



JINNAH SINDH MEDICAL UNIVERSITY, KARACHI

BIDDING DOCUMENT FOR

**TENDER FOR SUPPLY OF MAJOR EQUIPMENTS,
DENTAL CHAIRS, DENTAL MATERIALS AND
INSTRUMENTS FOR SINDH INSTITUTE OF ORAL
HEALTH SCIENCES, J.S.M.U, KARACHI.**

May, 2016

Jinnah Sindh Medical University

Rafiqi H.J. Shaheed Road, Karachi. Postal Code# 75510

www.Jsmu.edu.pk Tel: 99204776, 35223812-15 (Ext- 350) Fax # 99201372

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JINNAH SINDH MEDICAL UNIVERSITY KARACHI. PLANNING & DEVELOPMENT DEPARTMENT

Ref: JSMU/P.D/NIT/1019/

Dated: _____

NOTICE INVITING TENDER

Sealed Bids are invited from manufacturers or authorized agents registered with Tax Authorities for the supply and fixing of following items: (Single Stage two envelopes procedure):

- The Bidding shall be Single Stage – **Two Envelopes** Procedure. **First Envelope** should contain Technical Proposal only and be clearly marked as **TECHNICAL PROPOSAL**.
- **Second Envelope** should contain Financial Proposal (Rates) along with earnest money @ 2% of the quoted rates in shape of Pay Order / Demand Draft (Refundable).
- **Both the Envelopes** should be sealed separately and placed in a **Third Envelope**. The Name of the **Bidder** to be clearly marked on all Envelopes.
- Bidding Documents fee in the form of pay order / demand draft **Rs. 3000/-** in favor of **Jinnah Sindh Medical University, Karachi**. (Non – Refundable)

1. SUPPLY OF MAJOR EQUIPMENTS, DENTAL CHAIRS, DENTAL MATERIALS AND INSTRUMENTS FOR SINDH INSTITUTE OF ORAL HEALTH SCIENCES, J.S.M.U, KARACHI.

TERMS AND CONDITIONS:

1. Bidding Documents can be collected from the Planning & Development Department, 3rd Floor, Jinnah Sindh Medical University, Karachi. Telephone No. 021-35223812-15 Ext-350, Fax 021-99201372 from **12-08-2015** to **29-08-2015** during office hours.
2. Bidding Documents can also be downloaded from SPPRA i.e. www.pprasindh.gov.pk and this university website www.jsmu.edu.pk.
3. The details / specifications are mentioned in bidding documents.
4. The tenders will be received back up to **29-08-2015** at 11:00 AM and will be opened on the same day at 11:30 AM in the presence of Procurement Committee and the bidders or their authorized representatives who wish to be present.
5. Bid Security amounting to 2% of Bid Price should be submitted along with Bid in shape of Pay Order in favor of Jinnah Sindh Medical University, issued by any scheduled Bank of Pakistan.
6. The bid security will be forfeited to the Government, if the bidder withdraws his bid after opening and before the expiry of the bid validity period or fails to sign the contract if the bid is accepted.
7. The bidder must compulsory participate in complete package on Bid.
8. Conditional Bid and Bid without bid security shall not be considered.
9. GST / Income Tax certificates, as the case may be, must be accompanied with the tender/Bid.
10. The Procuring agency may reject all or any bid at any time prior to the acceptance of a bid or proposal, subject to the relevant provisions of SPPRA Rules-2010 (amended 2013).

Advisor P&D / Procurement

Planning & Development Department
Jinnah Sindh Medical University,
Karachi.

**Eligibility
and
Qualification**

contract if its bid is accepted.

- a) that, in the case of a Bidder offering to supply goods under the contract which the bidder did not manufacture or otherwise produce, the bidder has been duly authorized by the good Manufacture or producer to supply the goods in the Islamic Republic of Pakistan.
- b) that the Bidder has the financial ,technical ,and production capability necessary to perform the contract;
- c) that the Bidders meets the qualification criteria listed in the Bid Data Sheet.

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

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

- (a) a detailed description of the essential technical and performance characteristics of the goods;
- (b) the Bidder shall note that standards for workmanship, material ,and equipment, as well as references to brand names or catalogue numbers designated by the Procuring agency in its Technical Specification are intended to be descriptive only and not restrictive :till stated otherwise in Technical Specifications or Bid Data Sheet .The Bidder may substitute alternative standards, brand names , and /or catalogue numbers in its bid , provided that demonstrates to the Procuring agency's satisfaction that the substitutions ensure substantial equivalence to those designated in the in the Technical Specifications

9. Bid Security

9.1 The bid security is required to protect the Procuring agency against the risk of Bidder's conduct, which would warrant the security's forfeiture The bid security shall be denominated in the currency of the of the bid:

- a) at the Bidder's option, be in the form of either demand draft/call deposit or an unconditional bank guarantee from a reputable Bank:
- b) be submitted in its original form: copies will not be accepted;
- c) remain valid for a period of at least 14 days beyond the original validity period of bids, or at least 14 days beyond any extended period of bid validity.

9.2 bid security shall released to the unsuccessful bidders once the contract has been signed with the successful bidder or the validity period has expired.

9.3 The successful Bidder's bid security shall be discharged upon the Bidder signing the contract, and furnishing the performance security.

- 9.4 The bid security may be forfeited:
- a) if a Bidder withdraws its bid during the period of bid validity or
 - b) in the case of a successful Bidder, if the bidder fails:
 - (i) to sign the contract in accordance or
 - (ii) to furnish performance security
10. **Period of Validity of Bids**
- 10.1 Bids shall remain valid for the period specified in the Bid Data Sheet after the date of bid opening prescribed by the Procuring agency. A bid valid for a shorter period shall be rejected by the Procuring agency as non responsive.
- 10.2 In exceptional circumstances, the Procuring agency may solicit the Bidder's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. The bid security shall also be suitable extended. A Bidder may refuse the request without forfeiting its bid security. A Bidder granting the request will not be required not be required nor permitted to modify its bid.
11. **Format and Signing of Bid**
- 11.1 The Bidder shall prepared an original and the number of copies of the bid indicated in the Bid Data Sheet, clearly marking each **"ORIGINAL BID"** as appropriate. In the event of any discrepancy between them, the original shall govern.
- 11.2 The original and the copy or copies of the bid shall be typed or written in indelible ink and shall be signed by the Bidder or a person or persons duly authorized to bind the Bidder to the contract. All pages of the bid, except for unamended printed literature, shall be initialed by the person or persons signing the bid.
- 11.3 Any interlineations, erasures, or overwriting shall be valid only if they are initialed by the person or persons signing the bid.

Submission of Bids

12. **Sealing and Marking of Bids**
- 12.1 The Bidder shall seal the original and each copy of the bid in separate envelopes, duly marking the envelopes as **"ORIGINAL BID"** The envelopes shall then be sealed in an outer envelope. The inner and outer envelopes shall be addressed to the Procuring agency at the address given in the BDS, and carry statement **"DO NOT OPEN BEFORE 14-06-2016 at 11.30 AM"**
- 12.2 If the outer envelope is not sealed and marked as required, the Procuring agency shall assume no responsibility for the bid's misplacement or premature opening.

- 13. Deadline for Submission of Bids**
- 13.1 Bids must be received by the Procuring agency at the address specified in BDS, not later than the time and date specified in Bid Data Sheet.
- 13.2 The Procuring agency may, at its discretion, extend this deadline for the submission of bids by amending the bidding documents, in such case all rights and obligations of the Procuring agency and bidders previously subject to the deadline will thereafter be subject to the deadline.
- 14. Late Bids**
- 14.1 Any bid received by the Procuring agency after the deadline for submission of bids prescribes by the Procuring agency shall be rejected and returned unopened to the Bidder.
- 15. Modification and Withdrawal of Bids**
- 15.1 The Bidder may modify or withdraw its bid after the bid's submission, provided that written notice of the modification, including substitution or withdrawal of the bids, is received by the Procuring agency prior to the deadline prescribed for submission of bids.
- 15.2 No bid may be modified after the deadline for submission of bids.
- 15.3 No bid may be withdrawn in the interval between the deadline for submission of bids and the expiry of the period of bid validity withdrawal of a bid during this interval may result in the Bidder's forfeiture of its bid security.

Opening and Evaluation of Bids

- 16. Opening of Bids by the Procuring agency**
- 16.1 The Procuring agency shall open all bids in the presence of bidder's representatives who choose to attend, at the time, on the date, and at the place specified in the Bid Data Sheet. The bidders' representatives who are present shall sign a register/attendance sheet evidencing their attendance.
- 16.2 The bidders' names, bid modifications or withdrawals, bid prices, discounts, and the presences or absence of requisite bid security and such other details as the Procuring agency, at its discretion, may consider appropriate, will be announced at the opening.
- 17. Clarification of Bids**
- 17.1 During evaluation of the bids, the Procuring agency may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing, and no change in the prices or substance of the bid shall be sought, offered, or permitted.

- 18. Preliminary Examination**
- 18.1 The Procuring agency shall examine the bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.
- 18.2 Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the correction of the errors, its bid will be rejected, and its bid security may be forfeited. If there is a discrepancy between words and figures, the amount in words will prevail.
- 18.3 Prior to the detailed evaluation, the Procuring agency will determine the substantially responsive bid is one which conforms to all the terms and conditions of the bidding documents without material deviations. Procuring agency's determination of a bid's responsiveness is to be based on the contents of the bid itself.
- 18.4 If a bid is not substantially responsive, it will be rejected by the Procuring agency and may not subsequently be made responsive by the Bidder by correction of the nonconformity.
- 19. Evaluation and Comparison of Bids**
- 19.1 The Procuring agency will evaluate and compare the bids which have been determined to be substantially responsive.
- 19.2 The Procuring agency's evaluation of a bid will be on delivery to consignee's end inclusive of all taxes, stamps, duties, levies, fees and installation and integration charges imposed till the delivery location and shall exclude any allowance for price adjustment during the period of execution of the contract.
- 20. Contacting the procuring agency**
- 20.1 No Bidder shall contact the procuring agency on any matter relating to its bid, from the time of bid opening to the time the announcement of Bid Evaluation Report. If the Bidder wishes to bring additional information to the notice of the procuring agency, it should do so in writing.
- 20.2 Any effort by a Bidder to influence the Procuring agency in its decision on bid evaluation, bid comparison, or contract award may result in the rejection of the Bidder's bid.

Award of contract

- | | |
|---|--|
| 21. Post – Qualification | <p>21.1 In the absence of prequalification, the procuring agency may determine to its satisfaction whether that selected Bidder having submitted the lowest evaluation responsive bid is qualified to perform the contract satisfactorily.</p> <p>21.2 The determination will take into account the Bidder’s financial, technical, and production capabilities. It will be based upon an examination of the documentary evidence of the Bidder’s qualifications submitted by the Bidder, pursuant to ITB Claus-7 as well as such other information as the Procuring agency deems necessary and appropriate.</p> <p>21.3 An affirmative determination will be a prerequisite for award of the contract to the Bidder. A negative determination will result in rejection of the Bidder’s bid, in which event the Procuring agency will proceed to the next lowest evaluated bid to perform satisfactorily.</p> |
| 22. Award Criteria | <p>22.1 The Procuring agency will award the contract to the successful Bidder whose bid has been determined to be substantially responsive and has been determined to be the lowest evaluated bid, provided further that the Bidder is determined to be qualified to perform the contract satisfactorily.</p> |
| 23. Procuring agency’s Right to Accept any Bid and to Reject any or All Bids | <p>23.1 Subject to relevant provisions of SPP Rules 2010 (Amended 2013), the Procuring agency reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to contract award.</p> <p>23.2 Pursuant to Rule 45 of SPP Rules 2010 (Amended 2013), Procuring agency shall hoist the evaluation report on Authority’s web site, and intimate to all the bidders seven days prior to notify the award of contract.</p> |
| 24. Notification of Award | <p>24.1 Prior to the expiration of the period of bid validity, the Procuring agency shall notify the successful Bidder in writing, that its bid has been accepted.</p> |

- 24.2 Upon the successful Bidder's furnishing of the performance security pursuant to ITB Clause 26, the Procuring agency will promptly notify each unsuccessful Bidder and will discharge its bid security.
- 25. Signing of Contract**
- 25.1 At the same time as the Procuring agency notifies the successful Bidder that its bid has been accepted, the Procuring agency will send the Bidder the Contract Form provided in the bidding documents, incorporating all agreements between the parties.
- 25.2 Within fourteen (14) days, or any other period specified in BDS, of receipt of the Contract Form, the successful Bidder shall sign and date the contract and return it to the Procuring agency.
- 26. Performance Security**
- 26.1 Within seven (07) days, or any other period specified in BDS, of the receipt of notification of award from the Procuring agency, the successful Bidder shall furnish the performance security in accordance with the Conditions of Contract, in the Performance Security Form provided in the bidding documents, or in another form acceptable to the Procuring agency.
- 26.2 Failure of the successful Bidder to comply with the requirement of ITB Clause 25 shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security, in which event the Procuring agency may make the award to the next lowest evaluated Bidder or call for new bids.
- 27. Corrupt or Fraudulent Practices**
- 27.1 The Government of Sindh requires that Procuring agency's (including beneficiaries of donor agencies' loans), as well as Bidders/Suppliers/Contractors under Government-financed contracts, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, the SPPRA, in accordance with the SPP Act, 2009 and Rules made there under:
- (a) **“Corrupt and Fraudulent Practices”** means either one or any combination of the practices given below;
- (i) **“Coercive Practice”** means any impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence the actions of a party to achieve a wrongful gain or to cause a wrongful loss to another party;
- (ii) **“Collusive Practice”** means any

arrangement between two or more parties to the procurement process or contract execution, designed to achieve with or without the knowledge of the procuring agency to establish prices at artificial, noncompetitive levels for any wrongful gain;

(iii) **“Corrupt Practice”** means the offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence the acts of another party for wrongful gain;

(iv) **“Fraudulent Practice”** means any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;

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

Part – III
General Conditions of Contract

1. Definitions

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

- (a) **“The Contract”** means the agreement entered into between the Procuring agency and the Supplier, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
- (b) **“The Contract Price”** means the price payable to the Supplier under the Contract for the full and proper performance of its contractual obligations.
- (c) **“The Goods”** means all of the equipment, machinery, and/or other materials, which the Supplier is required to supply to the Procuring agency under the Contract.
- (d) **“The Services”** means those services ancillary to the supply of the Goods, such as transportation and insurance, and any other incidental services, such as installation, commissioning, provision of technical assistance, training, and other such obligations of the Supplier covered under the Contract.
- (e) **“GCC”** means the General Conditions of Contract contained in this section.
- (f) **“SCC”** means the Special Conditions of Contract.
- (g) **“The Procuring agency”** means the Sindh Public Procurement Regulatory Authority (SPPRA), Government of Sindh.
- (h) **“The Supplier”** means the individual or firm supplying the Goods and Services under this Contract.
- (i) **“SPP Rules 2010”** means the Sindh Public Procurement Rules 2010 (Amended 2013).
- (j) **“Day”** means calendar day.

2. Standards

The Goods supplied under this Contract shall conform to the standards mentioned in the Technical Specifications, and, when no applicable standard is mentioned, to the authoritative standards appropriate to the Goods’ country of origin. Such

standards shall be the latest issued by the concerned institution.

3. Patent Rights

The Supplier shall indemnify the Procuring agency against all third- party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof in the Islamic Republic of Pakistan.

4. Performance Security

- 4.1 Within seven (07) days, or any other duration as specified in SCC, of receipt of the notification of Contract award, the successful Bidder shall furnish to the Procuring agency the performance security in the amount specified in SCC.
- 4.2 The proceeds of the performance security shall be payable to the Procuring agency as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.
- 4.3 The performance security shall be denominated in the Pak rupees and shall be an unconditional bank guarantee, pay order, call deposit as, provided in the bidding documents or another form acceptable to the Procuring agency;
- 4.4 The performance security will be discharged by the Procuring agency and returned to the Supplier not later than thirty (30) days following the date of completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless specified otherwise in SCC.

5 Inspections and Tests

- 5.1 The Procuring agency or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract specifications at no extra cost to the Procuring agency. The Procuring agency shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.
- 5.2 Should any inspected or tested Goods fail to conform to the Specifications, the Procuring agency may reject the Goods, and the Supplier shall either replace the rejected Goods or make alterations necessary to meet specification requirements free of cost to the Procuring agency.
- 5.4 The Procuring agency's right to inspect, test and, where necessary, reject the Goods after the Goods' arrival shall in no way be limited or waived by reason of the Goods having previously been inspected, tested, and passed by the Manufacturer.
- 5.5 Nothing in GCC Clause 5 shall in any way release the Supplier from any warranty or other obligations under this Contract.

6. Packing

The Supplier shall provide such packing of the Goods as is

required to prevent their damage or deterioration during transit to their final destination. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage.

7. Delivery and Documents

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

8. Insurance

The Goods supplied under the Contract shall be delivered consignee's end under which risk is transferred to the Procuring agency after having been delivered; hence insurance coverage is Supplier's responsibility.

9. Transportation

The Supplier is required under the Contract to transport the Goods to a specified place of destination and shall be arranged by the Supplier, and related costs shall be deemed to have been included in the Contract Price.

10. Incidental Services

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

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

11. Spare Parts

11.1 The Supplier should provide any or all of the notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:

- (a) such spare parts as the Procuring agency may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under the Contract; and
- (b) in the event of termination of production of the spare parts:

- (i) advance notification to the Procuring agency of the pending termination, in sufficient time to permit the Procuring agency to procure needed requirements; and
- (ii) following such termination, furnishing at no cost to the Procuring agency, the blueprints, drawings, and specifications of the spare parts, if requested.

12. Warranty

12.1 The Supplier warrants that the Goods supplied under the Contract are new, unused, of desired models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Supplier further warrants that all Goods supplied under this Contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the Procuring agency's specifications) or from any act or omission of the Supplier, that may develop under normal use of the supplied Goods in the conditions prevailing in the country of final destination.

12.2 This warranty shall remain valid for twelve (12) months after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the Contract

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

13. Payment

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

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

13.3 Payments shall be made promptly by the Procuring agency, but in no case later than thirty (30) days after submission of an invoice or claim by the Supplier.

13.4 The currency of payment is Pak. Rupees.

14. Prices

Prices charged by the Supplier for Goods delivered and Services performed under the Contract shall not vary from the prices quoted by the Supplier in its bid,

- 15. Contract Amendments** No variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.
- 16. Delays in the Supplier's Performance**
- 16.1 Delivery of the Goods and performance of Services shall be made by the Supplier in accordance with the time schedule prescribed by the Procuring agency in the Schedule of Requirements.
- 16.2 If at any time during performance of the Contract, the Supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the Goods and performance of Services, the Supplier shall promptly notify the Procuring agency in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, the Procuring agency shall evaluate the situation and may at its discretion extend the Supplier's time for performance, with or without liquidated damages, in which case the extension shall be ratified by the parties by amendment of Contract.
- 16.2 Except as provided under GCC Clause 17 a delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of liquidated damages unless an extension of time is agreed upon pursuant to GCC Clause 16.2 without the application of liquidated damages.
- 17. Liquidated Damages** Subject to GCC Clause 20, 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 percentage specified in SCC. Once the maximum is reached, the Procuring agency may consider termination of the Contract pursuant to GCC Clause 18.
- 18. Termination for Default**
- 18.1 The Procuring agency, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate this Contract in whole or in part:
- (a) if the Supplier fails to deliver any or all of the Goods within the period(s) specified in the Contract, or within any extension thereof granted by the Procuring agency pursuant to GCC Clause 16; or
 - (b) if the Supplier fails to perform any other obligation(s) under the Contract.

- (c) if the Supplier, in the judgment of the Procuring agency has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

- 19. Force Majeure**
 - 19.1 Notwithstanding the provisions of GCC Clauses 16, 17 and 18, the Supplier shall not be liable for forfeiture of its performance security, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.
 - 19.2 For purposes of this clause, “Force Majeure” means an event beyond the control of the Supplier and not involving the Supplier’s fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the Procuring agency in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.
 - 19.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Procuring agency in writing of such condition and the cause thereof. Unless otherwise directed by the Procuring agency in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.
- 20. Resolution of Disputes** Resolution of dispute shall be through Mechanism for Redressal of Grievances as provided in the rules or through Arbitration Act 1942.
- 21. Governing Language** The Contract shall be written in English language all correspondence and other documents pertaining to the Contract which are exchanged by the parties shall be written in the same language.
- 22. Applicable Law** The Contract shall be interpreted in accordance with the SPP Rules 2010 (amended 2013).
- 24. Taxes and Duties** Supplier shall be entirely responsible for all taxes, duties (including stamp duty), license fees, etc., incurred until delivery of the contracted Goods to the Procuring agency.
- 25. Overriding effect of Sindh Public Procurement Rules 2010 (Amended 2013)** In case of conflict or primacy of interpretation the provisions of SPP Rules 2010 (amended 2013) shall have an overriding effect notwithstanding anything to the contrary contained in these bidding documents

Part-IV

Bid Data Sheet

The following specific data for “*SUPPLY OF MAJOR EQUIPMENTS, DENTAL CHAIRS, DENTAL MATERIALS AND INSTRUMENTS FOR SINDH INSTITUTE OF ORAL HEALTH SCIENCES, J.S.M.U, KARACHI.*” to be procured shall complement, supplement, or amend the provisions in the Instructions to Bidders (ITB) Part One. Whenever there is a conflict, the provisions herein shall prevail over those in ITB.

Introduction	
ITB 1	Name of Procuring Agency: Planning & Development Department, Jinnah Sindh Medical University, Karachi. Telephone No. 021-35223811-15 Ext-350, Fax 021-99201372.
ITB 1	Name of Contract. “ <i>SUPPLY OF MAJOR EQUIPMENTS, DENTAL CHAIRS, DENTAL MATERIALS AND INSTRUMENTS FOR SINDH INSTITUTE OF ORAL HEALTH SCIENCES, J.S.M.U, KARACHI.</i> ”
Bid Price and Currency	
ITB 4	Prices quoted by the Bidder shall be “ <i>fixed</i> ” and in “ <i>Pak Rupees</i> ”
Preparation and Submission of Bids	
ITB 7	<p><u>Qualification requirements:</u></p> <ol style="list-style-type: none">1. Bidders must be a direct authorized agent of the manufacturer of required items with a minimum of five (05) years of experience in manufacturing or supplies; as applicable.2. Authorized agent should be in possession of a valid verifiable Authorization Certificate.3. Bidder /Supplier should have a documented track of completing at least 3 similar assignments, during last 3 (three) years, involving the supply, installation, and after sale support.4. They should have annual sale volume of at least Rs.03 (three) million in of last 3 years relevant documents should be provided.5. Valid Registration with tax authorities is required <p><u>Qualification Criteria:</u></p> <p>In this section the Purchaser specifies the financial situation, experience, and supply capacity criteria that it will take into account to postqualify the lowest-evaluated Bidder. All these criteria shall be evaluated on a pass-fail basis only.</p> <p><u>Financial Criteria</u></p> <p>The Purchaser will take account of the following financial criteria to verify the qualifications of the lowest-evaluated Bidder. These criteria must be evaluated on a pass-fail basis only.</p> <p>For example;</p> <p>(a) Financial Situation</p> <p>Submit audited statements of accounts for the last three (3) years, and evaluate:</p> <p>-Liquidity ratio</p>

-Indebtedness ratio
-Profitability ratio
(b)Availability of Financial Resources
-Bank references
Availability of funds or credit to successfully perform the Contract

The financial criteria must only be used to determine whether a Bidder has the financial capacity to successfully perform the Contract. It shall not be used as a factor to be weighted with price to determine the lowest evaluated Bidder.

Experience Criteria

The Purchaser shall specify the minimum experience required of a Bidder to qualify for supplying the Goods and Related Services. The minimum level of experience required must be such to assure the Purchaser that the Contract will be properly executed.

For example:

- (a) has an average annual turnover [**insert turnover in US Dollars**] (defined as the total payments received by the Supplier for contracts completed or under execution) over the [insert period, i.e. three-year period} ending on the deadline for bid submission.
- (b) has successfully completed as main Supplier of goods similar to those included in the Contract at least [insert number of contracts, i.e. three] contracts of scope of supply and complexity comparable to the proposed Contract, over a [insert period, i.e. three-year period] ending on the deadline for bid submission.
- (c) has successfully completed as main provider of Related Services at least [insert number of contracts, i.e. three] contracts of scope of supply and complexity comparable to the proposed Contract over a [insert period, i.e. three-year period] ending on the deadline for bid submission.
- (d) has service facilities in the Purchaser's country to deliver the Related Services as specified in Section VI, Schedule of Supply.
- (e) can ensure the availability of the spare parts of the kinds and in the quantities as specified in Section VI, Schedule of Supply.

Supply Capacity

The Purchaser shall specify the minimum supply capacity of a Bidder to qualify for supplying the Goods and Related Services. The minimum supply capacity required must be such to assure the Purchaser that the Bidder is capable of supplying the type, size, and quantity of the Goods required and that the Contract will be properly executed [insert the supply capacity criteria].

For example:

- (a) Technical capability to supply the Goods as specified in the Section VI, Schedule of Supply [insert requirements.]
- (b) Capability to supply the Goods of the size and in the quantity required. [insert minimum requirements in terms of size and supply capacity of the firm]
- (c) Capability to complete the supply within the terms specified in Section VI, Schedule of supply. [insert requirement]

Litigation

The Purchaser shall consider the litigation record of Bidders to verify their qualifications. [Insert submission requirements].

	For example: Bidder shall submit all claims, arbitration, or other litigation, pending or already resolved, with a possible impact of more than [insert a percentage figure, i.e. 50 percent] of total assets.
ITB 9	Amount of bid security. 2% of Bid Value
ITB 10	Bid validity period. 90 days
ITB 11	Number of copies. Original Only
ITB 13	Deadline for bid submission. 14.06.2016 at 11.00 AM
ITB 19.1	Bid Evaluation: Lowest evaluated bid

Part-V

Special Conditions of Contract

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

1. Definitions (GCC Clause 1)

GCC 1 (g)—The Procuring Agency is: Office of the Planning & Development Department Jinnah Sindh Medical University, Karachi.

2. Performance Security (GCC Clause 4)

GCC 4—The amount of performance security, as a percentage of the Contract Price, shall be: 10%.

3. Inspections and Tests (GCC Clause 5)

Inspection of JSMU shall inspect the procured good and ensure that it meets the tender specifications before its acceptance

4. Delivery and Documents (GCC Clause 7)

GCC 10—Supplier shall supply and install the good within **30 Days** after signing the contract and shall submit the following.

- (i) Supplier's invoice showing Goods' description, quantity, unit price, and total amount;
- (ii) Packing List identifying the contents of Supply;
- (iii) Delivery note.
- (iv) Warranty and guarantee certificate;

7. Warranty (GCC Clause 12)

The equipment shall bear Standard warranty (with free parts & labor) from the date of installation / acceptance. Upon expiration of warranty, Purchaser at its option may enter into a Service Level Maintenance Agreement upon expiry of the warranty period in accordance with terms embodied in Appendix-A hereto

8. Payment (GCC Clause 13)

Hundred percent (100%) of the Contract Price shall be paid upon delivery, and satisfactory Installation, integration and testing of the products at the Project site (s), subject to the production of installation and Operational Acceptance certificates duly signed by authorized Inspection Committee of JSMU.

9. Liquidated Damages (GCC Clause 18)

If the Supplier fails to deliver the goods or perform the services within the time period(s) specified in the contract, the Purchaser shall, without prejudice to its other remedies under the contract deduct from the Contract Price, as liquidated damages, a sum equivalent to 0.07 percent of the Contract Price for each day of delay until actual delivery or performance, up to a maximum deduction of 10% of the Contract Price. Once the maximum is reached, the purchaser may consider termination of the contract.

10. Resolution of Disputes (GCC Clause 21)

In the case of a dispute between the Procuring agency and the Supplier, the dispute shall be referred to the dispute resolution mechanism as defined in rule 31, 32 and 34 of the (SPPR 2010) Amended 2013

11. Applicable Law (GCC Clause 23)

GCC 29.1 Contract shall be interpreted in accordance with the Sindh Public Procurement law of Sindh.

Part-VI

SCHEDULE OF REQUIREMENTS

The delivery schedule hereafter expressed the date of delivery required.

<u>LIST OF MAJOR EQUIPMENTS</u>					
S. No.	Product	Quantity	Required Delivery Schedule from the Date of Contract Award	Unit Price in PKR	Total Price in PKR
1.	Compressor (Oil Free) With Drier for 04 Surgeries	01 No.	DO		
2.	Suction Machine for 04 Surgeries	01 No.	DO		
3.	Light Curing Machine	05 Nos.	DO		
4.	Amalgamator	05 Nos.	DO		
5.	Portable Dental Unit	03 Nos.	DO		
6.	Piezo Ultrasonic & Implant Motor	01 Nos.	DO		
7.	Prophylaxis System	05 Nos.	DO		
8.	Gutta Percha Cutter	05 Nos.	DO		
9.	Autoclave	04 Nos.	DO		
10.	Automatic Washer & Disinfection System with force Drying	01 Nos.	DO		
11.	Pouch Sealer	04 Nos.	DO		

12.	Water Distiller	04 Nos.	DO		
13.	Ultrasonic Cleaner	04 Nos.	DO		
14.	PH Meter	01 Nos.	DO		
15.	Infrared Thermometer	05 Nos.	DO		
16.	Medical Oxygen Cylinder Therapy Unit Portable and Trolley Mounted	02 Nos.	DO		
17.	First Aid Box	05 Nos.	DO		
18.	Wheel Chair	05 Nos.	DO		
19.	Intra Oral Camera with VGA Arm and LCD	05 Nos.	DO		
20.	Transport Stretcher	05 Nos.	DO		
21.	Pediatric Dental Unit	03 Nos.	DO		
22.	Digital SLR Camera with Ring Flash	02 Nos.	DO		
23.	Bio-Medical Engineering Tool Kit	01 Nos.	DO		
24.	Light Therapy & Teeth Whitening Machine	05 Nos.	DO		
25.	B.P Apparatus with stethoscope	05 Nos.	DO		
26.	Digital Glucometer	05 Nos.	DO		
27.	Induction Casting Machine	01 No.	DO		

28.	Polymerizing Units	01 No.	DO		
29.	Surveyor Manual	05 Nos.	DO		
30.	Micro motor (Bench Top)	06 Nos.	DO		
31.	Sand Blaster	02 Nos.	DO		
32.	Duplicating Machine With Duplicating Flask	01 No.	DO		
33.	High Speed Alloy Grinder	02 Nos.	DO		
34.	Electrolytic Polisher	02Nos.	DO		
35.	Fine Blasting Unit	02 Nos.	DO		
36.	Dental Surgical Binocular Loups With LED Headlights	05 Nos.	DO		
37.	Die Cutting Saw	01 Nos.	DO		
38.	Laser Pindex Hole Machine	01. Nos.	DO		
39.	Vacuum Former for Retainer	02 Nos.	DO		
40.	Bench Press Manual (Heavy Duty)	10 Nos.	DO		
41.	Dental Polishing Lathe cut	05 Nos.	DO		
42.	Hydraulic Dental Press	03 Nos.	DO		

43.	Hanging Engine Motor	10 Nos.	DO		
44.	Microtome for Dental Lab	01 No.	DO		
45.	Dental Models	01 No. each	DO		
46.	Dental Moulds	06 Nos. each	DO		
47.	Kennedy's Dental Moulds	01 No. each	DO		
48.	Centrifuge Machine for Oral Pathology Lab	01 No.	DO		
49.	Colorimeter for Oral Pathology Lab	01 No.	DO		
50.	Incubator for Oral Pathology Lab	01 No.	DO		
51.	Dental Milling Machine	01 No.	DO		
52.	X Ray Manual Developing Unit	04 Nos.	DO		
53.	Platelet Rich Fibrin (PRF& CGF Machine)	01 No.	DO		
54.	Electric Cautery Machine For Dental Purpose	01 No.	DO		
55.	Reagent Refrigerator	02 Nos	DO		
56.	Staining Rack	02 Nos	DO		
57.	Vertical Staining Jar with Cover	04 Nos	DO		

58.	Wax Dispenser	01 Nos	DO		
59.	Heamoglobinometer	02 Nos	DO		
60.	ESR rods	10 Nos	DO		
61.	Microscopes with Digital Imaging system	01 Nos	DO		
62.	Microscope with Group observation/discussion system	01 Nos	DO		
63.	Bench grinder	02 Nos	DO		
64.	Sedation delivery system for dental unit	01 Nos	DO		
65.	Dental Software	01 Nos	DO		

LIST OF DENTAL MATERIALS

1.	Glass ionomer Luting Cement	05 Nos.	Supply and install the good within 60 Days		
2.	Glass ionomer-Light Cure (RMGIC)	05 Nos.	DO		
3.	Glass ionomer High Strength Posterior Restorative (GC Gold Label 9)	05 Nos.	DO		
4.	Glass ionomer lining material	05 Nos.	DO		
5.	Glass ionomer Universal Restorative Material	05 Nos.	DO		
6.	Zinc phosphate cement	05 Nos.	DO		
7.	Zinc Polycarboxylate Cavity liner and Luting Cement	05 Nos.	DO		
8.	Zinc Oxide Eugenol cements	05 Nos.	DO		
9.	Reinforced Zinc Oxide Eugenol cements	05 Nos.	DO		
10.	Dental Hybrid Composite	05 Nos.	DO		
11.	Dental Flowable Composite(Flowable Composite)	05 Nos.	DO		
12.	Dental Composite Nanocomposite (Paradigm Nano Hybrid Restorative)	05 Nos.	DO		
13.	Micro Hybrid Composite	05 Nos.	DO		
14.	Dental Composite(Silorane Low Shrinkage Posterior Restorative System)	05 Nos.	DO		
15.	Amalgam Non-gamma 2 alloy (Non gamma 2)	04 Nos.	DO		
16.	Mercury (100 gm)	02 Nos.	DO		
17.	Amalgam(Logic + Regular Capsules)	10 Boxes	DO		
18.	Dental Alloy (Zinc Free)	02 Nos.	DO		
19.	Dental modeling wax	30 Nos.	DO		
20.	Bite and Boxing Wax	05 Nos..	DO		
21.	Carving Wax	05 Nos.	DO		
22.	Acrylic Teeth (1x6, 1x16, 1x28)	15 Nos.(Packets)	DO		

23.	Cold Mold Seal	30 Liters	DO		
24.	Metal (Cr, Co, Ni, Cr.) Alloys	5 Kg.	DO		
25.	Dental Inlay Wax (Inlay Casting Wax)	05 Nos.	DO		
26.	Sticky Wax	05 Nos..	DO		
27.	Dental Casting Wax	10 Nos.	DO		
28.	Boxing Wax	10 Nos.	DO		
29.	Dental Impression Wax	10 Nos.	DO		
30.	Bite Registration Wax	10 Nos.	DO		
31.	Pro-Utility wax	10 Nos.	DO		
32.	Sprue Wax	10 Nos.	DO		
33.	Occlusal Indicator Wax	10 Nos.	DO		
34.	Corrective Impression Wax	10 Nos.	DO		
35.	Impression Compound	30 Nos.	DO		
36.	Impression Compound Green Stick	40 Nos.	DO		
37.	Agar Impression Material(Supergel)	02 Nos.	DO		
38.	Dental Alginate	50 Nos.	DO		
39.	Dental Silicone Putty	10 Nos.	DO		
40.	Dental Silicone(Light Body)	10 Nos.	DO		
41.	C-Silicone putty	10 Nos.	DO		
42.	Polysulphide Impression Material	02 Nos.	DO		
43.	Polysulphide (Impregum Soft)	02 Nos.	DO		
44.	Polyether Impression Material(Impregum F)	02 Nos.	DO		
45.	Gypsum Bonded Investment	01 No.	DO		
46.	Phosphate Bonded Investmen(Deguvest Impact Phosphate Bonded investment)	01 No.	DO		
47.	Calcium Hydroxide (short setting)	05 Nos.	DO		
48.	Calcium Hydroxide (long setting)	05 Nos.	DO		
49.	Calcium Hydroxide (non setting)	02 Nos.	DO		
50.	Temporary Calcium Hydroxide Canal Treatment	03 Nos.	DO		

	Paste				
51.	Resin Dental Cement (Third Generation Universal Adhesive Resin Dental Cement)	02 Nos.	DO		
52.	MTA(Pro root MTA) Gray	02 No.	DO		
53.	MTA(Pro root MTA) White	02 No.	DO		
54.	Pulperyl	05 Nos.	DO		
55.	Cresophene	05 Nos.	DO		
56.	15% EDTA gel	10 Nos.	DO		
57.	Bioactive Dentine Substitute	03 Nos.	DO		
58.	Sodium Hypochlorite Solution 6%	05 Nos.	DO		
59.	ChlorhexidineGluconate	03 Nos.	DO		
60.	Sodium Chloride Irrigation(0.9%)	05 Nos.	DO		
61.	EDTA solution(17%)	05 Nos.	DO		
62.	Root Canal Preparation Cream	05 Nos.	DO		
63.	Root Canal Sealer	05 Nos.	DO		
64.	Root Canal Sealer(AH-26)	05 Nos.	DO		
65.	GuttaPercha Points(15-40)	20 Nos.	DO		
66.	GuttaPercha Points(45-80)	20 Nos.	DO		
67.	Paper Points(15-40)	20 Nos.	DO		
68.	Paper Points(45-80)	20 Nos.	DO		
69.	Super EBA	05 Nos.	DO		
70.	Intermediate Restorative Material(IRM)	02 Nos.	DO		
71.	Alveogyl	05 Nos.	DO		
72.	Caustinerf Fort	05 Nos.	DO		
73.	Gates Glidden and Lentelo Spiral (28mm Stainless Steel)	05 Nos.	DO		
74.	Disposable Syringe (12cc)	100 Nos.	DO		
75.	Dental Dappen Dish	10 Nos.	DO		
76.	H-File(Size 6,8,10)SS	10 Nos.	DO		
77.	H-File(Size 15-40)SS	10 Nos.	DO		

78.	H-File(Size 45-80)SS	10 Nos.	DO		
79.	H-File(Size 90-140)SS	10 Nos.	DO		
80.	K-File(Size 6,8,10)SS and Ni/Ti	10 Nos.	DO		
81.	K-File(Size 15-40) SS and Ni/Ti	10 Nos.	DO		
82.	K-File(Size 45-80)SS and Ni/Ti	10 Nos.	DO		
83.	H-File(Size 90-140)SS and Ni/Ti	10 Nos.	DO		
84.	Protaper (Size SX, S-1, S-2)Ni/Ti	05 Nos.	DO		
85.	Protaper (F1-F5)Ni/Ti	05 Nos.	DO		
86.	Ni/Ti Spreaders (Size 8,10,15,20,25,30,35,40)	05 Nos.	DO		
87.	Stainless Steel Hand Spreader (Size 8,10,15,20,25,30,35,40)	05 Nos. Each	DO		
88.	S.Steel Wire (26 gauge) For O. Surgery.	05 Nos.	DO		
89.	Peso Reamers	05 Nos.	DO		
90.	Reamers (Size 8,10,15,20,25,30,35,40,45) SS 21mm and 25mm	02 Nos. Each	DO		
91.	Hand Protaper	05 Nos.	DO		
92.	Rotary Machine	05 Nos.	DO		
93.	Apex Locater	03 Nos.	DO		
94.	Endodontic Explorer (DG16 DE Endodontic Explorer)	05 Nos.	DO		
95.	Periodontal Dressing (Cellulose Based)	05 Nos.	DO		
96.	Disposable Suction Tips	10 Nos. (Box)	DO		
97.	Absorbable Collagen WoundDressing	05 Nos.	DO		
98.	Periodontal Dressing	05 Nos.	DO		
99.	Surgical Cement for Periodontal Dressing	05 Nos.	DO		
100.	Acrylic Resin (Self Cure)	20 Nos.	DO		
101.	Monomer (Self Cure)	20 Nos.	DO		
102.	Acrylic Resin (Heat Cure)	20 Nos.	DO		

103.	Monomer (Heat Cure)	20 Nos.	DO		
104.	Soft Plaster	100 Kg.	DO		
105.	Hard Plaster	100 Kg.	DO		
106.	Die stone	05 Kg.	DO		
107.	Quartz (Abrasive Mat.)	02 Nos.	DO		
108.	Aluminiumoxide (Abrasive Mat.)	02 Nos.	DO		
109.	Cuttlebone(Abrasive Mat.)	02 Nos.	DO		
110.	Keiselghur (Abrasive Mat.)	02 Nos.	DO		
111.	Rouge(Abrasive Mat.)	02 Nos.	DO		
112.	Tripoli (Abrasive Mat.)	02 Nos.	DO		
113.	Fixer Solution for X-Ray Films	10 Packets	DO		
114.	Developer Solutions for X-Ray Films	10 Packets	DO		
115.	Orthodontic Bands for Molar and Premolar U/L (various sizes)	100 Nos.	DO		
116.	Power chains (clear-colorless)	2 Nos. (Spools)	DO		
117.	Ligature Wire	01 Nos. (Packets)	DO		
118.	O-Ring Colorless for Ortho.	01 Nos. (Packets)	DO		
119.	Co-byashi-ties	01 Nos. (Packets)	DO		
120.	NI-Ti Coil Spring (6mm, 8mm, 10mm, 12mm, 14mm)	01 Nos. (Packets)	DO		
121.	Elastics For Ortho. (Light, Medium, Heavy) ¼, 3/16, 5/16,1/8.	01 Nos. (Packets)	DO		
122.	Dental Floss	04 Nos.	DO		
123.	Orthodontic Wax	10 Nos. (Packets)	DO		
124.	Orthodontic Brackets (Roth press)	10 Sets.	DO		
125.	Orthodontic Headgear (Reverse Pull, Combination Pull, Low pull, High Pull)	02 Nos.	DO		
126.	Instrument kit for orthodontics with boxes	05 Nos.	DO		
127.	Forsus Functional Appliance kit (Orthodontics)	05 Nos.	DO		

128.	Molar Tubes for Orthodontics	10 Nos. (Sets)	DO		
129.	Composite Finishing Disc (Coarse, Medium , Fine, Extra Fine)	03 Nos. (Each)	DO		
130.	Sprit	10 Litter	DO		
131.	Bleaching Kit 35-40% hydrogen per oxide for vital teeth	10 Nos.	DO		
132.	Vacuum Forming Machine for Bleaching Tray	02	DO		
133.	Hand Sanitizer	50 Liters	DO		
134.	sterile cotton wool rolls	20 PKT	DO		
135.	Napkin	20 PKT	DO		
136.	Sterilization Pouch Self Sealing Small , Medium	10 Boxes Each	DO		
137.	Pouch Rolls (1",2",3" 4")	10 Nos. Each	DO		
138.	Sutures (Slik 3-0, Proline 3-0, Catgut 3-0, Vicryl 3-0)	10 Nos. Each	DO		
139.	Surgical Gauze	10 Nos.	DO		
140.	Gauze Rolls	10 Nos.	DO		
141.	Lidocane injection (1.8ml) (1: 100,000) Lidocane HCL....36 mg. Epinephrine Bitartate...0.0324mg	50 Nos. (Boxes)	DO		
142.	Disinfectant (cold Sterilization)(Dental & Surgical Intruments)	50 Liters	DO		
143.	Disinfectant for medical devices) and surfaces	20 Bottles	DO		
144.	Disinfectant (non-Foaming) for Dental Suction system	20 Bottles	DO		
145.	Dental Implant with Abutment Bone Level w (Internal SLA Surface, taper FDA approve Self Tapping Plate form Switching different sizes	50 Pcs.	DO		
146.	Resorbale Bone (0.3cc)	05 Nos.	DO		
147.	Pericardium Membrane 15 mm X 30mm, flexible and moldable customized titanium membrane (kit for GBR procedure)	05 Nos.	DO		

148.	Lab Analogue, for Implant	05 Nos.	DO		
149.	Angle Abutment for Implant	05 Nos.	DO		
150.	Impression coping for Implant	05 Nos.	DO		
151.	Implant Kit Complete with Sinus Lift	02 Kits	DO		
152.	<u>Histology Slides</u> Ground section of anterior tooth Ground section of posterior tooth Ground section dead tracts Ground section Enamel spindle Ground section Enamel lamellae Ground section Enamel Striae Ground section Enamel Tufts Tongue HE Staining Circumvalate Papillae Tongue HE Staining Filiform and fungiform Oral Epithelium Platae/Keratinized Mucosa Oral Epithelium Buccal mucosa/nonkeratinized Mucosa Acellular cementum Cellular cementum Compact bone HE staining Compact bone ground section Cancellous bone HE Staining Cancellous bone ground section Mucous Salivary/Sublingual gland HE Staining Serous Salivary/Parotid gland HE Staining Mixed salivary/Submandibular gland HE Staining Dental Pulp HE staining Primary Secondary and tertiary dentine Ground sections Dentine Transverse section HE staining Taste buds HE staining Dental Pulp calcification HE staining Tooth development Bud stage Tooth Development Cap Stage	02 each	DO		

	Tooth development Bell stage				
153.	Sterile Cotton Pallets	50 PKT	DO		
154.	Tempron	05 Nos	DO		
155.	Cavex	20 Nos	DO		
156.	Indelible pencil	10 Nos	DO		
157.	Round wire 0.7 mm	10 rolls	DO		
158.	Articulating papers	50 Packets	DO		
159.	Spirit	20 Litres	DO		
160.	Sodium perborate powder 15%	100gm	DO		
161.	Sand papers (fine)	30 Nos	DO		
162.	Elfi	10 Nos	DO		
163.	Buff for polishing	10 Nos	DO		
164.	Vaseline	10 Nos	DO		
165.	polishing cake	10 Nos	DO		
166.	Retraction card with liquid	05 Nos	DO		
167.	Transparent self cure acrylic	5 kg	DO		
168.	Latex Gloves (Small, Medium, Large)	20 Nos. (Each Packet)	DO		
169.	Surgical Gloves (6/1/2, 7)	10 Nos. (Each Packet)	DO		
170.	Sterilization Gloves / Safety Gloves (Heavy Duty)	5 Pairs	DO		
171.	Plastic Gloves (Small, Medium, Large)	50 Nos. (Each Packet)	DO		
172.	Face Mask (NA 90, NA 100)	5 Nos. (Each Boxes)	DO		
173.	Face Mask (Doubly Ply)	5 Nos. (Boxes)	DO		
174.	Periapical x-ray (Manual)	10 Nos. (Packets)	DO		
175.	Patients Apron	10 Nos. (Boxes)	DO		

LIST OF DENTAL INSTRUMENTS

1.	Examination Instruments (Mouth Mirror, Probe and twizer) SS	200 Sets.	Supply and install the good within 60 Days		
2.	Condensor (Plugger)-Smooth	20 Nos.	DO		
3.	Condensor (Plugger)-Serrated	20 Nos.	DO		
4.	Interproximal Condensor	10 Nos.	DO		
5.	Liner Applicator	20 Nos.	DO		
6.	Burnisher-Football	10 Nos.	DO		
7.	Burnisher-Ball	10 Nos.	DO		
8.	Burnisher-Acorn	10 Nos.	DO		
9.	T-Ball Burnisher	10 Nos.	DO		
10.	Beavertail Burnisher	10 Nos.	DO		
11.	Tanner Carver	10 Nos.	DO		
12.	Discoid-Cleoid Carver	10 Nos.	DO		
13.	Gold Carving Knife (Titanium coated)	10 Nos.	DO		
14.	Interproximal Carving Knife	10 Nos.	DO		
15.	Tofflemire/Matrix Band Retainer (Automatrix)	10 Nos.	DO		
16.	Matrix Bands Strips	10 PKT.	DO		
17.	Wooden Wedges	10Boxes.	DO		
18.	Amalgam Well	05 Nos.	DO		
19.	Articulating Paper Holder	10 Nos.	DO		
20.	Composite Placement Instrument	05 Nos.	DO		
21.	Composite Burnisher	10 Nos.	DO		
22.	Finishing Strip	05 Nos.	DO		
23.	Crown and Bridge Scissors	03 Nos.	DO		
24.	Provisional Crown Removing Forceps	05 Nos.	DO		
25.	Trail Crown Remover	05 Nos.	DO		
26.	Endodontic Explorer	05 Nos.	DO		
27.	Endodontic Long Shank Spoon Excavator	05 Nos.	DO		
28.	Endodontic Locking Forceps	05 Nos.	DO		

29.	Broach	05 Nos.	DO		
30.	Endodontic Millimeter Ruler (Ring)	10 Nos.	DO		
31.	Gates Glidden Bur	05 Nos.	DO		
32.	Endodontic Irrigating Syringe	100 Nos.	DO		
33.	Sterile Absorbent Paper Points	05 Nos.	DO		
34.	Hand Spreader	10 Nos.	DO		
35.	Endodontic Spreader	05 Nos.	DO		
36.	Endodontic Plugger	05 Nos.	DO		
37.	Micro Retro Amalgam Carrier	03 Nos.	DO		
38.	Micro Retro Mouth Mirror	20 Nos.	DO		
39.	Universal Curettes	05 Nos.	DO		
40.	Langer Universal Curettes	05 Nos.	DO		
41.	Area Specific Curettes-Anterior	05 Nos.	DO		
42.	Area Specific Curettes-Posterior	05 Nos.	DO		
43.	Extended Area Specific Curettes-Anterior	05 Nos.	DO		
44.	Extended Area Specific Curettes-Posterior	05 Nos.	DO		
45.	Mini Extended Area Specific Curettes-Anterior	05 Nos.	DO		
46.	Mini Extended Area Specific Curettes-Posterior	05 Nos.	DO		
47.	Straight Sickle Scaler	05 Nos.	DO		
48.	Curved Sickle Scaler	05 Nos.	DO		
49.	Sharpening Stones	05 Nos.	DO		
50.	Scissors-Short Blade	05 Nos.	DO		
51.	Elastic Separating Pliers	05 Nos.	DO		
52.	Steel Spring Separators	05 Nos.	DO		
53.	Band Pusher	05 Nos.	DO		
54.	Band Seater	05 Nos.	DO		
55.	Arch Bending Pliers (Tweed)	07 Nos.	DO		
56.	Tweed Loop Forming Pliers	05 Nos.	DO		
57.	Three Prong Pliers	05 Nos.	DO		

58.	Bird Beak Pliers	05 Nos.	DO		
59.	Howe Pliers	05 Nos.	DO		
60.	Distal End Cutting Pliers	05 Nos.	DO		
61.	Orthodontic Matheiw	10 Nos.	DO		
62.	Ligature Tying Pliers	05 Nos.	DO		
63.	Ligature/Wire Cutter	05 Nos.	DO		
64.	Cheek / Lip Retractors	05 Nos.	DO		
65.	Posterior Band Remover	05 Nos.	DO		
66.	Reflector/Mirror for Orthodontic Picture (Glass / Metals)	02 Nos.	DO		
67.	Retractor for Orthodontic Pic.(Small & Medium)	02 Nos.	DO		
68.	Bracket Remover	05 Nos.	DO		
69.	Adhesive Removing Pliers	05 Nos.	DO		
70.	Model Casing for patients record (Orthodontics)	100 Nos.	DO		
71.	Orthoscrew implant Different Sizes (8mm, 10mm, 12mm)	20 Nos.	DO		
72.	Mouth Prop	05 Nos.	DO		
73.	Mouth Gag	05 Nos.	DO		
74.	Scalpel Handle with Blades (11, 12, 15, 16)	05 Nos.	DO		
75.	Scalpel Blade Remover	05 Nos.	DO		
76.	Tissue Scissor	05 Nos.	DO		
77.	Tissue Forceps	05 Nos.	DO		
78.	Periosteal Elevator	05 Nos.	DO		
79.	Surgical Curette	05 Nos.	DO		
80.	Tongue and Cheek Retractor	10 Nos.	DO		
81.	Needle Holder	10 Nos.	DO		
82.	Suture Needles and Sutures	10 Nos.	DO		
83.	Suture Scissors	10 Nos.	DO		
84.	Universal Surgical	10 Nos.	DO		
85.	Interdental File	10 Nos.	DO		
86.	Micro periosteal Elevator	05 Nos.	DO		

87.	Periosteal Curve angle	05 Nos.	DO		
88.	Tissue graft plugger	05 Nos.	DO		
89.	Mucosal flap perpetrator	05 Nos.	DO		
90.	Suture and membranes tweezers	05 Nos.	DO		
91.	Atraumatic tweezer	05 Nos.	DO		
92.	Disecting tweezers	05 Nos.	DO		
93.	Cheek retractor	05 Nos.	DO		
94.	CPITN probe	05 Nos.	DO		
95.	sterile cotton wool rolls dispenser	10 Nos.	DO		
96.	Sterile cotton pallet dispenser	10 Nos.	DO		
97.	Magnetic Bur Holder	10 Nos.	DO		
98.	Endo Box Autoclavable	25 Nos.	DO		
99.	Napkin holder	100 Nos.	DO		
100.	Straight Elevator	05 Nos.	DO		
101.	Luxating Elevator	05 Nos.	DO		
102.	Periotomes	05 Nos.	DO		
103.	Root Elevators	05 Nos.	DO		
104.	T Bar Elevators	05 Nos.	DO		
105.	Root Tip Elevators	05 Nos.	DO		
106.	Root Tip Picks	05 Nos.	DO		
107.	Rongeurs	05 Nos.	DO		
108.	Bone File	05 Nos.	DO		
109.	Laboratory Coat different Sizes with monogram as per required	20 Nos.	DO		
110.	Protective Glasses	05 Nos.	DO		
111.	Sharps Container	10 Nos.	DO		
112.	Flexible Rubber Bowl	10 Nos.	DO		
113.	Flexible Alginate Spatula	10 Nos.	DO		
114.	Disposable Plastic Perforated Full Arch Impression Trays	05Sets.	DO		
115.	Impression trays (for partial denture)	10 boxes	DO		

116.	Impression trays (for complete denture)	10 boxes	DO		
117.	Metal Perforated Full Arch Impression Tray	05Sets.	DO		
118.	Disposable Plastic Perforated Quadrant and Anterior Impression Trays	05 Sets.	DO		
119.	Triple Tray	05 Nos.	DO		
120.	Mixing Gun for Final Impression Material	02 Nos.	DO		
121.	Bite Registration Tray	02 Nos.	DO		
122.	Laboratory Spatula	05 Nos.	DO		
123.	Flexible Mixing Spatula	05 Nos.	DO		
124.	Paper Mixing Pads	10 Nos.	DO		
125.	Glass Sprit lamp	20 Nos.	DO		
126.	Hypochloride Bleach	20 Litter	DO		
127.	Normal Saline	50 Nos.	DO		
128.	Intra Oral X-Ray Film (Manual) Box of 150 Pcs	10 Pkts.	DO		
129.	Extra Oral X-Rays- Cephalometric and Panoramic (Dry Laser Printer Sheets) 100 sheets	05 Pkts. Each	DO		
130.	Film Holder For Intra Oral X-Rays	05 Nos.	DO		
131.	Lead Aprons	05 Nos.	DO		
132.	X Ray View Luminator 24" x 36"	05 Nos.	DO		
133.	High collar waste coat Apron for patient	05 Nos.	DO		
134.	X-ray protective Mask	05 Nos.	DO		
135.	New clear disposable dental impression trays (Upper & Lower Arch)	10 Sets Each	DO		
136.	Alginate spatula	10 Nos.	DO		
137.	Curved end plaster spatula	10 Nos.	DO		
138.	Alginate Bowl	10 Nos.	DO		
139.	Plaster Bowl	10 Nos.	DO		
140.	Resin Mixing cups for acrylics	05 Nos.	DO		
141.	Surgical Burs (Long shank, Rose Head , Round Bur)	10 Nos. Each	DO		

142.	High Speed burs (Plain taper fissure, Straight fissure, Tapered fissure	10 Nos. Each	DO		
143.	Slow speed hand piece (Plain taper fissure, Straight fissure, Tapered fissure	10 Nos. Each	DO		
144.	Diamond burs (Round, Tapered fissure, Inverted cone, Straight) for high Speed Hand Piece	10 Nos. Each	DO		
145.	Inverted cone bur	20 Nos	DO		
146.	Straight fissure flat end bur	20 Nos	DO		
147.	Straight fissure round end bur	20 Nos	DO		
148.	Tapered fissure flat end bur	20 Nos	DO		
149.	Tapered fissure round end bur	20 Nos	DO		
150.	Needle bur/ interproximal bur	20 Nos	DO		
151.	Wheel bur	20 Nos	DO		
152.	Football shaped/falme shaped Bur	20 Nos	DO		
153.	Egg shaped Bur	20 Nos	DO		
154.	Occlusal reduction/rugby bur	20 Nos	DO		
155.	Bur holder	03 Nos	DO		
156.	Bowl for alginate	10 Nos	DO		
157.	Bowl for plaster	10 Nos	DO		
158.	Examination set (probe, tweezer, dental mirror)	30 Nos	DO		
159.	Dental syringe	03 Nos	DO		
160.	Crown remover spring loaded	03 Nos	DO		
161.	Bunsen burner	15 Nos	DO		
162.	Cotton dispenser	03 Nos	DO		
163.	Brushes (for cold mould seal)	15 Nos	DO		
164.	Mandril for sand paper	10 Nos	DO		
165.	Dental flask	15 Nos	DO		
166.	Stone for lath (fine, abrasive,	05 Each	DO		

	coarse)				
167.	Wax knife	30 Nos	DO		
168.	Carver	30 Nos	DO		
169.	Spatula for alginate mixing	30 Nos	DO		
170.	Spatula for plaster mixing	30 Nos	DO		
171.	Brushes (for cold mould seal)	15 Nos	DO		
172.	Diamond burs (Round, Tapered fissure, Inverted cone, Straight) for Slow Speed Hand Piece	10 Nos. Each	DO		
173.	Vulcanite burs	5 boxes	DO		
174.	Long fissure tungsten steel carbide burs	10 Nos	DO		
175.	Cutter plier	15 Nos	DO		
176.	Flat plier	15 Nos	DO		
177.	Round plier	15 Nos	DO		
178.	Half round plier	15 Nos	DO		
179.	Plaster cutter	10 Nos	DO		
180.	Spirit lamp	10 Nos	DO		
181.	Stainless Steel Wire (0.7mm, 0.5mm)	05 Rolls	DO		
182.	Nickel Titanium Wire (round: size .012, .014, .016, 0.18, .020)	05 Nos Each	DO		
183.	S.S wire (0.5, 0.7,0,8 half round	5 Rolls	DO		
184.	Nickel Titanium(Rectangular) Sizes: .016X.016 .016X.022 .017X.025 .018X.018 .018X.025 .019X.025 .020X.020 .021X.025	05 Sets	DO		
185.	Glass slab (6×6)	10 Nos.	DO		
186.	Tray for polishing	04 Nos.	DO		
187.	Temporary Crowns (S.Steal)	25 Nos.	DO		

188.	Temporary Crowns (Plastic)	25 Nos.	DO		
189.	Base Former upper & lower	05 sets each	DO		
190.	Polisher	01 Nos.	DO		
191.	Air Tight Seal Container For Dental Plaster (10 Kg)	05 Nos.	DO		
192.	Conical Flask (100ml, 250ml, 500ml, 1000ml)	05 Nos.	DO		
193.	Pipette graduated(Manual &digital)	05 Each	DO		
194.	Filter paper	05 Nos.	DO		
195.	Whatman Filter paper No. 40, 41 & 42	05 Nos.	DO		
196.	Glass Rod	05 Nos.	DO		
197.	Burette 50 ml, 10ml (with Teflon stopper)	05 Each	DO		
198.	Beaker 1000,500,100,50,25,10ml	05 Each	DO		
199.	Funnel 75 mm,125mm	05 Each	DO		
200.	Graduated Cylinder 100 ml, 50,25,10	05 Each	DO		
201.	Thermometer	05 Nos.	DO		
202.	Volumetric flask 1000 ,500,100,50,25,10,5 ml	05 Each	DO		
203.	Pipette 25, 10,5,1 ml	05 Each	DO		
204.	Micropipette (1-10 micro lit)	02 Nos.	DO		
205.	Micropipette (10-100 micro lit)	02 Nos.	DO		
206.	Stop watch	10 Nos.	DO		
207.	Dispensing jars	02 Nos.	DO		
208.	Burette stands	02 Nos.	DO		
209.	Test tubes with screw cap	50 Nos.	DO		
210.	Tube stands	05 Nos.	DO		
211.	Sugar tubes	100 Nos.	DO		
212.	Sugar tubes stand	10 Nos.	DO		
213.	Membrane filters (small size)	05 Nos.	DO		
214.	Glass syringes	05 Nos.	DO		
215.	Petri plates	05 Nos.	DO		

216.	Mortar and pestle (agate and ceramic)	05 Nos.	DO		
217.	Test tube holders	04 Nos.	DO		
218.	Glass droppers	05 Nos.	DO		
219.	Plastic droppers	05 Nos.	DO		
220.	Centrifuge tubes (plastic and glass)	50 Nos.	DO		
221.	Slides (glass)	50 Nos.	DO		

Note: Specifications of above items are attached

Part-VII

SAMPLE FORMS

Form-I

Letter of Acceptance

Date: _____

To:

Advisor Planning & Development Department,
Jinnah Sindh Medical University,
Karachi,

Dear Sir:

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

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

If our Bid is accepted, we will obtain the guarantee of a bank in a sum equivalent to Five (5) percent of the Contract Price/Pay order for the due performance of the Contract, in the form prescribed by the Purchaser.

We agree to abide by this Bid for a period of 15 days from the date fixed for Bid opening under Clause 10 of the Instructions to Bidders, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

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

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

Dated this _____ day of _____ 2014_____.

[signature]

[in the capacity of]

Duly authorized to sign Bid for and on behalf of _____

Form-II

Price Schedule in Pak. Rupees

Name of Bidder _____ IFB Number _____. Page of ____

1	2	3	4	5	6	7
Item	Description	Country of origin	Quantity	Unit price	Total	Remarks (if any)

Words	Figure

Total Bid amount in words: _____

Total Bid amount in figure: _____

Signature of Bidder _____

Note:

- (i) In case of discrepancy between unit price and total, the unit price shall prevail.
- (ii) The unit and total prices Delivered at Planning & Development Department, Jinnah Sindh Medical University Karachi should include the price of incidental services. No separate payment shall be made for the incidental services.

Contract Form

THIS AGREEMENT made the _____ day of _____ 20____ between *Jinnah Sindh Medical University, Karachi*. (hereinafter called “the Procuring agency”) of the one part and *[name of Supplier]* of *[city and country of Supplier]* (hereinafter called “the Supplier”) of the other part:

WHEREAS the Procuring agency invited bids for certain goods and ancillary services, viz., Supply of MAJOR EQUIPMENTS, DENTAL CHAIRS, DENTAL MATERIALS AND INSTRUMENTS FOR SINDH INSTITUTE OF ORAL HEALTH SCIENCES, J.S.M.U, KARACHI. has accepted a bid by the Supplier for the supply of those goods and services in the sum of *[contract price in words and figures]* (hereinafter called “the Contract Price”).

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:
 - (a) the Bid Form and the Price Schedule submitted by the Bidder;
 - (b) the Schedule of Requirements;
 - (c) the Technical Specifications.
 - (d) the General Conditions of Contract;
 - (e) the Special Conditions of Contract; and
 - (f) the Procuring agency’s Notification of Award.
3. In consideration of the payments to be made by the Procuring agency to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Procuring agency to provide the goods and services and to remedy defects therein in conformity in all respects with the provisions of the Contract
4. The Procuring agency hereby covenants to pay the Supplier in consideration of the provision of the goods and services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the contract at the times and in the manner prescribed by the contract.

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

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

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

Performance Security Form

To:

**Planning & Development Department
Jinnah Sindh Medical University,
Karachi.**

WHEREAS *[name of Supplier]* (hereinafter called “the Supplier”) has undertaken, in pursuance of Contract No. *[reference number of the contract]* dated _____ 2014_____ to supply *[description of goods and services]* (hereinafter called “the Contract”).

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

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

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

This guarantee is valid until the _____ day of _____ 20_____.

Signature and seal of the Guarantors

[name of bank or financial institution]

[address]

[date]

Manufacturer's Authorization Form

To:

**Planning & Development Department
Jinnah Sindh Medical University,
Karachi.**

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

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

We hereby extend our full guarantee and warranty as per Clause 12 of the General Conditions of Contract for the goods offered for supply by the above firm against this Invitation for Bids.

[signature for and on behalf of Manufacturer]

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

TECHNICAL SPECIFICATION
FOR
SUPPLY OF MAJOR EQUIPMENTS, DENTAL CHAIRS, DENTAL MATERIALS
AND INSTRUMENTS FOR SINDH INSTITUTE OF ORAL HEALTH SCIENCES,
J.S.M.U, KARACHI.

<u>LIST OF MAJOR EQUIPMENTS</u>					
S. No.	Product	Quantity	Required Delivery Schedule from the Date of Contract Award	Unit Price in PKR	Total Price in PKR
66.	Compressor (Oil Free) With Drier for 04 Surgeries	01 No.	DO		
67.	Suction Machine for 04 Surgeries	01 No.	DO		
68.	Light Curing Machine	05 Nos.	DO		
69.	Amalgamator	05 Nos.	DO		
70.	Portable Dental Unit	03 Nos.	DO		
71.	Piezo Ultrasonic & Implant Motor	01 Nos.	DO		
72.	Prophylaxis System	05 Nos.	DO		
73.	Gutta Percha Cutter	05 Nos.	DO		
74.	Autoclave	04 Nos.	DO		
75.	Automatic Washer & Disinfection System with force Drying	01 Nos.	DO		
76.	Pouch Sealer	04 Nos.	DO		

77.	Water Distiller	04 Nos.	DO		
78.	Ultrasonic Cleaner	04 Nos.	DO		
79.	PH Meter	01 Nos.	DO		
80.	Infrared Thermometer	05 Nos.	DO		
81.	Medical Oxygen Cylinder Therapy Unit Portable and Trolley Mounted	02 Nos.	DO		
82.	First Aid Box	05 Nos.	DO		
83.	Wheel Chair	05 Nos.	DO		
84.	Intra Oral Camera with VGA Arm and LCD	05 Nos.	DO		
85.	Transport Stretcher	05 Nos.	DO		
86.	Pediatric Dental Unit	03 Nos.	DO		
87.	Digital SLR Camera with Ring Flash	02 Nos.	DO		
88.	Bio-Medical Engineering Tool Kit	01 Nos.	DO		
89.	Light Therapy & Teeth Whitening Machine	05 Nos.	DO		
90.	B.P Apparatus with stethoscope	05 Nos.	DO		
91.	Digital Glucometer	05 Nos.	DO		
92.	Induction Casting Machine	01 No.	DO		

93.	Polymerizing Units	01 No.	DO		
94.	Surveyor Manual	05 Nos.	DO		
95.	Micro motor (Bench Top)	06 Nos.	DO		
96.	Sand Blaster	02 Nos.	DO		
97.	Duplicating Machine With Duplicating Flask	01 No.	DO		
98.	High Speed Alloy Grinder	02 Nos.	DO		
99.	Electrolytic Polisher	02Nos.	DO		
100.	Fine Blasting Unit	02 Nos.	DO		
101.	Dental Surgical Binocular Loups With LED Headlights	05 Nos.	DO		
102.	Die Cutting Saw	01 Nos.	DO		
103.	Laser Pindex Hole Machine	01. Nos.	DO		
104.	Vacuum Former for Retainer	02 Nos.	DO		
105.	Bench Press Manual (Heavy Duty)	10 Nos.	DO		
106.	Dental Polishing Lathe cut	05 Nos.	DO		
107.	Hydraulic Dental Press	03 Nos.	DO		

108.	Hanging Engine Motor	10 Nos.	DO		
109.	Microtome for Dental Lab	01 No.	DO		
110.	Dental Models	01 No. each	DO		
111.	Dental Moulds	06 Nos. each	DO		
112.	Kennedy's Dental Moulds	01 No. each	DO		
113.	Centrifuge Machine for Oral Pathology Lab	01 No.	DO		
114.	Colorimeter for Oral Pathology Lab	01 No.	DO		
115.	Incubator for Oral Pathology Lab	01 No.	DO		
116.	Dental Milling Machine	01 No.	DO		
117.	X Ray Manual Developing Unit	04 Nos.	DO		
118.	Platelet Rich Fibrin (PRF& CGF Machine)	01 No.	DO		
119.	Electric Cautery Machine For Dental Purpose	01 No.	DO		
120.	Reagent Refrigerator	02 Nos	DO		
121.	Staining Rack	02 Nos	DO		
122.	Vertical Staining Jar with Cover	04 Nos	DO		

123.	Wax Dispenser	01 Nos	DO		
124.	Heamoglobinometer	02 Nos	DO		
125.	ESR rods	10 Nos	DO		
126.	Microscopes with Digital Imaging system	01 Nos	DO		
127.	Microscope with Group observation/discussion system	01 Nos	DO		
128.	Bench grinder	02 Nos	DO		
129.	Sedation delivery system for dental unit	01 Nos	DO		
130.	Dental Software	01 Nos	DO		

LIST OF DENTAL MATERIALS

176.	Glass ionomer Luting Cement	05 Nos.	Supply and install the good within 60 Days		
177.	Glass ionomer-Light Cure (RMGIC)	05 Nos.	DO		
178.	Glass ionomer High Strength Posterior Restorative (GC Gold Label 9)	05 Nos.	DO		
179.	Glass ionomer lining material	05 Nos.	DO		
180.	Glass ionomer Universal Restorative Material	05 Nos.	DO		
181.	Zinc phosphate cement	05 Nos.	DO		
182.	Zinc Polycarboxylate Cavity liner and Luting Cement	05 Nos.	DO		
183.	Zinc Oxide Eugenol cements	05 Nos.	DO		
184.	Reinforced Zinc Oxide Eugenol cements	05 Nos.	DO		
185.	Dental Hybrid Composite	05 Nos.	DO		
186.	Dental Flowable Composite(Flowable Composite)	05 Nos.	DO		
187.	Dental Composite Nanocomposite (Paradigm Nano Hybrid Restorative)	05 Nos.	DO		
188.	Micro Hybrid Composite	05 Nos.	DO		
189.	Dental Composite(Silorane Low Shrinkage Posterior Restorative System)	05 Nos.	DO		
190.	Amalgam Non-gamma 2 alloy (Non gamma 2)	04 Nos.	DO		
191.	Mercury (100 gm)	02 Nos.	DO		
192.	Amalgam(Logic + Regular Capsules)	10 Boxes	DO		
193.	Dental Alloy (Zinc Free)	02 Nos.	DO		
194.	Dental modeling wax	30 Nos.	DO		
195.	Bite and Boxing Wax	05 Nos..	DO		
196.	Carving Wax	05 Nos.	DO		
197.	Acrylic Teeth (1x6, 1x16, 1x28)	15 Nos.(Packets)	DO		

198.	Cold Mold Seal	30 Liters	DO		
199.	Metal (Cr, Co, Ni, Cr.) Alloys	5 Kg.	DO		
200.	Dental Inlay Wax (Inlay Casting Wax)	05 Nos.	DO		
201.	Sticky Wax	05 Nos..	DO		
202.	Dental Casting Wax	10 Nos.	DO		
203.	Boxing Wax	10 Nos.	DO		
204.	Dental Impression Wax	10 Nos.	DO		
205.	Bite Registration Wax	10 Nos.	DO		
206.	Pro-Utility wax	10 Nos.	DO		
207.	Sprue Wax	10 Nos.	DO		
208.	Occlusal Indicator Wax	10 Nos.	DO		
209.	Corrective Impression Wax	10 Nos.	DO		
210.	Impression Compound	30 Nos.	DO		
211.	Impression Compound Green Stick	40 Nos.	DO		
212.	Agar Impression Material(Supergel)	02 Nos.	DO		
213.	Dental Alginate	50 Nos.	DO		
214.	Dental Silicone Putty	10 Nos.	DO		
215.	Dental Silicone(Light Body)	10 Nos.	DO		
216.	C-Silicone putty	10 Nos.	DO		
217.	Polysulphide Impression Material	02 Nos.	DO		
218.	Polysulphide (Impregum Soft)	02 Nos.	DO		
219.	Polyether Impression Material(Impregum F)	02 Nos.	DO		
220.	Gypsum Bonded Investment	01 No.	DO		
221.	Phosphate Bonded Investmen(Deguvest Impact Phosphate Bonded investment)	01 No.	DO		
222.	Calcium Hydroxide (short setting)	05 Nos.	DO		
223.	Calcium Hydroxide (long setting)	05 Nos.	DO		
224.	Calcium Hydroxide (non setting)	02 Nos.	DO		
225.	Temporary Calcium Hydroxide Canal Treatment	03 Nos.	DO		

	Paste				
226.	Resin Dental Cement (Third Generation Universal Adhesive Resin Dental Cement)	02 Nos.	DO		
227.	MTA(Pro root MTA) Gray	02 No.	DO		
228.	MTA(Pro root MTA) White	02 No.	DO		
229.	Pulperyl	05 Nos.	DO		
230.	Cresophene	05 Nos.	DO		
231.	15% EDTA gel	10 Nos.	DO		
232.	Bioactive Dentine Substitute	03 Nos.	DO		
233.	Sodium Hypochlorite Solution 6%	05 Nos.	DO		
234.	ChlorhexidineGluconate	03 Nos.	DO		
235.	Sodium Chloride Irrigation(0.9%)	05 Nos.	DO		
236.	EDTA solution(17%)	05 Nos.	DO		
237.	Root Canal Preparation Cream	05 Nos.	DO		
238.	Root Canal Sealer	05 Nos.	DO		
239.	Root Canal Sealer(AH-26)	05 Nos.	DO		
240.	GuttaPercha Points(15-40)	20 Nos.	DO		
241.	GuttaPercha Points(45-80)	20 Nos.	DO		
242.	Paper Points(15-40)	20 Nos.	DO		
243.	Paper Points(45-80)	20 Nos.	DO		
244.	Super EBA	05 Nos.	DO		
245.	Intermediate Restorative Material(IRM)	02 Nos.	DO		
246.	Alveogyl	05 Nos.	DO		
247.	Caustinerf Fort	05 Nos.	DO		
248.	Gates Glidden and Lentelo Spiral (28mm Stainless Steel)	05 Nos.	DO		
249.	Disposable Syringe (12cc)	100 Nos.	DO		
250.	Dental Dappen Dish	10 Nos.	DO		
251.	H-File(Size 6,8,10)SS	10 Nos.	DO		
252.	H-File(Size 15-40)SS	10 Nos.	DO		

253.	H-File(Size 45-80)SS	10 Nos.	DO		
254.	H-File(Size 90-140)SS	10 Nos.	DO		
255.	K-File(Size 6,8,10)SS and Ni/Ti	10 Nos.	DO		
256.	K-File(Size 15-40) SS and Ni/Ti	10 Nos.	DO		
257.	K-File(Size 45-80)SS and Ni/Ti	10 Nos.	DO		
258.	H-File(Size 90-140)SS and Ni/Ti	10 Nos.	DO		
259.	Protaper (Size SX, S-1, S-2)Ni/Ti	05 Nos.	DO		
260.	Protaper (F1-F5)Ni/Ti	05 Nos.	DO		
261.	Ni/Ti Spreaders (Size 8,10,15,20,25,30,35,40)	05 Nos.	DO		
262.	Stainless Steel Hand Spreader (Size 8,10,15,20,25,30,35,40)	05 Nos. Each	DO		
263.	S.Steel Wire (26 gauge) For O. Surgery.	05 Nos.	DO		
264.	Peso Reamers	05 Nos.	DO		
265.	Reamers (Size 8,10,15,20,25,30,35,40,45) SS 21mm and 25mm	02 Nos. Each	DO		
266.	Hand Protaper	05 Nos.	DO		
267.	Rotary Machine	05 Nos.	DO		
268.	Apex Locater	03 Nos.	DO		
269.	Endodontic Explorer (DG16 DE Endodontic Explorer)	05 Nos.	DO		
270.	Periodontal Dressing (Cellulose Based)	05 Nos.	DO		
271.	Disposable Suction Tips	10 Nos. (Box)	DO		
272.	Absorbable Collagen WoundDressing	05 Nos.	DO		
273.	Periodontal Dressing	05 Nos.	DO		
274.	Surgical Cement for Periodontal Dressing	05 Nos.	DO		
275.	Acrylic Resin (Self Cure)	20 Nos.	DO		
276.	Monomer (Self Cure)	20 Nos.	DO		
277.	Acrylic Resin (Heat Cure)	20 Nos.	DO		

278.	Monomer (Heat Cure)	20 Nos.	DO		
279.	Soft Plaster	100 Kg.	DO		
280.	Hard Plaster	100 Kg.	DO		
281.	Die stone	05 Kg.	DO		
282.	Quartz (Abrasive Mat.)	02 Nos.	DO		
283.	Aluminiumoxide (Abrasive Mat.)	02 Nos.	DO		
284.	Cuttlebone(Abrasive Mat.)	02 Nos.	DO		
285.	Keiselghur (Abrasive Mat.)	02 Nos.	DO		
286.	Rouge(Abrasive Mat.)	02 Nos.	DO		
287.	Tripoli (Abrasive Mat.)	02 Nos.	DO		
288.	Fixer Solution for X-Ray Films	10 Packets	DO		
289.	Developer Solutions for X-Ray Films	10 Packets	DO		
290.	Orthodontic Bands for Molar and Premolar U/L (various sizes)	100 Nos.	DO		
291.	Power chains (clear-colorless)	2 Nos. (Spools)	DO		
292.	Ligature Wire	01 Nos. (Packets)	DO		
293.	O-Ring Colorless for Ortho.	01 Nos. (Packets)	DO		
294.	Co-byashi-ties	01 Nos. (Packets)	DO		
295.	NI-Ti Coil Spring (6mm, 8mm, 10mm, 12mm, 14mm)	01 Nos. (Packets)	DO		
296.	Elastics For Ortho. (Light, Medium, Heavy) ¼, 3/16, 5/16,1/8.	01 Nos. (Packets)	DO		
297.	Dental Floss	04 Nos.	DO		
298.	Orthodontic Wax	10 Nos. (Packets)	DO		
299.	Orthodontic Brackets (Roth press)	10 Sets.	DO		
300.	Orthodontic Headgear (Reverse Pull, Combination Pull, Low pull, High Pull)	02 Nos.	DO		
301.	Instrument kit for orthodontics with boxes	05 Nos.	DO		
302.	Forsus Functional Appliance kit (Orthodontics)	05 Nos.	DO		

303.	Molar Tubes for Orthodontics	10 Nos. (Sets)	DO		
304.	Composite Finishing Disc (Coarse, Medium , Fine, Extra Fine)	03 Nos. (Each)	DO		
305.	Sprit	10 Litter	DO		
306.	Bleaching Kit 35-40% hydrogen per oxide for vital teeth	10 Nos.	DO		
307.	Vacuum Forming Machine for Bleaching Tray	02	DO		
308.	Hand Sanitizer	50 Liters	DO		
309.	sterile cotton wool rolls	20 PKT	DO		
310.	Napkin	20 PKT	DO		
311.	Sterilization Pouch Self Sealing Small , Medium	10 Boxes Each	DO		
312.	Pouch Rolls (1",2",3" 4")	10 Nos. Each	DO		
313.	Sutures (Slik 3-0, Proline 3-0, Catgut 3-0, Vicryl 3-0)	10 Nos. Each	DO		
314.	Surgical Gauze	10 Nos.	DO		
315.	Gauze Rolls	10 Nos.	DO		
316.	Lidocane injection (1.8ml) (1: 100,000) Lidocane HCL....36 mg. Epinephrine Bitartate...0.0324mg	50 Nos. (Boxes)	DO		
317.	Disinfectant (cold Sterilization)(Dental & Surgical Intruments)	50 Liters	DO		
318.	Disinfectant for medical devices) and surfaces	20 Bottles	DO		
319.	Disinfectant (non-Foaming) for Dental Suction system	20 Bottles	DO		
320.	Dental Implant with Abutment Bone Level w (Internal SLA Surface, taper FDA approve Self Tapping Plate form Switching different sizes	50 Pcs.	DO		
321.	Resorbale Bone (0.3cc)	05 Nos.	DO		
322.	Pericardium Membrane 15 mm X 30mm, flexible and moldable customized titanium membrane (kit for GBR procedure)	05 Nos.	DO		

323.	Lab Analogue, for Implant	05 Nos.	DO		
324.	Angle Abutment for Implant	05 Nos.	DO		
325.	Impression coping for Implant	05 Nos.	DO		
326.	Implant Kit Complete with Sinus Lift	02 Kits	DO		
327.	<u>Histology Slides</u> Ground section of anterior tooth Ground section of posterior tooth Ground section dead tracts Ground section Enamel spindle Ground section Enamel lamellae Ground section Enamel Striae Ground section Enamel Tufts Tongue HE Staining Circumvalate Papillae Tongue HE Staining Filiform and fungiform Oral Epithelium Platae/Keratinized Mucosa Oral Epithelium Buccal mucosa/nonkeratinized Mucosa Acellular cementum Cellular cementum Compact bone HE staining Compact bone ground section Cancellous bone HE Staining Cancellous bone ground section Mucous Salivary/Sublingual gland HE Staining Serous Salivary/Parotid gland HE Staining Mixed salivary/Submandibular gland HE Staining Dental Pulp HE staining Primary Secondary and tertiary dentine Ground sections Dentine Transverse section HE staining Taste buds HE staining Dental Pulp calcification HE staining Tooth development Bud stage Tooth Development Cap Stage	02 each	DO		

	Tooth development Bell stage				
328.	Sterile Cotton Pallets	50 PKT	DO		
329.	Tempron	05 Nos	DO		
330.	Cavex	20 Nos	DO		
331.	Indelible pencil	10 Nos	DO		
332.	Round wire 0.7 mm	10 rolls	DO		
333.	Articulating papers	50 Packets	DO		
334.	Spirit	20 Litres	DO		
335.	Sodium perborate powder 15%	100gm	DO		
336.	Sand papers (fine)	30 Nos	DO		
337.	Elfi	10 Nos	DO		
338.	Buff for polishing	10 Nos	DO		
339.	Vaseline	10 Nos	DO		
340.	polishing cake	10 Nos	DO		
341.	Retraction card with liquid	05 Nos	DO		
342.	Transparent self cure acrylic	5 kg	DO		
343.	Latex Gloves (Small, Medium, Large)	20 Nos. (Each Packet)	DO		
344.	Surgical Gloves (6/1/2, 7)	10 Nos. (Each Packet)	DO		
345.	Sterilization Gloves / Safety Gloves (Heavy Duty)	5 Pairs	DO		
346.	Plastic Gloves (Small, Medium, Large)	50 Nos. (Each Packet)	DO		
347.	Face Mask (NA 90, NA 100)	5 Nos. (Each Boxes)	DO		
348.	Face Mask (Doubly Ply)	5 Nos. (Boxes)	DO		
349.	Periapical x-ray (Manual)	10 Nos. (Packets)	DO		
350.	Patients Apron	10 Nos. (Boxes)	DO		

LIST OF DENTAL INSTRUMENTS

222.	Examination Instruments (Mouth Mirror, Probe and twizer) SS	200 Sets.	Supply and install the good within 60 Days		
223.	Condensor (Plugger)-Smooth	20 Nos.	DO		
224.	Condensor (Plugger)-Serrated	20 Nos.	DO		
225.	Interproximal Condensor	10 Nos.	DO		
226.	Liner Applicator	20 Nos.	DO		
227.	Burnisher-Football	10 Nos.	DO		
228.	Burnisher-Ball	10 Nos.	DO		
229.	Burnisher-Acorn	10 Nos.	DO		
230.	T-Ball Burnisher	10 Nos.	DO		
231.	Beavertail Burnisher	10 Nos.	DO		
232.	Tanner Carver	10 Nos.	DO		
233.	Discoid-Cleoid Carver	10 Nos.	DO		
234.	Gold Carving Knife (Titanium coated)	10 Nos.	DO		
235.	Interproximal Carving Knife	10 Nos.	DO		
236.	Tofflemire/Matrix Band Retainer (Automatrix)	10 Nos.	DO		
237.	Matrix Bands Strips	10 PKT.	DO		
238.	Wooden Wedges	10Boxes.	DO		
239.	Amalgam Well	05 Nos.	DO		
240.	Articulating Paper Holder	10 Nos.	DO		
241.	Composite Placement Instrument	05 Nos.	DO		
242.	Composite Burnisher	10 Nos.	DO		
243.	Finishing Strip	05 Nos.	DO		
244.	Crown and Bridge Scissors	03 Nos.	DO		
245.	Provisional Crown Removing Forceps	05 Nos.	DO		
246.	Trail Crown Remover	05 Nos.	DO		
247.	Endodontic Explorer	05 Nos.	DO		
248.	Endodontic Long Shank Spoon Excavator	05 Nos.	DO		
249.	Endodontic Locking Forceps	05 Nos.	DO		

250.	Broach	05 Nos.	DO		
251.	Endodontic Millimeter Ruler (Ring)	10 Nos.	DO		
252.	Gates Glidden Bur	05 Nos.	DO		
253.	Endodontic Irrigating Syringe	100 Nos.	DO		
254.	Sterile Absorbent Paper Points	05 Nos.	DO		
255.	Hand Spreader	10 Nos.	DO		
256.	Endodontic Spreader	05 Nos.	DO		
257.	Endodontic Plugger	05 Nos.	DO		
258.	Micro Retro Amalgam Carrier	03 Nos.	DO		
259.	Micro Retro Mouth Mirror	20 Nos.	DO		
260.	Universal Curettes	05 Nos.	DO		
261.	Langer Universal Curettes	05 Nos.	DO		
262.	Area Specific Curettes-Anterior	05 Nos.	DO		
263.	Area Specific Curettes-Posterior	05 Nos.	DO		
264.	Extended Area Specific Curettes-Anterior	05 Nos.	DO		
265.	Extended Area Specific Curettes-Posterior	05 Nos.	DO		
266.	Mini Extended Area Specific Curettes-Anterior	05 Nos.	DO		
267.	Mini Extended Area Specific Curettes-Posterior	05 Nos.	DO		
268.	Straight Sickle Scaler	05 Nos.	DO		
269.	Curved Sickle Scaler	05 Nos.	DO		
270.	Sharpening Stones	05 Nos.	DO		
271.	Scissors-Short Blade	05 Nos.	DO		
272.	Elastic Separating Pliers	05 Nos.	DO		
273.	Steel Spring Separators	05 Nos.	DO		
274.	Band Pusher	05 Nos.	DO		
275.	Band Seater	05 Nos.	DO		
276.	Arch Bending Pliers (Tweed)	07 Nos.	DO		
277.	Tweed Loop Forming Pliers	05 Nos.	DO		
278.	Three Prong Pliers	05 Nos.	DO		

279.	Bird Beak Pliers	05 Nos.	DO		
280.	Howe Pliers	05 Nos.	DO		
281.	Distal End Cutting Pliers	05 Nos.	DO		
282.	Orthodontic Matheiw	10 Nos.	DO		
283.	Ligature Tying Pliers	05 Nos.	DO		
284.	Ligature/Wire Cutter	05 Nos.	DO		
285.	Cheek / Lip Retractors	05 Nos.	DO		
286.	Posterior Band Remover	05 Nos.	DO		
287.	Reflector/Mirror for Orthodontic Picture (Glass / Metals)	02 Nos.	DO		
288.	Retractor for Orthodontic Pic.(Small & Medium)	02 Nos.	DO		
289.	Bracket Remover	05 Nos.	DO		
290.	Adhesive Removing Pliers	05 Nos.	DO		
291.	Model Casing for patients record (Orthodontics)	100 Nos.	DO		
292.	Orthoscrew implant Different Sizes (8mm, 10mm, 12mm)	20 Nos.	DO		
293.	Mouth Prop	05 Nos.	DO		
294.	Mouth Gag	05 Nos.	DO		
295.	Scalpel Handle with Blades (11, 12, 15, 16)	05 Nos.	DO		
296.	Scalpel Blade Remover	05 Nos.	DO		
297.	Tissue Scissor	05 Nos.	DO		
298.	Tissue Forceps	05 Nos.	DO		
299.	Periosteal Elevator	05 Nos.	DO		
300.	Surgical Curette	05 Nos.	DO		
301.	Tongue and Cheek Retractor	10 Nos.	DO		
302.	Needle Holder	10 Nos.	DO		
303.	Suture Needles and Sutures	10 Nos.	DO		
304.	Suture Scissors	10 Nos.	DO		
305.	Universal Surgical	10 Nos.	DO		
306.	Interdental File	10 Nos.	DO		
307.	Micro periosteal Elevator	05 Nos.	DO		

308.	Periostal Curve angle	05 Nos.	DO		
309.	Tissue graft plugger	05 Nos.	DO		
310.	Mucosal flap perpetrator	05 Nos.	DO		
311.	Suture and membranes tweezers	05 Nos.	DO		
312.	Atraumatic tweezer	05 Nos.	DO		
313.	Disecting tweezers	05 Nos.	DO		
314.	Cheek rector	05 Nos.	DO		
315.	CPITN probe	05 Nos.	DO		
316.	sterile cotton wool rolls dispenser	10 Nos.	DO		
317.	Sterile cotton pallet dispenser	10 Nos.	DO		
318.	Magnetic Bur Holder	10 Nos.	DO		
319.	Endo Box Autoclavable	25 Nos.	DO		
320.	Napkin holder	100 Nos.	DO		
321.	Straight Elevator	05 Nos.	DO		
322.	Luxating Elevator	05 Nos.	DO		
323.	Periotomes	05 Nos.	DO		
324.	Root Elevators	05 Nos.	DO		
325.	T Bar Elevators	05 Nos.	DO		
326.	Root Tip Elevators	05 Nos.	DO		
327.	Root Tip Picks	05 Nos.	DO		
328.	Rongeurs	05 Nos.	DO		
329.	Bone File	05 Nos.	DO		
330.	Laboratory Coat different Sizes with monogram as per required	20 Nos.	DO		
331.	Protective Glasses	05 Nos.	DO		
332.	Sharps Container	10 Nos.	DO		
333.	Flexible Rubber Bowl	10 Nos.	DO		
334.	Flexible Alginate Spatula	10 Nos.	DO		
335.	Disposable Plastic Perforated Full Arch Impression Trays	05Sets.	DO		
336.	Impression trays (for partial denture)	10 boxes	DO		

337.	Impression trays (for complete denture)	10 boxes	DO		
338.	Metal Perforated Full Arch Impression Tray	05Sets.	DO		
339.	Disposable Plastic Perforated Quadrant and Anterior Impression Trays	05 Sets.	DO		
340.	Triple Tray	05 Nos.	DO		
341.	Mixing Gun for Final Impression Material	02 Nos.	DO		
342.	Bite Registration Tray	02 Nos.	DO		
343.	Laboratory Spatula	05 Nos.	DO		
344.	Flexible Mixing Spatula	05 Nos.	DO		
345.	Paper Mixing Pads	10 Nos.	DO		
346.	Glass Sprit lamp	20 Nos.	DO		
347.	Hypochloride Bleach	20 Litter	DO		
348.	Normal Saline	50 Nos.	DO		
349.	Intra Oral X-Ray Film (Manual) Box of 150 Pcs	10 Pkts.	DO		
350.	Extra Oral X-Rays- Cephalometric and Panoramic (Dry Laser Printer Sheets) 100 sheets	05 Pkts. Each	DO		
351.	Film Holder For Intra Oral X-Rays	05 Nos.	DO		
352.	Lead Aprons	05 Nos.	DO		
353.	X Ray View Luminator 24" x 36"	05 Nos.	DO		
354.	High collar waste coat Apron for patient	05 Nos.	DO		
355.	X-ray protective Mask	05 Nos.	DO		
356.	New clear disposable dental impression trays (Upper & Lower Arch)	10 Sets Each	DO		
357.	Alginate spatula	10 Nos.	DO		
358.	Curved end plaster spatula	10 Nos.	DO		
359.	Alginate Bowl	10 Nos.	DO		
360.	Plaster Bowl	10 Nos.	DO		
361.	Resin Mixing cups for acrylics	05 Nos.	DO		
362.	Surgical Burs (Long shank, Rose Head , Round Bur)	10 Nos. Each	DO		

363.	High Speed burs (Plain taper fissure, Straight fissure, Tapered fissure	10 Nos. Each	DO		
364.	Slow speed hand piece (Plain taper fissure, Straight fissure, Tapered fissure	10 Nos. Each	DO		
365.	Diamond burs (Round, Tapered fissure, Inverted cone, Straight) for high Speed Hand Piece	10 Nos. Each	DO		
366.	Inverted cone bur	20 Nos	DO		
367.	Straight fissure flat end bur	20 Nos	DO		
368.	Straight fissure round end bur	20 Nos	DO		
369.	Tapered fissure flat end bur	20 Nos	DO		
370.	Tapered fissure round end bur	20 Nos	DO		
371.	Needle bur/ interproximal bur	20 Nos	DO		
372.	Wheel bur	20 Nos	DO		
373.	Football shaped/falme shaped Bur	20 Nos	DO		
374.	Egg shaped Bur	20 Nos	DO		
375.	Occlusal reduction/rugby bur	20 Nos	DO		
376.	Bur holder	03 Nos	DO		
377.	Bowl for alginate	10 Nos	DO		
378.	Bowl for plaster	10 Nos	DO		
379.	Examination set (probe, tweezer, dental mirror)	30 Nos	DO		
380.	Dental syringe	03 Nos	DO		
381.	Crown remover spring loaded	03 Nos	DO		
382.	Bunsen burner	15 Nos	DO		
383.	Cotton dispenser	03 Nos	DO		
384.	Brushes (for cold mould seal)	15 Nos	DO		
385.	Mandril for sand paper	10 Nos	DO		
386.	Dental flask	15 Nos	DO		
387.	Stone for lath (fine, abrasive,	05 Each	DO		

	coarse)				
388.	Wax knife	30 Nos	DO		
389.	Carver	30 Nos	DO		
390.	Spatula for alginate mixing	30 Nos	DO		
391.	Spatula for plaster mixing	30 Nos	DO		
392.	Brushes (for cold mould seal)	15 Nos	DO		
393.	Diamond burs (Round, Tapered fissure, Inverted cone, Straight) for Slow Speed Hand Piece	10 Nos. Each	DO		
394.	Vulcanite burs	5 boxes	DO		
395.	Long fissure tungsten steel carbide burs	10 Nos	DO		
396.	Cutter plier	15 Nos	DO		
397.	Flat plier	15 Nos	DO		
398.	Round plier	15 Nos	DO		
399.	Half round plier	15 Nos	DO		
400.	Plaster cutter	10 Nos	DO		
401.	Spirit lamp	10 Nos	DO		
402.	Stainless Steel Wire (0.7mm, 0.5mm)	05 Rolls	DO		
403.	Nickel Titanium Wire (round: size .012, .014, .016, 0.18, .020)	05 Nos Each	DO		
404.	S.S wire (0.5, 0.7,0,8 half round	5 Rolls	DO		
405.	Nickel Titanium(Rectangular) Sizes: .016X.016 .016X.022 .017X.025 .018X.018 .018X.025 .019X.025 .020X.020 .021X.025	05 Sets	DO		
406.	Glass slab (6×6)	10 Nos.	DO		
407.	Tray for polishing	04 Nos.	DO		
408.	Temporary Crowns (S.Steal)	25 Nos.	DO		

409.	Temporary Crowns (Plastic)	25 Nos.	DO		
410.	Base Former upper & lower	05 sets each	DO		
411.	Polisher	01 Nos.	DO		
412.	Air Tight Seal Container For Dental Plaster (10 Kg)	05 Nos.	DO		
413.	Conical Flask (100ml, 250ml, 500ml, 1000ml)	05 Nos.	DO		
414.	Pipette graduated(Manual &digital)	05 Each	DO		
415.	Filter paper	05 Nos.	DO		
416.	Whatman Filter paper No. 40, 41 & 42	05 Nos.	DO		
417.	Glass Rod	05 Nos.	DO		
418.	Burette 50 ml, 10ml (with Teflon stopper)	05 Each	DO		
419.	Beaker 1000,500,100,50,25,10ml	05 Each	DO		
420.	Funnel 75 mm,125mm	05 Each	DO		
421.	Graduated Cylinder 100 ml, 50,25,10	05 Each	DO		
422.	Thermometer	05 Nos.	DO		
423.	Volumetric flask 1000 ,500,100,50,25,10,5 ml	05 Each	DO		
424.	Pipette 25, 10,5,1 ml	05 Each	DO		
425.	Micropipette (1-10 micro lit)	02 Nos.	DO		
426.	Micropipette (10-100 micro lit)	02 Nos.	DO		
427.	Stop watch	10 Nos.	DO		
428.	Dispensing jars	02 Nos.	DO		
429.	Burette stands	02 Nos.	DO		
430.	Test tubes with screw cap	50 Nos.	DO		
431.	Tube stands	05 Nos.	DO		
432.	Sugar tubes	100 Nos.	DO		
433.	Sugar tubes stand	10 Nos.	DO		
434.	Membrane filters (small size)	05 Nos.	DO		
435.	Glass syringes	05 Nos.	DO		
436.	Petri plates	05 Nos.	DO		

437.	Mortar and pestle (agate and ceramic)	05 Nos.	DO		
438.	Test tube holders	04 Nos.	DO		
439.	Glass droppers	05 Nos.	DO		
440.	Plastic droppers	05 Nos.	DO		
441.	Centrifuge tubes (plastic and glass)	50 Nos.	DO		
442.	Slides (glass)	50 Nos.	DO		