

# Standard Bidding Document

REQ-0525-1-00013(LP/T-2399/26/FA) 1. HIRING OF SERVICES FOR INSTALLATION, COMMISSIONING AND TEST RUN OF COMPLETE EFFLUENT TREATMENT PLANT 2. PROJECT SUPPLY – EFFLUENT TREATMENT PLANT (AS PER BOQ)  
(Goods)

National

Single Stage-Two Envelope

<b>CORRIGENDUM # 2</b>	<b>CORR-P10058-002</b>
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*March 19, 2026*

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# Table of Contents

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<b>Instructions to Bidders</b> .....	3
<b>Bid Data Sheet</b> .....	23
Bids Data Sheet (BDS) .....	24
Eligibility Criteria .....	30
Evaluation Criteria .....	31
Items/Lots .....	34
Related Services of Goods: .....	35
Items/Lot Specification .....	35
Price Schedule .....	36
<b>General Conditions of Contract</b> .....	39
<b>Special Conditions of Contract</b> .....	50
<b>Bid Securing Declaration</b> .....	56
<b>Contract Form</b> .....	58
<b>Integrity Pact</b> .....	61
<b>Performance Guarantee Form</b> .....	63
<b>Annexure</b> .....	65
(Annex - A) BOQ + Terms & Conditions Final .....	66
(Annexure-B) Final Process Flow Diagram .....	66
(Annexure-C) Sample Cost sheet for OPEX calculations .....	66
(Annexure-D) Site for ETP Installation .....	66
(Annexure - E) - Affidavit for Bidder's Blacklisting Status .....	66

Annex - F (Ownership Declaration) .....	67
(Annex – G) – Manufacturer’s Authorization Form .....	67
(Annex – H) – Code of Conduct & Undertaking .....	67
(Annex – I) Undertaking for Compliance with HSE .....	67
(Annex – J) – Non-Disclosure Agreement .....	67
(Annex – k) – Contract Forms .....	68
(Annex – L) – Integrity Pact .....	68
(Annex – M) – Performance Guarantee Form .....	68
<b>Procurement Forms</b> .....	<b>69</b>
Past Experience and Completed Contracts .....	1
Historical Contract Non-Performance, and Pending Litigation and Litigation History .....	1
Current Contracts and Their Progress .....	1
Average Annual Turnover .....	1
<b>Additional Forms and Documents</b> .....	<b>72</b>

## INVITATION TO BIDS PROCUREMENT OF GOODS

1. The **Pakistan Security Printing Corporation (Pakistan Security Printing Corporation)** has reserved Funds for the procurement planned for FY 2025-26. The **Pakistan Security Printing Corporation (Pakistan Security Printing Corporation)** intends to apply part of the proceeds of this Fund to cover eligible payments under the contract for the "**REQ-0525-1-00013(LP/T-2399/26/FA) 1. HIRING OF SERVICES FOR INSTALLATION, COMMISSIONING AND TEST RUN OF COMPLETE EFFLUENT TREATMENT PLANT 2. PROJECT SUPPLY - EFFLUENT TREATMENT PLANT (AS PER BOQ)**".

2. The **Pakistan Security Printing Corporation (Pakistan Security Printing Corporation)** invites E-bids from eligible Bidders for procurement of goods described in the bidding documents on **EPADS v2.0**.

3. **Single Stage-Two Envelope** will be used by adopting **Quality and Cost Based Selection (QCBS)** Technique for the subject procurement, in line with the Public Procurement Rules, 2004 and any Regulations, Regulatory Guides, Procurement Guidelines or Instructions issued by the Authority from time to time.

4. All Bids must be accompanied by a Bid Security amounting described in Bid Security Section in Bidding Document in the form of **Pay Order, Bank Guarantee, Others**. Where **Bid Security** is not required by the **Procuring Agency**, Bidders are required to furnish **Bid Security Declaration** as specified in Bidding Document.

5. E-Bidding documents, containing detailed terms & conditions, specifications and requirements etc. are available on **e-Pak Acquisition and Disposal System (EPADS)** at <https://vendors.epads.gov.pk/>.

6. Bidder(s) are required to get themselves registered on **EPADS v2.0** on or before **Friday, April 3, 2026 11:00 AM**. E-bids will be opened using **EPADS v2.0** on the same day at **Friday, April 3, 2026 11:30 AM**. Manual submission of Bids shall not be entertained. Those vendors who have not yet registered on the new version of **EPADS v2.0**, may register themselves on <https://vendors.epads.gov.pk/>. A tutorial to explain the registration process is

available at <https://www.youtube.com/watch?v=MNW6T38v7tc>

7. In terms of Rules 48 of Public Procurement Rules, 2004 Grievance Redressal Committee (GRC) is notified for the subject procurement and notification copy is available on the procuring agency's website and on Authority's website at ([www.ppra.org.pk](http://www.ppra.org.pk)).

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## Instructions to Bidders

## A. Introduction

### 1.Scope of Bids

1.1 The Procuring Agency (PA), as indicated in the **Bids Data Sheet (BDS)** invites Bids **through EPADS v2.0** for the provision of Goods for as specified in the BDS and **in Section V - Evaluation Criteria, Specifications & Schedule of Requirements**. The name, identification, and number of items/deliverables are provided in the **BDS**. The successful Bidders will be expected to provide the goods within the specified period and timeline(s) as stated in the **BDS**.

### 2. Source of Funds

2.1 Source of funds is referred in Clause-1 of Invitation for Bids.

### 3. Eligible Bidders

3.1 A Bidder may be natural person, company or firm or public or semi-public agency of Pakistan or any foreign country, or any combination of them with a formal existing agreement (on Judicial Papers) in the form of a joint venture, consortium, or association. In the case of a joint venture, consortium, or association, all members shall be jointly and severally liable for the execution of the Contract in accordance with the terms and conditions of the Contract. The joint venture, consortium, or association shall nominate a Lead Member as nominated in the BDS, who shall have the authority to conduct all business for and on behalf of any and all the members of the joint venture, consortium, or association during the Bidding process, and in case of award of contract, during the execution of the contract.

3.2 Verifiable copy of the agreement that forms a joint venture, consortium or association shall be required to be submitted as part of the Bid.

3.3 The appointment of Lead Member in the joint venture, consortium, or association shall be confirmed by submission of a valid Power of Attorney to the Procuring Agency.

3.4 Any bid submitted by the joint venture, consortium or association shall indicate the part of proposed contract to be performed by each party and each party shall be evaluated (or post qualified if required) with respect to its contribution only, and the responsibilities of each party shall not be substantially altered without prior written approval of the Procuring Agency and in line with

any instructions issued by the Authority.

*(The limit on the number of members of JV or Consortium or Association may be prescribed in BDS, in accordance with the guidelines issued by the PPRA).*

3.5 The invitation for Bids is open to all prospective suppliers, manufacturers, or authorized agents / dealers subject to any provisions of incorporation or licensing by the respective national incorporating agency or statutory body established for that particular trade or business. Procuring agencies shall specify the registration/licensing requirements for the foreign bidders keeping in view the requirement of that business.

3.6 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:

1. 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 Goods to be purchased under this Invitation for Bids.
2. have controlling shareholders in common; or
3. receive or have received any direct or indirect subsidy from any of them; or
4. have the same legal representative for purposes of this Bid; or
5. 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 Bids of another Bidder, or influence the decisions of the Procuring Agency regarding this Bidding process; or
6. Submit more than one Bid in this Bidding process.

3.7 A Bidder may be ineligible if –

1. he is declared bankrupt or, in the case of company or firm, insolvent;
2. 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 dispose of its property;

3. the Bidder is convicted, by a final judgment, of any offence involving professional conduct;

4. the Bidder is blacklisted locally or by international organizations and hence debarred due to involvement in corrupt and fraudulent practices, or performance failure or due to breach of Bid securing declaration.

3.8 As and when required, 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.

3.9 Bidders shall submit Bids relating to the nature, conditions and modalities of sub-contracting wherever the sub-contracting of any elements of the contract amounting to more than ten (10) percent of the Bid price is envisaged.

## 4. Eligible Goods and Related Services

4.1 All goods and related services to be supplied under the contract shall have their origin in eligible source countries, and all expenditures made under the contract will be limited to such goods and services. For purpose of this Bid, ineligible countries are the countries declared ineligible by the Federal Government.

## 5. One Bid per Bidder

5.1 A bidder shall submit only one Bid, in the same bidding process, either individually as a Bidder or as a member in a joint venture or any similar arrangement.

5.2 The Bidder shall not engage a subcontractor for any portion of the contract if the value of such subcontracting exceeds thirty percent (30%) of the total contract amount.

## 6. Cost of Bidding

6.1 Any cost incurred by the bidder relating to the preparation and submission of its Bid shall be borne by the bidder, 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.

## B. Bidding Documents

## 7. Contents of Bidding Document

7.1 The Goods required, Bidding procedures, and terms and conditions of the contract are prescribed in the Bidding Documents. In addition to the Invitation for Bids, the Bidding documents which should be read in conjunction with any addenda issued in accordance with **ITB 9.1** include:

**Section I** -Invitation to Bids

**Section II** Instructions to Bidders (ITB)

**Section III** Bid Data Sheet (BDS)

**Section IV** Evaluation Criteria, Specifications, Schedule of Requirements

**Section V** Bid Forms

**Section VI** General Conditions of Contract (GCC)

**Section VII** Special Conditions of Contract (SCC)

**Section VIII** Contract Forms

7.2 The Bidder is expected to examine all instructions, forms, terms and specifications in the Bidding documents. Failure to furnish all the information required in the Bidding documents through **EPADS v2.0** will be at the Bidder's risk and may result in the rejection of his Bids.

## 8. Clarification of Bidding documents

8.1 A prospective Bidder requiring any clarification of the Bidding documents may notify the Procuring Agency through **EPADS v2.0**.

8.2 The Procuring Agency will within three (3) working days after receiving the request for clarification, respond to any request for clarification through **EPADS v2.0** provided that such request is received not later than three (03) days prior to the deadline for the submission of Bids as prescribed in **ITB 22**

8.3 Copies of the Procuring Agency's response will be forwarded to all identified Prospective Bidders through **EPADS v2.0**, including a description of the inquiry, but without identifying its source.

8.4 Should the Procuring Agency deem it necessary to amend the Bidding document as a result of a clarification, it shall do so following the procedure under **ITB 9**.

8.5 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 document.

8.6 Minutes of the pre-Bid meeting, if applicable, 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 uploaded on **EPADS v2.0**. Any modification to the Bidding documents 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 9**. Non-attendance at the pre-Bid meeting will not be a cause for disqualification of a Bidder.

## 9. Amendment of Bidding documents

9.1 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 documents by issuing addenda through **EPADS v2.0**.

9.2 The Procuring Agency shall promptly publish the addendum through **EPADS v2.0**.

9.3 Any addendum issued including the notice of any extension of the deadline shall also be communicated through EPADS v2.0 to all the bidders who have already submitted their bids. Such bidders shall have the right to withdraw their already submitted bid and re-submit the revised bid prior to the original or extended bid submission deadline.

9.4 To give prospective Bidders reasonable time in which to take an addendum/corrigendum into account in preparing their Bids, the Procuring Agency may, at its discretion, extend the deadline for the submission of Bids through **EPADS v2.0**:

Provided that the Procuring Agency shall extend the deadline for submission of Bids, if such an addendum is issued within last three (03) days of the Bids submission deadline.

## C. Preparation of Bids

## 10. Language of Bid

10.1 The Bid prepared by the bidder, as well as all correspondence and documents relating to the Bids exchanged by the Bidder and the Procuring Agency shall be written in the English language unless otherwise specified in the BDS. Supporting documents and printed literature furnished by the Bidder may be in another language provided they are accompanied by an accurate translation of the relevant pages in the English language unless otherwise specified in the **BDS**, in which case, for purposes of interpretation of the Bidder, the translation shall govern.

## 11. Documents and samples Constituting the Bid

**11.1 The Bid prepared by the Bidder shall constitute** the documents required in the **BDS**.

Details of sample(s) where applicable and requested in the BDS.

1. Documentary evidence established in accordance with ITB that the Bidder is eligible and/or qualified for the subject bidding process;
2. Documentary evidence establish that the Bidder has been authorized by the manufacturer to deliver the goods into Pakistan, where required and where the supplier is not the manufacturer of those goods;
3. Documentary evidence establish that the goods and related services to be supplied by the Bidder are eligible goods and services, and conform to the Bidding Documents;
4. Bid security or Bid Securing Declaration furnished in accordance with **ITB 18**.

## 12. Documents Establishing Eligibility of the Goods and Conformity to Bidding documents

**12.1**To establish the conformity of the bidder to the Bidding document, the Bidder shall furnish as part of its Bids the documentary evidence that Goods provided conform to the technical specifications and standards.

## 13. Documents Establishing Eligibility and Qualification of the Bidder

**13.1** The Bidder shall furnish, as part of its Bid, all those documents establishing the Bidder's eligibility to participate in the Bidding process and/or its qualification to perform the contract if its Bid is accepted.

## 14. Form of Bids

**14.1** The Bidder shall fill the Form of Bid furnished in the Bidding documents. The Bids Form must be completed without any alterations to its format and no substitute shall be accepted.

## 15. Bids Prices

15.1 The Bids Prices quoted by the Bidder in the Form of Bid and in the Price Schedules shall conform to the requirements specified below or exclusively mentioned hereafter in the Bidding documents.

15.2 All items in the Schedule of Requirement must be listed and priced separately in the Price Schedule(s). If a Price Schedule shows items listed but not priced and neither explicitly denied, their prices shall be construed to be included in the prices of other items.

15.3 Items not listed in the Price Schedule shall be assumed not to be included in the Bid, and provided that the Bid is still substantially responsive in their absence or due to their nominal nature, the corresponding average price of the respective item(s) of the remaining substantially responsive Bidder(s) shall be construed to be the price of those missing item(s)

15.4 The Bid price to be quoted in the Form of Bid in accordance with **ITB 14.1** shall be the total price of the Bid.

15.5 The Bidder shall indicate on the appropriate Price Schedule, the unit prices (where applicable) and total Bid price of the Goods it proposes to provide under the contract.

15.6 Prices quoted by the Bidder shall be fixed during the Bidder's performance of the contract and not subject to variation on any account. A Bid submitted with an adjustable price will be treated as non-responsive and shall be rejected.

## 16. Bids Currencies

16.1 Prices shall be quoted in Pakistani Rupees unless otherwise specified in the BDS in accordance with Rule 30(2) of the Public Procurement Rules, 2004.

## 17. Bids Validity Period

17.1 Bids shall remain valid for the period specified in the **BDS** after the Bid submission deadline prescribed by the Procuring Agency. A Bid valid for a shorter period shall be rejected by the Procuring Agency as non-responsive. The period of Bid validity will be determined from the complementary Bid securing instrument, i.e. the expiry period of Bid Security or Bids Securing Declaration as the case may be.

17.2 The procuring agency shall ordinarily be under an obligation to process and evaluate the bid and to issue letter of award within the stipulated bid validity period.

17.3 Under exceptional circumstances, prior to the expiration of the initial Bid validity period, the Procuring Agency may request the Bidders' consent to an extension of the period of validity of their Bids only once through **EPADS v2.0**, for the period not more than the period of initial bid validity. The Bid Security provided under **ITB 18** shall also be suitably extended. A Bidder may refuse the request without forfeiting its Bid security or causing to be executed its Bid Securing Declaration. A Bidder agreeing to the request will not be required nor permitted to modify its Bid, but will be required to extend the validity of its Bid Security or Bid Securing Declaration for the period of the extension.

## 18. Bid Security or Bid Securing Declaration

18.1 The Bidder shall furnish as part of its Bid, a Bid Security in accordance with the Rule 25 of the Public Procurement Rules, 2004.

18.2 The original Bid Security shall be enclosed within the sealed envelope and to be submitted physically before closing time for submission of bids. Whereas, scanned copy of bid security shall be uploaded electronically through EPADS v2.0 before closing hours for submission of bids.

18.3 The Bidder who failed to submit the original Bids security before the submission deadline shall be disqualified straightaway.

18.4 The Bid Security or Bid Securing Declaration is required to protect the Procuring Agency against the risk of Bidder's conduct which would warrant the security's forfeiture, pursuant to **ITB 18.7**.

18.5 The Bid Security shall be denominated in the local currency, and it shall be a Bank Draft in the name of the Procuring Agency and valid for twenty-eight (28) days beyond the end of the validity of the Bid. This shall also apply if the period

for Bids/Bid Validity is extended. In either case, the form must include the complete name of the Bidder.

18.6 The Bid Security shall be payable promptly upon written demand by the Procuring Agency in case any of the conditions listed in **ITB 18** are invoked.

18.7 Unsuccessful Bidders' Bid Security will be discharged or returned as promptly as possible, however in no case later than thirty (30) days after the expiration of the period of Bids Validity prescribed by the Procuring Agency pursuant to **ITB 17**. The Procuring Agency shall make no claim to the amount of the Bid Security, and shall promptly return the Bid Security document, after whichever of the following that occurs earliest:

1. the expiry of the Bid Security;
2. the entry into force of a procurement contract and the provision of a Performance Guarantee, for the performance of the contract if such a guarantee, is required by the Bid documents;
3. the rejection by the Procuring Agency of all Bids;
4. the withdrawal of the Bids prior to the deadline for the submission of Bids, unless the Bids documents stipulate that no such withdrawal is permitted.

18.8 The successful Bidder's Bids Security will be discharged upon the Bidder signing the contract, or furnishing the Performance Guarantee.

18.9 The Bid Security may be forfeited or the Bid Securing Declaration executed:

1. if a Bidder:
  2. withdraws its Bid during the period of Bid Validity as specified by the Procuring Agency, and referred by the Bidder on the Form of Bids except as provided for in **ITB 17.2**; or
  3. does not accept the correction of errors; or
  4. in the case of a successful Bidder, if the Bidder fails:
    5. to sign the contract; or
    6. to furnish Performance Guarantee.

## 19. Withdrawal, Substitution, and Modification of Bid

19.1 Before Bid submission deadline, any Bidder may withdraw, substitute, or modify its Bid after it has been submitted through EPADS v2.0. Bids requested to be withdrawn, shall be returned unopened to the Bidders through **EPADS v2.0**.

## 20. Format and Signing of Bid

20.1 The Bidder shall prepare and submit Bids with due diligence after carefully reading all the terms and condition **before bid submission deadline** through EPADS v2.0.

## D. Submission of Bids

### 21. Submission of Bids through EPADS v2.0

21.1 The Technical and Financial Bids if required to submitted, shall be submitted on **EPADS v2.0**.

### 22. Deadline for Submission of Bids

22.1 Bids shall be received by the Procuring Agency through **EPADS v2.0** before bid submission deadline.

22.2 The Procuring Agency may, under exceptional circumstances, extend the deadline for the submission of Bids, after recording reasons in writing and in an equal opportunity manner.

In such case, all rights and obligations of the Procuring Agency and the Bidders that were previously governed by the original deadline shall thereafter be subject to the revised deadline.

## E. Opening and Evaluation of Bids

### 23. Opening of Bids

23.1 The Bid Evaluation Committee of the Procuring Agency shall open all Bids through the EPADS v2.0, on the date and time specified in the Bid Data Sheet (BDS).

23.2 The Bid Evaluation Committee **shall generate minutes through EPADS v2.0 containing brief details of bid opening process.** The record of the Bid opening shall include, as a minimum: the name of the Bidder, the Bid price if applicable, and the presence or absence of a Bid Security or Bid Securing Declaration.

23.3 The procuring agency shall live broadcast the opening of bids on national media or on their website or digital channels, if the volume of procurement exceeds five hundred million rupees in case of goods and services and one thousand million rupees in case of works.

23.4 In case the date of opening of bid has been declared as public holiday or the procuring agency fail to open bid due to any EPADS v2.0 related issues, the submission and opening of bids shall be shifted to the next working day on the same time.

23.5 In case of Single Stage One Envelope Procedure, the Bidders names, the Bid prices, the total amount of each Bid and, 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 Bid Evaluation Committee.

## 24. Clarification of Bids

24.1 To assist in the examination, evaluation and comparison of Bids of the Bidders, the Procuring Agency may, ask any Bidder for a clarification of its Bid including breakdown of prices.

24.2 The request for clarification and the response shall be sought through EPADS v2.0 **before three days prior to the deadline for submission of bids.** No change in the prices or substance of the Bids shall be sought, offered, or permitted.

24.3 The alteration or modification in the BIDS which in any way affect the following parameters will be considered as a change in the substance of a Bids:

1. evaluation & qualification criteria;
2. required scope of work or specifications;
3. all securities requirements;
4. tax requirements;

5. terms and conditions of Bidding documents.

6. change in the ranking of the Bidder

24.4 From the time of Bids opening to the time of Contract award if any Bidder wishes to contact the Procuring Agency on any matter related to the Bids it should do so through **EPADS v2.0**.

## 25. Preliminary Examination of Bids

25.1 Prior to the detailed evaluation of Bids, the Procuring Agency will determine whether each Bid:

1. meets the eligibility criteria defined in **ITB 3**;
2. has been prepared as per the format and contents defined by the Procuring Agency in the Bidding documents;
3. is accompanied by the required securities; and
4. is substantially responsive to the requirements of the Bidding documents.

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

25.3A substantially responsive Bid is one which conforms to all the terms, conditions, and specifications of the Bidding documents, without material deviation or reservation. A material deviation or reservation is one that: -

1. affects in any substantial way the scope, quality, or performance of the Goods;
2. limits in any substantial way, inconsistent with the Bidding documents, the Procuring Agency's rights or the Bidders obligations under the Contract; or
3. if rectified, would affect unfairly the competitive position of other Bidders presenting substantially responsive Bids.

25.3 If a Bids is not substantially responsive, it will be rejected by the Procuring Agency and may not subsequently be evaluated for complete technical responsiveness.

## 26. Examination of Terms and Conditions; Technical Evaluation

26.1 The Procuring Agency shall examine the Bids 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.

26.2 The Procuring Agency shall evaluate the technical aspects of the Bids submitted, to confirm that all requirements specified in Schedule of Requirements and Technical Specifications of the Bidding documents have been met without material deviation or reservation.

26.3 If after the examination of the terms and conditions and the technical evaluation, the Procuring Agency determines that the Bid is not substantially responsive in accordance with **ITB 25.2**, it shall reject the Bid.

## 27. Correction of Errors

27.1 Bids determined to be substantially responsive will be checked for any arithmetic errors. Errors will be corrected as follows: -

1. 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;
2. 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
3. where there is a discrepancy between the amounts in figures and in words, the amount in words will govern.
4. Where there is discrepancy between grand total of price schedule and amount mentioned on the Form of Bids, the amount referred in Price Schedule shall be treated as correct subject to elimination of other errors.

27.2 The amount stated in the Bid will, be adjusted by the Procuring Agency in accordance with the above procedure for the correction of errors and, with the concurrence of the Bidder, shall be considered as binding upon the Bidder. If the Bidder does not accept the corrected amount, its Bid will then be rejected, and the Bid Security may be forfeited or the Bids Securing Declaration may be executed.

## 28. Conversion to Single Currency

28.1 To facilitate evaluation and comparison, the Procuring Agency will convert all Bids prices expressed in the amounts in various currencies in which the Bids prices are payable. For the purposes of comparison of bids 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 financial bids specified in the bidding documents, in accordance with weighted average customer exchange rates list issued by the State Bank of Pakistan on that day.

## 29. Evaluation of Bids

29.1 The Bids, quotations, or proposals shall be evaluated by the respective evaluation committees as per evaluation criteria described in the Bidding Documents in accordance with Rule 29 and 30 of the Public Procurement Rules, 2004.

### **1. Least Cost Based Selection (LCBS)**

After meeting the requirements of eligibility, qualification and substantial responsiveness, the bid in compliance with all the mandatory (technical) specifications/requirements and/or requisite quality threshold (if any), and having lowest evaluated cost (or financial proposal) shall be considered Successful Bid.

### **2. Quality and Cost Based Selection (QCBS)**

In such combination, there shall be some specific weightage of both the technical features and financial aspects of the proposal. The financial marks shall be awarded on the basis of inverse proportion calculations. The successful bid shall be declared, on the basis of combined evaluation.

### **3. Quality Based Selection (QBS)**

After meeting the requirements of eligibility, qualification and substantial responsiveness the bid in compliance with all the mandatory (technical) specifications/requirements and attaining highest marks in the Technical Evaluation considering all other qualitative and/or quantitative parameters (or point rated criteria) for technical proposal(s) such as working methodology, implementation plan, resource allocation, additional functionalities, risk management approach, knowledge transfer techniques, post implementation methodology etc. shall be treated as highest ranked bid. Later on, the financial proposal of highest ranked bidder shall be opened, however, in case of failure to proceed further with such a bidder, the procuring agency may resort to second

highest bidder and so on.

29.2 In case of tie of bids, the bidders shall be provided an opportunity to offer their best and final monetary offer through EPADS v2.0. However, in no case the rates shall be higher than the original financial bids.

## 30. Domestic Preference

30.1 The procuring agency shall evaluate and compare bids, allow for preference to domestic bidders, while competing with the international bidders in accordance with the policies of Federal Government.

The percentage of preference, to be accorded shall be clearly mentioned in the bidding documents under the bid evaluation criteria.

## 31. Determination of Successful Bid

31.1 Selection technique will be adopted for determining the Successful Bid in accordance with the criteria referred in the BDS or prescribed in the separate section titled as Evaluation Criteria.

31.2 In case where the Procuring Agency adopts the Cost Based Evaluation Technique and, the Bid with the lowest evaluated price from amongst those which are eligible, compliant and substantially responsive shall be the Successful Bid.

31.3 The Procuring Agency may adopt the Quality & Cost Based Selection Technique due to the following two reasons:

1. Where the Procuring Agency knows about the main features, usage and output of the products; however not clear about the complete features, technical specifications and functionalities of the goods to be procured and requires the bidders to submit their proposals defining those features, specifications and functionalities; or
2. Where the Procuring Agency, in addition to the mandatory requirements and mandatory technical specifications, requires parameters specified in EvaluationCriteria to be evaluated while determining the quality of the goods.

31.4 In such cases, the Procuring Agency may allocate certain weightage to these factors as a part of Evaluation Criteria, and may determine the ranking of the bidders on the basis of combined evaluation in accordance with provisions of Rule 2(1)(h) of the Public Procurement Rules, 2004.

## 32. Abnormally Low Financial Bids

32.1 Where the Bid price is considered to be abnormally low, the Procuring Agency shall perform price analysis either during determination of Successful Bids or as a part of the post-qualification process.

32.2 The Procuring Agency may reject an Abnormally low financial bids.

32.3 In order to identify the Abnormally Low Bids (ALB) following approaches can be considered to minimize the scope of subjectivity:

1. Comparing the Bids price with the cost estimate;
2. Comparing the Bids price with the Bids offered by other Bidders submitting substantially responsive Bids; and
3. Comparing the Bids price with prices paid in similar contracts in the recent past either government- or development partner-funded.

32.4 The Procuring Agency will determine to its satisfaction whether the Bidder that is selected as having submitted the successful bid is qualified to perform the contract satisfactorily.

32.5 The determination will take into account the Bidder's financial, technical, and production capabilities. It will be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, as well as such other information as the Procuring Agency deems necessary and appropriate. Factors not included in these Bidding documents shall not be used in the evaluation of the Bidders' qualifications.

32.6 Procuring Agency may seek "Certificate for Independent Price Determination" from the Bidder and the results of reference checks may be used in determining an award of contract.

Explanation: The Certificate shall be furnished by the Bidder. The Bidder shall certify that the price is determined keeping in view of all the essential aspects such as raw material, its processing, value addition, optimization of resources due to economy of scale, transportation, insurance and margin of profit etc.

32.7 An affirmative determination will be a prerequisite for award of the contract to the Bidder. A negative determination will result in rejection of the Bidder's Bids, in which event the Procuring Agency will proceed to the next ranked Bidder to make a similar determination of that Bidder's capabilities to perform

satisfactorily.

## F. Award of Contract

### 33. Criteria of Award

33.1 The Procuring Agency will award the Contract to the Bidder whose Bids has been determined to be substantially responsive to the Bidding documents and who has been declared as Most Advantageous Bidder.

### 34. Negotiations

34.1 The procuring agency shall not engage in negotiations with respect to scope and price with the bidder except when the procuring agency conducts a procurement using direct **or negotiated** contracting or a request for proposals with evaluation based on quality alone.

34.2 The procuring agency may negotiate with the most advantageous bid with a view to streamline the work or task execution, at the time of contract finalization on methodology, work plan, staffing, finalizing payment arrangements, delivery arrangements, minor amendments to the special conditions of the contract.

### 35. Procuring Agency Right to reject all bids

35.1 The Procuring Agency reserves the right to reject all bids or proposals at any time prior to the issuance of the Letter of Award, without incurring any liability, in accordance with Rule 33 of the Public Procurement Rules, 2004.

### 36. Procuring Agency's Right to Vary Quantities at the Time of Award

36.1 The Procuring Agency reserves the right at the time of contract award to increase or decrease the **quantity of** Goods originally specified in these Bidding documents provided this does not exceed **by** 15%, without any change in unit price or other terms and conditions of the Bids and Bidding documents.

### 37. Notification of Award

37.1 Prior to the award of contract, the procuring agency shall announce and publish the result of bid evaluation on **EPADS v2.0** in accordance with Rule 35

of the Public Procurement Rules, 2004.

37.2 The Bidder whose Bids has been accepted will be notified of the award by the Procuring Agency prior to expiration of the Bids/Bid Validity period. The Letter of Award will state the sum that the Procuring Agency will pay the successful Bidder in consideration for the delivery of Goods as prescribed by the Contract (hereinafter and in the Contract called the "Contract Price).

37.3 The Letter of award will constitute the formation of the Contract, subject to the Bidder furnishing the Performance Guarantee and signing of the contract.

## 38. Signing of Contract

38.1 Promptly after issuance of Letter of award, Procuring Agency shall send the successful Bidder the draft Contract, incorporating all terms and conditions as agreed by the parties to the contract.

38.2 Immediately after the Redressal of grievance by the GRC (if any), mandatory standstill period in accordance with Rule 35 of the Public Procurement Rules, 2004 and **after fulfillment of all condition's precedent** of the Contract Form, the successful Bidder and the Procuring Agency shall sign the Contract.

## 39. Corrupt & Fraudulent Practices

39.1 Procuring Agencies (including beneficiaries of Government funded projects and procurement) as well as Bidders/Contractors under Government financed contracts, observe the highest standard of ethics during the procurement and execution of such contracts, and will avoid to engage in any corrupt and fraudulent practices.

## F. Grievance Redressal & Complaint Review Mechanism

### 40. Constitution of Grievance Redressal

40.1 The Grievance Redressal Committee shall address the grievance, if any submitted by any party, including the bidder, in accordance with Rule 48 of the Public Procurement Rules, 2004 to be read with Redressal of Grievances Regulations, 2021.

40.2 In case if any party or the bidder is not satisfied with the decision of the GRC or if it fails to decide within ten days, the bidder or the party may file an appeal before the Appellate Committee of the Authority in accordance with Rule 48 of the Public Procurement Rules, 2004 to be read with Redressal of Grievances Regulations, 2021.

## G. Mechanism of Blacklisting

### 41. Mechanism of Blacklisting

41.1 The Procuring Agency shall initiate blacklisting proceedings against any bidder, supplier, or contractor in accordance with the Mechanism for Blacklisting Regulations, 2024, read with Rule 19 of the Public Procurement Rules, 2004.

41.2 The blacklisted/debarred bidder may file the review petition before the Authority in accordance with Rule 19 of the Public Procurement Rules, 2004 to be read with Procedure of filing and disposal of Review Petitions Regulations, 2021.





## Bid Data Sheet

## Bids Data Sheet (BDS)

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

BDS Clause Number	ITB Number	Amendments of, and Supplements to, Clauses in the Instruction to Bidders
A. Introduction		
1	1.1	<p>Name of Procuring Agency: <b>Pakistan Security Printing Corporation (Pakistan Security Printing Corporation)</b></p> <p>The subject of procurement is: <b>REQ-0525-1-00013(LP/T-2399/26/FA) 1. HIRING OF SERVICES FOR INSTALLATION, COMMISSIONING AND TEST RUN OF COMPLETE EFFLUENT TREATMENT PLANT 2. PROJECT SUPPLY - EFFLUENT TREATMENT PLANT (AS PER BOQ)</b></p> <p>Expected commencement date: <b>Friday, June 5, 2026</b></p>
2.	2.1	<p>Financial year for the operations of the Procuring Agency: <b>2025-26</b></p> <p>Name and identification number of the Contract: <b>P10058</b></p>
3.	3.1	<p>JV/Consortium or Association Allowed: <b>Yes</b></p> <p>Number of JV/Consortium Members: <b>2</b></p> <p><i>see section of eligibility criteria.</i></p>

## B. Bidding Documents

<b>4.</b>	<b>8.1</b>	The Bidders may seek clarifications through <b>EPADS v2.0</b> : Clarification Date: Monday, March 30, 2026
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## C. Preparation of Bids



5.

**10.1**

The Language of all correspondences and documents related to the Bids shall be in:  
**English**

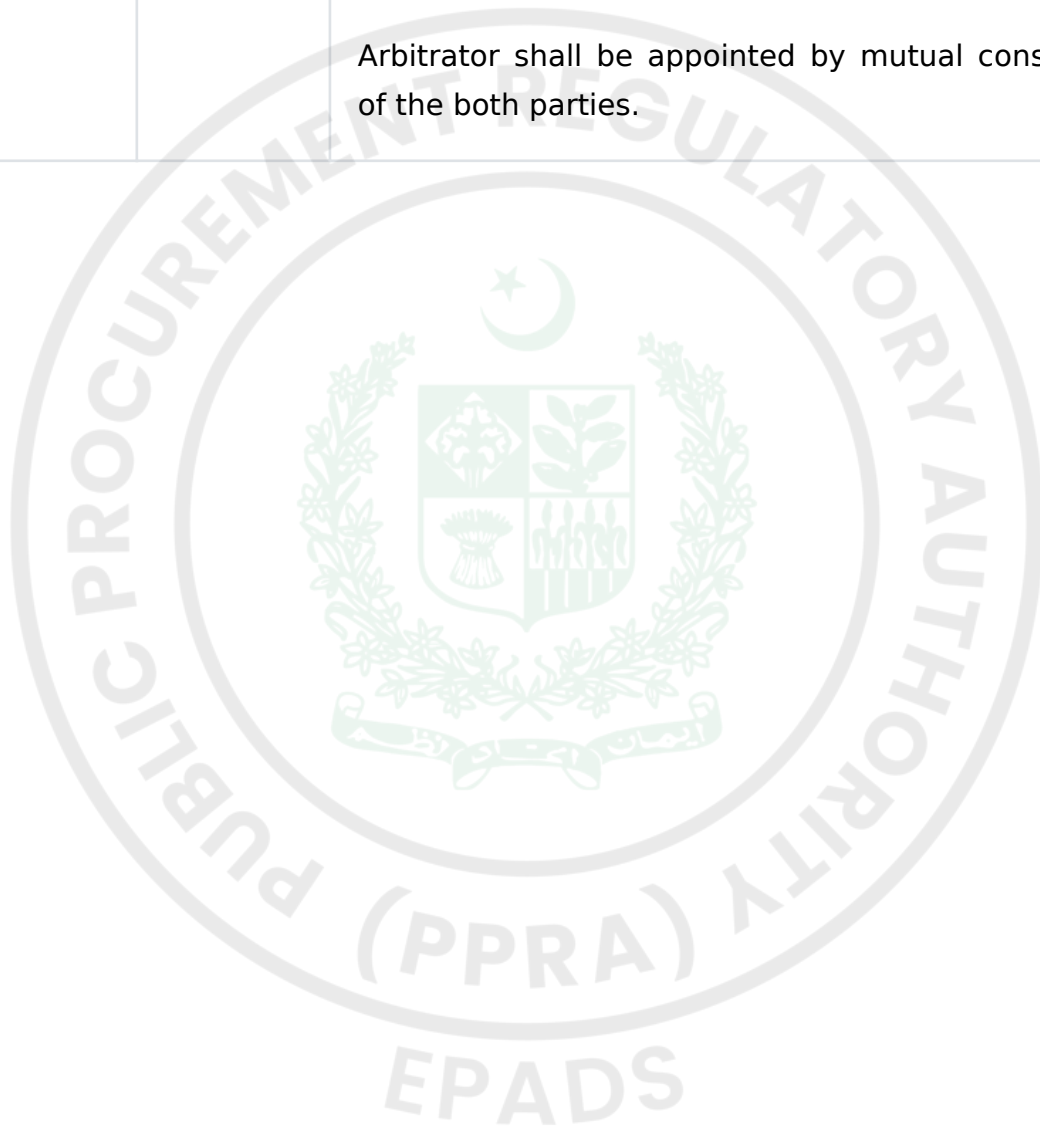
List of documents required along with the bid:

1. • Company Profile, including approved organizational structure with relevant expertise.
2. • Financial Statements for the last three years, demonstrating financial stability
3. • Undertaking stating compliance to process design & SEPA, and submittals are in accordance to it.
4. • Process Flow Diagram and Piping & Instrumentation Diagram in adherence to PSPC provided scheme
5. • Detailed Process stages description
6. • Equipment Specifications
7. • Mass & Water Balance
8. • Design calculations (Fluid mechanics and dynamics) against provided BOQ and report.
9. • Sludge Management Plan
10. • A detailed project plan till level-4 accommodating work breakdown structure outlining drawing approval, procurement, construction, commissioning, and operational phases. Details of project team must also be shared
11. • Description of O&M activities, including preventive maintenance schedules and operational strategies.
12. • Proposed staffing plan for the (06) six-months O&M phase, including roles and responsibilities, which may be extendable as

6.	11.1	<p><b>Items/Lots and therrre relateddocuments:</b>  <i>See section items and Lots</i></p>
7.	12.1	<p><b>Items / Lots Specifications:</b>  <i>see section of items specifications.</i></p>
8.	13.1	<p>The bidder shall furnished as part of its bids, documents : <b>{DOCUMENTREQUIRED}</b></p>
9.	15.6	<p>The price shall be <b>Fixed.</b></p>
10.	16.1	<p>Currency of the Bids shall be : <b>PKR</b></p>
11.	17.1	<p>The Bids/Bid Validity period shall be: <b>120 Days</b></p>
12.	18.1	<p>The amount of Bid Security shall be as defined in Bid Security Section for items and lots given in <b>BDS 6</b></p> <p>The Bid Security shall be in the form of: <b>Pay Order, Bank Guarantee, Others</b></p>
<p><b>D. Submission of Bids</b></p>		

13.	20.1	<p>Bid shall be submitted online on EPADS v2.0 whereas hard copy of the bid security should be submitted to the following;</p> <p><b>Jinnah Avenue, Malir Halt., Airport Sub-Division, Malir (District), Karachi (Division), Sindh (Province).</b> before bid submission deadline.</p> <p>Bids that are not submitted on EPADS v2.0 shall be disqualified.</p> <p>The deadline for Bids submission is: <b>Friday, April 3, 2026 11:00 AM</b></p>
<p><b>E. Opening and Evaluation of Bids</b></p>		
14.	23.1	<p>The Bids opening shall take place on <b>EPADS v2.0.</b></p> <p>Day : <b>Friday</b></p> <p>Date: <b>Friday, April 3, 2026</b></p> <p>Time : <b>11:30 AM</b></p>
15.	30.1	<p>Domestic Preference shall be accorded : <b>{yes/no}</b></p> <p>If yes, please mention the percentage of preference</p>
16.	31.1	<p>Selection technique adopted will be: <b>Quality and Cost Based Selection (QCBS)</b></p> <p><i>see Evaluation Criteria</i></p>
<p><b>F. Award of Contract</b></p>		

<b>17.</b>	<b>36</b>	The percentage for increase or decrease at the time of award contract : <b>{15 percent lock}</b>
<b>G. Review of Procurement Decisions</b>		
<b>18.</b>	<b>41.1</b>	<p>Grievence against this procurement shall be submitted online on EPADS v2.0.</p> <p>Arbitrator shall be appointed by mutual consent of the both parties.</p>



## Eligibility Criteria

Bidder's Type	Required Registration
Individual / Individual Consultant	NADRA CITIZENSHIP (CNIC/NICOP)
Sole Proprietorship	FBR (NTN)
Partnership Firm	FBR (GSTN)
Company (Private Limited)	PEC
Company (Public Limited)	
Company (Holding Company)	
Company (Limited by Guarantee)	
State Owned Enterprise (Private Limited)	
State Owned Enterprise (Public Limited)	

Eligibility Criteria	Document
The bidder should have PEC License of Category C-5, minimum for necessary qualification.	Yes
Average Annual Turnover of the Bidder of last three years, (minimum avg Rs. 150 Million for necessary for qualification)	Yes

Number of Completed Projects in last 5 years, minimum 2 projects for necessary qualification	Yes
In hand Projects, minimum 1 project in hand or have completed 1 project in last year for necessary qualification	Yes
Bidder shall have hands-on experience of >100,000 USGPD) ETP INCLUDING UF & RO treatment facilities in similar industrial setup	Yes
Estimated Operational Cost (Rs. / US Gal of treated water) (If greater than 1.2 Rs. / US Gal the bidder will be ineligible)	Yes
Project Manager (1 No.) (PEC registered Chemical Engineer or equivalent with min. 08 years of relevant experience)	Yes
Process Engineer (1 Nos.) (PEC registered Chemical Engineer or equivalent with min. 4 years of relevant experience)	Yes
Civil Engineer (1 Nos.) (PEC registered Civil Engineers with min. 4 years of relevant experience)	Yes
Site Supervisor (1 Nos.) (DAE Civil with min. 4 years of relevant experience)	Yes
Site Supervisor (1 Nos.) (DAE Electrical with min. 4 years of relevant experience)	Yes
Compliance to the Tender Document, attachments and BOQ (Undertaking on letterhead required)	Yes

## Evaluation Criteria

Eligible bidder(s) with substantially responsive bid(s) offering **Quality and Cost Based Selection (QCBS)** shall be considered for the award of contract(s).

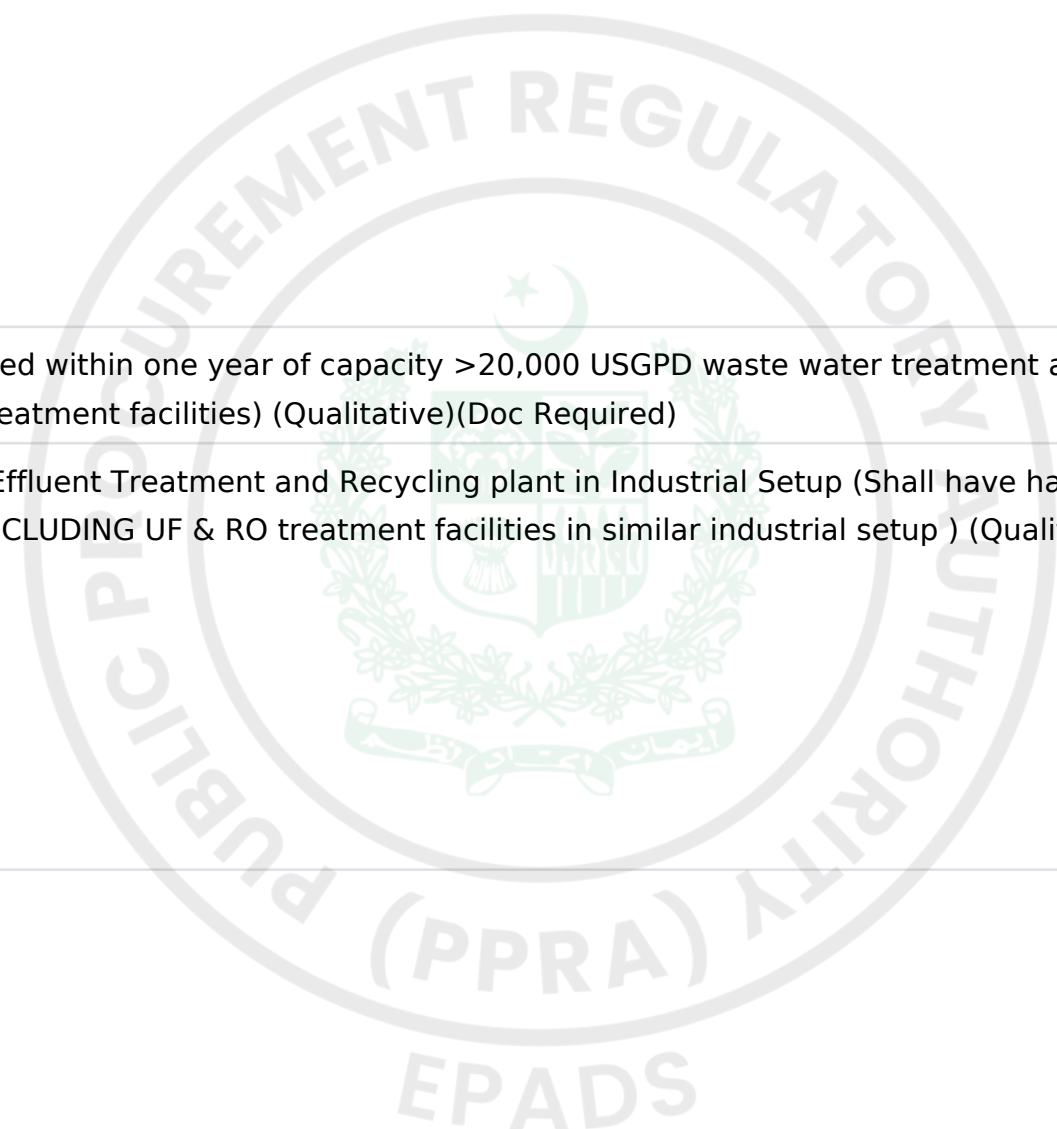
### Quality and Cost Based Selection (QCBS)

**Technical Marks**

**100**

Passing Marks	50
Technical Evaluation Criteria	
PEC License Category (valid registration) (Qualitative)(Doc Required)  For Category C-3 or better <b>(5)</b>  For Category C-4 <b>(4)</b>  For Category C-5 <b>(3)</b>  For Category C-6 or Lower <b>(0)</b>	5
Average Annual Turnover for last three years (Qualitative)(Doc Required)  300 Million Rupees and above = 12 <b>(12)</b>  250 Million Rupees & Less than 300 Million Rupees <b>(10)</b>  200 Million Rupees & Less than 250 Million Rupees <b>(8)</b>  150 Million Rupees & Less than 200 Million Rupees <b>(6)</b>  Less then Rs. 150 Million <b>(0)</b>	12

<p>Number of Completed Projects in last 5 years (Past Experience in establishing or complete modification of &gt;100,000 USGPD waste water treatment and Recycling plants projects on EPC basis). (Qualitative)(Doc Required)</p> <p>4 and above projects <b>(12)</b></p> <p>3 projects <b>(9)</b></p> <p>2 Projects <b>(6)</b></p> <p>1 Project or less <b>(0)</b></p>	12
<p>Projects In hand or Completed within one year of capacity &gt;20,000 USGPD waste water treatment and Recycling plant (ETP INCLUDING UF &amp; RO treatment facilities) (Qualitative)(Doc Required)</p>	6
<p>Experience of establishing Effluent Treatment and Recycling plant in Industrial Setup (Shall have hands-on experience of &gt;100,000 USGPD) ETP INCLUDING UF &amp; RO treatment facilities in similar industrial setup ) (Qualitative)(Doc Required)</p> <p>2 or more projects <b>(20)</b></p> <p>1 project <b>(10)</b></p> <p>No Project <b>(0)</b></p>	20



Operational Cost (Rs. / US Gal of treated water) of Plant - Sample Cost sheet for OPEX calculations is attached at (Annexure-C) for reference (Qualitative)(Doc Required)

45

Upto 0.6 Rs. / US Gal **(45)**

From 0.61 Rs. / US Gal to 0.8 Rs. / US Gal **(38)**

From 0.81 Rs. / US Gal to 1.0 Rs. / US Gal **(30)**

From 1.01 Rs. / US Gal to 1.2 Rs. / US Gal **(23)**

Greater than 1.2 Rs. / US Gal **(0)**

## Items/Lots

**Lot Title :** PROJECT SUPPLY - EFFLUENT TREATMENT PLANT AND ALLIED SERVICES FOR INSTALLATION, COMMISSIONING AND TEST RUN (AS PER BOQ)

**Bid Security :** 4000000

Item	UNSPSC	Delivery Schedule	Quantity	Manufacturer / Dealer Authorization	Warranty
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PROJECT SUPPLY - EFFLUENT TREATMENT PLANT (AS PER BOQ)	Waste water and sewage treatment plant construction service	<b>Address:</b> Jinnah Avenue, Malir Halt., Airport Sub-Division, Malir (District), Karachi (Division), Sindh (Province). <b>Schedule:</b> 9 months after award of contract <b>Quantity:</b> 01	1	Manufacturer Authorization form	15 Years
HIRING OF SERVICES FOR INSTALLATION. COMMISSIONING AND TEST RUN OF COMPLETE EFFLUENT TREATMENT PLANT	Waste water and sewage treatment plant construction service	<b>Address:</b> Jinnah Avenue, Malir Halt., Airport Sub-Division, Malir (District), Karachi (Division), Sindh (Province). <b>Schedule:</b> 9 months after award of contract <b>Quantity:</b> 01	1	--	--

## Related Services of Goods:

No

## Items/Lot Specification

**Lot Title :** PROJECT SUPPLY - EFFLUENT TREATMENT PLANT AND ALLIED SERVICES FOR INSTALLATION, COMMISSIONING AND TEST RUN (AS PER BOQ)

**Item:** PROJECT SUPPLY - EFFLUENT TREATMENT PLANT (AS PER BOQ)

**UNSPSC:** Waste water and sewage treatment plant construction service

**Specifications / Requirements:**

AS PER BOQ ATTACHED AT ANNEX - A, VENDORS ARE REQUESTED TO GO THROUGH THE DETAILED DOCUMENTS AND DONOT WRITE/UPLOAD ANY FINANCIALS RELATED INFORMATION WITH THE TECHNICAL SPECS

**Item:** HIRING OF SERVICES FOR INSTALLATION. COMMISSIONING AND TEST RUN OF COMPLETE EFFLUENT TREATMENT PLANT

**UNSPSC:** Waste water and sewage treatment plant construction service

**Specifications / Requirements:**

AS PER BOQ ATTACHED AT ANNEX - A, VENDORS ARE REQUESTED TO GO THROUGH THE DETAILED DOCUMENTS AND DONOT WRITE/UPLOAD ANY FINANCIALS RELATED INFORMATION WITH THE TECHNICAL SPECS

## Price Schedule

### For Individual Items

#	Item Title	Quantity	Unit Price (PKR)	Total Price (PKR)	Delivery Location	Delivery Period / Year	Country of Origin
1							
2							

### For Lots

#	Lot Title	Total Lot Price (PKR)	Country of Origin
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1	[Lot 1 Title]		
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## General Conditions of Contract

## A. General

### 1. Definitions

1.1 Unless the context otherwise requires, the following terms whenever used in this Contract shall have the same meaning and shall be interpreted as indicated

1. "Applicable Law" means the laws and any other instruments having the force of law in the Government's Country, or in such other country as may be specified in the Special Conditions of the Contract (SC), as they may be issued and in force from time to time;
2. "Procuring Agency" means:-
  - 2.1. any Ministry, Division, Department or any Office of the Government;
  - 2.2. any authority, corporation, body or organization established by or under a Law or which is owned or controlled by the Government;
3. "The Contract" means an agreement enforceable by law;
4. "The Contract Price" means the price payable to the Bidder under the Contract for the full and proper performance of its contractual obligations;
5. "Ancillary Services" means those services ancillary to the provision of Goods, such as transportation and insurance, and any other incidental services, such as installation, commissioning, provision of technical assistance, training, and other such obligations of the Bidder covered under the Contract;
6. "GCC" means the General Conditions of Contract contained in this section;
7. "SCC" means the Special Conditions of Contract by which the GCC may be amended or supplemented;
8. "Day" means calendar day unless indicated otherwise.
9. "Effective Date" means the date on which this Contract comes into force and effect.
10. "The Bidder" means the individual or corporate body whose Bids to provide the Goods has been accepted by the Procuring Agency;
11. "The Project Site," where applicable, means the place or places named in Bids Data Sheet and technical Specifications;
12. "Government" means the Government of Pakistan;
13. "Subcontractor" means any entity to which the Bidder subcontracts any part of the Goods.
14. "Service" means any object of procurement other than goods or works;
15. "Party" means the Procuring Agency or the Bidder, as the case may be, and "Parties" means both of them;
16. "Foreign Currency" means any currency other than the currency of the country of the Procuring Agency;

17. "Completion Date" means the date of completion of the contract by the Bidder as certified by the Procuring Agency;

18. "In Writing" means communicated in written form with proof of receipt;

19. "Local Currency" means the currency of Pakistan;

## 2. Application and Interpretation

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

2.2 In interpreting these Conditions of Contract headings and marginal notes are used for convenience only and shall not affect their interpretations unless specifically stated; references to singular include the plural and vice versa; and masculine include the feminine. Words have their ordinary meaning under the language of the Contract unless specifically defined.

## 3. Applicable Law

3.1 The contract shall be governed and interpreted in accordance with the laws of Pakistan, unless otherwise specified in SCC.

## 4. Governing Language

4.1 The Contract as well as all correspondence and documents relating to the Contract exchanged between the Bidder and the Procuring Agency, shall be written in the **English language** unless otherwise stated in the **SCC**. Supporting documents and printed literature that are part of the Contract may be in another language provided these are accompanied by an accurate translation of the relevant passages in English, in which case, for purposes of interpretation of the Contract, this translation shall govern.

## 5. Notices

5.1 Any notice, request, or consent made pursuant to this Contract shall be in writing and shall be deemed to have been made when delivered in person to an authorized representative of the Party to whom the communication is addressed, or when sent by registered mail, telex, telegram, or facsimile to such Party at the address specified in the **SCC**.

## 6. Delivery/Location

6.1 The Goods shall be delivered to such locations as the Procuring Agency may approve and as specified in **SCC**.

## 7. Authorized Representatives / Authority of Member in charge

7.1 Any action required or permitted to be taken, and any document required or permitted to be executed, under this Contract by the Procuring Agency or the Bidder may be taken or executed by the officials specified in the **SCC**.

## B. Commencement, Completion, Modification, and Termination of Contract

## 8. Effectiveness of Contract

8.1 This Contract shall come into effect on the date the Contract is signed by both parties and such other later date as may be stated in the SCC.

## 9. Commencement of Services

9.1 The Bidder shall confirm availability of Key Experts and begin carrying out the Services not later than the number of days after the Effective Date specified in the SCC.

## 10. Program

10.1 Before commencement of the Services, the Bidder shall submit to the Procuring Agency for approval a Program showing the general methods, arrangements, order and timing for all activities. The Services shall be carried out in accordance with the approved Program as updated.

## 11. Starting Date/Expiration Date

11.1 The Bidder shall start carrying out the Services Five (05) days after the date the Contract becomes effective, or at such other date as may be specified in the SCC.

11.2 Unless terminated earlier pursuant to Clause **GCC 15** hereof, this Contract shall expire at the end of such time period after the Effective Date as specified in the SCC.

## 12. Entire Agreement

12.1 This Contract contains all covenants, stipulations and provisions agreed by the Parties. No agent or representative of either Party has authority to make, and the Parties shall not be bound by or be liable for, any statement, representation, promise or agreement not set forth herein.

## 13. Modification

13.1 Any modification or variation of the terms and conditions of this Contract, including any modification or variation of the scope of the Services, may only be made by written agreement between the Parties. However, each Party shall give due consideration to any Bids for modification or variation made by the other Party.

13.2 In cases of any modifications or variations, the prior written consent of the Procuring Agency is required.

## 14. Force Majeure

### 14.1 Definition

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

## **14.2 No Breach of Contract**

The failure of a Party to fulfill any of its obligations under the contract shall not be considered to be a breach of, or default under, this Contract in so far as such inability arises from an event of Force Majeure, provided that the Party affected by such an event (a) has taken all reasonable precautions, due care and reasonable alternative measures in order to carry out the terms and conditions of this Contract, and (b) has informed the other Party as soon as possible about the occurrence of such an event.

## **14.3 Extension of Time**

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

## **14.4 Payments**

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

## **15. Termination**

### **15.1 By the Procuring Agency**

The Procuring Agency may terminate this Contract in case of the occurrence of any of the events specified in paragraphs (a) through (e) of this Clause. In such an occurrence the Procuring Agency shall give at least thirty (30) calendar days' written notice of termination to the Bidder in case of the events referred to in (a) through (d); at least sixty (60) calendar days' written notice in case of the event referred to in (e);

1. If the Bidder fails to remedy a failure in the performance of its obligations hereunder, as specified in a notice of suspension;
2. If the Bidder becomes (or, if the Bidder consists of more than one entity, if any of its members becomes) insolvent or bankrupt or enter into any agreements with their creditors for relief of debt or take advantage of any law for the benefit of debtors or go into liquidation or receivership whether compulsory or voluntary;
3. If the Bidder fails to comply with any final decision reached as a result of arbitration proceedings;
4. If, as the result of Force Majeure, the Bidder is unable to perform a material portion of the Services for a period of not less than sixty (60) calendar days;
5. If the Procuring Agency, in its sole discretion and for any reason whatsoever, decides to terminate this Contract;

### **15.2 By the Bidder**

The Bidder may terminate this Contract, by not less than thirty (30) calendar days' written notice to the Procuring Agency, in case of the occurrence of any of the events specified in paragraphs (a) through (d) of this Clause.

1. If the Procuring Agency fails to pay any money due to the Bidder pursuant to this Contract and not subject to dispute within forty-five (45) calendar days after receiving written notice from the Bidder that such payment is overdue.
2. If, as the result of Force Majeure, the Bidder is unable to perform a material portion of the Services for a period of not less than sixty (60) calendar days.
3. If the Procuring Agency fails to comply with any final decision reached as a result of arbitration.
4. If the Procuring Agency is in material breach of its obligations pursuant to this Contract and has not remedied the same within forty-five (45) days (or such longer period as the Bidder may have subsequently approved in writing) following the receipt by the Procuring Agency of the Bidder's notice specifying such breach.

## C. Obligations of the Bidder

### 16. General

#### 16.1 Standard of Performance

1. The Bidder shall deliver the product and carry out the Services with all due diligence, efficiency and economy, in accordance with generally accepted professional standards and practices, and shall observe sound management practices, and employ appropriate technology and safe and effective equipment, machinery, materials and methods. The Bidder shall always act, in respect of any matter relating to this Contract or to the Services, as a faithful adviser to the Procuring Agency, and shall at all times support and safeguard the Procuring Agency's legitimate interests in any dealings with the third parties.

#### 16.2 Law Applicable to Goods

The Bidder shall deliver the goods in accordance with the Contract and in accordance with the Law of Pakistan and shall take all practicable steps to ensure that any of its Experts and Sub-Bidders, comply with the Applicable Law.

### 17. Conflict of Interests

#### 17.1 Bidder Not to Benefit from Commissions and Discounts.

The remuneration of the Bidder shall constitute the Bidder's sole remuneration in connection with this Contract or the Services, and the Bidder shall not accept for their own benefit any trade commission, discount, or similar payment in connection with activities pursuant to this Contract or to the Services or in the discharge of their obligations under the Contract, and the Bidder shall use their best efforts to ensure that the Personnel, any Subcontractors, and agents of either of them similarly shall not receive any such additional remuneration.

#### 17.2 Bidder and Affiliates Not to be Otherwise Interested in Project

The Bidder agree that, during the term of this Contract and after its termination, the Bidder and its affiliates, as well as any Subcontractor and any of its affiliates, shall be disqualified from providing Goods for any project resulting from or closely related to the Services.

#### 17.3 Prohibition of Conflicting Activities

Neither the Bidder nor its Subcontractors nor the Personnel shall engage, either directly or indirectly, in any of the following activities:

1. during the term of this Contract, any business or professional activities in the Government's country which would conflict with the activities assigned to them under this Contract;
2. during the term of this Contract, neither the Bidder nor their Subcontractors shall hire public employees in active duty or on any type of leave, to perform any activity under this Contract;

## 18. Confidentiality

18.1 Except with the prior written consent of the Procuring Agency, the Bidder and the Experts shall not at any time communicate to any person or entity any confidential information acquired in the course of the contract.

## 19. Insurance to be Taken Out by the Bidder

19.1 The Bidder(a) shall take out and maintain, and shall cause any Subcontractors to take out and maintain, at its (or the Subcontractors', as the case may be) own cost but on terms and conditions approved by the Procuring Agency, insurance against the risks, loss or damage, and for the coverage, as shall be specified in the SCC; and (b) at the Procuring Agency's request, shall provide evidence to the Procuring Agency showing that such insurance has been taken out and maintained and that the current premiums have been paid.

## 20. Bidder's Actions Requiring Procuring Agency's Prior Approval

20.1 The Bidder shall obtain the Procuring Agency's prior approval in writing before taking any of the following actions:

- (a) appointing such members of the Personnel not provided by the Bidder;
- (b) changing the Program of activities; and
- (c) any other action that may be specified in the SCC.

## 21. Reporting Obligations

21.1 The Bidder shall submit to the Procuring Agency the reports and documents in the numbers, and within the periods as prescribed by the Procuring Agency.

## 22. Liquidated Damages

22.1 If the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s) specified in the Contract, the Procuring Agency shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in SCC of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the performance security (or guarantee) specified in SCC. Once the said maximum is reached, the Procuring Agency may consider termination of the Contract pursuant to **GCC Clause 15**.

## 22.2 Correction for Over-payment

If the Intended Completion Date is extended after liquidated damages have been paid, the Procuring Agency shall correct any overpayment of liquidated damages by the Bidder by adjusting the next payment certificate. The Bidder shall be paid interest on the overpayment, calculated from the date of payment to the date of repayment, at the rates specified in SCC.

## 22.3 Lack of performance penalty

If the Bidder has not corrected a Defect within the time specified in the Procuring Agency's notice, a penalty for Lack of performance will be paid by the Bidder. The amount to be paid will be calculated as a percentage of the cost of having the Defect corrected, assessed as specified in the SCC.

## 23. Performance Guarantee

23.1 Within Seven (07) days from the issuance of acceptance letter from the Procuring Agency, the successful Bidder shall furnish the Performance Guarantee in shape of ----- at the discretion of the PA in the amount **specified in SCC**. In case the amount of Bids security is equal or greater than

23.2 The proceeds of the Performance Guarantee shall be payable to the Procuring agency as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.

23.3 The Performance Guarantee shall be denominated in the currency of the Contract, or in a freely convertible currency acceptable to the Procuring agency and shall be in the acceptable form as specified in SCC.

23.4 The Performance Guarantee will be discharged by the Procuring agency and returned to the Supplier not later than thirty (30) days following the date of completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless otherwise **specified in SCC**.

## 24. Fraud and Corruption

24.1 The Procuring Agency requires the Supplier to disclose any commissions or fees that may have been paid or are to be paid to agents or any other party with respect to the Bidding process or execution of the Contract. The information disclosed must include at least the name and address of the agent or other party, the amount and currency, and the purpose of the commission, gratuity or fee.

## 25. Sustainable Procurement

25.1 The Bidder shall conform to the sustainable procurement contractual provisions, if and as specified in the SCC.

## D. Bidder's Personnel

### 26. Description of Personnel

26.1 The titles, agreed job descriptions, minimum qualifications, and estimated periods of engagement in the carrying out of the Services of the Bidder's Key Personnel. The Key Personnel listed by title as well as by name are hereby approved by the Procuring Agency.

## 27. Removal and/or Replacement of Personnel

27.1 Except as the Procuring Agency may otherwise agree, no changes shall be made in the Key Personnel. If, for any reason beyond the reasonable control of the Bidder, it becomes necessary to replace any of the Key Personnel, the Bidder shall provide as a replacement a person of equivalent or better qualifications.

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

27.3 The Bidder shall have no claim for additional costs arising out of or incidental to any removal and/or replacement of Personnel.

## E. Obligations of the Procuring Agency

### 28. Assistance and Exemptions

28.1 The Procuring Agency shall use its best efforts to ensure that the Government shall provide the Bidder such assistance and exemptions as specified in the SCC.

### 29. Change in the Applicable Law

29.1 If, after the date of this Contract, there is any change in the Applicable Law with respect to taxes and duties which increases or decreases the cost of the related Services rendered by the Bidder, then the remuneration and reimbursable expenses otherwise payable to the Bidder under this Contract shall be increased or decreased accordingly by agreement between the Parties, and corresponding adjustments shall be made to the amounts referred in the SCC.

### 30. Services and Facilities

30.1 The Procuring Agency shall make available to the Bidder and the Experts, for the purposes of the Services and free of any charge, the services, facilities and property described, at the times and in the manner specified in the SCC or terms of reference.

30.2 In case that such services, facilities and property shall not be made available to the Bidder, the Parties shall agree on (i) any time extension that it may be appropriate to grant to the Bidder for the performance of the Services, (ii) the manner in which the Bidder shall procure any such services, facilities and property from other sources, and (iii) the additional payments, if any, to be made to the Bidder as a result thereof.

## F. Payments to the Bidder

### 31. Contract Price

31.1 The price payable shall be in Pakistani Rupees unless otherwise specified in the SCC. Prices charged by the Supplier for Goods delivered under the Contract shall not vary from the prices quoted by the Supplier in its Bid.

## 32. Terms and Conditions of Payment

32.1 Payments will be made to the Bidder according to the payment schedule stated in the SCC and as per actual invoice submitted by the Bidder.

32.2 Unless otherwise stated in the SCC, the advance payment shall be made against the provision by the Bidder of a bank guarantee for the same amount, and shall be valid for the period stated in the SCC. Any other payment shall be made after the conditions listed in the SCC for such payment have been met, and the Bidder have submitted an invoice to the Procuring Agency specifying the amount due.

## 33. Currency of Payment

33.1 Any payment under this Contract shall be made in the currency(ies) specified in the SCC.

## G. Quality Control

### 34. Identifying Defects

34.1 The principle and modalities of Inspection of the Goods by the Procuring Agency shall be as indicated in the SCC. The Procuring Agency shall check the Bidder's performance and notify him of any Defects that are found. Such checking shall not affect the Bidder's responsibilities. The Procuring Agency may instruct the Bidder to search for a Defect and to uncover and test any service that the Procuring Agency considers may have a Defect. Defect Liability Period is as defined in the SCC.

### 35. Correction of Defects, and

#### **Lack of Performance Penalty**

35.1 The Procuring Agency shall give notice to the Bidder of any Defects before the end of the Contract. The Defects liability period shall be extended for as long as Defects remain to be corrected.

35.2 Every time notice a Defect is given, the Bidder shall correct the notified Defect within the length of time specified by the Procuring Agency's notice.

35.3 If the Bidder has not corrected a Defect within the time specified in the Procuring Agency's notice, the Procuring Agency will assess the cost of having the Defect corrected, the Bidder will pay this amount, and a Penalty for Lack of Performance.

## 36. Taxes and Duties

36.1 A Supplier shall be entirely responsible for all taxes, duties, fees, etc., incurred until delivery of the contracted Goods to the Procuring Agency.

## H. Settlement of Disputes

### 37. Alternate Dispute Resolution

37.1 The disputes between the parties to the contract may be settled in accordance with Public Procurement Rules, 2004.

37.2 The procuring agency shall refer the matter to the Chief Justice Islamabad High Court or Managing Director PPRA or the Secretary Ministry of Law & Justice for appointment of Arbitrator.

37.3 The fee for the Arbitrator shall be specified in Pak Rupees as determined by the appointing authority which shall be borne and shared equally by the contracting parties.





## Special Conditions of Contract

## SECTION VIII. 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 Conditions of Contract. The corresponding clause number of the GCC is indicated in parentheses.

<b>Number of GC Clause</b>	<b>Amendments of, and Supplements to, Clauses in the General Conditions of Contract</b>
<b>GCC 1</b>	<p><b>Definitions</b></p> <p><b>The Procuring Agency is:</b> Pakistan Security Printing Corporation (Pakistan Security Printing Corporation), Deputy Manager Jinnah Avenue, Malir Halt., Airport Sub-Division, Malir (District), Karachi (Division), Sindh (Province).</p> <p><b>The Supplier is:</b></p> <p><b>The title of the subject procurement is: REQ-0525-1-00013(LP/T-2399/26/FA) 1. HIRING OF SERVICES FOR INSTALLATION, COMMISSIONING AND TEST RUN OF COMPLETE EFFLUENT TREATMENT PLANT 2. PROJECT SUPPLY – EFFLUENT TREATMENT PLANT (AS PER BOQ)</b></p>
<b>GCC 3</b>	<p><b>Applicable/Governing Law:</b></p> <p>The Contract shall be interpreted in accordance with the laws of Islamic Republic of Pakistan</p>
<b>GCC 4</b>	<p><b>Language:</b></p> <p>The language of the Contract, all correspondence and communications to be given, and all other documentation to be prepared and supplied under the Contract shall be in <b>English</b>.</p>

<p><b>GCC 5</b></p>	<p><b>Notices:</b></p> <p><b>The addresses for the notices are:</b></p> <p>Procuring Agency:</p> <p>Pakistan Security Printing Corporation (Pakistan Security Printing Corporation),Deputy Manager  Jinnah Avenue, Malir Halt., Airport Sub-Division, Malir (District), Karachi (Division), Sindh (Province).  +92-333-687-0000  furqan.awan@pspc.gov.pk</p> <p>Contractor/ Bidder:</p> <p>[Name, address and telephone number].</p> <p>The Contractor/ Bidder’s Representative(s)</p> <p>[Name, address, telephone number and e-mail address]</p>
<p><b>GCC 7.1</b></p>	<p><b>The Authorized Representatives are:</b></p> <p><b>For the Procuring Agency:</b></p> <p>Pakistan Security Printing Corporation (Pakistan Security Printing Corporation),Deputy Manager  Jinnah Avenue, Malir Halt., Airport Sub-Division, Malir (District), Karachi (Division), Sindh (Province).  +92-333-687-0000  furqan.awan@pspc.gov.pk</p> <p><b>For the Bidder:</b></p> <p><b>Name:</b> .....</p> <p><b>Designation:</b> .....</p> <p><b>Address:</b> .....</p>
<p><b>GCC 8</b></p>	<p><b>Effectiveness of the contract</b></p>
<p><b>GCC 9</b></p>	<p><b>Commencement of Contract:</b></p>
<p><b>GCC 11.2</b></p>	<p><b>Expiration of Contract:</b></p>

<p><b>GCC 15</b></p>	<p><b>Termination</b></p> <p>In the event of termination of the contract due to any reason as already defined in the General Conditions of Contract, the Bidder shall be responsible for providing to the Authority the Goods till the time of alternate arrangements.</p>
<p><b>GCC 17</b></p>	<p><b>Conflict of Interest:</b></p> <p>The Procuring Agency reserves the right to determine on a case-by-case basis whether the Bidder should be disqualified from providing goods or services due to a conflict of a nature described in Clause GCC 17.</p>
<p><b>GCC 22</b></p>	<p><b>Liquidated Damages</b></p> <p>If the Bidder fails to provide services as required under the contract or in case of any data loss/data breach or any incident compromising the data security or other such failures related to any services, the Bidder shall pay to the Procuring Agency as Liquidated Damages at a rate of <b>2.00%</b> to <b>2.00%</b> of the Contract value, in accordance with the extent of performance failure &amp; the cost of investigating such incidents as judged by the Authority.</p>
<p><b>GCC 23</b></p>	<p><b>Performance Guarantee:</b></p> <p>The amount of performance guarantee shall be <b>5.00%</b> of the contract price in acceptable form of <b>Pay Order, Bank Guarantee, Others</b></p>
<p><b>GCC 32</b></p>	<p><b>Payment terms:</b></p> <p>Payment will be made to the Bidder against the procured Goods and services according to the actual invoice or running bills submitted by the Bidder against the services provided within the time given in the conditions of the contract.</p>
<p><b>GCC 33</b></p>	<p><b>Currency of Payment:</b></p> <p>All the payment to be released to the contractor/Bidder shall be in Pakistani Rupees.</p>

**GCC 34****Identifying Defects:**

The Authority reserves the right at any time to inspect the premises of the provider to inspect the goods and monitor the goods being provided.

**Inspections & Tests Requirements**

For being Brand New, bearing relevant reference numbers of the equipment (Certificate from supplier)

For Physical Fitness having No Damages (Certificate from supplier)

For the Country of Origin as quoted by the Supplier (Certificate from manufacturer)

For conformance to specifications and performance parameters, through Prior to delivery inspection (Inspection Report by Procurement Committee / Inspection Team)

For successful operation at site after complete installation, testing and commissioning of the equipment (Installation, Testing and Commissioning Report by Procurement Committee / Inspection Team)

**Delivery & Documents**

Copies of the Supplier's invoice showing Goods' description, quantity, unit price, and total amount;

Original and two copies of the usual transport document (for example, a negotiable bill of lading, a non-negotiable sea waybill, an inland waterway document, an air waybill, a railway consignment note, a road consignment note, or a multimodal transport document) which the buyer may require to take the goods;

Copies of the packing list identifying contents of each package;

Insurance Certificate;

Manufacturer's or Supplier's Valid Warranty Certificate;

Inspection Certificate issued by the Nominated Inspection Agency (if any), and the Supplier's Factory Inspection Report;

Certificate of Origin.

The above documents would be required even if the equipment has already been imported and is available with the supplier ex-stock

**Following is the guidance for Dispute Resolution**

1. If any dispute of any kind whatsoever shall arise between the Authority and the Bidder in connection with or arising out of the Contract, including without prejudice to the generality of foregoing, any question regarding its existence, validity, termination and the execution of the Contract – whether during developing phase or after their completion and whether before or after the termination, abandonment or breach of the Contract – the parties shall seek to resolve any such dispute or difference by mutual diligent negotiations in good faith within 14 (fourteen) days following a notice sent by one Party to the other Party in this regard.
2. At future of negotiation the dispute shall be resolved through mediation and mediator shall be appointed with the mutual consent of the both parties.
3. At the event of failure of mediation to resolve the dispute relating to this contract such dispute shall finally be resolved through binding Arbitration by sole arbitrator in accordance with Arbitration Act 1940. The arbitrator shall be appointed by mutual consent of the both parties. The Arbitration shall take place in Islamabad, Pakistan and proceedings will be conducted in English language.
4. The cost of the mediation and arbitration shall be shared by the parties in equal proportion however the both parties shall bear their own costs and lawyer's fees regarding their own participation in the mediation and arbitration. However, the Arbitrator may make an award of costs upon the conclusion of the arbitration making any party to the dispute liable to pay the costs of another party to the dispute.
5. Arbitration proceedings as mentioned in the above clause regarding resolution of disputes may be commenced prior to, during or after completion of the contract.

Notwithstanding any reference to the arbitration herein, the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree that the Authority shall pay the Bidder any monies due to the Bidder.

**Rules of procedure for arbitration proceedings:**

Any dispute between the Authority and a Bidder who is a national of the Islamic Republic of Pakistan arising in connection with the present Contract shall be referred to adjudication or arbitration in accordance with the laws of the Islamic Republic of Pakistan including Arbitration Act 1940, however above provision shall prevail in referring the case to the Arbitrator.

**Place of Arbitration and Award:**

The arbitration shall be conducted in English language and place of arbitration shall be at Islamabad. The award of the arbitrator shall be final and shall be binding on the parties.



Bid Securing Declaration

## Form 9: Bid Securing Declaration

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

Bid No.: **PI0058**

To: **Pakistan Security Printing Corporation (Pakistan Security Printing Corporation), Deputy Manager Jinnah Avenue, Malir Halt., Airport Sub-Division, Malir (District), Karachi (Division), Sindh (Province).**

We, the undersigned, declare that:

We understand that, according to your conditions, Bids must be supported by a Bid Securing Declaration.

We accept that we will be blacklisted and henceforth cross debarred for participating in respective category of public procurement proceedings for a period of (not more than) six months, if fail to abide with a bid securing declaration, however without indulging in corrupt and fraudulent practices, if we are in breach of our obligation(s) under the Bid conditions, because we:

1. have withdrawn or modified our Bid during the period of Bid Validity specified in the Form of Bid;
2. Disagreement to arithmetical correction made to the Bid price; or
3. having been notified of the acceptance of our Bid by the Procuring Agency during the period of Bid Validity, (i) failure to sign the contract if required by Procuring Agency to do so or (ii) fail or refuse to furnish the Performance Security or to comply with any other condition precedent to signing the contract specified in the Bidding Documents.

We understand this Bid Securing Declaration shall expire if we are not the successful

Bidder, upon the earlier of (i) our receipt of your notification to us of the name of the successful Bidder; or (ii) twenty-eight (28) days after the expiration of our Bid.



Contract Form

## SECTION IX: CONTRACT FORMS

THIS AGREEMENT made the \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_ between **Pakistan Security Printing Corporation (Pakistan Security Printing Corporation), Deputy Manager Jinnah Avenue, Malir Halt., Airport Sub-Division, Malir (District), Karachi (Division), Sindh (Province).**

(hereinafter called “the Procuring Agency”) of the one part and [name of Bidder] of [city and country of Bidder] (hereinafter called “the Bidder”) of the other part:

WHEREAS the Procuring Agency invited Bids for provision of goods, viz., **REQ-0525-1-00013(LP/T-2399/26/FA) 1. HIRING OF SERVICES FOR INSTALLATION, COMMISSIONING AND TEST RUN OF COMPLETE EFFLUENT TREATMENT PLANT 2. PROJECT SUPPLY – EFFLUENT TREATMENT PLANT (AS PER BOQ) (P10058)** and has accepted a Bids by the Bidder for the provision of Goods 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 respectively assigned to them in the Conditions of Contract referred to.

2. The following documents shall be deemed to form and be read and construed as part of this Contract, In the event of any ambiguity or conflict between the Contract Documents listed below, the order of precedence shall be the order in which the Contract Documents are listed below:-

1. This form of Contract;
2. the Form of Bids and the Price Schedule submitted by the Bidder;
3. the Schedule of Requirements;
4. the Technical Specifications;
5. the Special Conditions of Contract;
6. the General Conditions of the Contract;
7. the Procuring Agency’s Letter of Acceptance; and
8. [add here: any other documents]

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

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

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

Signed, sealed, delivered by \_\_\_\_\_ the \_\_\_\_\_ (for the Procuring Agency)

Witness to the signatures of the Procuring Agency:

.....

Signed, sealed, delivered by \_\_\_\_\_ the \_\_\_\_\_ (for the Procuring Agency)

Witness to the signatures of the Bidder: .....





Integrity Pact

## Integrity Pact

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

Contract Number: Contract Value: Contract Title:

Dated:

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

Without limiting the generality of the foregoing [Name of Supplier] represents and warrants that it has fully declared the brokerage, commission, fee 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 consultations fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP, except that which has been expressly declared pursuant hereto.

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

[Name of Supplier] accepts full responsibility and strict liability for making and false declaration, not making full disclosure, misrepresenting fact 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 right and remedies available to GoP under any law, contract or other instrument, be voidable at the option of GoP.

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



## Performance Guarantee Form

## Performance Guarantee Form

To: **Pakistan Security Printing Corporation (Pakistan Security Printing Corporation), Deputy Manager Jinnah Avenue, Malir Halt., Airport Sub-Division, Malir (District), Karachi (Division), Sindh (Province).**

WHEREAS *[name of Bidder]* (hereinafter called “the Bidder”) has undertaken, in pursuance of Contract No. *[reference number of the contract]* dated *[insert date]* for provision of Goods (hereinafter called “the Contract”).

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

AND WHEREAS we have agreed to give the Bidders guarantee:

THEREFORE, WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Bidder, up to a total of *[amount of the guarantee in words and figures]*, and we undertake to pay you, upon your first written demand declaring the Bidder to be in default under the Contract and without cavil or argument, any sum or sums within the limits of *[amount of guarantee]* as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until the: *[insert date]*

Signature and seal of the Guarantors

---

*[name of bank or financial institution]*

---

*[address]*

---

*[date]*



Annexure

## (Annex - A) BOQ + Terms & Conditions Final

Please donot write financials with the Technical Part of Bid while uploading the document

Upload Document

Document Required

See Form Under Additional Forms and Documents: **(Annex - A) BOQ + Terms & Conditions Final** (page number: 73)

## (Annexure-B) Final Process Flow Diagram

Upload Document

Document Required

See Form Under Additional Forms and Documents: **(Annexure-B) Final Process Flow Diagram** (page number: 95)

## (Annexure-C) Sample Cost sheet for OPEX calculations

Upload Document

Document Required

See Form Under Additional Forms and Documents: **(Annexure-C) Sample Cost sheet for OPEX calculations** (page number: 96)

## (Annexure-D) Site for ETP Installation

Upload Document

Document Required

See Form Under Additional Forms and Documents: **(Annexure-D) Site for ETP Installation** (page number: 98)

## (Annexure - E) - Affidavit for Bidder's Blacklisting Status

Upload Document

Document Required

See Form Under Additional Forms and Documents: **(Annexure - E) - Affidavit for Bidder's Blacklisting Status** (page number: 99)

## Annex - F (Ownership Declaration)

Upload Document

Document Required

See Form Under Additional Forms and Documents: **Annex - F (Ownership Declaration)** (page number: 100)

## (Annex – G) – Manufacturer's Authorization Form

Upload Document

Document Required

See Form Under Additional Forms and Documents: **(Annex – G) – Manufacturer's Authorization Form** (page number: 103)

## (Annex – H) – Code of Conduct & Undertaking

Upload Document

Document Required

See Form Under Additional Forms and Documents: **(Annex – H) – Code of Conduct & Undertaking** (page number: 104)

## (Annex – I) Undertaking for Compliance with HSE

Upload Document

Document Required

See Form Under Additional Forms and Documents: **(Annex – I) Undertaking for Compliance with HSE** (page number: 111)

## (Annex – J) – Non-Disclosure Agreement

Upload Document

## Document Required

See Form Under Additional Forms and Documents: **(Annex – J) – Non-Disclosure Agreement** (page number: 112)

## (Annex – k) – Contract Forms

### Upload Document

### Document Required

See Form Under Additional Forms and Documents: **(Annex – k) – Contract Forms** (page number: 115)

## (Annex – L) – Integrity Pact

### Upload Document

### Document Required

See Form Under Additional Forms and Documents: **(Annex – L) – Integrity Pact** (page number: 119)

## (Annex – M) – Performance Guarantee Form

### Upload Document

### Document Required

See Form Under Additional Forms and Documents: **(Annex – M) – Performance Guarantee Form** (page number: 121)



## Procurement Forms

## Past Experience and Completed Contracts

COMPLETION CERTIFICATED ISSUED BY THE PROCURING AGENCY ON LETTER HEAD

See Form Under Additional Forms and Documents: **Past Experience and Completed Contracts** (page number: 122)

## Historical Contract Non-Performance, and Pending Litigation and Litigation History

See Form Under Additional Forms and Documents: **Historical Contract Non-Performance, and Pending Litigation and Litigation History** (page number: 123)

## Current Contracts and Their Progress

AWARDED CONTRACTS AND PURCHASE ORDERS

See Form Under Additional Forms and Documents: **Current Contracts and Their Progress** (page number: 125)

## Average Annual Turnover

ALSO ATTACH THE FINANCIAL STATEMENT OF LAST 3 YEARS

See Form Under Additional Forms and Documents: **Average Annual Turnover** (page number: 126)





## Additional Forms and Documents

# Technical Specifications

## 1.0 INTRODUCTION

Pakistan Security Printing Corporation (PSPC) is committed to optimizing its wastewater management practices in line with its sustainability goals. Following a detailed feasibility study, PSPC aims to consolidate all wastewater streams—industrial, municipal, and cooling tower bleed-off—into a centralized Effluent Treatment Plant (ETP). This facility will serve as a critical solution to ensure SEPA compliance, enhance operational efficiency, and minimize freshwater dependency through advanced recovery and treatment processes.

In lieu of above, PSPC seeks to establish a Centralized Effluent Treatment Plant (ETP) by hiring services of A Bidder to ensure efficient execution and long-term operational performance.

## 2.0 PSPC’S WASTEWATER STREAMS

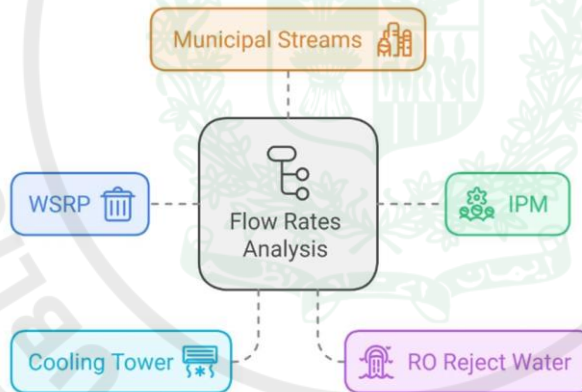


Figure 2-1 PSPC Wastewater sources

The following streams generate wastewater at PSPC:

- Industrial Effluent: Effluent from Wiping Solution Recovery Plant.
- Municipal Wastewater: Produced by residential estate, office, and shop floor facilities.
- IPM: Effluent from Intaglio Plate Making.
- Cooling Tower Bleed-Off: Caused by suboptimal cycles of concentration, leading to water and chemical waste.
- RO Reject: High TDS reject water from the RO system that requires further treatment.

## 2.1 DAILY EFFLUENT FLOWS

Table 1 Daily Effluent Flows

Parameters	Values of Main Stream (ppm)
pH value (@ 25deg C)	10
COD	3500
BOD 5	1300
TSS	2500
TDS	2800
Fat, Oil & Grease	65
Chloride	380
Total Toxic Metals	4.19
Copper	4.15
Total Iron	4.14
Sulphate	126

## 2.2 EFFLUENTS' QUALITY

Table 2 Effluent Quality

S.no	STREAMS	EFFLUENT	
		(GPD)	
		Min	Max
1	Quaid-e-Azam Block (WSRP)	1740	4500
2	Intaglio Plate Making (IPM)	20	26
3	Bleed-off from Cooling Towers	21,000	40,000
4	Municipal/ Sanitary Streams	67,000	108,000
5	Existing Reverse Osmosis Plant @ 77%	52,000	52,000
Total Daily Effluent		141,760	204,526

### 3.0 DESIRED TREATED WATER QUALITY

Effluent streams of PSPC → ETP → Ultra filtration → 1<sup>st</sup> Stage RO → 2<sup>nd</sup> Stage RO (final product ready for re use after recycling).

Table 3 Desired Water Quality

Stage Wise Desired Concentration (mg/L)							
Parameters	ETP Product	UF		1st Stage RO		2nd Stage RO	
		Feed	Product	Feed	Product	Feed	Product
pH value @ 25deg C	6.5 – 8.5	5.5 – 7.5	5.5 – 7.5	6.0-8.0	5.5 – 8.5	5.5 – 8.5	5.5 – 8.5
Total COD	< 150	< 70	< 40	< 40	< 1	< 80	< 1
BOD 5	< 50	< 20	< 10	< 10	< 1	< 20	< 1
TSS	< 100	< 50	< 5	< 1	< 1	< 1	< 1
TDS *	< 3000	< 3000	< 3000	< 3000	< 300	6000-8000	< 350
Fat, Oil & Grease	< 5	< 1	< 1	< 1	0	0	0
Chloride	< 1000	< 1000	< 1000	< 1000	< 100	< 3000	< 150
Total Toxic Metals	< 2.0	< 2.0	< 2.0	< 1.0	< 1	< 1	< 1
Copper	< 1.0	< 1.0	< 1.0	< 0.5	< 1	< 1	< 1
Total Iron	< 0.5	< 0.5	< 0.5	< 0.25	< 1	< 1	< 1
Sulphate	< 500	< 400	< 400	< 400	< 50	< 700	< 100
Color (TCU)	10	< 7	< 5	< 5	< 1	< 1	< 1

### 4.0 DESIGN

PSPC has completed a feasibility assessment and stream testing to obtain the data required for the process plant design. Based on this information, the effluent treatment plant was designed and subsequently validated through simulation analysis.

The finalized design, including the process flow diagram, has been attached to guide the Bidder.

## 5.0 SCOPE OF WORK

The ETP shall be constructed to treat effluent streams generated from Pakistan Security Printing Corporation, ensuring that the effluent conforms to the environmental discharge standards of regulatory bodies before being released or recycled.

The ETP shall consolidate the treatment of all wastewater streams as mentioned (*Table 1 Daily Effluent Flows*) into a centralized facility. The Bidder has to plan and execute the project in adherence to PSPC provided design and pre-defined policies.

The Effluent Treatment Plant (ETP) proposal must ensure operational reliability, reparability, and replaceability by incorporating redundancy in tanks, machinery, and the overall process to prevent disruptions during equipment replacement or tank rehabilitation. This shall be achieved through partitioned tanks allowing sectional maintenance, standby electromechanical (E&M) components for uninterrupted operations, and provisions for handling peak loads via additional machinery capacity or optimized chemical dosing.

The submittal must include;

- Detail drawings in compliance with attached (P&IDs, PFDs) complete project scheme.
- Breakup of OPEX.
- Structural drawings of plant (Civil Works and MEP) and IFCs.
- Separate drawing/design specification for every stage (Tanks, equipment and auxiliaries, etc.)
- Risk mitigation strategy to maintain process continuity during system overhauls, ensuring efficient, uninterrupted, and resilient treatment operations.
- Comprehensive breakdown of consumables and services along with replacement or preventive maintenance schedule for the period of minimum 10 years.

The project when executed must adhere to the approved operational parameters and provided scheme. Any deviation which shall materially impact the operational figures including but not limited to energy consumption, chemical dosage, effluent quality, and treatment capacity shall be subject to penalties as mentioned in Section 12. The Bidder must ensure that all sizing, equipment specifications, and respective operational efficiencies shall undergo a due approval process by PSPC Project team before proceeding towards supply of items.

## 6.0 TECHNICAL AND FUNCTIONAL REQUIREMENTS

The Bidder is responsible for the successful execution of the Effluent Treatment Plant (ETP) project, ensuring that all aspects are implemented, and maintained in accordance with the contract terms, technical specifications, and environmental regulations.

The Bidder's responsibilities include, but are not limited to, the following:

### 1. Site Survey and Topography:

- Conduct a comprehensive site survey and topographical analysis of the project area.

### 2. Coordination and Integration of Utilities:

- Ensure seamless coordination with relevant utilities (water, power, etc.) for smooth plant operation.
- Responsible for the identification and establishment of utility tie-in points and coordinate with PSPC timely to ensure proper electrical supply.
- The Bidder will be responsible for all E&M works beyond the tie-in point, ensuring proper distribution to plant equipment.

### 3. Submission of Drawings:

- Provide plant layout with reference to site location.
- Provide structural, Mechanical, Electrical, and Plumbing (MEP) drawings.
- Ensure all submittals are in line with the project design requirements and relevant industry standards.

### 4. Review of Existing Sewerage System:

- Assess the current sewerage & drainage system and its ability to integrate with the new ETP project.

### 5. Survey and Pipe Routing:

- Bidder must Conduct a survey before submission of bid for the installation of pipelines from the respective locations to the ETP.
- Highlight challenges and potential issues before the execution phase to avoid delays during construction and must seek formal approval in case of any deviation.

### 6. Verification and assessment of already Installed Equipment:

- Identify and verify the already installed MEP equipment that needs to be integrated with the ETP project.
- Conduct necessary assessments to ensure compatibility and optimal performance with the new system.
- Installation of Second Stage RO Along with the existing Equipment.

### 7. Submission of Operational Details:

- Submit operational details of the plant, including electrical load sheets and consumption data, for review.
- The plant must ensure optimal performance in terms of chemical dosage, retention time, aeration rate, pumping efficiencies, operational costs, etc.

#### 8. Coordination with PSPC for Brine Disposal and Alternatives:

- Coordinate with PSPC for the saline aquaculture project and explore alternatives for brine disposal.
- Ensure that brine disposal methods align with SEQs environmental standards.

#### 9. Coordination for Sludge Disposal Site:

- Prepare site for sludge disposal as per the plan and location shared by the procuring agency.
- Must ensure conformance to environmental regulations regarding sludge handling and disposal.

#### 10. Compliance to SEQs and Relevant Environmental Standards:

- The Bidder must ensure compliance with Sindh Environmental Quality Standards (SEQs) and relevant international standards, using the design as a foundational reference.

#### 11. Adherence to PSPC Guidelines:

- The Bidder must adhere to the detailed studies, simulation report and other relevant documents provided by PSPC for the ETP system, including analysis of wastewater characteristics, flow rates, and compliance requirements

#### 12. Risk Mitigation Strategy:

- The Bidder must implement a risk mitigation strategy to ensure process continuity during system overhauls, ensuring efficient and uninterrupted treatment operations.

## 7.0 TECHNICAL DETAILS

### **Finalized Treatment System/Scheme:**

Following is the proposed treatment scheme for PSPC wastewater:

- ❖ Automatic Mechanical Coarse Screen
- ❖ Equalization Tank
- ❖ Automatic Self Clean Drum Screen
- ❖ Neutralization Tank
- ❖ Coagulation Tank
- ❖ Flocculation Tank
- ❖ Dissolved Air Flotation (DAF)
- ❖ Aeration Tank
- ❖ Secondary Sedimentation Tank
- ❖ Treated Water Tank
- ❖ Sludge Thickener
- ❖ Sludge belt Press / Screw Press with Conditioning
- ❖ Pipe Flocculator
- ❖ Automatic Self-Cleaning Filter (20 Micron)
- ❖ Turbidex Media Filters
- ❖ Ultra-Filtration (UF) Plant
- ❖ Activated Carbon Filters (ACF)
- ❖ Reverse Osmosis (RO) Plant (With desired modifications & CIP system)

\*Process Flow Diagram Attached (Annexure-B)

S.no	Description	Qty	Unit	Brand/Make
<b>Site Preparation Preliminary Works:</b>				
<b>A</b>	<b>Site Preparation</b>			
1	<p>Clearing plantation (scattered) by cutting, removing all shrubs, trees, up to 6 inches (152 mm) girth, etc. and taking out their entire roots and filling the hollows with earth complete with dressing, consolidating and watering the filling including stacking the serviceable materials and disposal of useless materials for the area where ETP has to be constructed, including necessary pathways and driveways and development of pavements around 20 ft offsets of the ETP Plant and as per direction of Engineer/In charge. Estimated area for ETP is 2400 square meters.</p> <p>Civil Works for the all the tanks including submission of design drawings clearly mentioning elevations/ depths of the tanks for approval including required RCC stairs in elevated tanks, excavation in all type of soil up to the depth as required by the design of Contractor and back filling the excavated material, while coordinating with the existing underground utilities with PSPC and carry manual excavation to avoid any damage to existing utilities and coordination with Client for the necessary relocation of new constructions where necessary, compaction, dressing and disposal of surplus excavated stuff as directed, laying soling stones 6 inches to 9 inches (152 mm to 229 mm) size under floors including packing with spawls and chips and consolidating etc., Providing and laying cement concrete using graded stone ballast 2 inches (51 mm) and down gauge in foundation including levelling, compacting and curing etc., Providing and laying reinforced cement concrete using crushed graded boulders 3/4 inch (19 mm) and down gauge having a minimum works cube crushing strength of 3000 lbs. per sq. inch (20.69 N/mm<sup>2</sup>) at 28 days with a mix not leaner than 1:2:4 in foundation/wall/ top slab of tank including form works and its removal, levelling, compacting and curing etc. complete but excluding the cost of reinforcement. Including, providing and laying hard grade ribbed deformed (minimum yield point 60,000 psi) reinforcement bars with &amp; including the cost of straightening, cutting, bending, binding, wastage, and such overlaps as are not shown in the drawings, placing in position on cement concrete, tying with binding wire etc. in all kinds of RCC works. 1/2" (13 mm) thick cement plaster 1:4 on internal walls and external walls of raised tanks etc. including making edges, comers, and curing etc., Use of sulphate resisting cement. Providing and laying 3x water proofing layers of approved thickness and material complete as per specifications. Peripheral fencing of MS Iron 3ft height guard rail for all Open tanks, duly painted with redoxide and epoxy coated, including required RCC walking platform in case of raised tanks of appropriate design including access monkey ladders, etc. The civil works shall be in accordance with the Approved Design Drawings, as per the Tender specifications and shall include all the necessary items which are not mentioned here above to complete the Civil works up to the complete satisfaction of and instruction of Site-In charge.</p> <p>Construction of Site preparation also includes:</p> <ul style="list-style-type: none"> <li>• Prepare concrete platform/floor spanning over the complete area of the plant.</li> <li>• Barricade of area with metallic barrack.</li> <li>• Installation of shed and kiosk the plant.</li> <li>• Establishment of control room.</li> </ul>	1	Job	

2	Tree transplantation as per standard specification with cost of trimming as directed by PSPC Engineer. Note: Bidder is required to must visit the site.	1	Lot		

**Equipment, Allied auxiliaries and Installation:**

**Automatic Mechanical Coarse Screen**

1	Average Flow rate of 24 m <sup>3</sup> /hr. with the design peak flow of 30 m <sup>3</sup> /hr. Construction of influent flow channel for automatic mechanical coarse screen, should be constructed with defined slope towards Collection tank	1	Lot		
2	The design velocity through bars to be maintained between 0.6-0.8 m/sec. One screen will be installed with the opening of 5-10 mm.				
3	The material of construction of coarse screen must be Stainless Steel (SS 304). It Should have automatic/semiautomatic cleaning mechanism for screen & also have an automatic collection mechanism to collect all the solid waste. Bidder shall quote separately the cost of semi-automatic and automatic system, it would be at discretion of the procuring agency to choose any of the quoted items depending upon the functionality offered. It should have a flow meter (preferably electromagnetic type or equivalent) and a sampling port.				

**Equalization Tank**

1	<p>Underground Reinforced Concrete tank which must be provided with manhole for inspection and maintenance purpose. Flow shall be transmitted to the equalization tank via 6 in. pipeline and entry point should be near bottom but well above the sludge bed, whereas, the outlet point shall be around 2/3<sup>rd</sup> of tank total height and must be offset to prevent water Short-circuiting. The flow equalization chamber allows constant flow through the plant by equalizing flow surges that may be incurred during peak flow times. Tank volume should be 430 m<sup>3</sup> with maximum tank height of up to 4 meter and the tank shall be Rectangular in shape.</p> <p>Base: Diameter (D) = 10m (it may vary) Thickness = 250mm (approx.) Grade of Concrete = M20 (3000psi) HYSD Reinforcement of Grade Fe415 (60 Grade)</p> <p>Walls: Min. thickness of walls = 300mm (approx.) with double layer of HYSD Reinforcement of Grade Fe415 (60 Grade)</p> <p>Floor: Thickness = 200mm with single layer of HYSD Reinforcement of Grade</p>	1	Job	Civil works	
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	Fe415 (60 Grade)				
2	Designed for retention time of 18 hours.				
3	Equalization tank to be provided with aeration mechanism for agitation purpose with 1 operational and 1 standby blower. Blower should be able to supply air up to 350 Nm <sup>3</sup> /hr.				
4	Tank to be provided with following mentioned instrumentation for monitoring and control. Ultrasonic or pressure-based level sensors. Flow meter (Electromagnetic type) (Of E+H or equivalent) Online PH monitoring after equalization tank. Floating level switches for high/low alerts.		Lot		
5	Tank shall be provided with emergency bypass channel (Manual) to account for surge overflow for high inflow conditions				
6	The design should incorporate a vent/exhaust stack on top of the underground tank, along with a forced draft airflow system, to ensure that air is discharged at an altitude of minimum 10 meters or higher. This is necessary to prevent the spread of odors, especially due to the proximity of nearby residential areas.				
	<b>Equipment List (of 1-6)</b>			N/A	
	Equalization Tank, RCC, Rectangular (~430 m <sup>3</sup> volume; manhole, inlet/outlet diffusers)	1	Unit		
	Coarse Bubble diffusers (50-60 diffusers with combined diffuser capacity of 2-4 Nm <sup>3</sup> /hr.)	1	set		
	Side Channel Blower (duty/standby) + control panel (5 HP (3.7 kW) regenerative or rotary blower; ~350 Nm <sup>3</sup> /hr. @ 0.3-0.5 bar; with silencers) (Auto/VFD Operated)	2	Unit		
	Air distribution piping & diffusers (40 mm SS tubing, PVC diffusers, valves, silencers)	1	Lot		
	EQ Feed Pumps, Submersible, SS impeller type (up to 30 m <sup>3</sup> /h @ 15 m head; 7.5 kW each; one duty + one standby; 3-phase 400V/50Hz; AISI 316 impeller; coupling, baseplate)	2	Unit		
	Pump Control Panel (Local MCC starter with overload, pump selector switch (2/1), indicator lights)	1	Unit		
	Level Sensor (ultrasonic or pressure) (4–20 mA output; for equalization tank high-level alarm)	1	Unit		
	PH monitoring (panel-mount indicator)	1	Unit		
	Flow meter (electromagnetic) (DN150 insert flow meter; 4–20 mA output)	1	Unit		
	Butterfly valves (outlet, bypass) (DN150 wafer-type, 10 bar; actuator-ready)	2	Unit		
	complete UPVC fittings including all valves Gate valve (overflow bypass) (DN150 sluice gate; manual hand wheel)	1	Lot		

	Piping (HDPE or PVC) & fittings (DN150 (EQ to Neutralization), flanges, check valves, pipe supports.	1	Lot		
<b>Automatic Self-Cleaning Drum Screen</b>					
1	A mechanical filtration system designed for a flow of 24 m <sup>3</sup> /h with expected peak flow of 30 m <sup>3</sup> /h. The Mesh size of this rotating drum screen is 500 microns. The material of construction is Stainless steel (SS-304). It must have a wedge wire of 0.5 mm. It should be an automatic operated system (Fix speed motorized)				
	<b>Equipment List:</b>	1	unit		
2	Automatic Self-Cleaning drum system with complete automatic flushing & backwashing mechanism				
<b>Chemical Treatment System (Neutralization, Coagulation &amp; Flocculation)</b>					
1	The Chemical treatment System is designed for an optimal flow of 24 m <sup>3</sup> /h with expected peak flow of 30 m <sup>3</sup> /h.				
2	Neutralization Tank is designed for a retention time of 9 minutes, with the depth of 2.5 m, length of 1.5 m and width of 1 m. This neutralization tank is equipped with a Propeller type mixer with mixing speed of 180-200 rpm. A dosing tank of 500 liter should be installed for dosing of chemicals and it should also have its own mixer of propeller type (SS Body) with mixing speed of 150-180 rpm. The dosing pump must have the capacity to pump 40-50 L/h with the head of 2-3 Bar. The power of mixer motor is 1.2 KW.				
3	Coagulation Tank is designed for a retention time of 9 minutes, with the depth of 2.5 m, length of 1.5 m and width of 1 m. This Coagulation tank is equipped with a Propeller type mixer with mixing speed of 100-130 rpm. A dosing tank of 500 liter should be installed for dosing of coagulant and it should also have its own mixer of propeller type (SS Body) with mixing speed of 180-200 rpm. The dosing pump must have the capacity to pump 40-50 L/h with the head of 2 Bar. The power of mixer motor is 1.2 KW.				
4	Flocculation Tank is designed for a retention time of 37 minutes, with the depth of 2.5 m, length of 3 m and width of 2 m. This Flocculation tank is equipped with a Paddle type mixer with mixing speed of 25-30 rpm. Power of mixer motor is 2.2 KW. A dosing tank of 500 liter should be installed for dosing of coagulant and it should also have its own mixer of propeller type with mixing speed of 180-200 rpm. The dosing pump must have the capacity to pump 40-50 L/h with the head of 2 Bar. The power of mixer motor is 1.2 KW.				
	<b>Equipment List (of 1-4):</b>				
	A Neutralization Tank of (L x W x D=1.5 x 1 x 2.5) Polymeric tank, with propeller type mixer of 180-200 rpm. (fix speed)	1	Lot		
	Neutralizer Dosing Tank: include a 500 L mixing tank with mixer (Storage tanks for PH Neutralizer)	1	Lot		

	Neutralization Pump (duty + standby) (40-50 L/h @ 2-3 Bar head)	2	Lot		
	A Coagulant Tank of (L x W x D =1.5 x 1 x 2.5) with propeller type mixer of 180-200 rpm. (fixed speed)	1	Lot		
	Coagulant Dosing Tank: include a 500 L mixing tank with mixer (Storage tanks for coagulant)	1	Lot		
	Coagulant dosing Pump (duty + standby) (45-50 L/h @ 2 Bar head)	2	Lot		
	A Flocculant Tank of (L x W x D =3 x 2 x 2.5) with paddle type mixer of 180-200 rpm.	1	Lot		
	Flocculant Dosing Tank: include a 500 L mixing tank with mixer (Storage tanks for flocculant)	1	Lot		
	Flocculant dosing Pump (duty + standby) (45-50 L/h @ 2-3 Bar head)	2	Lot		
	PH Monitoring devices after neutralization and coagulation tanks	2	Lot		
<b>DAF – (Dissolved Air Flotation)</b>					
1	<p>Material shall be RCC, and must have provision of inspection and maintenance via manhole.</p> <p>Tank body shall be well reinforced with Angles and also beams for foundation and platform required for installation on the ground.</p> <p>Volume of tank to be designed in such a way that it must be able to accommodate 20% of total recycled flowrate.</p> <p>The inlet and outlet must be placed in such way that they are offset, to prevent water short circuiting.</p> <p>DAF tank should be designed for the retention time approximately 1 Hour (+- 5-10 min). It can handle average feed flow of 24 m<sup>3</sup>/h with expected peak flow of 30 m<sup>3</sup>/h</p> <p>It should have two inclined depths, 1st at 2.25 meter and 2nd at 2.5 meter.</p> <p>It should have width of 3 meter and length of 3.5 meters.</p> <p>The surface loading rate should be around 1.81 m<sup>3</sup>/m<sup>2</sup>.hr.</p> <p>Mechanized skimmer (chain-and-flight or oscillating scraper) to remove floated sludge to hopper.</p> <p>Tank should be designed so that fluid flow by gravity.</p>				
2	<p>DAF to be provided with following mentioned instrumentation for monitoring and control.</p> <p>Pressure monitoring for pressurized vessel.</p> <p>Internal Electrical Connection</p> <p>Electrical panel control CCM/PCM</p> <p>Sludge Pump + LT</p>				
3	<p><b>Other Auxiliaries:</b></p> <p>Recirculation pump</p>				

	Scum Skimmer Aeration System Purging valve (Gate Valve)				
	<b>DAF system includes the following Equipment (1-3):</b>				
	DAF Clarifier tank (flat-bottom with sludge hoppers; internal baffles; insp. Manhole)	1	Unit		
	Air compressor with vessel which gives minimum of 12 m <sup>3</sup> /hr. flow rate (duty + standby) (2–3 HP; deliver 6-8 bar pressure; receivers; gauge/regulator)	2	Unit		
	Auto Surface Skimmer mechanism (Chain-driven skimmer; steel flights; 0.75 kW drive)	1	Unit		
	Scum Pump (10 m <sup>3</sup> /h @ 5 m head)	1	Unit		
	Recirculation Pump (10 m <sup>3</sup> /h)	1	Unit		
	Valves (butterfly, check) (For recycle inlet/outlet; ANSI 150; SS body)	1	Unit		
	Sludge Manhole & Rakes (Scum chute; manual rake for sludge hopper)	1	Unit		
	Level Switches (DAF influent/sludge)	2	Unit		
	SCADA/PLC Interface panel (Controls for pumps/compressor)	1	Unit		
<b>Bio Reactor Tanks (Along with Aeration)</b>					
1	Two Reactors of below specification should be installed. Each Tank Volume: 300 m <sup>3</sup> Flow: Avg flow of 24 m <sup>3</sup> /h with expected peak flow of 30 m <sup>3</sup> /h Effective water Depth: 3.5m Retention Time: 12 Hrs. (for each tank) Material: RCC				
2	Aeration System: Fine bubble diffusers with DO control loop. Diffuser Capacity: 4-6 Nm <sup>3</sup> /hr. Quantity of Diffusers= 100-120				
3	MLSS (Mixed Liquor Suspended Solids) = 3500 mg/L MLVSS (Mixed Liquor Volatile Suspended Solids) = 3000 mg/L SRT (Solid retention time) = 10-12 days Limiting DO Concentration = 2.5 mg/L				
	<b>Equipment List (1-3):</b>				
	Aeration Tank of RCC (As specified above)	1	Unit		
	Blowers (duty + standby) (7.5 kW each; radial or centrifugal; 700-900 mbar @ 10 HP; for diffuser aeration)	2	Unit		
	Air diffuser grid (Fine-bubble diffusers (Silicone) on steel pipe headers; SS hardware)	1	Unit		
	Recirculation Pump (15 m <sup>3</sup> /h @ 6 m; 3 kW SS pump). (For Bypass) (submersible pump)	1	Unit		
	DO Analyzer (probe + transmitter) (Panel-mount display; 4–20 mA output)	4	Unit		
	Isolation valves (air supply) (Butterfly valves on diffuser headers)	2	Unit		
	MLSS control system (to manage the concentration of biomass)	1	Unit		

	Level Transmitters (For final effluent level)	1	Unit		
<b>Secondary Clarifier &amp; Sludge Handling</b>					
1	Function: Settles biological sludge after aeration process. Design: Centrally driven, circular tank with scum removal. Conical bottom, sludge recirculation bottom slope 1:12. Retention Time: 2–3 hours. Mechanism: Diagonal scraper arms. Scum baffles and surface skimmer. Hopper for sludge collection and removal.				
2	Diameter of tank: 5.64 m Depth of tank: 3 m Surface Area: 25 m <sup>2</sup> RCC Construction (co-joined with aeration tank)				
3	Sludge Collection System: Automatic sludge scraper or rake Motor Power: 1-2 kW for scraper mechanism Sludge Collection Hopper: For periodic sludge removal Sludge Discharge Mechanism: Continuous or periodic sludge discharge Inlet/Outlet Design: Inlet Pipe: 8-12 inches, for uniform distribution of influent water Outlet Pipe: 6-8 inches, designed for effluent flow				
4	Surface loading rate: 24 m <sup>3</sup> /(m <sup>2</sup> *day) Sludge Holding Tank of RCC to collect waste sludge. The load of primary sludge is 1050 KG SS/day and secondary sludge is 350 KG SS/day. Volume of Sludge holding tank is 90 m <sup>3</sup> with Hydraulic retention time of 24 Hrs. It Includes mixer, high/low level switches, and sludge feed pump.				
	Sludge dewatering Screw Press which can handle thickened sludge load of 1400 KG-SS/day or volume 70-75 m <sup>3</sup> /day. Conditioning and dewatering characteristics: Cationic polymer dosing of 5-8 ppm. Sludge dewatering load of 24 Kg-SS/hr. (8 Hours operation) with the flow of 8-10 m <sup>3</sup> /hr. and sludge cake content of 18-25 %.				
	<b>Equipment List (1-4):</b>				
	Secondary Clarifier Tank (With sludge hopper floor, reinforced base and access hatches)	1	Unit		
	Scraper Bridge & Mechanism (2-arm rake; 1 kW drive motor includes internal distributor; sludge pump-out port)	1	Unit		
	Sludge Pumps (35 m <sup>3</sup> /h @ 8 m; 5.5 kW each; SS impellers; one duty + one spare for Return Activated Sludge-RAS)	2	Unit		
	Scum Pump (10 m <sup>3</sup> /h @ 10 m; 5.5 kW each; SS, pump to sludge holding)	1	Unit		
	Clarifier Effluent Weir – SS Plate (For Inclined effluent channel weir)	1	Unit		
	Scum Collector Weir - Floating scum channel of SS	1	Unit		
	Sludge Holding Tank (As above)	1	Unit		
	Sludge Feed Pump to Press (3 m <sup>3</sup> /h @ 15 m; 3 kW SS pump; one duty + one standby)	2	Unit		
	Filter Press or Screw Press	1	Unit		
	Sludge Dewatering Tank (Filtrate Sump)	1	Unit		
	Valves (butterfly, wash) (On RAS, WAS, and filtrate lines)	2	Unit		
	Level Switches for clarifier sludge (Sludge blanket detection)	2	Unit		
<b>Ultra-Filtration System</b>					

1	<p>Tertiary filtration is the final polishing step in the treatment process, where any remaining suspended solids, microorganisms, and colloidal substances are removed. This UF system is designed on average flow of 24 m<sup>3</sup>/hr. with peak flow of 30 m<sup>3</sup>/hr.</p> <p>Pre- Treatment process:</p> <ul style="list-style-type: none"> <li>▪ A dosing tank of 150 Liters capacity with a propeller type mixer and a dosing pump of 10 lit/hr.</li> <li>▪ Two Turbidex multimedia with the vessel size of 48 in x 72 in each of FRP material.</li> <li>▪ Backwashing pump of capacity 30 m<sup>3</sup>/hr. with head of 3-4 bar.</li> <li>▪ Automatic Self-cleaning filter of mesh size 20-30 Micron with capacity of 30 m<sup>3</sup>/hr. which operates at 2-3 bar.</li> </ul> <p>Filtration Mechanism:</p> <p>Membranes specs: 08 UF membranes of brand Film Tec, Toray or equivalent. Surface area of the module is 51 m<sup>2</sup>. Recovery rates for the membranes should be 90%.</p>				
2	<p>Purpose: Final polishing before RO or discharge; removes TSS, bacteria, and macromolecules.</p> <ul style="list-style-type: none"> <li>• Membrane Type: Hollow fiber or flat sheet.</li> <li>• Pore Size: 0.1 micron.</li> <li>• Flux Rate: 10–15 L/m<sup>2</sup>/h.</li> <li>• Cleaning System: Backflush and chemical cleaning (CEB).</li> <li>• Fouling Index (SDI): Maintains &lt;3.</li> <li>• Materials: Hydrophilic polymer with fouling-resistant coating.</li> <li>• Monitoring: Integrated pressure gauges, TMP sensors, and real-time alarm system</li> </ul>				
<b>Equipment List (1-2):</b>					
	UF Feed Tank of FRP/PP (5 m <sup>3</sup> volumetric, SS inlet/outlet nozzles, level transmitter)	1	Unit		
	UF Membrane Modules (Polymeric fibers, 0.1 µm pore; capacity 25 m <sup>3</sup> /hr.; with pressure vessel skid)	1	Set		
	UF Feed Pumps, SS (30 m <sup>3</sup> /h @ 3 bar; 7.5 kW each; 400V; motors with VFD in MCC) (Centrifugal)	2	Unit		
	UF Backwash Pump with auto-valves (30 m <sup>3</sup> /h @ 3-4 bar; 2 kW; for backwash)	1	Unit		
	CIP Tank of PP (500 Liter, with mixer, chemical feed line)	1	Unit		
	CIP Pump (45 m <sup>3</sup> /h @ 3-4 bar)	2	Unit		
	CEB Dosing Tank (200 Liters)	3	Unit		
	CEB Dosing Pump (40 Lit/Hr. )	3	Unit		
	5 µm Cartridge Filters along with Housing (SS316 housing, PPF, 10" length)	4	Unit		
	1 µm Cartridge Filters along with Housing (SS316 housing, PPF, 10" length)	3	Unit		
	Valves & NRVs for UF lines (PVC/CPVC valves (butterfly, ball); check valves on pump discharges)	1	Unit		
	Pressure Gauges on UF feed/backwash (0–10 bar, SS case)	2	Unit		
	Flow Meter on UF feed (4–20 mA mag-flow, DN100)	1	Unit		
	Level Switches (High/Low floats for tank control)	4	Unit		

	Instrumentation (Field cable/connectors to PLC for level, flow, pressure)	1	Lot		
<b>RO system (Existing and 2<sup>nd</sup> Stage RO)</b>					
<b>A</b>	<b>1<sup>st</sup> Stage RO (Revamping/Enhancement of Existing RO)</b>				
1	<p>Feedwater Flow 24 m<sup>3</sup> (Peak flow 30 m<sup>3</sup>)  Design Feed TDS 2,800 mg/L  Normal temperature of water 25°C  Maximum temperature of water 35°C  Desired Recovery rate 70%  Salt rejection ≥ 96%  Product Quality TDS &lt; 200 mg/L  Feed Water Turbidity &lt;10 NTU  Desired Product Water Turbidity &lt;0.1NTU  Operating Pressure: 130 psi for brackish water</p>	1	Job		
<b>B</b>	<b>2<sup>nd</sup> Stage RO (Revamping/Enhancement of Existing RO)</b>				
1	<p>Reject from the existing RO which will have high TDS, salts, and residual contaminants from Stage-I RO and Drinking Water RO will then be fed to New RO for further desalination and purification leading to overall improved system recovery. The RO concentrate is to be dosed at existing RO with antiscalant and proceeded to multimedia filter to prevent any unnecessary load to New RO membrane. The membranes for 2<sup>nd</sup> stage RO shall be HBWRO/SWRO considering the greater salts concentration in feed (high salinity brine) and also higher salt rejection.  Influent Buffer tank must be provided to prevent overload on the system with capacity of up to 4500 gallons (Material PPR/HDPE).  .  Design of Pre-Treatment:  1 FRP Vessel of size 48 in x 72 in having activated carbon as multimedia.  High Flow cartridge filter (5 micron) of size 6 in x 40 in.  2 dosing tanks each of 80 liters capacity.  Anti-scalant and Biocide dosing pumps each of flow rate of 10 L/hr.  CIP Tank of 1000 liters capacity and CIP pump of 25 m<sup>3</sup>/h.</p> <p>Design of RO Plant:  RO Feed Pump of capacity of 24 m<sup>3</sup>/h at 3-4 bar.  RO HP Pump of capacity of 24 m<sup>3</sup>/h at 12-15 bar.  04 Housing of RO membranes and Skid of MS or SS.  20 RO Membranes with recovery rate of 70%.  Feed TDS of 2<sup>nd</sup> stage RO will be around 12000-15000 mg/L and product should be less than 200 mg/L.</p>	1	Job		
	<b>Equipment List:</b>				
	SS Piping & Fittings	1	Lot		
	Feed Pump 24 m <sup>3</sup> /hr, 3-4 bar, SS316, (1D + 1S)	2	Unit		
	Feed Pump VFD 2.2 KW	2	Unit		
	High Pressure Pump 24 m <sup>3</sup> /hr, 12-15 bar, SS316 (1D + 1S)	2	Unit		
	High Pressure Pump VFD 15 KW	2	Unit		
	CIP Pump 25 m <sup>3</sup> /hr, 3 bar, SS304	1	Unit		
	MMF Filter Vessel 48x72, Carbon Steel Tank with Epoxy lining	1	Unit		

Filter Media	32	Unit		
Gravel Stone, Anthracite coal and Sand (Local)	1	Lot		
Cartridge Filter Housing 20 x 4	2	Unit		
SWRO membranes: 2540 (30 nos.) / 4040 (12 nos.)		Unit		
RO Membrane Housings 4 membrane vessel, 450 psi	3	Unit		
CIP Tank 125 Gallons	1	Unit		
Antiscalant Dosing Pump 10 LPH, 3-4 Bar	1	Unit		
Acid Dosing Pump 10 LPH, 3-4 Bar	1	Unit		
Chemical Dosing Tank 70L, Polycon Super tuff	2	Unit		
Skid Structure MS, epoxy coated or SS	1	Lot		
Control Panel with PLC & HMI	1	Unit		
TDS / Conductivity Meters	2	Unit		
pH Controller	1	Unit		
Pressure Gauges	6	Unit		
Pressure Transmitter	6	Unit		
Flow Meters	2	Unit		
Solenoid Valve	4	Unit		
UPVC Piping & Fittings	1	Lot		
Conduiting / Support	1	Lot		

#### Miscellaneous

1	Metallic structure (staircase and walking/standing platform) above the plant which must have the provision to visually inspect all of tanks and equipment and also access to equipment for maintenance purpose.	1	Job		
2	Product tank for the supply of treated water.	1	Job		
3	Civil works of complete plant	1	Job		
4	MEP works of complete plant	1	Job		

#### International Standards and compliances and Approved Brand list:

S.no	Equipment	Approved Brands	Standards/Compliances to certification
1	Pumps	Grundfos /Danfoss /Wilo /KSB/Equip.	ISO 5199 (Design), ISO 2858 (Dimensions),ISO 9906 Grade 2B (Testing), CE, WRAS, RoHS, EU Eco-design Directive, UL/CSA, IEC 62443-4-1:2018, ISO 14001:2015,
2	Submersible pumps	Grundfos /Danfoss /Wilo /KSB/Equip.	Complies with ISO 9906 (testing), ISO 12100:2010, ISO13854:2019, ISO14120:2015, ISO13857:2019, EN60204-1:2018, IEC 60034 (motors), IEC 60529 (enclosure) EN IEC61000-6-2:2019, ENIEC61000-6-4:2019, ENIEC61000-3-2:2019, EN61000-3-3:2013.AI:2019
	Sludge/ Progressive cavity pumps	Grundfos /Danfoss /Wilo /KSB/Equip.	Complies with ISO 9906 , API 676 (rotary PD)
3	Dosing Pump	Grundfos /Danfoss /Wilo /KSB/Equip.	API 675 (controlled volume metering pumps), CE 2014/35/EU, EMC2014/30/EU, IEC61010-1, UL61010-1, ATEX2014/34/EU, EN

			1717, RoHS2011/65/EU, EC1907:2006
4	Blowers	Robuschi/Secoh/Medo/Equiv.	Complies with ISO 12100:2010, ISO13854:2019, ISO14120:2015, ISO13857:2019, EN60204-1:2018, EN IEC61000-6-2:2019, ENIEC61000-6-4:2019, EN IEC61000-6-3:2019, EN61000-3-3:2013.AI:2019
5	UF Membranes	Toray/Dupont/Akkim/Equiv.	NSF/ANSI 61, ISO 9001, ISO 14001, WRAS
6	Pressure Gages	Wika /Emerson /Yokogawa Elec. /Equiv.	
7	Pressure Switches	Danfoss/MPL/Equiv.	CE, UL/CSA, RoHS, EN 60947-1, ISO 9001
8	Pressure Sensors	WIKA/Honeywell/Emerson/Siemens/ Equiv.	
9	Flow meters	WIKA/Emerson/ Georg Fischer /Yokogawa Elec./Equiv.	ISO 5167, CE, RoHS
10	Activated Carbon Media Filter		ANSI/AWWA B604, NSF/ANSI 61 Certified
11	Self-cleaning filter	Sivtek/Tekleen/Filternox/Russell Finex/Equiv.	
12	Disc Filter	HydroTech/TIMEX/Xylem	
13	High Pressure Tanks / Pressure Vessels	Local	Complies with EN 13445, UKCA, UKSI 2016:1107, NSF 44, NSF 61, ANSI 372, ISO 9001, ISO 14001, ISO 45001
14	MS pipes	IIL/Equivalent	
15	GI Pipes	IIL/Equiv.	
16	HDPE/PVC pipes	IIL/Hydroplast/Adamjee/Equiv.	STM D1785, ASTM D2467, ISO 4422, RoHS
17	VFD	Siemens/ABB/Allen Bradley/Equiv.	Complies with EN IEC 61800-5-1, EN IEC 61010-1, UL61800-5-1, CSAC22.2, EN IEC 61800-3, EN EMC 61000-6-2, EN EMC 61000-6-4, LVD 2014/35/EU, EMC 2014/30/EU, RoHS 2011/65/EU, EN IEC 60034-30-1, EN 50598-2
18	Electrical Components	Schneider Electric/ Siemens/ Equiv.	IEC 60947, CE, UL, RoHS, ISO 9001
19	DO meter	ATS/Hanna/Seko/Equiv.	Complies with EN IEC 61010-1, UL61010-1, EN IEC 61326-1, EN EMC 61000-4-2, EN EMC 61000-4-3, LVD 2014/35/EU, EMC 2014/30/EU, RoHS 2011/65/EU, EC1907/2006, ASTM D888
20	pH meter	ATS/Hanna/Seko/Equiv.	
21	Valves and Fittings	KITZ/Tomoe/Equiv.	API 598, ASME/ANSI B16.34
22	RO membranes		
23	Solenoid Valves		
24	TDS / conductivity meter		

25	UPVC fittings		
26	PLC, HMI		Complies with ISO 9001:2015, ODVA, Reach, RoHS 2011/65/EU, RoHS 2015/863, CE 2014/30/EU, EN 61000-6-2:2005 + AC:2005, EN 55024:2010 + A1:2015, IEC 61000-4-2:2008,
<b>Note:</b>			
1	Certificate of compliance to the mentioned standards or their equivalent is a necessary requirement which must be furnished by the bidder.		
2	Bidder must also quote the items which are marked as optional, however, to include them in the work scope is at the discretion of PSPC team.		
3	Items and auxiliaries supplied to the PSPC must be accommodated with their evidence of origin and Good declaration certificate incase if the items are going to be imported.		
4	Material Test Certificate must be provided of all materials mentioned above.		
5	Conformance certificate and good declaration certificates must be provided of all imported components/material.		
6	Bidders must visit site before formally submitting the bid. (That can also be arranged along with pre bid meeting)		
7	All civil and respective MEP works will be executed on EPC basis; however, bidder must explicitly provide BOQ for this job should be provided in technical bid and subsequent financials must be enclosed in financial bid.		
8	HDPE or PVC pipes wherever installed must be of SCH 80.		
9	All BOQ items which are mentioned as job, bidder must explicitly share detailed item list where ever required.		
10	All Drawings & layouts pertaining to civil(including structural drawings), MEP, Process plant orientation must be submitted to PSPC team for prior approval.		
11	Plant must have tendency to be able to integrate with future BMS (Building management system).		

NOTE: Capex of Plant must not be mentioned in the technical bid, otherwise bid will be rejected on the basis Financial Disclosure.

However, it may be noted that the financial weightage will be calculated considering 60% of marks allocation to OPEX and 40 % marks allocation to CAPEX

## 11.0 PAYMENT TERMS:

Payments will be made as follows:

Table 5 Payment Terms after award of PO

Phase	Description	Payments of the contract Value	
		%	Remarks
Advance	Payment of mobilization advance upon submission of a valid insurance guarantee or bank guarantee.	10%	Upon submission and approval of insurance/bank guarantee.
Approval of Shop Drawing	Approval of shop drawings, process flow diagrams, and technical documentation.	5%	Upon approval of shop drawings by PSPC team.
Site Works Initiation & Equipment Order Placement	Site mobilization and placement of orders for long-lead equipment.	15%	Upon confirmation of equipment order and initiation of site works.
Construction	Execution of civil, mechanical, and electrical works in line with the design.	35%	Maximum 6 IPCs based on work progress
EM&I Material Arrival	Delivery of Electrical, Mechanical, and Instrumentation materials on site.	5%	upon verification of material arrival by PSPC and consultant.
Commissioning Phase	Includes pre-commissioning activities, system integration, and performance testing.	10%	upon successful commissioning and performance testing.
Project Closure	Final handover of the project after successful commissioning and submission of as-built drawings.	5%	upon final acceptance by PSPC.
Operations and Maintenance (O&M) Phase	Routine operation, scheduled maintenance, and compliance monitoring for six months' post-project handover.	5%	spread over quarterly payments during the O&M phases as quoted in BOQ under O&M section
Defect Liability Period (DLP)	Warranty and defect resolution period during which the Bidder is responsible for rectifying any issues.	10%	spread over 12 months after project completion, released quarterly upon

			satisfactory performance.
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## 12.0 PENALTIES

On the design that is provided by the procuring agency, the operational parameters claimed by the designer would be monitored throughout the defect liability period, the Bidder shall be liable for penalties if the executed plant exceeds the approved operational figures beyond the allowable tolerance limits as per BOQ. Penalties shall be imposed on a monthly frequency as follows:

### Energy Consumption:

- If total energy consumption exceeds the approved value by more than 5%, a penalty of 0.5% of the contract value per percentage point of excess consumption shall be imposed.
- If exceedance surpasses 10%, an additional 2% deduction from the contract value per percentage point shall apply.

### Chemical Dosage:

- If chemical dosage surpasses the approved levels by more than 10%, a penalty of 0.1% of the contract value per percentage point of excess consumption shall be imposed
- If exceedance reaches 15% or more,
- an additional 1% deduction from the contract value per percentage point shall apply.

### Effluent Quality:

- If treated effluent parameters (COD, BOD, TSS, TDS, etc.) exceed regulatory limits set in SEQS, the Bidder shall be fined PKR 25,000 per non-compliant parameter per month until compliance is restored.
- Repeated violations per month (more than 3 occurrences) will result in a deduction of 2% of the total contract value.

### Treatment Capacity Shortfall:

- If the plant fails to meet the approved treatment capacity (USGPD) by more than 5%, the Bidder shall be penalized PKR 5,000 per 1,000 US Gal shortfall per day until compliance is restored.
- If shortfall exceeds 10%, a 0.75% deduction from the contract value per percentage point shall apply.

### Operational Downtime:

- If the plant experiences unplanned downtime exceeding 24 hours due to equipment failure or any execution flaws, a penalty of PKR 10,000 per hour of downtime shall be imposed.
- If downtime exceeds 72 hours cumulatively within a month, an additional 2% deduction from the contract value shall apply.

### Note:

- All penalties shall be deducted from interim or final payments.
- The Bidder shall be given a 30-day rectification period before cumulative penalties are imposed.

- Persistent non-compliance may lead to contract termination and invocation of performance guarantees and necessary deductions from Defect Liabilities.





ETP & RECYCLING PLANT OPEX CALCULATIONS

Basis:	Value	Unit
Cost of Power	=	Rs/KW
Cost of Flocculant	=	Rs/litre
Cost of coagulant	=	Rs/litre
Cost of Hypochlorite	=	Rs/litre
Cost of GAC media bag	=	Rs/bag
Cost of PAC	=	Rs/kg
Cost of NaOCl	=	Rs/kg
Cost of NaOH	=	Rs/kg
Cost of HCL	=	Rs/kg
Cost of Antiscalant	=	Rs/kg
Cost of Biocide	=	Rs/kg
Cost of Cartridge filter	=	Rs/cartridge
Cost of UF membrane	=	Rs/membrane
Cost of RO membrane	=	Rs/membrane

ETP 24-30 m3/day

Electrical cost	Operation hrs	Qty	Connecting load	Operational load	Total Load/day	Rs. / day	Rs. / m3	Rs. / gallon
Effluent Transfer Pumps						0	0.0	#VALUE!
Equalization Blowers						0	0.0	#VALUE!
Neutralization dosing system						0	0.0	#VALUE!
Coagulant dosing system						0	0.0	#VALUE!
Flocculant dosing system						0	0.0	#VALUE!
Air Compressor for DAF						0	0.0	#VALUE!
Scum Pumps (DAF)						0	0.0	#VALUE!
Recirculation Pumps						0	0.0	#VALUE!
Reactor Blowers						0	0.0	#VALUE!
Auto surface skimmer						0	0.0	#VALUE!
Scraper Bridge in clarifier						0	0.0	#VALUE!
Scum Pump (Clarifer)						0	0.0	#VALUE!
Sludge feed pump to presses						0	0.0	#VALUE!
Filter presses or screw presses						0	0.0	#VALUE!
								0.0000 Rs/day
Chemical cost	Operation hrs	Qty	Dosing rate (mg/l)	Price/unit	Total dosing per day	Rs. / day	Rs. / m3	Rs. / gallon
Caustic dosing					0	#VALUE!	#VALUE!	#VALUE!
Neutralization dosing					0	0	0.0	#VALUE!
Coagulant dosing					0	#VALUE!	#VALUE!	#VALUE!
Flocculant dosing					0	#DIV/0!	#DIV/0!	#DIV/0!
								#VALUE! Rs/day
								#VALUE! Rs/day
								#REF! Rs. / Gallon (UK)

RECYCLING

GAC FILTER	Operation hrs	Qty	Life of media (yrs)	Price / bag	Rs. / day	Rs. / m3	Rs. / gallon	
GAC filter media					0	#DIV/0!	#DIV/0!	
								#DIV/0! Rs. / Gallon (UK)
ULTRA FILTRATION	Operation hrs	Qty	Connecting load	Operational load	Total Load/day	Rs. / day	Rs. / m3	Rs. / gallon
UF Feed Pumps						0	0.0	#DIV/0!
UF Backwash Pumps						0	0.0	#DIV/0!
CIP Pumps (UF)						0	0.0	#DIV/0!
								#REF! Rs. / Gallon (UK)
Chemical cost	Operation hrs	Qty	Dosing rate (Kg/day)	Price/unit	Total dosing per day	Rs. / day	Rs. / m3	Rs. / gallon
PACI dosing					0	0.0	#DIV/0!	#DIV/0!
NaOCl dosing					0	0.0	#DIV/0!	#DIV/0!
Hcl dosing					0	0.0	#DIV/0!	#DIV/0!
NaOH dosing					0	0.0	#DIV/0!	#DIV/0!
								#DIV/0! Rs. / Gallon (UK)
Ultra Filtration membrane detail	Operation hrs	Qty	Life of media (yrs)	Price / membrane	Rs. / day	Rs. / m3	Rs. / gallon	
UF membrane					0	#DIV/0!	#DIV/0!	
								#DIV/0! Rs. / Gallon (UK)
								#DIV/0! Rs. / Gallon (UK)
REVERSE OSMOSIS	Operation hrs	Qty	Connecting load	Operational load	Total Load/day	Rs. / day	Rs. / m3	Rs. / gallon
Feed Pumps						0	0.0	#DIV/0!
Dosing Pump						0	0.0	#DIV/0!
Cleaning pump						0	0.0	#DIV/0!
High pressure pump						0	0.0	#DIV/0!
								#DIV/0! Rs. / Gallon (UK)
Chemical cost	Operation hrs	Qty	Dosing rate (Kg/day)	Price/unit	Total dosing per day	Rs. / day	Rs. / m3	Rs. / gallon
Antiscalant dosing					0	0	0.0	#DIV/0!
Biocide dosing					0	0.00000	0.0	#DIV/0!
								#DIV/0! Rs. / Gallon (UK)
Ultra Filtration membrane detail	Operation hrs	Qty	Life of media (yrs)	Price / membrane	Rs. / day	Rs. / m3	Rs. / gallon	
RO membrane					0	#DIV/0!	#DIV/0!	
RO Cartridge					0	0.0	#DIV/0!	
								#DIV/0! Rs. / Gallon (UK)
								#DIV/0! Rs. / Gallon (UK)
								#DIV/0! Rs. / Gallon (UK)

DEPRICIATION COST m3/day

OPEX

Plant detail	Operation hrs	Qty	Seller scope	Buyer scope	Civil scope	total price PKR	Dep cost @ 10%/annum	Rs. / gallon
ETP						0.0	0	#DIV/0! Rs. / Gallon (UK)
UF + RO						0.0	0	#DIV/0! Rs. / Gallon (UK)
								#DIV/0! Rs. / Gallon (UK)

**LABOUR COST**

**Employees Detail**

- Shift Engineers
- Shift operators
- Shift fitters
- Lab technician
- Shift electrician + Instrument

m3/day	Operation hrs	Qty	Qualification

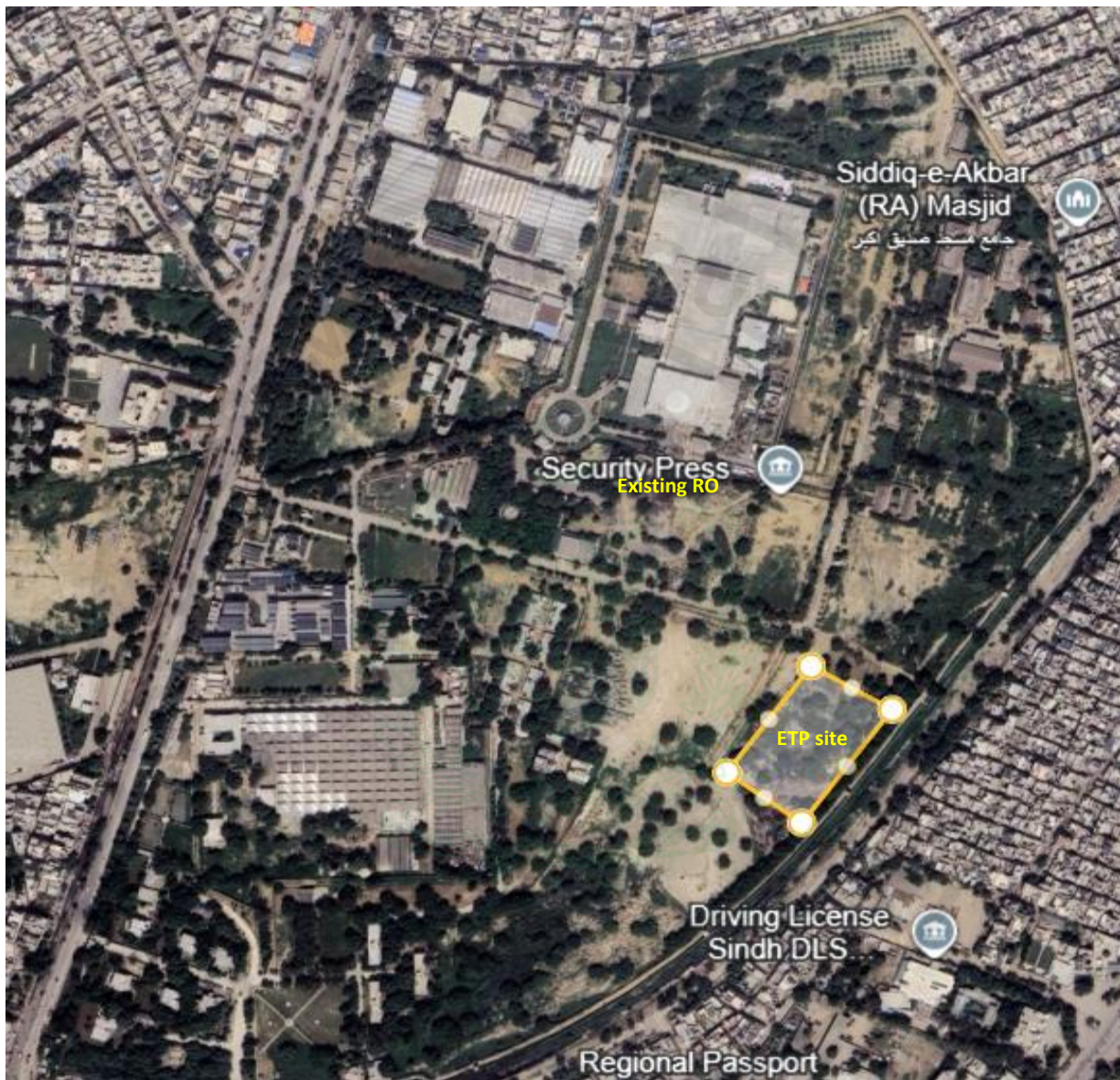
0.000 Rs. / Gallon (UK)

>>>> TOTAL OPERATING COST								#DIV/0! Rs. / Gallon (UK)
								#DIV/0! Rs. /m3

The bidder is allowed to add any other chemicals that they deem appropriate with detailed costing  
 The bidder is allowed to add any other resources that they deem appropriate with detailed costing  
 For Reference, The Bidder must provide the real time OPEX of of the previous plants that have been installed by them.



**Site for ETP Installation:**



EPADS

(Annexure – E) – Affidavit for Bidder’s Blacklisting Status

ITB No: \_\_\_\_\_  
Title: \_\_\_\_\_  
Bidder: \_\_\_\_\_

[Required on non-judicial stamp paper; value of Rs. 100 stamp paper should be as per required value as per Stamp Duty Act]

To:

Deputy General Manager (Purchase)  
Purchase Department  
Pakistan Security Printing Corporation (Pvt.) Ltd  
Jinnah Avenue, Malir Halt,  
Karachi –Pakistan

**Affidavit for Bidder’s Blacklisting Status**

Dear Sir,

I/We hereby confirm and declare that I/We, [Manager], has/have not been Blacklisted/Sanctioned by any Federal or Provincial Government Department, National Counter Terrorism Authority (NACTA), Agency, Organization or Autonomous Body anywhere in Pakistan during last 05 (five) years.

Detection of false declaration / statement at any stage of the entire Bidding Process / Currency of the Contract shall lead to Disqualification and forfeiture of Bid Security and/or Performance Guarantee and termination of contract.

Seal & Signature of Bidder: \_\_\_\_\_

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

## (Annexure – F) - Declaration for Ultimate Beneficial Owners Information

ITB No: \_\_\_\_\_  
 Title: \_\_\_\_\_  
 Bidder: \_\_\_\_\_

### Declaration of Ultimate Beneficial Owners Information for Public Procurement Contracts

1. Name:
2. Father's Name/Spouse's Name:
3. CNIC/NICOP/Passport no:
4. Nationality:
5. Residential address:
6. Email address:
7. Date on which shareholding, control or interest acquired in the business:
8. In case of indirect shareholding, control or interest being exercised through intermediary companies, entities or other legal persons or legal arrangements in the chain of ownership or control, following additional particulars to be provided:

1	2	3	4	5	6	7	8	9	10
Name	Legal form (Company/Limited Liability Partnership/Association of Persons/Single Member Company/ Partnership Firm/ Trust/Any other individual, body corporate (to be specified))	Date of incorporation/	Name of registering authority	Business Address	Country	Email address	Percentage of shareholding, control or interest of BO in the legal person or legal arrangement	Percentage of shareholding, control or interest of legal person or legal arrangement in the Company	Identity of Natural Person who ultimately owns or controls the legal person or arrangement

9. Information about the Board of Directors (details shall be provided regarding number of shares in the capital of the company as set opposite respective names).

1	2	3	4	5	6	7	8
Name and surname (InBlock Letters)	CNIC No. (in case of foreigner ,Passport No)	Father's/ Husband's Name in full	Current Nationality	Any other Nationality (ies)	Occupation	Residential address in full or the registered/ principal office address for a subscriber other than natural person	Number of shares taken by each subscriber (in figures and words)
<b>Total number of shares taken (in figures and words)</b>							

10. Any other information incidental to or relevant to Beneficial Owner(s).

Name & signature  
(Person authorized to issue notice on behalf of the company)

Seal & Signature of Bidder:	
Date:	



## (Annexure – G) – Manufacturer’s Authorization Form

*[The Bidder shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be on the letterhead of the Manufacturer and should be signed by a person with the proper authority to sign documents that are binding on the Manufacturer. The Bidder shall include it in its Bid, if so indicated in the BDS.]*

Invitation No: \_\_\_\_\_  
Title: \_\_\_\_\_  
Bidder: \_\_\_\_\_

To: *[Pakistan Security Printing Corporation (Pvt.) Ltd]*

WHERE  
AS

We [ \_\_\_\_\_ ], who are official manufacturers of *[insert type of goods manufactured]*, having factories at *[insert full address of Manufacturer’s factories]*, do hereby authorize *[insert complete name of Bidder]* to submit a Bid the purpose of which is to provide the following Goods, manufactured by us *[insert name and or brief description of the Goods]*, and to subsequently negotiate and sign the Contract.

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

Signed: [ \_\_\_\_\_ ]

Name: [ \_\_\_\_\_ ]

Title: [ \_\_\_\_\_ ]

Dated on \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ *[insert date of signing]*

## (Annexure – H) – Code of Conduct & Undertaking

### Objective

This Code of Conduct aims to establish PSPC's business and employment practices on the highest standards of ethical behavior, integrity, accountability, courage and excellence.

It also aims to ensure that all concerned adhere to PSPC's defined core values, act with prudence, protect the interests of PSPC and maintain a positive work environment.

### Scope

This Code of Conduct is applicable on all PSPC Employees, Contract Employees, Trainees, Apprentices, Deputationist, Outsourced Workforce, and other stakeholders.

### General Behavior

The ethical principles of the Corporation prevail over the concerned individual's personal origins, beliefs, values, opinions, preferences, or habits at all times. All concerned, while they are in PSPC's service, shall strictly adhere to the following rules of General Behavior at all times which include, but are not limited to, the following responsibilities:

- 3.1. Comply with all applicable laws, including, but not limited to, those pertaining to general employment, anti-fraud, corruption, bribery, anti-discrimination, anti-harassment, health, safety and environmental protection.
- 3.2. Conduct themselves honestly and carry out their duties diligently and impartially to the best of their abilities, in compliance with the applicable rules, regulations, policies and procedures, as defined by PSPC from time to time.
- 3.3. Maintain highest standards of ethics and professionalism and devote their working activities to the service of PSPC.
- 3.4. Not guarantee or promise employment of any type to anyone for any length of time.
- 3.5. Assist and advise colleagues and show openness and transparency in all dealings with them.
- 3.6. Do not withhold information from concerned colleagues that may affect the conduct of business, particularly in order to gain a personal advantage. Providing false, inaccurate or exaggerated information, refusing to cooperate with colleagues or demonstrating any form of obstructive behavior is strictly not allowed.
- 3.7. Not indulge in any activity during off duty hours that directly or indirectly undermines the provisions of this Code, other PSPC rules, policies and procedures, or brings disrepute to PSPC.
- 3.8. Refrain from indulging in any illegal and unlawful activity including but not restricted to substance abuse and consumption of alcohol, drugs or any kind of intoxicant(s), as well as, any sort of gambling/betting activities, etc.

3.9. Officers of PSPC performing supervisory functions/roles on behalf of PSPC shall take every possible care to act within the delegated authority as provided by any law, rules or regulations under which such officers may purport to act.

## Fraud, Embezzlement & Misrepresentation

4.1. All concerned shall not commit, or assist any activity that involves making false statements, fraud, forgery, misappropriation, theft, embezzlement, bribery, misrepresentation, violation of PSPC rules and regulations, policies and procedures or any similar activity that harms, or may harm the interest and reputation of PSPC.

4.2. Be honest in conveying professional conclusions, opinions, research and findings for whatever purpose and shall not manipulate the system for personal gains.

4.3. Refrain from indulging in any illegal and unlawful activity.

4.4. Abstain from any false or intentionally misleading information and declarations, bogus documents, and submit false or misleading claims with wrong information.

## Discrimination and Harassment

5.1. All concerned shall treat all internal and external stakeholders with respect, fairness and courtesy and avoid all such forms of behavior that create or may create an atmosphere of harassment, hostility, intimidation and discrimination of any kind, especially involving age, gender, health, ancestry, physical disability, race, religion, length of service, political beliefs, marital status or family structure.

5.2. Shall not propagate in any manner whatsoever sectarianism, ethnic / regional hatred / animosity and take part in sectarian, ethnic, linguistic or parochial activities, as well as partiality or favoritism on these bases, indulge in nepotism, victimization, willful abuse of power, and unwarranted negative criticism and gossip about other employees.

5.3. Avoid creating / sending / forwarding electronic or any other form of communication that contains statements or material, which is discriminatory, offensive, defamatory, illegal or constituting harassment.

5.4. Refrain from engaging in any form of inappropriate relationship with persons with whom they have a professional relationship.

## Confidentiality

6.1. All concerned shall maintain strict confidentiality of PSPC and its constituents affairs and shall not communicate directly or indirectly to their colleague(s) or (ex) employee(s) belonging to other department(s) or profession or to the press or public, any document or information which has come into their possession in the course of their official duties, or has been prepared or collected by them in the course of their duties, whether from official sources or otherwise, unless compelled to do so by judicial or other authority or unless instructed to do so by a superior officer in the discharge of his / her duties.

This confidentiality must be maintained by the employee even after the cessation of their employment with PSPC.

6.2. All concerned shall not give any evidence, document, or any information before a public committee without the prior approval of the Competent Authority.

6.3. Interaction or communication directly or indirectly on behalf of PSPC with foreign governments, media, and missions in Pakistan without seeking clearance from the competent authority is not permissible.

## Use of PSPC Assets and Resources

7.1. All concerned are required to use PSPC assets such as properties, office equipment, supplies etc. for PSPC's business purposes and not for gain or benefit of persons or entities other than PSPC, including self.

7.2. Material information such as information contained in any file, document, note, report, letter, fax, USB, email, instrument, etc. held by the concerned must be used solely for the purpose of PSPC business and returned to PSPC upon cessation of employment / contract agreement.

7.3. Official information, documents, reports, proposals, research papers, software, etc. developed using PSPC time and resources constitute PSPC's intellectual property. All concerned will neither have the right to claim these as their own, nor shall they use/exploit the same for personal gain or benefit of persons or entities other than PSPC during or beyond cessation of their employment with PSPC.

## Political Affiliation

8.1. No employee of PSPC shall take part in or subscribe in aid of or assist in any way, any political activity / movement in Pakistan or relating to the affairs of Pakistan, or take part in, or in any way assist, any movement or activity, which is, or tends directly or indirectly to be, subversive to Government as by law established in Pakistan or detrimental to the ideology or integrity of Pakistan.

8.2. Employees shall not canvass or otherwise interfere with or use their influence in connection with or take part in any election to a legislative body, whether in Pakistan or elsewhere, provided that an employee who is qualified to vote at such election may exercise their right to vote; but if he/she does so, he/she shall give no indication of the manner in which he/she proposes to vote or has voted.

## Attendance and Punctuality

9.1. All concerned shall not leave the office or absent himself / herself from duty, without prior permission of the Competent Authority.

9.2. Strictly adhere to defined break timings, as defined by PSPC from time to time.

## Conflict of Interest

10.1. All concerned are required to recognize and disclose activities that might give rise to conflicts of interest or the perception of conflicts and to ensure that such conflicts are properly managed or avoided. All disclosure should be made at the time the conflict arises, or when it is recognized that a conflict may be perceived, in writing to the supervisor. If the supervisor also has an interest in the matter, the disclosure shall be made to the next higher level of authority.

10.2. While an officer is serving in PSPC, their spouse, children and siblings will henceforth not be eligible for recruitment in PSPC, SBP and/or any of its other subsidiaries.

## Gifts and Entertainment

11.1. Except as permitted, employees shall neither receive nor give any gift(s) or favor(s), in cash or any kind, from / to any organization, including those stakeholders (individual, entities or person created by law) who are in contact with PSPC.

11.2. The above instructions will not be applicable in case;

- a. A gift received for value of up to Rs 10,000 provided aggregate value of gifts received / given from / to during a fiscal year from same source does not exceed Rs 20,000;
- b. Advertising materials including trade discounts that an individual or entity normally offers to its general customers;

11.3. The intended recipient will politely refuse the offer of gifts valuing above. However, where such refusal may impact the official relationships, the gift so received would be immediately, but not later than 72 hours, surrendered to HR.

## Prohibitions

12.1. Smoking or other use of tobacco products (including, but not limited to, cigarettes, pipes, cigars, electronic Cig, snuff, or chewing tobacco) is not permitted within the office premises. Employees may smoke outside in open air, at the designated areas, without compromising on the working hours.

12.2. Use of any sort of drug including Pan, Gutka, Naswar, etc. within the office premises is not allowed.

## Self-Disclosure of Criminal Conviction

All employees are required to self-disclose any criminal offence for which any investigating agency have taken cognizance and for which a conviction has been decided against such an employee by any court of law while being professionally engaged with PSPC irrespective of the nature of engagement.

## Health & Safety

All employees must take measures to promote safe working practices, and follow the instructions given by the Health, Safety, and Environment Team from time to time.

## Whistleblowing

All concerned are responsible to immediately report any alleged ethical misconduct or fraud. The employees may raise their concerns through a written report or email at [whistleblower@pspc.gov.pk](mailto:whistleblower@pspc.gov.pk). For more information on the applicability of this policy, refer to Whistleblowing Policy.

## Compliance with the rules of conduct

### Role of line managers

16.1.1. Line managers shall take the necessary measures to encourage respect for the rules of conduct within the entities for which they are responsible.

16.1.2. Managers should ensure that employees placed under their authority are aware of this code.

16.1.3. Apart from the vigilance, line managers are expected to behave in an exemplary manner as regards respect for the principles and rules set out in this code.

16.2. Any information pertaining to violation of this Code must immediately be reported to Director Human Resources.

16.3. If Director Human Resources is found to be violating this Code, MD may be reported. In case of violation by MD, Chairman PSPC may be reported.

## Reporting Confidentially

17.1. All stakeholders when reporting to Director HR shall be deemed to have made such report in strict confidence.

17.2. Human Resource Department shall not disclose the identity of concerned employee to other parties unless it is in the interest of the Corporation or it is required by law.

## Consequences of Violating the Code

18.1. Any employee who violates the Code shall be subject to disciplinary action.

18.2. Failure to report deviations of the Code by all concerned may result in disciplinary action. Similarly, failure to report deviations of the Code by other stakeholders may result in the termination of their relationship with the Corporation.

## Interpretation

This policy shall supersede all previous policies on the subject. In case of any ambiguity in understanding this Policy, the interpretation of the Managing Director will be treated as final. Any exception to the policy shall be approved by the Managing Director on the recommendation of Director HR and shall be reported to Board Human Resource Committee

for ratification.



## Undertaking for Compliance with Code of Conduct

**Bidder Name:** \_\_\_\_\_

**Bidder Representative (If any):** \_\_\_\_\_

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

I, the undersigned, on behalf of [Bidder Company Name], hereby acknowledge that I have received, read, and understood the Code of Conduct established by [Procuring Agency Name].

As a bidder participating in the procurement process, I undertake to:

1. Adhere to the highest standards of integrity and professionalism in all interactions with PSPC
2. Ensure that all communications and representations made during the bidding process are truthful and transparent.
3. Comply with all applicable laws, regulations, and policies outlined in the Code of Conduct.
4. Avoid any conflicts of interest and disclose any potential conflicts promptly.
5. Report any unethical behavior or violations of the Code of Conduct to the appropriate authorities within PSPC.

I understand that any breach of this undertaking or the Code of Conduct may result in disqualification from the bidding process and potential legal consequences.

**Authorized Signature:** \_\_\_\_\_

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

**(Annexure - I)**  
**Undertaking for Compliance with**  
**Health, Safety & Environment (HSE) Policy of PSPC**

**Bidder Name:** \_\_\_\_\_

**Bidder Representative (If any):** \_\_\_\_\_

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

As a bidder participating in the procurement process, I undertake to comply with all applicable HSE laws, regulations and industry standards; and with all following HSE requirements of PSPC:

1. Suppliers / Contractors are responsible for the health, safety and well-being of their employees. The contractors will also be responsible to provide relevant personal protective equipment (PPEs) to their workforce where required.
2. Suppliers / Contractors who have their own HSE management system, shall provide details of the same on request.
3. The contractor / suppliers must take all necessary safety precautions related to the performance of contract in order to protect all worksites, including all personnel and property of the PSPC, the contractor, all third parties and the communities.
4. Contractor shall ensure that all personnel are adequately trained & skilled to perform the task assigned.
5. Supplier / Contractor shall ensure compliance with PSPC policies, procedures and applicable legal and regulatory requirements after award of contract and during execution. These policies and procedures can be obtained upon request from Purchase Department.
6. Contractor shall adhere to set standards and requirements for environmental protection.

I, the undersigned, on behalf of [Bidder Company Name], hereby acknowledge that I have received, read, and understood the HSE requirements of PSPC.

**Authorized Signature:** \_\_\_\_\_

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

**(Annex - J) - Non-Disclosure Agreement****Rs. 500/- Stamp Paper Print**

P.O.#: \_\_\_\_\_

**NON-DISCLOSURE AGREEMENT (NDA)**

This agreement is entered into as of ..... day of..... Year

between

**Pakistan Security Printing Corporation (Pvt.) Limited**, Manufacturer of Banknotes and Prize Bonds registered under the laws of Pakistan, having its registered office at Jinnah Avenue Malir Halt, Karachi, through its authorized representative \_\_\_\_\_ (hereinafter referred to as '**PSPC**', which expression, where the context so requires and permits, shall mean and include its successors-in-interest, administrators, executors, legal representatives and permitted assigns );

and

\_\_\_\_\_, having its registered office at ..... through its authorized representative (hereinafter referred to as '**.....**' which expression, where the context so requires and permits, shall mean and include its successors-in-interest, administrators, executors, legal representatives and permitted assigns).

(PSPC and \_\_\_\_\_ are hereinafter collectively referred to as the "Parties" and individually as a "Party").

**'Agreement'** means this Agreement and all written amendments and revisions made thereto from time to time.

**"Effective Date"** means the date of execution of this Agreement.

**'State'** means the territory of the Islamic Republic of Pakistan.

**WHEREAS**

The Parties to this Agreement wishes to enter into an Agreement concerning the disclosure of certain proprietary and confidential information, whereby it will be necessary for each party (the "**Disclosing Party**") to disclose to the other Party (the "**Receiving Party**"), as the case may, information of a confidential or proprietary nature for the purposes as defined in the Agreement (**Authorized Purpose**) (irrespective of the form of presentation or communication including, but not limited to data, notes, analyses, compilations, studies, physical objects, samples, financial information, technical information, cost information, techniques, , material, methods, processes, sources and any other information, however, described, which is or could be valuable in the type of business in which Disclosing Party is engaged) provided that any disclosure of information made in writing shall be marked confidential or with words of similar effect and that any disclosure made orally shall subsequently be reduced to writing by the Disclosing Party and marked confidential or with words of similar effect with a copy sent to the Receiving Party within 30 days of disclosure ("Information").

**IT IS AGREED AS FOLLOWS:**

1. This Agreement will apply to any disclosure of Information on the Effective Date. This Agreement may be terminated by any Party after giving a prior notice of 30 (Thirty) days' in writing; or immediately if the Disclosing Party has reason to believe that the Receiving Party is in breach of any of the obligations contained herein. Such termination shall not affect any obligation imposed by this Agreement with respect to Information received prior to such termination.
2. Receiving Party shall hold and protect the Confidential Information in the same manner as it protects its own confidential information and in any event such protection shall not be less than that which a reasonable person or business would take in protecting its own confidential information; and shall use the Confidential Information for the sole and exclusive benefit of the Disclosing Party. Receiving Party shall carefully restrict access to Confidential Information and only disclose Information on a need-to-know basis to such of its employees, contractors, agents, representatives and consultants as is reasonably required, and are under similar obligations of confidentiality as contained in this Agreement, the use whereof shall be restricted for Authorized Purpose only.

Receiving Party shall not, without the prior written approval of the Disclosing Party, use, publish, copy, or otherwise disclose the Confidential Information to others, or permit the use by others for any purpose other than the Authorized Purpose. Receiving Party shall, forthwith upon receipt of a written request from the Disclosing Party or on termination:

- (i) return all information supplied by the Disclosing Party as well as items and materials relating to or derived from the Information;
- (ii) deliver to the Disclosing Party or at its request destroy immediately all items and materials made by the Receiving Party containing Information, that are not returned pursuant to paragraph (i) above;
- (iii) not keep copies or duplicates of any items or materials referred to in paragraphs (i) or (ii) above; and
- (iv) provide a certificate signed by a senior officer of the Receiving Party confirming that the provisions of this clause have been complied with.

3. This Agreement shall not apply to any Information which the Receiving Party: (a) can show is or becomes publicly available through no fault of the Receiving Party; (b) can show was in its possession prior to the date of disclosure; (c) may subsequently receive from any third party legally in possession of the Information and who was not restricted from disclosing it; (d) can show is independently acquired by the Receiving Party as a result of work carried out by an employee, consultant or contractor of the Receiving Party to whom no disclosure of Information has been made; or (e) is required to disclose pursuant to a court order or any law/rules/regulations provided that the Receiving Party shall have given prior written notice to the Disclosing Party.
4. This Agreement shall not be deemed to confer or imply the grant or agreement to grant by the Disclosing Party to the Receiving Parties of any of its rights under copyright, patents, trademarks, design rights or other similar rights. All Information supplied hereunder is supplied on an "as is" basis and the Disclosing Party gives no representation or warranty as to its accuracy, completeness or fitness for any purpose other than the Authorized Purpose. The Disclosing Party shall not be liable for any loss or damage suffered by the Receiving Parties as a result of any Receiving Party's use of the Information.

5. This Agreement does not create any agency or partnership relationship and each party shall act as an independent entity. This Agreement will not be assignable or transferable by the Parties. All additions or modifications to this Agreement must be made in writing and signed by the Parties.
6. Notices shall be delivered personally, or by prepaid first class mail, or transmitted by facsimile to the Parties at such address or number as the parties shall specify from time to time.
7. The Receiving party may obtain consent of the Disclosing party for any waiver of rights, to share information received under this Agreement to a third party for the Authorized Purpose. Any waiver of any right under this Agreement is only effective if it is in writing and applies to the specific circumstance for which it has been given.
8. In the event of a breach, Disclosing Party shall be entitled, in addition to any other remedies and damages available at law or in equity, to an injunction to restrain the violation thereof by Receiving Party, or its employees, contractors, agents, representatives and consultants,
1. This Agreement shall be governed by and shall be construed in accordance with the laws of Pakistan. In case of any dispute and difference which may arise in connection with the execution of the contract, the matter shall be referred to Director Operations of Corporation, who shall take decision in the matter. In case the dispute remains unresolved, the matter will be resolved through arbitration as per the Arbitration Act, 1940.

In WITNESS WHEREOF, the parties have executed this Agreement and shall be effective as of the date first above written.

For and on behalf of  
Pakistan Security Printing Corporation

\_\_\_\_\_

For and on behalf of

This Agreement has been executed in the presence of the following witnesses:

1. Full Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 CNIC No: \_\_\_\_\_

2. Full Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 CNIC No: \_\_\_\_\_

# (Annex - K) CONTRACT FORMS

(TO BE EXECUTED ON N.J. STAMP PAPER VALUING 0.35% OF PURCHASE ORDER)

PURCHASE CONTRACT (SUPPLY)

PURCHASE ORDER # \_\_\_\_\_

This agreement made on the \_\_\_\_ day of \_\_\_\_\_ effective from \_\_\_\_ between Messrs, \_\_\_\_\_, hereinafter referred to as SUPPLIER & Pakistan Security Printing Corporation (Pvt) Limited, Karachi, Pakistan, hereinafter referred to as BUYER on the following terms as conditions: -

- |    |                   |   |   |
|----|-------------------|---|---|
| 1. | COMMODITY         | : | _____   |
| 2. | SPECIFICATIONS    | : | _____   |
| 3. | COUNTRY OF ORIGIN | : | _____   |
| 4. | QUANTITY          | : | _____   |
| 5. | UNIT PRICE        | : | _____   |
| 6. | TOTAL VALUE       | : | _____   |
| 7. | PACKING           | : | _____   |
| 8. | TERMS OF PURCHASE | : | Free delivery at BUYER Factory situated at Jinnah Avenue, Malir Halt, Karachi |

The following documents shall be deemed to form and be read and construed as part of this Contract, In the event of any ambiguity or conflict between the Contract Documents listed below, the order of precedence shall be the order in which the Contract Documents are listed below:-

- a. This form of Contract;
- b. the Form of Bid and the Price Schedule submitted by the Bidder;
- c. the Schedule of Requirements;
- d. the Technical Specifications;
- e. the Special Conditions of Contract;
- f. the General Conditions of the Contract;
- g. the Procuring Agency's Purchase Order
- h. Integrity Pact
- i. Performance Security (Guarantee) Form
- j. Undertaking of Code of Conduct

## 9. DELIVERY:

The SUPPLIER shall deliver the goods within as per Purchase order from the date of Purchase Order, to the authorized representative of the Corporation and obtain his signature with name and designation, otherwise the BUYER will not be responsible for the goods delivered. No supply shall be made on holidays & after 4 pm from Monday to Thursday & 1 pm on Friday & Saturday.

## 10. LIQUIDATED DAMAGES:

The SUPPLIER shall pay to the BUYER at the rate of 2% per month or part of month for the value of the stores which the SUPPLIER has failed to deliver within the stipulated period, provided that damages shall not exceed 10% of the total price payable under the Purchase Contract, otherwise BUYER will make deduction from SUPPLIER'S bill.

**11. FORCE MAJEURE**

The SUPPLIER shall not be held responsible for late or non-delivery of the goods due to strikes and generally recognized force majeure causes. However, in such cases, the SUPPLIER shall deliver to the BUYER a certificate of the accident issued by the competent Government Authority and/or the Chamber of Commerce at the place where the accident occurred as evidence thereof, reasonable extension shall be granted at the option of the Corporation.

**12. INSPECTION**

The BUYER or his authorized representative shall have the right to inspect any goods after or before the dispatch from the SUPPLIER'S Factory or premises. However, such inspection shall not absolve the SUPPLIER from the responsibility or liability for the delivery of goods according to the contracted specification nor shall be interpreted so as in any way to imply acceptance of such goods.

**13. WARRANTY**

The SUPPLIER hereby gives a warranty that the supplies to be made by him will be highest grade in quality consistent with the established and generally accepted standards. The SUPPLIER Shall protect and indemnify the BUYER against loss, damages and expenses whatever that the BUYER may suffer as a result of failure of the material to render useful service and that this warranty to remain effective after inspection and payment, as to the patent or latent defect detected after installation or use for a period of \_\_\_\_\_.

**14. CLAIM.**

If the SUPPLIER fails to deliver the goods within the period stipulated in the contract, or if the goods are short in weight, or if the packing of the goods is not in conformity with the contracted specification or reference samples, or if the goods otherwise not in accordance with the contracted specifications, the BUYER shall have the right in addition to and notwithstanding their right to claim compensation for breach of contract, to terminate the un-executed part of the contract and make purchases from other sources at the risk and cost of the SUPPLIER. The supplier shall settle all claims referred by the BUYER within fifteen days of the receipt of the same and in the event of their failure to do so, shall be liable to pay interest @ 14% per annum of the amount claimed

**15. PERFORMANCE GUARANTEE.**

5% Performance Guarantee is required of the total contract amount for the entire contract period and would be kept with PSPC for a period of 2 years after project completion. The Performance Guarantee shall be in the form of Payment order / Demand Draft or an unconditional Bank Guarantee or insurance guarantee (*PACRA Rating AAA & AA+ only*) enforceable in Pakistan as per Performance Guarantee form specified in the Bidding Documents.

In case of successful bidder, bid security will be treated as performance guarantee.

**16. OTHER CONDITIONS:**

- A) The SUPPLIER shall arrange delivery of goods with advance Note or Delivery Challan on which the Purchase Order No. quantity and suppliers name must be mentioned. Otherwise it shall be liable to non-acceptance and held by the BUYER at the SUPPLIER risk and if not cleared by them within a week time, go down expenses shall be charged at actual.

B) The SUPPLIER shall not transfer or assign directly to any person or person any portion of this contract without prior written consent of the Buyer.

### 17. PAYMENT.

Part supply / Services Part Payment may be allowed as per BOQ. Payment shall be made by the BUYER through cheque within 30 days of receipt of two copies of the invoice/ bill by the G.M (F&A) P.S.P.C and one copy by the Purchase Order Manager P.S.P.C. along with copy of relevant advice note or challan and acceptance certificate from the BUYER authorized Officer/ Stock Controller.

Phase	Description	Payments of the contract Value	
		%	Remarks
Advance	Payment of mobilization advance upon submission of a valid insurance guarantee or bank guarantee.	10%	Upon submission and approval of insurance/bank guarantee.
Approval of Shop Drawing	Approval of shop drawings, process flow diagrams, and technical documentation.	5%	Upon approval of shop drawings by PSPC team.
Site Works Initiation & Equipment Order Placement	Site mobilization and placement of orders for long-lead equipment.	15%	Upon confirmation of equipment order and initiation of site works.
Construction	Execution of civil, mechanical, and electrical works in line with the design.	35%	Maximum 6 IPCs based on work progress
EM&I Material Arrival	Delivery of Electrical, Mechanical, and Instrumentation materials on site.	5%	upon verification of material arrival by PSPC and consultant.
Commissioning Phase	Includes pre-commissioning activities, system integration, and performance testing.	10%	upon successful commissioning and performance testing.
Project Closure	Final handover of the project after successful commissioning and submission of as-built drawings.	5%	upon final acceptance by PSPC.
Operations and Maintenance (O&M) Phase	Routine operation, scheduled maintenance, and compliance monitoring for two years' post-project handover.	5%	spread over quarterly payments during the O&M phases as quoted in BOQ under O&M section

Defect Liability Period (DLP)	Warranty and defect resolution period during which the Bidder is responsible for rectifying any issues.	10%	spread over 12 months after project completion, released quarterly upon satisfactory performance.
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**\* The 5% defect liability period amount may be submitted in the form of a valid insurance guarantee by an insurance company having a PACRA rating of AAA or AA++.**

#### 18. TAXES & CHARGES.

Supplier shall pay all taxes & charges with respect to transaction of business under this contract agreement liable under any law enforce for the time being which may subsequently enforce during the execution of this agreement.

#### 19. ARBITRATION

In case of any dispute and difference which may arise in connection with the execution of the contract, the matter shall be referred to Managing Director of Corporation, who shall take decision in the matter.

In case the dispute remains unresolved, the matter will be resolved through arbitration as per the Arbitration Act, 1940.

#### 20. TERMINATION

The purchaser, without prejudice to any other remedy for breach of contract, by written notice of default sent to the supplier, may terminate this contract in whole or in part:

- A- If the supplier fails to deliver any or all of the goods within the period(s) specified in the contract, or within any extension thereof.
- B- If the supplier fails to perform any other obligations(s) under the contract.
- C- If the supplier, in the judgment of purchaser, has engaged in corrupt or fraudulent practices in competing for or in executing the contract. In the event the purchaser terminates the contract in whole or in part, the purchaser may procure, upon such terms and in such manner as it deems appropriate, goods & services similar to those undelivered, and the supplier shall be liable to the purchaser for any excess costs for such similar goods or services. However, the supplier shall continue performance of the contract to the extent not terminated.

For and on behalf of CORPORATION

For and on behalf of the CONTRACTOR

Signature.: _____	Signature. _____
Name. _____ PAKISTAN SECURITY PRINTING CORPORATION (Pvt.) LTD. Jinnah Avenue, Malir Halt, Karachi.	Name. _____ _____ _____
WITNESSES: -	
Signature : _____	Signature : _____

**(Annex - L)**  
**Integrity Pact**

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

Contract Number: \_\_\_\_\_

Contract Value: \_\_\_\_\_

Contract Title \_\_\_\_\_

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

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

Without limiting the generality of the foregoing [Name of Supplier] represents and warrants that it has fully declared the brokerage, commission, fee 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 consultations fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP, except that which has been expressly declared pursuant hereto.

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

[Name of Supplier] accepts full responsibility and strict liability for making and false declaration, not making full disclosure, misrepresenting fact 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 right and remedies available to GoP under any law, contract or other instrument, be voidable at the option of GoP.

Notwithstanding any rights and remedies exercised by GoP in this regard, [Name of Supplier] agrees to indemnify GoP for any loss or damage incurred by it on account of its corrupt business practices

and further pay compensation to GoP in an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by [Name of Supplier] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP.

\_\_\_\_\_  
[Buyer]

\_\_\_\_\_  
[Seller/Supplier]



(Annexure – M)

Performance Security (or guarantee) Form

To: [Subject]

WHEREAS *[name of Supplier]* (hereinafter called “the Supplier”) has undertaken, in pursuance of Contract No. *[reference number of the contract]* dated *[insert date]* to delivery *[description of goods and services]* (hereinafter called “the Contract”).

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

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

THEREFORE, WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Supplier, up to a total of *[amount of the guarantee in words and figures]*, and we undertake to pay you, upon your first written demand declaring the Supplier to be in default under the Contract and without cavil or argument, any sum or sums within the limits of *[amount of guarantee]* as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until the: *[insert date]*

Signature and seal of the Guarantors

---

*[name of bank or financial institution]*

---

*[address]*

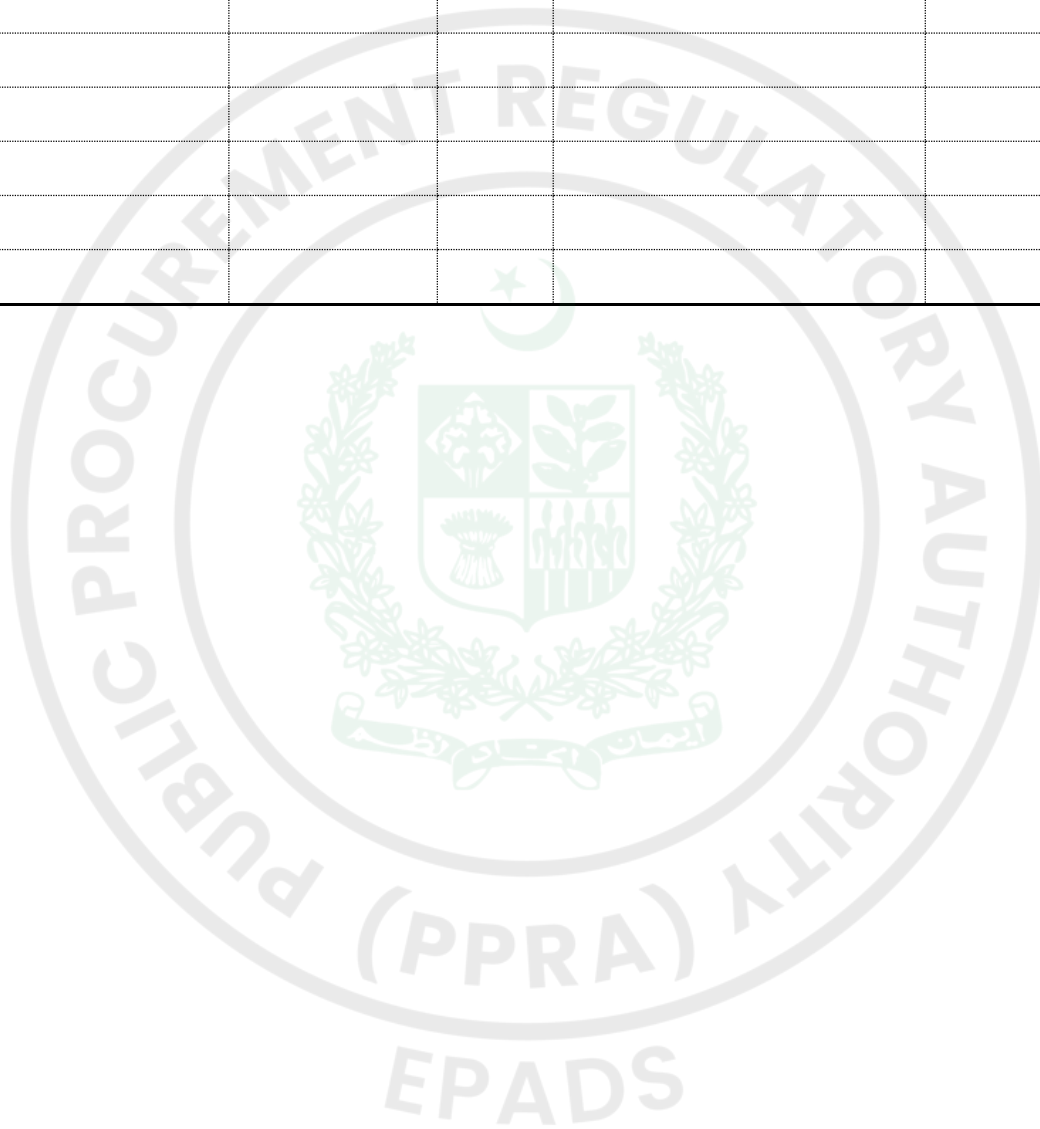
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*[date]*

## Past Experience / Contracts

Contracts over *[insert amount]* during the last three years:

Procuring Agency	Value	Year	Goods/Services Supplied	Country of Destination



## Historical Contract Non-Performance, and Pending Litigation and Litigation History

*[The following table shall be filled in for the Applicant and for each member of a Joint Venture]*

Applicant's Name: *[insert full name]*

Date: *[insert day, month, year]*

Joint Venture Member Name: *[insert full name]*

IFP No. and title: *[insert IFP number and title]*

Page *[insert page number]* of *[insert total number]* pages

<input type="checkbox"/> Not debarred due to deviation from commitment of Bid Securing Declaration- <input type="checkbox"/> Not debarred due to non-performance			
Year	Non-performed portion of contract	Contract Identification	Total Contract Amount (current value, currency, exchange rate and PKR equivalent)
<i>[insert year]</i>	<i>[insert amount and percentage]</i>	Contract Identification: <i>[indicate complete contract name/ number, and any other identification]</i> Name of Procuring Agency: <i>[insert full name]</i> Address of Procuring Agency: <i>[insert street/city/country]</i> Reason(s) for nonperformance: <i>[indicate main reason(s)]</i>	<i>[insert amount]</i>
Pending Litigation, in accordance with Section III, Qualification Criteria and Requirements			
<input type="checkbox"/> Pending litigation in accordance with Section III, Qualification Criteria and Requirements, Sub-Factor 2.3 as indicated below.			
Year of dispute	Amount in dispute (currency)	Contract Identification	Total Contract Amount (currency), US\$ PKR Equivalent (exchange rate)

[insert year]	[insert amount]	<p>Contract Identification: [indicate complete contract name, number, and any other identification]</p> <p>Name of Procuring Agency: [insert full name]</p> <p>Address of Procuring Agency: [insert street/city/country]</p> <p>Matter in dispute: [indicate main issues in dispute]</p> <p>Party who initiated the dispute: [indicate "Procuring Agency" or "Supplier"]</p> <p>Status of dispute: [Indicate if it is being treated by the Adjudicator, under Arbitration or being dealt with by the Judiciary]</p>	[insert amount]
<input type="checkbox"/> No consistent history of court/arbitral award decisions in accordance with Section III, Qualification Criteria and Requirements, Sub-Factor 2.4. <input type="checkbox"/> Consistent history of court/arbitral award decisions in accordance with Section III, Qualification Criteria and Requirements, Sub-Factor 2.4 as indicated below.			
Year of award	Outcome as percentage of Net Worth	Contract Identification	Total Contract Amount (currency), PKR Equivalent (exchange rate)
[insert year]	[insert percentage]	<p>Contract Identification: [indicate complete contract name, number, and any other identification]</p> <p>Name of Procuring Agency: [insert full name]</p> <p>Address of Procuring Agency: [insert street/city/country]</p> <p>Matter in dispute: [indicate main issues in dispute]</p> <p>Party who initiated the dispute: [indicate "Procuring Agency" or "Supplier"]</p> <p>Court/ arbitral award decision: [Indicate if the award decision was against the Applicant or any member of a joint venture.]y]</p>	[insert amount]

## Current Contract Commitments / Contracts in Progress Form

1. Name of Contract(s)
2. Procuring Agency Contact Information [insert address, telephone, fax, e-mail address]
3. Value of outstanding contracts [current PKR equivalent]
4. Estimated Delivery Date
5. Average monthly invoices over the last six months (PKR/mon.)

## Average Annual Turnover (Annual Sales Value)

*[The following table shall be filled in for the Applicant and for each member of a Joint Venture]*

Applicant's Name: *[insert full name]*

Date: *[insert day, month, year]*

Joint Venture Member Name: *[insert full name]*

IFP No. and title: *[insert IFP number and title]*

Page *[insert page number]* of *[insert total number]* pages

Annual Turnover Data			
Year	Amount Currency	Exchange rate* (If applicable)	PKR equivalent
<i>[indicate calendar year]</i>	<i>[insert amount and indicate currency]</i>		
			Average Annual Turnover **

\* Refer ITA for date and source of exchange rate.

\*\* Total PKR equivalent for all years divided by the total number of years. See Section III, Qualification Criteria and Requirements, ITA.