Made from Honed Pipe & Chromed Rod with suitable size locally assembled.
<b>Operating Control</b>	Joy stick type, operating from inside cabin, pneumatically operated, with auto PTO OFF when closing. Origin Europe/USA/Japan/Turkey/China or equivalent
<b>Mechanical Breaking</b>	Mechanical breaking arrangements to avoid pressure when full dumping to avoid free falling of body during closing for safe operations.
<b>Oil Reservoir</b>	With level & temperature gauge Tank Capacity 60 Liters
<b>Filters</b>	On line return filter Suction Filter Breather cap Origin Europe/USA/Japan/Turkey/China or equivalent
<b>Painting</b>	The internal and external surface will be painted free from Rust and Oil Residue. One coats of anti-rust primer base two coats of final paint done with synthetic Enamel. Color of Paint and the Branding / Marking will be done as per customer choice.



## **SPECIFICATIONS OF 0.8 M3 CONTAINER (OPEN TYPE) WITHOUT TOP LID**

The Specifications are given below: -

### Dimensions of Waste Containers (0.8M3)

Height	39" ( 1 meter)
Top width	30"
Bottom width	26"
Front (top)	46"
Front ( bottom)	42"

Sides	GI Sheets	2 mm
Bottom Trays		2 mm
Bottom Channel		3 mm
• <b>Top Channel</b>		<b>3 mm</b>
• <b>Side plates</b>		<b>3 mm ( 8" x 16")</b>
• <b>Side handle</b>		<b>3/4 inch bar</b>
• <b>Heights of handles</b>		<b>800 mm from floor</b>
• <b>Wheels</b>		<b>4 pcs</b>
• <b>Wheels :</b>		<b>Plastic Molded Wheel</b>
• <b>Diameter</b>		<b>6 inches</b>
• <b>Width</b>		<b>1.5 inches</b>
• <b>Emptying Method:</b>		Lifting by rear end loading in Garbage Compactor.
• <b>Branding:</b>		Govt branding on front of the Container (As per Specified Design)
• <b>Reflector</b>		3"x8" Reflector Sticker on each side of container.
• <b>Without Lid / Top Cover</b>		



### CHASSIS / ARM ROLL TRUCK 5M3

Sr.	Item	Description
<b>TRUCK CHASSIS:</b>		
1	<b>Origin</b>	Origin Europe/USA/Japan Assembled in Pakistan
2	<b>Type</b>	RHD, 4x2
3	<b>GVW</b>	8900 ~ 9000 kg
4	<b>Engine</b>	<b>Type:</b> 4 stroke-cycle, water cooled direct injection diesel engine with turbocharger & intercooler. <b>Power:</b> 135 ~ 145 PS <b>Torque:</b> 35 ~ 45 kgf.m <b>Displacement:</b> 3900 ~ 4100 cc
	<b>Emission Standard</b>	<b>Euro-II</b> minimum
5	<b>Clutch</b>	300 mm, Hydraulic control, diaphragm spring, single dry plate.
6	<b>Transmission</b>	5 ~ 6 Forward & 1 Reverse OD transmission
7	<b>Axle</b>	<b>Front:</b> Reverse Elliot "I" beam. <b>Rear:</b> Full floating type.
8	<b>Brakes</b>	<b>Service:</b> Hydraulic with vacuum servo assistance, dual circuit. <b>Exhaust:</b> Vacuum operated, butterfly valve type. <b>Parking:</b> Internal expanding type on propeller shaft at rear of transmission.
9	<b>Dimensions</b>	<b>Wheelbase:</b> 3800 ~ 3900 mm <b>Width:</b> 1950 ~ 2000 mm <b>Length:</b> 6700 ~ 6750 mm <b>Height:</b> 2200 ~ 2250 mm <b>Ground Clearance:</b> 200 ~ 220 mm
10	<b>Electrical</b>	<b>Batteries:</b> 2 x 12 V, 65 AH. <b>Alternator:</b> 24 V, 50 Amp
11	<b>Steering</b>	Ball-nut type with integral type hydraulic power booster. Telescopic and tilt steering column with steering lock.
12	<b>Suspension (Front &amp; Rear)</b>	Semi-elliptic, laminated leaf springs, hydraulic double acting telescopic type shock absorbers on front & rear axles.
13	<b>Wheels &amp; Tires</b>	<b>Tire Size:</b> 7.50-16-14 PR <b>Nos. of Tires:</b> 7 including spare wheel.
14	<b>Fuel Tank Capacity</b>	100 liters



## **TECHNICAL SPECIFICATIONS FOR ARM ROLL TRUCK (5 Cu. M) Super Structure**

<b>PTO:</b>	PTO operated from cabin, close couple arrangement compatible with hyd. Pump and transmission chassis without using cardent shaft. Origin Europe, Japan, USA.
<b>Hydraulic Pump:</b>	50-55CC/rev Piston/gear type with maximum pressure of 350 Kg/cm <sup>2</sup> (Compatible with close couple PTO) Origin Europe, Japan, USA.
<b>Control Valves:</b>	Manual Double acting two-lever control valve 3/8" swg size with pressure relief valve. Pipe and inner rods hard chrome, imported. Origin Europe, Japan, USA, UK.
<b>Lifting Jack:</b>	2 Nos. double acting hydraulic cylinders, imported honed tubes & chromed Rods, locally assembled jacks with Imported Hydraulic Seals.
<b>Sliding Jack:</b>	01 No double acting hydraulic cylinder, imported honed tubes & chromed Rods, locally assembled jacks.
<b>Safety:</b>	Pressure relief valve built in control valve origin Europe, Japan, USA, UK.
<b>Filters:</b>	On return line with replaceable filter.
<b>Hyd. Tank.</b>	60. Lit hydraulic tank with breather cap, inbuilt strainer, return filter and hydraulic tank level gauge. (Tank local with strainer & breather cap) origin Japan/Spain/UK/Germany/Italy.
<b>Lifting Capacity:</b>	3~4 Tons (Exclusive Container)
<b>Sub Frame:</b>	8.00 mm M.S
<b>Cross Member</b>	8.00mm M.S
<b>M Boom</b>	10.00mm M.S
<b>L. Boom</b>	8.00mm M.S
<b>Lifting Arm (Swing)</b>	5.00mm M.S
<b>Guide Roller</b>	200mm Dia Steel Cast
<b>Pack Plate</b>	10.00mm M.S
<b>Safety Lags</b>	5.00 mm M.S
<b>Safety Wheels</b>	100mm Dia Steel Cast

### ***Capacity:***

5 Cubic Meter ( App)

High quality steel reinforced of container by U- Channel 110 x 40 mm





## **CONTAINER 5M3 (OPEN TYPE)** **FOR ARM ROLL TRUCK 5M3**

### **Arm Roll Container 5 m<sup>3</sup>**

The 5 m<sup>3</sup> Container is manufactured from JIS SS400 grade steel and compatible with Arm Roll vehicle having following features: -

The 5 m<sup>3</sup> Container is manufactured from Mild steel ISO 3573 and are compatible with Arm Roll vehicle with following features: -

<b>i.</b>	Body Size	5 M <sup>3</sup>
<b>ii.</b>	Body Type	Arm Roll type with full opening of back door, to allow easy dumping.
<b>iii.</b>	Body Construction	All welded mild steel construction to match with Arm Roll Vehicle.
	a. Floor	Floor Fabricated with 6.0 mm thick MS sheet, reinforced by channels.
	b. Sidewalls	Sidewalls fabricated from 3.25 mm thick MS Sheet, reinforced by channels.
	c. Back Door	Back Door fabricated from 4.0 mm thick MS Sheet, reinforced by channels.
	d. Front	Front side fabricated from 4.0 mm thick MS Sheet, reinforced by channels.
<b>iv.</b>	Lifting Hook	Made from 50.0 mm dia, high carbon steel bar welded with brackets of 12 mm thick MS Plate.
<b>v.</b>	Hook Plate	Made from M S 10.0 mm thick.
<b>vi.</b>	Lifting Locks	The container is to be equipped with Locks to match Arm roll Vehicle.
<b>vii.</b>	Main Frame	C Channel made from 7.0 mm thick
<b>viii.</b>	Support Channel	50 x 100 x 50 mm (2.5 mm thick)
<b>ix.</b>	Wheels	Support caste steel wheels at rear end, dia 150 mm
<b>x.</b>	Support Leg	Box Fabricated from 4.0 mm thick M S sheet.
<b>xi.</b>	Color	One coat of Red Oxide with 2 coats of enamel choice of customer.



## **TRACTOR LOADER WITH DIGGING TEETH**

### **SPECIFICATIONS OF COMMERCIAL TYPE FRONT END LOADER**

bucket located at the end of two long arms with strength and safety. The Commercial Loader is hydraulically powered which provides the necessary power to lift the load.

Bucket Type	Closed Earth Self Leveling Bucket with Digging Teeth
Bucket Volume	0.6 cubic meter
Bucket Size	5.5'
Lifting Time	8-12 sec
Max. Lifting Weight	1000 KG
Operation	Hydraulic-Extra Pump PTO Drive Shaft-9 Plunger
Lifting Height at Pivot Point	11.5 ft
Lift Ram	2 Cylinders
Bucket Ram	2 Cylinders
Control	80 ltr 2 Spool Valve, 210 bar - Imported
Weight	Fixed, Size: L: 34" W: 32" H: 34"
Oil Tank	80 Liter with Oil Filter & Oil Level Gauge



## SPECIFICATIONS OF TRACTOR (85 HP) 4WD

PERFORMANCE	POWER TAKE OFF	TRACK ADJUSTMENT
Maximum engine power @ 2,200 rpm 85 (B.S) hp*	Type Live	Front 1,376 - 1,944 mm
Maximum torque@1,600 rpm 300 Nm	Engine speed @ 540 PTO rpm 1,789 rpm	Rear 1,423 - 2,134 mm
Maximum PTO power at rated engine speed 70hp**	Shaft diameter 35 mm	
* Certified to BS AU 141a	No. of splines 6	<b>WEIGHTS AND DIMENSIONS (*)</b>
** Manufacturer's estimate		(With 12.4/11-24 Front & 18.4/15-30 rear with full fuel, oil & water)
<b>ENGINE</b>	<b>HYDRAULICS</b>	Weight
Make / Type Diesel / 4.41	Functions Draft control, Position control, Response control, Constant Pumping	Gross Weight (Approx.) 2,760 kg
No. of cylinders 4	Pump Type 4 Piston, Ferguson	Dimensions
Injection Direct	Maximum oil flow 16.7 l/min	Overall length 3,810 mm
Bore 101 mm	Maximum pressure 21MPa (205 bars) at normal operating temperature	Overall width (min.) 1,871 mm
Stroke 127.0 mm	Max. lift capacity at lower links horizontal 2,145 kgs	Wheel base 2,350 mm
Capacity 4.1l	Lower Links Cat. 1 & 2 with interchangeable balls	Height
Aspiration natural	<b>FRONT AXLE</b>	Over exhaust 2,485 mm
Compression ratio 15.3:1	Type Parallel drive	Over steering wheel 1,781 mm
Starting aid Thermostat	Engagement Mechanical	Turning Circle
Throttle control hand & foot	<b>STEERING</b>	Without brakes 8,518 mm
Cooling Water	Steering Hydrostatic	Ground Clearance Under gear box 501 mm
Air cleaner type Oil bath	<b>REAR AXLE AND BRAKES</b>	Under 4WD front axle 395 mm
Air pre-cleaner Over bonnet,	Axle Type Straddle with epicyclic reduction unit	<b>CAPACITIES</b>
Fuel filter Dual, high capacity with sedimentor	Brake Type Oil immersed, multi-disc	Fuel tank 108.0 l
Exhaust Vertical, muffler under bonnet	Brake Pedal Pendant	Engine sump 7.5 l
Oil Cooler Water Cooled	Braking area 1,774 sq.cm	Cooling system 15.2 l
	Brakes Actuation Hydraulic	Hydraulic system 47.4 l
	Parking brake Hand lever operated	Power steering reservoir 2.0 l
	<b>INSTRUMENTATION</b>	Oil bath air-cleaner 0.7 l
	Gauges Tachometer, Hourmeter, Fuel level, Battery Condition & Water temperature	Brake Oil 0.25 l
	Warning lights Direction Indicators, Electric charge, Head light main beam, Low engine oil pressure, 4WD Indication light & Auxiliary socket	4WD front axle differential 5.6 l
		Hub each side 1.0 l
<b>ELECTRICS</b>		<b>STANDARD EQUIPMENT</b>
Voltage 12 V, negative earth		Weight frame without weights, Standard tool box with set of tools, Top link, Top link end Cat I & II balls, Check chains, stabiliser chain, Spring suspension seat, Flat top fenders & Operator's and service manual.
Battery 118 Ah		<b>OPTIONAL EQUIPMENT</b>
Alternator / Starter 45 A / 2.8 kw		Front end weights, Swinging drawbar, Sun Canopy, Pintle hook and 9 Hole drawbar.
		<b>OPERATOR AREA</b>
<b>CLUTCH</b>		Seat Cushioned
Type Dual		Fenders Flat top
Diameter 305mm x 254 mm		Tool Standard
Lining material Cerametallic		
<b>TRANSMISSION</b>		
Type Sliding Spur		
Number of gears 8 forward, 2 reverse		
Road speed at 2,200 engine rpm with 18.4 / 15 - 30 rear tyres		
Gear Speed (km/hr)		
Forward 1 (First low) 2.9		
Forward 2 4.2		
Forward 3 5.8		
Forward 4 7.8		
Forward 5 (First high) 11.6		
Forward 6 17.0		
Forward 7 23.13		
Forward 8 31.0		
Reverse 1 (Low) 4.0		
Reverse 2 (High) 15.7		
	<b>TYRES</b>	
	Front 12.4 / 11-24 (12 PR)	
	Rear 18.4 / 15-30 (8PR)	



**SPECIFICATIONS OF TRACTOR  
TOWED MECHANICAL SWEEPER**

1	<b>SWEEPING WIDTH</b>	2250-2350mm
2	<b>SWEEPING SPEED</b>	1/10 km/hr
3	<b>LENGTH</b>	3800 -4200mm
4	<b>WIDTH</b>	1750 MM
5	<b>FRONT BRUSH Ø</b>	750 MM
6	<b>REAR BRUSH Ø</b>	780 MM
7	<b>HOPPER CAPACITY</b>	1600 Liter
8	<b>WEIGHT</b>	1550 kg
9	<b>WATER TANK</b>	500 Liter
10	<b>WATER SPRAY NOZZLES</b>	8 Nos.
11	<b>OPERATED BY</b>	Hydraulic Pump through PTO to be fitted with Tractor.
12	<b>PTO RPM</b>	540
13	<b>POWER REQUIREMENT</b>	33 kw
14	<b>HYDRAULIC TANK CAPACITY</b>	40 Liter
15	<b>TANK FITTINGS</b>	Breather cap with strainer, level & temperature gauge
16	<b>FILTERS</b>	Hydraulic Filters on Suction & Return.
17	<b>TIRE SIZE</b>	6.00-9-10 PR

**CHASSIS / GARBAGE COMPACTOR 7-8 M3**

Sr.	Item	Description
<b>TRUCK CHASSIS:</b>		
1	Origin	Origin Europe/USA/Japan Assembled in Pakistan
2	Type	RHD, 4x2
3	GVW	8900 ~ 9000 kg
4	Engine	<b>Type:</b> 4 stroke-cycle, water cooled direct injection diesel engine with turbocharger & intercooler. <b>Power:</b> 130 ~ 145 PS <b>Torque:</b> 35 ~ 45 kgf.m <b>Displacement:</b> 3900 ~ 4100 cc
	Emission Standard	<b>Euro-II</b> minimum
5	Clutch	300 mm, Hydraulic control, diaphragm spring, single dry plate.
6	Transmission	5 ~ 6 Forward & 1 Reverse OD transmission
7	Axle	<b>Front:</b> Reverse Elliot "I" beam. <b>Rear:</b> Full floating type.
8	Brakes	<b>Service:</b> Hydraulic with vacuum servo assistance, dual circuit. <b>Exhaust:</b> Vacuum operated, butterfly valve type. <b>Parking:</b> Internal expanding type on propeller shaft at rear of transmission.
9	Dimensions	<b>Wheelbase:</b> 3800 ~ 3900 mm <b>Width:</b> 1950 ~ 2050 mm <b>Length:</b> 6700 ~ 6750 mm <b>Height:</b> 2200 ~ 2250 mm <b>Ground Clearance:</b> 210 ~ 220 mm
10	Electrical	<b>Batteries:</b> 2 x 12 V, 65 AH. <b>Alternator:</b> 24 V, 50 Amp
11	Steering	Ball-nut type with integral type hydraulic power booster. Telescopic and tilt steering column with steering lock.
12	Suspension (Front & Rear)	Semi-elliptic, laminated leaf springs, hydraulic double acting telescopic type shock absorbers on front & rear axles.
13	Wheels & Tires	<b>Tire Size:</b> 7.50-16-14 PR <b>Nos. of Tires:</b> 7 including spare wheel.
14	Fuel Tank Capacity	100 liters



**SUPERSTRUCTURE / GARBAGE COMPACTOR 7-8 M3**

Sr.	Parameter	Bid Specifications
1.	<b>General</b>	The garbage compactor consists of a body mounted on the chassis, a tailgate with compression mechanism, an ejection plate inside the body, the hydraulic installation and control mechanism
2.	<b>Dimension &amp; Sheet Thickness</b>	
2.1	Body Inside Height (mm)	1500 - 1650 mm
2.2	Body inside width	1700 - 1900 mm
2.3	Floor	5mm HR 275 or Equivalent
2.4	Side Walls	3.25mm HR 275 or Equivalent
2.5	Roof	3.25mm HR 275 or Equivalent
2.6	Ejection Plate	5mm HR 275 or Equivalent
2.7	Hopper Side Plates	5mm HR 275 or Equivalent
2.8	Hopper Floor plate	8+6 mm HR275 or Equivalent (Double cover)
2.9	Shovel & Sliding Plate	6mm HR275 or Equivalent
2.10	Compression Pressure	110-160 bar
2.11	Working Cycle	10-30SEC
2.12	Body Length	As per chassis ( Total effective volume not less than 7m <sup>3</sup> after ejection Plate excluding hopper) Garbage compactor should able to carry minimum 4- 5 ton of garbage after compression
3	<b>Body</b>	The body is Manufactures from HR 275 Structural steel plates or equivalent
3-1		There is a dirty water tank in front bottom of the body
3-2		The body is mounted on vehicle chassis with elastic/rigid elements keeping in view proper load distribution on chassis. There shall be eye brackets on the body, to be used for dismounting of equipment when needed
3-3		Floor ceiling & side walls shall be reinforced with sufficient profile of sheet metal in HR275 or equivalent
4	<b>Tail Gate</b>	



4-1		Tail gate is connected to the body with top hinges and opened upwards by means of two double acting hydraulic cylinders. It is locked automatically when it is closed by means of same Cylinder self-locking system
4-2		There is a specially formed ceiling element mounted on tail gate to prevent any dirty water leakage from the body.
4-3		There is hopper in the tail gate. The refuse being loaded in the hopper is pressed into the body by means of compression mechanism hopper volume should not Less than 1 Cubic meter
4-4		The compression mechanism consists of a slide & a shovel.
4-5		Movement of the shovel and slide is made by double acting hydraulic cylinders.
4-6		The slide has high density material resistant to wearing out shall be in such a structure that they may be replaced from outside without dismounting sliding bar shoe moving in the rails. There are also centering shoes of the same material to keep it is central position securely.
4-7		There shall be safety valves on back lid cylinders to prevent it from falling due to hose burst
4.8		There is a dirty water tank under hopper.
<b>5</b>	<b>Ejection Plate</b>	
5-1		The ejection plate moves on the rails welded above from the floor to the inner sides of the body
5-2		Ejection plate has high density wear resistant shoes with bolted connection
5-3		Ejection plate moves by means of a double acting 3 stage Telescopic cylinder. It is kept at the rear of the body when it is empty, and moves automatically to the front by means of a counter pressure valve as the refuse is pack in the tail gate
<b>6</b>	<b>Hydraulic Installation</b>	
6-1		Hydraulic power is obtained by means of a hydraulic pump mounted to the pto on the gear box of the truck chassis



6-2		Hydraulic tank has suction filter, return line filter, a venting cover, a level & temperature indicator, a ball valve at suction line and a discharge tap
6-3		All the hydraulic pipes made according to DIN 2391°c, Pressure hoses SAE 100 R2
6-4		All Hydraulic cylinders are made from honed tube & hard chrome plated rods Europe, UK, USA or Japanese. imported Telescopic jack From UK,USA, Europe , China, Turkey, Thailand, Japan,
6-5		Opening-closing of the tailgate and forward-backward movement of the ejection plate are controlled by directional control valve Lever Type mounted in front of the body. The movement of slide, shovel and lifting device mechanism is controlled by electro hydraulic valve with lever system manual over ride (all control valve having minimum flow rate of 80-100 L/min)
6-6		All the valves are of Europe, UK, USA , Turkey , Thailand, or Japanese Origin
6-7		Hydraulic pump closed coupled with PTO 50 ~ 57 cc/rev , 300-350 bar pump pressure maximum plunger/ gear type Europe, UK, USA or Japanese origin
6-8		PTO to drive hydraulic pump shall controlled from inside of cab electrically or electric over Vacuum type. Europe, UK, USA or Japanese
<b>7.1</b>	<b>CONTAINER LIFTING DEVICE</b>	There is a container lifting device powered by double acting hydraulic cylinders to lift and tilt refuse containers.
7.2		Capable to lift 0.8 cubic meter bin lifting capacity 600 kg
<b>8</b>	<b>ACCESSORIES</b>	
8-1		Container lifting system for refuse containers
8-2		Hinged safety bar between the tailgate and the Rear light for night works.
8-3		Two foldable operator steps at the rear with safety bars
8-4		Beacon lamp
8-5		Mudguards and rubber flaps
8-6		Driver buzzer
8-7		Foldable side barrier.





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8-8		Cover metal sheet on back cover side walls
<b>9</b>	<b>OPERATING SEQUENCE</b>	
9-1		Refuse is loaded into the hopper by means of the container lifting device then it is pressed into the body by the slide-shovel mechanism working in sequence through auto cycle action
9-2		Working sequence is provided by microchip control printed electronic card, limit and pressure switches and buttons control should provided: a) Individual Action b) One full cycle c) Continuous Auto cycle
9-3		There are start, stop, rescue, driver signal and engine accelerating buttons on the control box.
9-4		When the rescue button is pressed the compression cycle movement reverses and stops at the beginning position.
9-5		The refuse is discharged by means of the ejection plate after opening the tailgate
<b>10</b>	<b>Painting</b>	After being cleared from rust & greased via sanding/washing method , whole structure shall be painted with prime paint and last layer paint in desired color
<b>11</b>	<b>Warranty</b>	
11.1		Compactor is guaranteed for 2 years for any bad material and workmanship except misusing & lack of maintenance.
<b>12</b>	<b>Documents</b>	
12.1		One copy of spare parts & operation & maintenance manual will be given in English at delivery
<b>13</b>	<b>Literature &amp; Drawing</b>	Bidder must Submit all technical data for Hydraulic Pump, PTO, Control Valve, Cylinders, and Proposed Design & Drawings along with Bid.



## **Hand Cart**

### **Tub Frame Specification**

Height of Frame	20 Inch
Width of Frame	24 Inch
Length of Frame	45.5 Inch
Angle Iron MS	1.5"x1.5"x1.5"

### **Handle Specification**

Height of Handle from Floor	31 Inch
Width of Handle	24 Inch
Length of Handle	24 Inch
Angle Iron MS	1.5"x1.5"x1.5"

### **Tub Specification**

#### **01 No of Tub**

Tub Width	24 Inch
Tub Length	45.5 Inch
Tub Depth Curved	20 Inch
Reinforced with Angle Iron	1.25 Inch
Tub of 1.5 mm thick Galvanized Sheet	

### **Wheel Specification**

Wheel Diameter	16 Inch
With Bearing 6205, Connection Rod 1 Inch Diameter, Shaft with Nuts & Tyre Rubber	

### **Paint**

Frame Enamel Paint



## SPECIFICATION

Name	SIWA Road Washer	
Engine Type (Heavy Duty)	163ml 4 Stroke (200cc) Water Cooling System	
Engine Oil Capacity	1.5 Ltr	
Transmission	4~5 Forward + 1 Reverse	
Chassis	Steel structure welding chassis, phosphate anti rust treatment	
Front Suspension	Heavy duty front double shocks observer	
Rear Suspension	Heavy duty Leaf Spring & rear shocks observer	
Brake (front / Rear)	Front Mechanical / Rear Hydraulic with Hand Brake	
Wheel / Tyre Size	1 Front & Rear Double Tyre, 12"	
Lights & Signals	Headlight + turn signal indicators + brake light + reversing light + reverse horn	
Ignition	CDI	
Battery	12V	
Seating Capacity	1+1+1, Foam Seats, Water proof leather	
Dimensions (L X W X H)	3360 X 1410 X 1730 MM	
Wheel Track	1220 MM	
Wheel Base	2270 MM	
Turning Circle	731 CM	
Water Tank	Sheet: S.S Nonmagnet Food grade tank, rust proof Capacity: 1500 + - 50 Ltr	
Washer Engine Type	Air Cooled, 4 Stroke, OHV, Single Cylinder	
Washer Engine Power	5.1 kw / 7.0 Hp	
Washer Engine Fuel Capacity	3.6 L	
Pump Pressure (kg. cm3)	21-35	0-10
Suction (L/Min)	14	20
R.P.M	500	1200
Power	Motor	1.2 Hp
	Engine	3.5~4 Hp
Flushing Mode	Rear Flushing with nozles & Handheld Flushing Gun	
Handheld Flushing Pipe (L)	100' Feet	
Color	Fuel Tank with side covers: Red Box: Customized	





## CHASSIS FOR MINI DUMPER / SUZUKI RAVI (WITHOUT DECK)

Overall length	3,234 mm (127.3 in)
Overall width	1,395 mm (54.9 in)
Overall height	1,650 mm (65.0 in)
Wheelbase	1,840 mm (72.4 in)

Curb weight	650 kg (1,433 lbs)
Seating capacity	2 persons
Maximum loading capacity	700 kg (1,323 lbs) -

### PERFORMANCE

Maximum horsepower	27.5 kW (37.0 HP) at 5,000 rpm (SAE•NET)
Maximum torque	62.0 N.m (6.32 kg-m, 41.9 lb-ft) at 3,000 rpm (SAE•NET)

### ENGINE

Type	Water-cooled, OHC & EFI
Number of cylinders	3
Bore	68.5 mm
Stroke	72.0 mm
Piston displacement	796 cc
Distributorless Ignition (DLI)	

### POWER TRANSMISSION

Transmission type 4-forward all synchromesh, 1-reverse

### WHEEL AND SUSPENSION

Wheel rim	Steel
Tyre size (tube type)	4.5-12
Suspension type, front	Strut
rear	Leaf Spring

### STG

Turning radius 4.1 m (13.5 ft)

### CAPAIES

Fuel tank 36 L

### SAFETY

Seat belt	Front
Immobilizer	Remote Type



**SUPER STRUCTURE**  
**MINI DUMPER 1 CUBIC METER**

Sr.	Parameter	Description
1.	Capacity	1 Cubic Meter
2.	Body Sides	2mm MS sheets. With stiffener for additional strength without increasing the weight of the body. Round profile near the floor joint to avoid Corrosion and to assist the emptying of the container.
3.	Body Floor	2.5mm MS sheet. Single piece floor for added corrosion protection and built in Cab protector.
4.	Floor Stiffeners	3.0 mm thick "U" profile throughout the length of the floor for strengthening the floor at lifting points.
5.	Sub Frame	Rectangular Pipes 1.5X 3 x inch 5mm, suitably mounted on the pickup chassis. The Frame is mounted on the same cargo deck brackets originally installed by chassis manufacturer, to maintain strength of the chassis. Sub frame attached to the chassis with High Tensile strength Nuts and Bolts along with Canvas Rubber Padding.
6.	Tipping Angle	80-90 Degrees. Allows complete emptying of the container.
7.	Tipping Height	Tipping Height of the body allows the waste to be emptied into a standard Compactor hopper
8.	Paint	All Steel part surfaces free from Rust and Oil Residue. Two coats of Zinc Based Epoxy Primer and two coat of final paint done with 2 components Poly-Urethane based Paints.
9.	Leave Spring	7 Nos on each rear side
<b>Hydraulic System</b>		
1.	Hydraulic Power Pack	Hydraulic Pump 2.0cc/Rev to 3.0 cc/ rev DC Motor 1.2kw, to 1.5 kW Tank Capacity 7 to 10 Liter tank with top & side cover Europe, UK, USA, Turkish or Japanese origin
2.	Pressures	100-220 bar
3.	Hydraulic Hoses	Double Braided ISO 100 R2 type hydraulic hoses with burst pressure twice as much as the working pressure.
4.	<b>Hydraulic Flow Line</b>	Pressure flow line should be of metal pipes of smaller dia.
<b>Hydraulic Cylinders</b>		
1.	Lifting Cylinders	2 Nos Double Acting Hydraulic Cylinders made from Imported Hard Chromed Rods and Honed Tubes of Europe, UK, USA or Japanese origin. Imported Hydraulic Seals for efficient and long life of the cylinders. Special Viper seals for dusty local conditions. All Hydraulic Cylinders are equipped with hose burst protection; by the means of Pilot operated check valves.



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2	Lifting Capacity	Waste carrying capacity i.e. 400 – 500 kg Lifting capacity should be 1.5 times of waste carrying capacity.
3.	Stabilizing Cylinders/ outriggers	2 Nos Double Acting Hydraulic Cylinders should work simultaneously made from Imported Hard Chromed Rods and Honed Tubes of Europe, UK, USA, Turkish or Japanese origin. Imported Hydraulic Seals for efficient and long life of the cylinders. Special Viper seals for dusty local conditions.
4.	Electrical System	12Volt Electrical System. Weather Proof Control Panel with high quality imported switches. Single / double action tipping operation. Operated from driver side outside the cabin.
<b>Accessories</b>		
1.	Mudguards	Two strong MS mudguards that can carry the weight of helper worker (it may use as paidaan) with rubber flaps at the rear end. Reflective strips on the rear end of the mudguards.
2.	Rotating Beacon	One Rotating Beacon Light on the Cabin.
3.	Working Light	One working light for night time operations.
4.	Grill for Rear Lights	For Protecting the Rear Lights.
5.	Safeguard (Bumpers)	Safeguard should be installed at front of vehicle
6.	Fuel Tank	Fuel tank should be covers with sheet.



## **TECHNICAL SPECIFICATIONS OF TIPPING TROLLEYS**

<b>Sr. No.</b>	<b>Description</b>	
<b>1</b>	<b>Capacity</b>	8-10 Tons
<b>2</b>	<b>Vessel Size</b>	Length: 12ft, width 6ft, height 2.5ft
<b>3</b>	<b>Chassis frame</b>	10 x3 channel type (lower frame)
<b>4</b>	<b>Floor</b>	4mm
<b>5</b>	<b>Sides</b>	3.25mm
<b>6</b>	<b>Cross Members</b>	Channel 3 x1.5 (12 nos.)
<b>7</b>	<b>Side Supports</b>	Steel box4 x1.5 (6 nos. each side)
<b>8</b>	<b>Axle</b>	6 x 3/8 (round pipe, imported)
<b>9</b>	<b>Hubs</b>	Brand new steel casting.
<b>10</b>	<b>Bearings</b>	Two new bearings with grease pack (each side)
<b>11</b>	<b>Rims Tires</b>	9.00x20(4nr) Ceat/MRF/General
<b>12</b>	<b>Tipping Angle</b>	55 degree
<b>13</b>	<b>Paint</b>	Suitable enamel paint in any desire shade
<b>14</b>	<b>Hydraulic System</b>	
	<b>Hydraulic Cylinder</b>	Imported Honed Tube
	<b>Shafts</b>	Imported induction hard Chrome Plated
	<b>Seal Kit</b>	Imported
	<b>Quick Couplers:</b>	Quick de-attachable hydraulic couplers to de-attachthe Tractor & Trolley without wastage of hydraulic oil
	<b>Hydraulic Hose</b>	½" BSP, Double wire braid hose with Imported endfittings Working Pressure 300 bar





## **SPECIFICATIONS**

### **1. MINIMUM SPECIFICATIONS OF WEIGHBRIDGE EQUIPMENT AND INSTALLATION**

1. Commission and installation of complete weighbridge on designated site
2. Pitless weighbridge platform size 30'x10'
3. Weighbridge consists of Nos. 04 modules size of each 15'x5'
4. Weighbridge capacity 60 Metric Tons.
5. Main girders Nos. 07, 'H' Beam Size 8"x8"x30 feet
6. Main girders Nos. 01, 'H' Beam Size 10"x10"x30 feet
7. MS plate 12mm thick plane
8. Load cell plates Nos. 06, size 12"x10" and Nos. 06 size 8"x8"
9. Channel Nos. 02, size 8"x2 1/2" x30feet
10. All the accessories for fitting /installation of steel structure nuts/bolt etc. at site
11. Load cells Nos. 06, capacity of each 40 tons
12. Weighing indicator Nos.01
13. Junction box Nos. 01 with variation card
14. 01x complete computer (Core i5) set 13th generation including 19 inches LED, LaserJet printer (official not grey) with 4x toner cartridge, receipt printer (Thermalprinter with 100 roles), original licensed windows (OS), keyboard and mouse.
15. IP camera Nos. 03, 4MP each
16. Ramp No. 02, 20 feet on both side of weighbridges (R.C.C), 01 feet thickness, Nos.06 Load cell columns size 3'x3' depth 4', floor underneath the platform (R.C.C), Drain for flooding water. as per client approved design
17. Weighing software development and installation with data integrators, data must be pushed over internet to database server installed at Head Office
18. Weighbridge backup equipment. 03 load cells, 01 indicators and 01 junction box, the contractor will maintain backup equipment.
19. Complete job as per client requirement
20. Angle iron frame size 3 inch, around the weighbridge
21. Nut & Bolt double check nuts with washers
22. Industrial epoxy paint at complete structure of weighbridge
23. Earthing (Grounding) of weighbridge
24. All necessary accessories will be included
25. Minimum 03 years' warranty and support, extendable for another 03 years with the mutual consent of both parties.

### **2. MINIMUM SPECIFICATIONS OF RFID SYSTEM, CCTV EQUIPMENT AND INSTALLATION**

1. Commission and installation of complete RFID system on designated site
2. IP67 2x RFID integrated reader, long range at least 15 meters with RJ 45port, must have Ethernet and serial port connectivity. Frequency 886MHz
3. 1x LG-2000 Vehicle Tag Register Scanner
4. 1x POE switch with 16 ports NETGEAR / any similar brand, POE power





- must be enough/compatible to attached equipment working
5. LAN cable outdoor waterproof STP/UTP, PVC Duct, Cable Ties, IP65 housing, rack switch cabinets dual section, RJ 45 Connectors as per actual
  6. 1x Boom barrier / Lady Barrier
  7. 2x traffic signal lights (Green and Red)
  8. RFID system will be operated on free frequency, must not be conflicted with relevant authority i.e. Frequency Allocation Board (FAB)/PTA etc.
  9. 01x complete computer (Core i5) set 12<sup>th</sup> generation including 19 inches LED, 16GB RAM, 500SSD, 1TB HDD, original licensed windows (OS), keyboard and mouse.
  10. Rack switch cabinets with dual section
  11. The contractor will maintain backup equipment to meet emergency repair work
  12. 200x RFID tags compatible with proposed RFID system
  13. Complete installation of CCTV, 08x 4MP IP Cameras over POE, 1x NVR - Hikvision 08 Channels, 1TB Hard Disk, smart 32 inches LED for display, CCTV can be accessible in remote control room may be situated in Head office/other offices
  14. All necessary accessories will be included, and fitting installations will be completed as part of the job. RFID System (complete trunk key solution with software and data integrator, data must be pushed over internet to data base server installed at Head Office) and backup of data will be on site.
  15. Minimum 03 years' warranty and support, extendable for another 03 years with the mutual consent of both parties.

### 3. MINIMUM SPECIFICATIONS OF INTERNET SERVICES AND ELECTRIC POWER SUPPLY EQUIPMENT AND INSTALLATION

1. Internet of 06Mbps CIR (Committed information rate) bandwidth on site OR if CIR is not available then 25Mbps shared bandwidth required.
2. Internet device EVO 100GB data for internet backup, must operate on site
3. 01x 3KVA UPS with 02x 100Amp dry batteries
4. 01x 10KVA Generator, fuel arrangements, generator maintenance
5. 01x 3KVA AVR (Automatic Voltage regulator)
6. Surge protectors for the safeguard of equipment
7. 01x AC, 1.5 tons cooling capacity
8. All equipment must be grounded/Earthing
9. Minimum 03 years warranty and support, extendable for another 03 years with mutual consent of both parties.

Contractor must be careful about the VTCS based issues

- **Data Mismatches:** Inaccuracies in trip counts because of RFID's Tags, sensor malfunctioning
- **Integration Problems:** Issues with syncing data with other systems.
- **Sensor Failures:** Malfunctions in trip counting sensors and RFID Tags frequency issues
- **User Training:** Inadequate training leading to misuse or errors in data entry.