

**JINNAH SINDH MEDICAL UNIVERSITY, KARACHI**

**NATIONAL COMPETATIVE BIDDING**

**FOR**

**TENDER FOR SUPPLY OF DENTAL MATERIAL, EQUIPMENTS & INSTURMENT PARTS AT JINNAH SINDH MEDICAL UNIVERSITY KARACHI**

January 2018

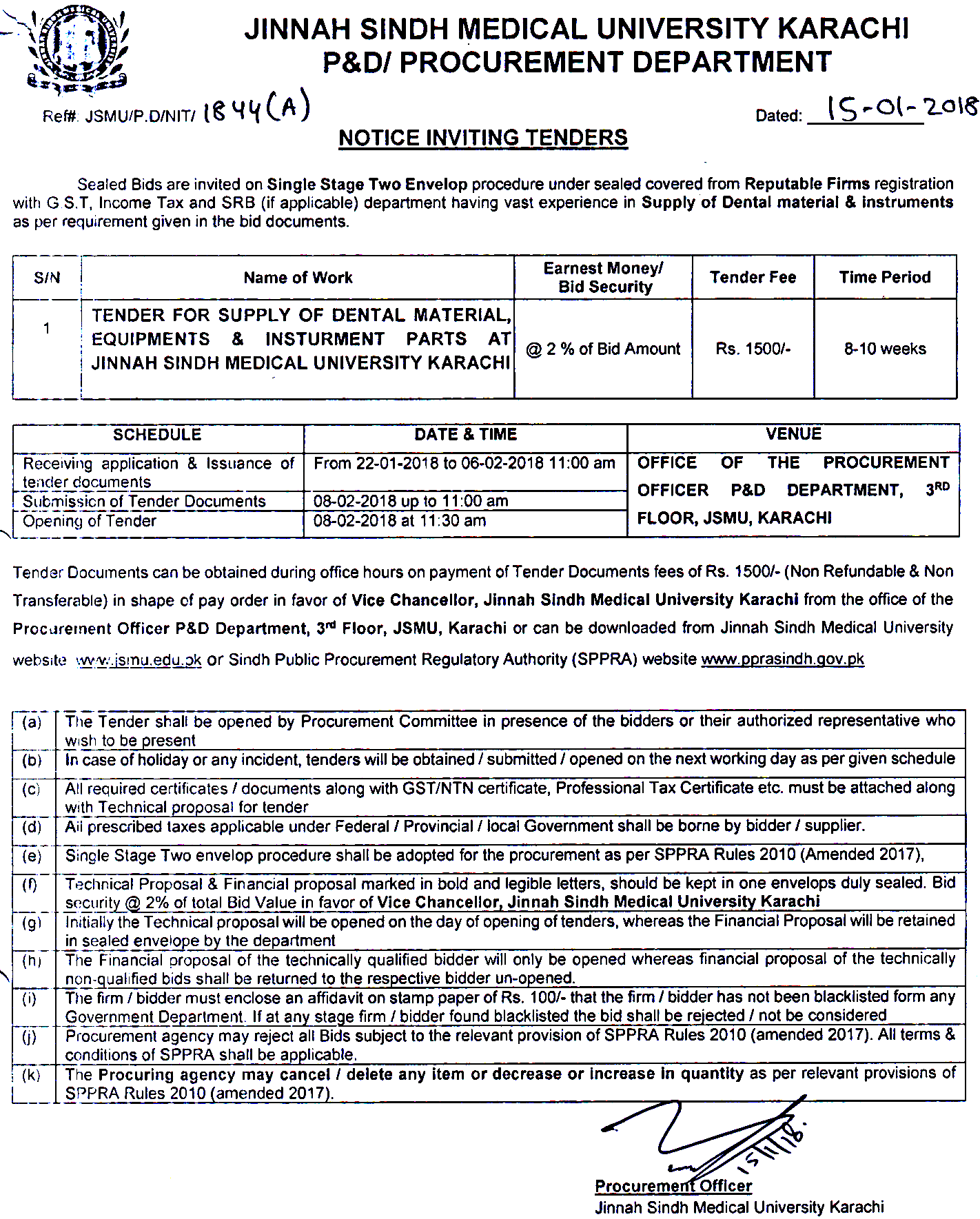
**Jinnah Sindh Medical University**

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**Part-II**

**INSTRUCTION TO BIDDERS**

**PREPARATION OF BIDS**

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|  | **Scope** | 1.1 | The Jinnah Sindh Medical University, Karachi intend to Purchase **TENDER FOR SUPPLY OF DENTAL MATERIAL,EQUIPMENTS & INSTURMENT PARTS AT JINNAH SINDH MEDICAL UNIVERSITY KARACHI** Through National Competitive Bidding Single Stage Two Envelope Procedure as per SPPRA Rules-2010 (Amended 2017). |
|  | **Language of Bid** | 2.1 | The bid prepared by the Bidder, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Procuring agency shall be written in the English language. |
|  | **Documents Comprising the Bid** | 3.1 | The bid prepared by the Bidder shall comprise the following components:   1. Price Schedule completed in accordance with ITB Clauses 4, 5 and 6. 2. bid security furnished in accordance with ITB Clause-9. |
|  | **Bid Prices** | 4.1 | The Bidder shall indicate on the appropriate Price Schedule the unit prices (where applicable) and total bid price of the goods it proposes to supply under the contract. |
|  |  | 4.2 | The prices shall be quoted on delivery to consignee’s end inclusive of all taxes, stamps, duties, levies, fees and installation and integration charges imposed till the delivery location specified in the schedule of Requirements. No separate payment shall be made of the incidental services. |
|  |  | 4.3 | Prices quoted by the by the Bidder shall be fixed during the Bidder’s performance of the contract and not subject to variation on any account, unless otherwise specified in the Bid Data Sheet. |
|  |  | 4.4 | Prices shall be quoted in Pak Rupees unless otherwise specified in the Bid Data Sheet. |
|  | **Bid Form** | 5.1 | The Bidder shall complete the Bid Form and the appropriate Price Schedule furnished in the bidding documents, indicating the goods to be supplied, a brief description of the goods, their country of origin, quantity, and prices. |
|  | **Bid Currencies** | 6.1 | Prices Shall be quoted in Pak Rupees. |
|  | **Documents Establishing Bidder’s Eligibility and Qualification** | 7.1 | The Bidder shall furnish, as part of its bid, documents establishing the Bidder’s eligibility to bid and its qualifications to perform the contract if its bid is accepted.   1. 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. 2. that the Bidder has the financial ,technical ,and production capability necessary to perform the contract; 3. that the Bidders meets the qualification criteria listed in the Bid Data Sheet. |
|  | **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:   1. a detailed description of the essential technical and performance characteristics of the goods; 2. 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 |
|  | **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:   1. at the Bidder’s option, be in the form of either demand draft/call deposit or an unconditional bank guarantee from a reputable Bank: 2. bid submitted in its original form: copies will not be accepted; 3. 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 release 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:   1. if a Bidder withdraws its bid during the period of bid validity or 2. in the case of a successful Bidder, if the bidder fails: 3. to sign the contract in accordance or 4. 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 per mitted 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 un-amended 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**

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| **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. 08-02-2018 AT 11:00 A.M*”** |
|  |  | 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**

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| **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**

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| **21.** | **Post –Qualification** | 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. |
|  |  | 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 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. |
|  |  | 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. |
| **22.** | **Award Criteria** | 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. |
| **23.** | **Procuring agency’s Right to Accept any Bid and to Reject any or All Bids** | 23.1 | Subject to relevant provisions of SPP Rules 2010 (Amended 2017), 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. |
|  |  | 23.2 | Pursuant to Rule 45 of SPP Rules 2010 (Amended 2017), 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. |
| **24.** | **Notification of Award** | 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. |
|  |  | 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:   1. **“Corrupt and Fraudulent Practices”** means either one or any combination of the practices given below;    * 1. “**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;      2. “**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;      3. **“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;      4. “**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**

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| 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 2017).  (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 Contact 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; |
| 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.   * 1. This warranty shall remain valid as per BOQ (03 Years and 01 Year wherever applicable) 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. |
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| 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.   * 1. 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 2017). |
| 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 2017) | In case of conflict or primacy of interpretation the provisions of SPP Rules 2010 (amended 2017) 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 **“TENDER FOR SUPPLY OF DENTAL MATERIAL,  
EQUIPMENTS & INSTURMENT PARTS AT JINNAH SINDH MEDICAL UNIVERSITY 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.

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| **Introduction** | | |
| **ITB 1** | **Name of Procuring Agency:** | P&D/Procurement Department, Jinnah Sindh Medical University, Karachi. Telephone No. 021-35223812-, Fax 021-99201772. |
| **ITB 2** | **Name of Contract.** | TENDER FOR SUPPLY OF DENTAL MATERIAL, EQUIPMENTS & INSTURMENT PARTS AT JSMU Karachi |
| **Bid Price and Currency** | | |
| **ITB 3** | Prices quoted by the Bidder shall be “fixed” and in” Pak Rupees” | |
| **Preparation and Submission of Bids** | | |
| **ITB 4** | *Selection Criteria / Responsiveness Criteria:*  ***Package 01***  *The Bidder should not have been barred by any of Provincial or Federal Govt. Deptt., Agency, Organization or autonomous body or Private sector organization anywhere in Pakistan. (Submission of undertaking on 100/- legal stamp paper).*  *Latest Income Tax Certificate (NTN), Valid GST & SRB Registration Certificate. (wherever Applicable)*  *Price offered for the partial quantity will be accepted.(Samples may be called on demand)*  *The bidder must have done at least three (03) Contacts of similar nature. “Similar nature means Supply of Dental Material / Equipment” (Please submit copy of PO/Contract Agreement/Notification of Award).*  *The bidder must have turnover/sales exceeding 5 Million in PKR annually in any of last three years. (Submission of Audited Annual Reports or Bank statement*  *All the proposed products should be well known, well reputed brands and widely used for its quality, performance and reliability.*  *All proposed items must have at least one year warranty (If applicable).*  ***Package 02 & 03***  *1. The bidder should be either OEM for Dental equipment / material or its authorized dealers or partners. The authorized dealer will be required to submit manufacturer’s authorization letter, on the OEM’s letter head.*  *2. The bidder must have done at least Five (05) Contacts of similar nature. “Similar nature means Supply of Dental Material / Equipment” (Please submit copy of PO/Contract Agreement/Notification of Award).*  *3. The Bidder should not have been barred by any of Provincial or Federal Govt. Deptt., Agency, Organization or autonomous body or Private sector organization anywhere in Pakistan. (Submission of undertaking on 100/- legal stamp paper).*  *4. The bidder must have turnover/sales exceeding 15 Million in PKR annually in any of last three years. (Submission of Audited Annual Reports or Bank statement.*  *5. All the proposed products should be well known, well reputed brands and widely used for its quality, performance and reliability.*  *6. Repair and maintenance of the proposed products/items should be easily possible from the market without any dependency to any specific vendor or supplier.*  *7. All proposed items must have at least one year warranty.*  *8. Latest Income Tax Certificate (NTN), Valid GST Registration Certificate.*  *9. Price offered for any item should be for the entire quantity demanded, partial quantity offers shall straight way be rejected.*  *10. Bidder can participate in each package separately.*  Note: Bidder must provide necessary supporting documents as proof in respect of the selection criteria mentioned above. | |
| **ITB 5** | **Amount of bid security.** 2% of Bid *bidding amount* | |
| **ITB 5.1** | Stamp duty 0.35% or notify by the Govt of Sindh shall be paid by successful bidder as stamp duty | |

|  |  |
| --- | --- |
| **ITB 6** | **Bid validity period**. 90 days |
| **ITB 6.1** | **Bid validity** Clarification may be requested not later than **07 days** before the submission date For **Clarification of bid purposes** only, the Purchaser’s address is:  Attention: ***(Procurement Officer)*** Address: JSMU Rafiqui H.J. Shaheed Road, Karachi. |
| **ITB 7** | **Number of copies.** One original |
| **ITB 8** | Amount of Performance Guarantee of@ **5%** of the bidding amount for the whole agreement period |
| **ITB 9** | **Deadline for bid submission *08-02-2018*** at 11.00 AM |
| **ITB 10** | **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 P&D/Procurement 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: 5%.

3. Inspections and Tests (GCC Clause 5)

Representative of Procuring Agency or his nominee 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.

1. Supplier's invoice showing Goods' description, quantity, unit price, and total amount;
2. Packing List identifying the contents of Supply;
3. Delivery note.
4. Warranty and guarantee certificate;

5. 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

6. 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 Representative/nominee of the SPPRA.

7. 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.

8. 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 2017

**9. 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.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S/N** | **Product** | **Quantity** | **Required Delivery Schedule from the Date of Contract Award** | **Location** |
|  | **TENDER FOR SUPPLY OF EQUIPMENT FOR OPERATIVE DENTISTRY DEPARTMENT JINNAH SINDH MEDICAL UNIVERSITY KARACHI** |  | Delivery within 08-10 weeks | Store Section, JSMU. |

**Note:** Specifications of above items are attached below.

**(PACKAGE 01)**

**DENTAL MATERIAL**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| S/N | Description | | Country of Origin | Packing | Qty | | | | Unit Price | Total | | | Remarks  (If Any) | |
| 1 | IVORY RETAINER | |  | Pcs | 12 | | | |  |  | | |  | |
| 2 | AUTO-MATRIX | |  | Kit | 04 | | | |  |  | | |  | |
| 3 | SECTIONAL MATRIX | |  | Kit | 04 | | | |  |  | | |  | |
| 4 | SEPARATED INSTRUMENT REMOVAL KIT | |  | Kit | 02 | | | |  |  | | |  | |
| 5 | NEONATAL FLEXIBLE IMPRESSION TRAYS | |  | Set | 02 | | | |  |  | | |  | |
| 6 | HEAT CURE POWDER | |  | Kg | 15 | | | |  |  | | |  | |
| 7 | HEAT CURE LIQUID | |  | Liter | 32 | | | |  |  | | |  | |
| 8 | SELF CURE POWDER | |  | Kg | 15 | | | |  |  | | |  | |
| 9 | SELF CURE LIQUID | |  | Liter | 32 | | | |  |  | | |  | |
| 10 | INVESTMENT MATERIAL WITH LIQUID | |  | Kg | 40 | | | |  |  | | |  | |
| 11 | SCRAPERS 6" | |  | Pcs | 06 | | | |  |  | | |  | |
| 12 | SOFT BASE MATERIAL | |  | Pack | 20 | | | |  |  | | |  | |
| 13 | SOFT BASE FINISHING KIT | |  | Kit | 06 | | | |  |  | | |  | |
| 14 | AGAR AGAR | |  | Kg | 15 | | | |  |  | | |  | |
| 15 | PREFABRICATED WAX | |  | Box | 04 | | | |  |  | | |  | |
| 16 | DUPLICATING FLASK | |  | Metal & Rubber Pair | 03 Each | | | |  |  | | |  | |
| 17 | LASER THIN DISCS | |  | Pcs | 100 | | | |  |  | | |  | |
| 18 | GREEN STONE PENCIL BUR | |  | Pcs | 30 | | | |  |  | | |  | |
| 19 | GREEN RUBBER BUR (CONE SHAPE) | |  | Pcs | 50 | | | |  |  | | |  | |
| 20 | CLUTCH PENCIL 0.5MM | |  | Pcs | 12 | | | |  |  | | |  | |
| 21 | DIAMOND DISCS | |  | Pcs | 40 | | | |  |  | | |  | |
| 22 | SUCTION TIP 1 ½ MM (Metal) | |  | Pcs | 10 | | | |  |  | | |  | |
| 23 | SUCTION TIP 2 MM(Metal) | |  | Pcs | 10 | | | |  |  | | |  | |
| 24 | SUCTION TIP 3 MM(Metal) | |  | Pcs | 10 | | | |  |  | | |  | |
| 25 | SUCTION TIP 3 ½ MM(Metal) | |  | Pcs | 10 | | | |  |  | | |  | |
| 26 | SUCTION TIP CLEANING BRUSH | |  | Pcs | 20 | | | |  |  | | |  | |
| 27 | SUCTION TIP CLEANER | |  | Pcs | 20 | | | |  |  | | |  | |
| 28 | YANKAUER THROAT SUCTION TIP | |  | Pcs | 20 | | | |  |  | | |  | |
| 29 | FRAZIER SUCTION TIP | |  | Pcs | 20 | | | |  |  | | |  | |
| 30 |  | |  |  |  | | | |  |  | | |  | |
| 31 | MONOJECT ULTRA SHORT NEEDLE | |  | Box | 10 | | | |  |  | | |  | |
| 32 | SYRINGE DESTROYER | |  | Box | 10 | | | |  |  | | |  | |
| 33 | GAS STOVE | |  | No’s | 02 | | | |  |  | | |  | |
| 34 | BLOWER / AIR DRYER | |  | No’s | 01 | | | |  |  | | |  | |
| 35 | GYPSUM MODEL CUTTING SAW | |  | No’s | 04 | | | |  |  | | |  | |
| 36 | DISPOSABLE SYRINGES 1CC | |  | Box | 15 | | | |  |  | | |  | |
| 37 | DISPOSABLE SYRINGES 5CC | |  | Box | 30 | | | |  |  | | |  | |
| 38 | DISPOSABLE SYRINGES 10CC | |  | Box | 15 | | | |  |  | | |  | |
| 39 | MEPIVACAIN L/A CARTRIDGES | |  | Box | | 50 | | |  | |  | |  | |
| 40 | EMLA ANESTHETIC GEL | |  | Pkt | | 04 | | |  | |  | |  | |
| 41 | MINERAL TRIOXIDE AGGREGATE CEMENT | |  | Pkt | | 02 | | |  | |  | |  | |
| 42 | BONE SPONGE | |  | Pkt | | 50 | | |  | |  | |  | |
| 43 | OXIDIZE CELLULOSE HEMOSTAT | |  | Pkt | | 10 | | |  | |  | |  | |
| 44 | EPINEPHRINE 1:1000 INJ | |  | Box | | 01 | | |  | |  | |  | |
| 45 | NITROGLYCERIN SPRAY | |  | Bottle | | 02 | | |  | |  | |  | |
| 46 | ANTI-HISTAMINE INJ | |  | Box | | 01 | | |  | |  | |  | |
| 47 | BRONCHODILATOR INHALER | |  | Box | | 01 | | |  | |  | |  | |
| 48 | ASPIRIN | |  | Box | | 01 | | |  | |  | |  | |
| 49 | STEROID INJ | |  | Box | | 01 | | |  | |  | |  | |
| 50 | GLUCOSE | |  | Pkt | | 04 | | |  | |  | |  | |
| 51 | VOREN INJ | |  | Box | | 02 | | |  | |  | |  | |
| 52 | DIAZEPAM INJ | |  | Box | | 01 | | |  | |  | |  | |
| 53 | TRANSAMINE CAPSULES | |  | Pkt | | 04 | | |  | |  | |  | |
| 54 | TRANSAMINE INJ | |  | Box | | 01 | | |  | |  | |  | |
| 55 | ZINC OXIDE ADHESIVE PLASTER | |  | Pkt | | 10 | | |  | |  | |  | |
| 56 | SANIPLAST | |  | Box | | 04 | | |  | |  | |  | |
| 57 | TOURNIQUET | |  | Box | | 02 | | |  | |  | |  | |
| 58 | AMMONIA AMPOULES | |  | Box | | 02 | | |  | |  | |  | |
| 59 | CANOLA | |  | Each Box | | 04 | | |  | |  | |  | |
| 60 | DRIP SET | |  | Set | | 20 | | |  | |  | |  | |
| 61 | OROPHARYNGEAL AIRWAY |  | | Set | | | 04 |  | |  | |  | |
| 62 | OXYGEN CYLINDER WITH KEY |  | | Set | | | 01 |  | |  | |  | |
| 63 | SPHYGMOMANOMETER WITH STETHOSCOPE |  | | Set | | | 04 |  | |  | |  | |
| 64 | Q-TIPS |  | | Pkt | | | 08 |  | |  | |  | |
| 65 | DISPOSIBLE NEEDLE (25G) |  | | Box | | | 48 |  | |  | |  | |
| 66 | CORD PACKER |  | | Pcs | | | 24 |  | |  | |  | |
| 67 | PRISMA GLOSS COMPOSITE POLISHING |  | | Pkt | | | 12 |  | |  | |  | |
| 68 | T-BAND MATRIX BAND |  | | Pkt | | | 08 |  | |  | |  | |
| 69 | INTERNAL (NON VITAL) BLEACHING KIT |  | | Box | | | 08 |  | |  | |  | |
| 70 | FLUORIDE VARNISH |  | | Pkt | | | 05 |  | |  | |  | |
| 71 | HYPOCHLORITE (1 LARGE BLEACH) |  | | Bottle | | | 90 |  | |  | |  | |
| 72 | MTA PLUGER |  | | Pcs | | | 20 |  | |  | |  | |
| 73 | RETRACTORS FOR PERI-APICAL SURGERY (HER-1, ER-2, ER-1) |  | | Pcs | | | 20 |  | |  | |  | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 74 | MTA REMOVAL KIT | |  | | | | Kit | | | | 04 | | | |  | | |  | | | |  | | |
| 75 | GP PELLETS FOR THERMOPLASTIC OBTURATION (ENQ MASTER) | | |  | | Box | | | | | | 01 | | | |  | | |  | | | |  | | |
| 76 | TIPS FOR THERMOPLASTIC OBTURATION (ENQ MASTER) | | |  | | Box | | | | | | 01 | | | |  | | |  | | | |  | | |
| 77 | BIOACTIVE MINERAL ROOT CANAL SEALER | | |  | | Box | | | | | | 01 | | | |  | | |  | | | |  | | |
| 78 | ENDO ICE | | |  | | Bottle | | | | | | 04 | | | |  | | |  | | | |  | | |
| 79 | TOOTH SLOOTH | | |  | | Pkt | | | | | | 20 | | | |  | | |  | | | |  | | |
| 80 | GP STICKS | | |  | | Pkt | | | | | | 08 | | | |  | | |  | | | |  | | |
| 81 | LIGNOCAIN WITHOUT EPINEPHRINE | | |  | | Box | | | | | | 08 | | | |  | | |  | | | |  | | |
| 82 | ALCOHOL (ISOPROPYL ALCOHOL- 99%) | | |  | | Liter | | | | | | 08 | | | |  | | |  | | | |  | | |
| 83 | CROWN FORMERS | | |  | | Pkt | | | | | | 02 | | | |  | | |  | | | |  | | |
| 84 | SHARPS BIN | | |  | | Pcs | | | | | | 02 | | | |  | | |  | | | |  | | |
| 85 | DPX Solution | | |  | | Bottle | | | | | | 02 | | | |  | | |  | | | |  | | |
| 86 | Glass Slides | | |  | | Pkt | | | | | | 02 | | | |  | | |  | | | |  | | |
| 87 | Cover slips | | |  | | Pkt | | | | | | 02 | | | |  | | |  | | | |  | | |
| 88 | OPG Films (8x10) | | |  | | Cassettes | | | | | | 24 | | | |  | | |  | | | |  | | |
| 89 | Radiation Protection Glasses | | |  | | Pcs | | | | | | 02 | | | |  | | |  | | | |  | | |
| 90 | Haz Tablete | | |  | | Box | | | | | | 01 | | | |  | | |  | | | |  | | |
| 91 | Hand gloves | | |  | | Box | | | | | | 100 | | | |  | | |  | | | |  | | |
| 92 | MAESTRO BUCCAL TUBES (MBT & ROTH PRESCRIPTIONS FOR MAXILLA & MANDIBLE ) | | |  | | Roth  MBT | | | | | | 200  200 | | | |  | | |  | | | |  | | |
| 93 | ELITE Convertible Molar Buccal Tubes (MBT & Roth prescription for maxilla & mandible) | | |  | | Roth  MBT | | | | | | 50  50 | | | |  | | |  | | | |  | | |
| 94 | ELITE 2ND MOLAR BUCCAL TUBES  (MBT & ROTH PRESCRIPTION FOR MAXILLA & MANDIBLE) | | |  | | Pcs | | | | | | 400 | | | |  | | |  | | | |  | | |
| 95 | LINGUAL BUTTON (FLAT)  BONDED | | |  | | Pcs | | | | | | 50 | | | |  | | |  | | | |  | | |
| 96 | LINGUAL BUTTON (CURVED)  BONDED | | |  | | Pcs | | | | | | 50 | | | |  | | |  | | | |  | | |
| 97 | LINGUAL SHEATH | | |  | | Pcs | | | | | | 25 | | | |  | | |  | | | |  | | |
| 98 | SLIDING BRACKET TRAYS AND RACK | | |  | | Set | | | | | | 02 | | | |  | | |  | | | |  | | |
| 99 | BAND STORAGE CABINET | | |  | | Set | | | | | | 04 | | | |  | | |  | | | |  | | |
| 100 | SILVER CAROUSEL BRACKET TRAYS | | |  | | Set | | | | | | 02 | | | |  | | |  | | | |  | | |
| 101 | DIRECT BOND EYELETS WITH CHAIN (ERUPTION APPLIANCES) | | |  | | Pkt | | | | | | 02 | | | |  | | |  | | | |  | | |
| 102 | GOLD ERUPTION APPLIANCE | | |  | | Pkt  (1x10) | | | | | | 02 | | | |  | | |  | | | |  | | |
| 103 | OPTI-MIM DIRECT BOND BUTTON | | |  | | Pcs | | | | | | 25 | | | |  | | |  | | | |  | | |
| 104 | OPTI-MIM BITE GUIDES | | |  | | Pcs | | | | | | 40 | | | |  | | |  | | | |  | | |
| 105 | BONDABLE RETAINERS LOWER CUSPID-TO-CUSPID | | |  | | Pkt  (10 Pcs Upper)  (10 Pcs Lower) | | | | | | 02 | | | |  | | |  | | | |  | | |
| 106 | ADJUSTABLE CHEEK RETRACTORS | | |  | | Set  Small, Medium & Large | | | | | | 04 | | | |  | | |  | | | |  | | |
| 107 | LIP RETRACTORS | | |  | | Pcs | | | | | | 02 | | | |  | | |  | | | |  | | |
| 108 | TONGUE SHIELD | | |  | | Pkt  (10 Pcs Upper)  (10 Pcs Lower) | | | | | | 02 | | | |  | | |  | | | |  | | |
| 109 | CU NITANIUM ARCHWIRES | | |  | | Pkt  (10 Pcs Upper)  (10 Pcs Lower) | | | | | | 02 | | | |  | | |  | | | |  | | |
| 110 | STAINLESS STEEL COAXIAL ARCHWIRES | | |  | | Pkt  (10 Pcs Upper)  (10 Pcs Lower) | | | | | | 03 | | | |  | | |  | | | |  | | |
| 111 | CONNECTICUT INTRUSION ARCHWIRES (CIA) | | |  | | Pkt  (10 Pcs Upper)  (10 Pcs Lower) | | | | | | 02 | | | |  | | |  | | | |  | | |
| 112 | NITI WIRES | | |  | | .012 U& L  .014 U& L  .016 U& L  .018 U& L  .020 U& L  .016x0.16 U& L  .016x.022 U& L  .016x.025 Universal  .017x.025 U& L  .018x.025 U& L  .019x.025 U& L  (Pack of 10 Pcs U& L | | | | | | 05 Pkt Each | | | |  | | |  | | | |  | | |
| 113 | ADJUSTABLE UTILITY ARCHWIRES | | |  | | (10 Pcs Upper)  (10 Pcs Lower) | | | | | | 02 Pkt | | | |  | | |  | | | |  | | |
| 114 | MULTI-STRAND ARCHWIRES(CO-AXIAL) | | |  | | (10 Pcs Upper)  (10 Pcs Lower) | | | | | | 05Pkt Each | | | |  | | |  | | | |  | | |
| 115 | STAINLESS STEEL ARCHWIRES |  | | | .014 U& L  .016 U& L  .018 U& L  .020 U& L  .016x.016 U& L  .018x.018 U& L  .020x.020 U& L  .016x.022 U& L  .016x.025 U& L  .017x.025 U& L  .018x.025 U& L  .019X.025 U& L  .020x.025 U& L  (Pack of 10 Pcs Upper / Lower) | | | 04 Pkt Each | | | | | |  | | |  | | | |  | | |
| 116 | SPECIALTY ARCHWIRES |  | | | (10 Pcs Upper)  (10 Pcs Lower) | | | 02Pkt | | | | | |  | | |  | | | |  | | |
| 117 | ARCHWIRE RACKS |  | | | Racks | | | 05 | | | | | |  | | |  | | | |  | | |
| 118 | CRIMPABLE ARCHWIRE HOOKS |  | | | Pkt (1X20) | | | 02 | | | | | |  | | |  | | | |  | | |
| 119 | CRIMPABLE ARCHWIRE TUBES WITH HOOKS |  | | | Pkt (1X20) | | | 01 | | | | | |  | | |  | | | |  | | |
| 120 | SHORTY LIGATURE TWISTS |  | | | Pkt (1x400) | | | 02 | | | | | |  | | |  | | | |  | | |
| 121 | NITANIUM CLOSED COIL SPRINGS |  | | | Pkt (1x10) | | | 05 | | | | | |  | | |  | | | |  | | |
| 122 | NITANIUM OPEN COIL SPRING |  | | | 0.9mm  0.7mm | | | 02 Spool Each | | | | | |  | | |  | | | |  | | |
| 123 | PREFORMED BRASS SEPARATING WIRE |  | | | Pkt (1x200) | | | 10 | | | | | |  | | |  | | | |  | | |
| 124 | PRO FORM AND OVAL ARCH FORM GUIDE |  | | | Set | | | 04 | | | | | |  | | |  | | | |  | | |
| 125 | LIGATURE KIT |  | | | Box | | | 04 | | | | | |  | | |  | | | |  | | |
| 126 | MAXI-TIE .150 LIGATURES |  | | | Box | | | 02 | | | | | |  | | |  | | | |  | | |
| 127 | ELASTIC THREAD |  | | | Spool | | | 03 | | | | | |  | | |  | | | |  | | |
| 128 | TISSUE GUARD |  | | | Pkts | | | 02 | | | | | |  | | |  | | | |  | | |
| 129 | CHAIN ELASTIC |  | | | Spool  Short, Long  Continues | | | 03 Each | | | | | |  | | |  | | | |  | | |
| 130 | INTRAORAL ELASTICS |  | | | 04 Sizes  3/16, 5/16, 1/4, 1/8 | | | 100 Pkt Each | | | | | |  | | |  | | | |  | | |
| 131 | SINGLE SEPARATORS & SAFE-T-SEPARATORS |  | | | Pkt | | | 25 | | | | | |  | | |  | | | |  | | |
| 132 | TWIN FORCE BITE CORRECTOR |  | | | Kit (1x10 Pcs) | | | 01 | | | | | |  | | |  | | | |  | | |
| 133 | NITANIUM PALATAL EXPANDER |  | | | Small & large Pcs | | | 05 Each | | | | | |  | | |  | | | |  | | |
| 134 | TEMPORARY ORTHODONTIC ANCHORAGE SYSTEM |  | | | Implant With Kit | | | 30 | | | | | |  | | |  | | | |  | | |
| 135 | ANCOR PRO ANCHORAGE SYSTEM |  | | | 10 Implant with Kit | | | 01 | | | | | |  | | |  | | | |  | | |
| 136 | ENDURA® PLUS™ HOOK CRIMPING PLIERS |  | | | Pcs | | | 02 | | | | | |  | | |  | | | |  | | |
| 137 | EXTRAORAL FACEBOW |  | | | Pcs  (Large, Medium, Small) | | | 10 Each | | | | | |  | | |  | | | |  | | |
| 138 | SAFETY HIGH-PULL HEAD CAPS |  | | | Pcs  (Large, Medium, Small) | | | 10 Each | | | | | |  | | |  | | | |  | | |
| 139 | CHIN CUP |  | | | Pcs  (Large, Medium, Small) | | | 10 Each | | | | | |  | | |  | | | |  | | |
| 140 | EXTRAORAL ELASTICS |  | | | Pkt | | | | 20 Each | | | |  | | | |  | | | |  | | |
| 141 | GRAM GAUGE (25-250 GRAMS) |  | | | Pkt (Small, Large) | | | | 01 Each | | | |  | | | |  | | | |  | | |
| 142 | VERNIER CALIPER |  | | | Pcs (Small, Large) | | | | 02 | | | |  | | | |  | | | |  | | |
| 143 | COVERED PLIERS RACK |  | | | Racks | | | | 05 | | | |  | | | |  | | | |  | | |
| 144 | RHODIUM COATED INTRAORAL PHOTOGRAPHY MIRRORS |  | | | Set (1x4) | | | | 02 | | | |  | | | |  | | | |  | | |
| 145 | PHOTOGRAPHIC STAINLESS STEEL MIRRORS |  | | | Set (1x4) | | | | 02 | | | |  | | | |  | | | |  | | |
| 146 | CONTOURING KIT |  | | | Set | | | | 01 | | | |  | | | |  | | | |  | | |
| 147 | SEPARATING ABRASIVE STRIPS |  | | | Pkt | | | | 10 | | | |  | | | |  | | | |  | | |
| 148 | ARCH MEASUREMENT GUIDE |  | | | Set | | | | 02 | | | |  | | | |  | | | |  | | |
| 149 | PROTRACTOR AND TEMPLATE |  | | | Sets | | | | 03 | | | |  | | | |  | | | |  | | |
| 150 | PATIENT CARE KITS |  | | | Kit | | | | 20 | | | |  | | | |  | | | |  | | |
| 151 | RETAINER CASES |  | | | Cases | | | | 50 | | | |  | | | |  | | | |  | | |
| 152 | ULTRA-GUARD MOUTH GUARDS |  | | | Pkt (Different Size) | | | | 02 | | | |  | | | |  | | | |  | | |
| 153 | CURING POT (PATILA) |  | | | Pcs | | | | 02 | | | |  | | | |  | | | |  | | |
| 154 | GAS TORCH |  | | | No’s | | | | 02 | | | |  | | | |  | | | |  | | |
| 155 | LIGATURE WIRE |  | | | Size (0.10 mm)Pkts | | | | 05 | | | |  | | | |  | | | |  | | |
| 156 | O – RING PLANE |  | | | Box | | | | 15 | | | |  | | | |  | | | |  | | |
| 157 | O – RING COLOURED |  | | | Box | | | | 15 | | | |  | | | |  | | | |  | | |
| 158 | NIGHT GUARD SHEET FOR VACUUM FORMER |  | | | Pkt | | | | 20 | | | |  | | | |  | | | |  | | |
| 159 | LIQUID FOR OPAQUE |  | | | Bottle 50 ml | | | | 06 | | | |  | | | |  | | | |  | | |
| 160 | LIQUID FOR DENTIN |  | | | Bottle 250 ml | | | | 06 | | | |  | | | |  | | | |  | | |
| 161 | LIQUID FOR INVESTMENT CPD |  | | | Ltr | | | | 2 | | | |  | | | |  | | | |  | | |
| 162 | HYRAX EXPANDER SCREW |  | | | Small & large Pcs | | | | 20 Each | | | |  | | | |  | | | |  | | |
| 163 | ELASTO MERIC – SEPERTOR & REMOVABLE SEPERTOR |  | | | Pkt | | | | 10 Each | | | |  | | | |  | | | |  | | |
| 164 | REVERSE CURVE SPEE WIRE NITI |  | | | 0.018 Niti U& L  0.020 Niti U& L  16x16 Niti U& L  18x18 Niti U& L  16x22 Niti U& L  17x25 Niti U& L  19x25 Niti U& L  .Pkt | | | | 02 Each | | | |  | | | |  | | | |  | | |
| 165 | DENTAL MODELS and MOLDS |  | | | Set | | | | | 02 Each | | |  | | | |  | | |  | | | |
| 166 | Lathe pumice Brush. |  | | | Peice | | | | | 06 | | |  | | | |  | | |  | | | |
| 167 | Porcelain Buildup brush |  | | | piece | | | | | 05 | | |  | | | |  | | |  | | | |
| 168 | Porcelain Opaque Liquid. |  | | |  | | | | | 250 ml | | |  | | | |  | | |  | | | |
| 169 | Porcelain stain liquid. |  | | |  | | | | | 20 ml | | |  | | | |  | | |  | | | |
| 170 | Porcelain shade A 2(Paste Form) |  | | |  | | | | | 1 tube | | |  | | | |  | | |  | | | |
| 171 | Porcelain Shade A 3 (Paste Form) |  | | |  | | | | | 1 tube | | |  | | | |  | | |  | | | |
| 172 | Porcelain Shade A 3.5 (Paste Form) |  | | |  | | | | | 1 tube | | |  | | | |  | | |  | | | |
| 173 | Porcelain Shade B 2 (Paste Form) |  | | |  | | | | | 1 tube | | |  | | | |  | | |  | | | |
| 174 | Porcelain Shade C 2 (Paste Form) |  | | |  | | | | | 1 tube | | |  | | | |  | | |  | | | |
| 175 | Glaze tray. |  | | |  | | | | | 2 pieces | | |  | | | |  | | |  | | | |
| 176 | Translucent Powder T1. |  | | |  | | | | | 100 gm | | |  | | | |  | | |  | | | |
| 177 | Translucent Powder T2. |  | | |  | | | | | 100 gm | | |  | | | |  | | |  | | | |
| 178 | Translucent Powder T3. |  | | |  | | | | | 100 gm | | |  | | | |  | | |  | | | |
| 179 | Translucent Powder T4. |  | | |  | | | | | 100 gm | | |  | | | |  | | |  | | | |
| 180 | Dental Laboratory full face shield. |  | | |  | | | | | 3 set | | |  | | | |  | | |  | | | |
| 181 | Casting goggles. |  | | |  | | | | | 2 pieces | | |  | | | |  | | |  | | | |
| 182 | Safety gloves |  | | |  | | | | | 2 pieces | | |  | | | |  | | |  | | | |

Package 02

Dental Equipment

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| S/N | Description | Country of Origin | Packing | Qty | Unit Price | Total | Remarks  (If Any) |
| 1 | Motor for Air Compressor | 3 HP USA / Europe / UK |  | 04 |  |  |  |
| 2 | PCB Board for physio dispenser implant med | Implant Maid W&H Austria |  | 01 |  |  |  |
| 3 | Suction Motor | 3HP Korean |  | 02 |  |  |  |
| 4 | PCB for Dental Units | Model Down Plus |  | 25 Pcs |  |  |  |
| 5 | Key pad for Dental Units | Model Down Plus |  | 30 Pcs |  |  |  |
| 6 | Keypad for X Ray | Villa Endos /ACP Italy |  | 02 |  |  |  |
| 7 | Foot Control with tubing for Dental Units | Korean / China |  | 25 each |  |  |  |
| 8 | Tubing High Volume | Korean |  | 100 Pcs |  |  |  |
| 9 | Tubing low Volume | Korean |  | 100 Pcs |  |  |  |
| 10 | Tubing 6x4 mm | USA / Korean |  | 04 Rolls |  |  |  |
| 11 | Tubing 4x2 mm | USA / Korean |  | 04 Rolls |  |  |  |
| 12 | High volume Suction | Suction Hand Piece Korean & China |  | 100 Pcs |  |  |  |
| 13 | Low volume Suction | Suction Hand Piece Korean & China |  | 100 Pcs |  |  |  |
| 14 | Complete Panel for Air Compressor | Local |  | 03 |  |  |  |
| 15 | Safety Valve | 12 bar to 15 bar Japans & Korean |  | 04 Pcs |  |  |  |
| 16 | Automatic Switch | 12 bar to 15 bar Japans & Korean |  | 04 Pcs |  |  |  |
| 17 | Air Regulator with filter | 12 bar to 15 bar Japans & Korean |  | 05Pcs |  |  |  |
| 18 | LCD | 22 MB Lisa W&H Austria |  | 01 Pcs |  |  |  |
| 19 | Transformer | 12 + 0+ 12 Vac 4 Ampere |  | 50 Pcs |  |  |  |
| 20 | Transformer | 24 Volt 3 Ampere |  | 50 Pcs |  |  |  |
| 21 | Gas Pipe flexible ½ Inch | Dental Unit & Compressor |  | 2 Rolls |  |  |  |
| 22 | Assembly for pressure bottle | Dental Units |  | 55 Pcs |  |  |  |
| 23 | Hose pipe for cylinder to block | Dental Units |  | 04 Pcs |  |  |  |
| 24 | Cylinder (back forward & Up down) | Dental Units |  | 02 each |  |  |  |
| 25 | Drain coupling for bowl flash | Dental Units |  | 10 Pcs |  |  |  |
| 26 | Releasing solenoid | Air compressor |  | 06 Pcs |  |  |  |
| 27 | S.S tray | Dental Units |  | 60 Pcs |  |  |  |
| 28 | Flexible wire (6 core) | Dental units |  | 03 Rolls |  |  |  |
| 29 | Flexible wire (23/76) | Dental Units |  | 02 Rolls |  |  |  |
| 30 | Vacuum pump kit | Auto clave |  | 02 Pcs |  |  |  |
| 31 | Pressure Water System with Air Regulator china | Dental Units |  | 16 Pcs |  |  |  |
| 32 | Three Way Syringes | Dental Units |  | 25 Pcs |  |  |  |
| 33 | Hand Piece Coupling with Connectors | Dental Units |  | 50 Pcs |  |  |  |
| 34 | Needle Valve for( china) Water | Phantom Head |  | 06 Pcs |  |  |  |
| 35 | Transformer for Light) (copper winding) | Phantom Head |  | 04 Pcs |  |  |  |
| 36 | Power Board | Intra Oral X-Rays Machine |  | 02 Pcs |  |  |  |
| 37 | Tube head. | Intra Oral X-Rays Machine |  | 02 Pcs |  |  |  |
| 38 | Tube Head connector Male or Female. | Intra Oral X-Rays Machine |  | 04 Pcs |  |  |  |
| 39 | Casters with & without lock. | Intra Oral X-Rays Machine |  | 02 Set |  |  |  |
| 40 | Exposure switch. | Intra Oral X-Rays Machine |  | 02 Pcs |  |  |  |
| 41 | Flexible arm. | Intra Oral X-Rays Machine |  | 01 Pcs |  |  |  |
| 42 | Scalar Hand Piece with Cord | Dental Scalar |  | 04 Pcs |  |  |  |
| 43 | Magnetic contactor. | Dental Compressor |  | 04 Pcs |  |  |  |
| 44 | Overload relay. | Dental Compressor |  | 04 Pcs |  |  |  |
| 45 | Timer Rotary Switch. | Dental Compressor |  | 04 Pcs |  |  |  |
| 46 | Relay with socket. | Dental Compressor |  | 04 Pcs |  |  |  |
| 47 | Non return Valve | Dental Compressor |  | 05 Pcs |  |  |  |
| 48 | Base with caster | Stool Assistant |  | 10 Pcs |  |  |  |
| 49 | Hydraulic Pump. | Dental Units |  | 02 Pcs |  |  |  |
| 50 | Capacitor | Dental Units |  | 20 Pcs |  |  |  |
| 51 | Pulsar box. | Dental Units |  | 02 Pcs |  |  |  |
| 52 | Limiting Connecting rod. | Dental Units |  | 05 Pcs |  |  |  |
| 53 | Limit Switch. | Dental Units |  | 120 Pcs |  |  |  |
| 54 | Head rest mechanism. | Dental Units |  | 15 Pcs |  |  |  |
| 55 | Arm rest with pivot. | Dental Units |  | 30 Pcs |  |  |  |
| 56 | Bowl strainer. | Dental Units |  | 40 Pcs |  |  |  |
| 57 | Cup Filler tap. | Dental Units |  | 04 Pcs |  |  |  |
| 58 | Bowl flash tap. | Dental Units |  | 04 Pcs |  |  |  |
| 59 | Solenoid 24 VAC. | Dental Units |  | 10 Pcs |  |  |  |
| 60 | Water manifold. | Dental Units |  | 20 Pcs |  |  |  |
| 61 | Needle Bulb for bowl flash. | Dental Units |  | 48 Pcs |  |  |  |
| 62 | Push type switch for cup filler. | Dental Units |  | 50 Pcs |  |  |  |
| 63 | Suction bar with rod. Lock out manual. | Dental Units |  | 30 Pcs |  |  |  |
| 64 | Pressure bottle. | Dental Units |  | 20 Pcs |  |  |  |
| 65 | Try block. | Dental Units |  | 20 Pcs |  |  |  |
| 66 | X-Ray Viewer. | Dental Units |  | 20 Pcs |  |  |  |
| 67 | Water manifold (for Doctor trey) | Dental Units |  | 06 Pcs |  |  |  |
| 68 | Air manifold (for Doctor trey) . | Dental Units |  | 06 Pcs |  |  |  |
| 69 | Reflector for light. | Dental Units |  | 20 Pcs |  |  |  |
| 70 | Dental light head. | Dental Units |  | 20 Pcs |  |  |  |
| 71 | On / off switch for dental light. | Dental Units |  | 04 Dozen |  |  |  |
| 72 | Fix arm for dental light. | Dental Units |  | 04 Dozen |  |  |  |
| 73 | Flexible arm for dental light. | Dental Units |  | 06 Pcs |  |  |  |
| 74 | Three core wire 23/76 one coil. | Dental Units |  | 03 Rolls |  |  |  |
| 75 | 3 phase circuit breaker | Suction Machine |  | 05 Pcs |  |  |  |
| 76 | Over load relay. | Suction Machine |  | 05 Pcs |  |  |  |
| 77 | Power switch | Suction Machine |  | 05 Pcs |  |  |  |
| 78 | Relay | Suction Machine |  | 05 Pcs |  |  |  |
| 79 | Timer | Suction Machine |  | 05 Pcs |  |  |  |
| 80 | Transformer | Suction Machine |  | 05 Pcs |  |  |  |
| 81 | Rotary Switch. | Suction Machine |  | 05 Pcs |  |  |  |
| 82 | Phase Selector. | Suction Machine |  | 02 Pcs |  |  |  |
| 83 | Transformer. | Micro motor |  | 06 Pcs |  |  |  |
| 84 | Hand piece with cord. | Micro motor |  | 06 Pcs |  |  |  |
| 85 | Dental Light Complete | Dental Unit |  | 10 Pcs |  |  |  |
| 86 | Chock for work Station 220 Volt 24 V DC | Dental Units |  | 15 Pcs |  |  |  |
| 87 | Tub lights 36 Watt for work station |  |  | 15 Pcs |  |  |  |
| 88 | Dental light complete | Dental unit |  | 20 Pcs |  |  |  |
| 89 | Solenoid valve 24v | Dental unit |  | 25 Pcs |  |  |  |
| 90 | Mechanism for head rest | Dental unit |  | 10 Pcs |  |  |  |
| 91 | Steam Generator | Auto clave Lisa |  | 03 Pcs |  |  |  |
| 92 | Bacterial Filter | Auto clave Lisa |  | 04 Pcs |  |  |  |
| 93 | Lock out (manual) | Dental unit |  | 50 Pcs |  |  |  |
| 94 | T 6x4 mm | Dental Unit |  | 100 Pcs |  |  |  |
| 95 | T 4x2 mm | Dental Unit |  | 100 Pcs |  |  |  |
| 96 | Straight Joint 6x4 mm | Dental Unit |  | 200 Pcs |  |  |  |
| 97 | Straight Joint 4x2 mm | Dental Unit |  | 200 Pcs |  |  |  |
| 98 | Nozle Gas Pipe 1/4x2 | Dental Unit |  | 50 Pcs |  |  |  |
| 99 | Jublie Clips for Gas pipe | Dental Unit |  | 2 Box |  |  |  |
| 100 | Head Rest Complete | Dental Unit |  | 12 Pcs |  |  |  |
| 101 | Hand Piece Coupling Connector | Dental Unit |  | 60 Pcs |  |  |  |
| 102 | 3 Way Syringe | Work Station |  | 24 Pcs |  |  |  |
| 103 | Tubing for 3 way | Work station |  | 120 ft |  |  |  |
| 104 | Drain cavity | Phantom Lab |  | 10 Pcs |  |  |  |
| 105 | Jaws with Removal teeth | Phantom Lab |  | 10 set |  |  |  |
| 106 | Pull Back valve | Phantom Lab |  | 20 Pcs |  |  |  |
| 107 | Tool Kit Complete | Bio medical |  | 1 Kit |  |  |  |
| 108 | Electric blower | Bio medical |  | 1 Kit |  |  |  |
| 109 | Drill machine with complete set | Bio medical |  | 1 kit |  |  |  |
| 110 | Socket spanner kit mm | Bio medical |  | 1 kit |  |  |  |

Package 03

MAJOR EQUIPMENT

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| S/N | Description | Country of Origin | Packing | Quantity | Unit Price | Total | Remarks  (If Any) |
| 1 | Air Compressor |  |  | 02 |  |  |  |
| 2 | Ultrasonic Scalar |  |  | 02 |  |  |  |
| 3 | PULSE OXYMETER WITH MONITOR MOBILE TYPE |  |  | 01 |  |  |  |
| 4 | Intra Oral Camera with LCD and VGA Arm |  |  | 02 |  |  |  |
| 5 | Electro Surgery/ Coagulation Equipment Portable |  |  | 01 |  |  |  |
| 6 | High Speed Air Turbine Hand Piece |  |  | 06 |  |  |  |
| 7 | Air Motor with slow speed straight and contra angle hand piece |  |  | 01 SET COMPLETE |  |  |  |
| 8 | Micro Motor (Bench Top Type) with Slow Speed Straight and Contra Angle Hand Piece |  |  | 01 SET COMPLETE |  |  |  |
| 9 | Endodontics Rotary System with accessories and consumables (Latest Model |  |  | 01 |  |  |  |
| 10 | Apex Locator with accessories (Latest) |  |  | 01 |  |  |  |
| 11 | X-Ray Viewer |  |  | 02 |  |  |  |
| 12 | Composite Light Curing Machine (Cordless) Rechargeable |  |  | 01 |  |  |  |
| 13 | Auto Clave along with printer |  |  | 02 |  |  |  |
| 14 | Water Distiller |  |  | 01 |  |  |  |
| 15 | Glucometer |  |  | 02 |  |  |  |

**TECHNICAL SPECIFICATION**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **PACKAGE O1**  **DENTAL MATERIAL LIST WITH SPECIFICATION** | | | | | |
|  | | | | **BIDDER COMPLIANCE** | |
| S/N | **EQUIPMENT NAME** | **SPECIFICATION** | **CONTENT** | **YES / NO** | **IF “NO” INDICATE YOUR OFFER** |
| 1 | **IVORY RETAINER** | MATRIX TOFFLE MIRE IVORY  HIGH END FINISH MADE OF STAINLESS STEEL | (UK, USA, JAPAN OR EQUIVALENT ) |  |  |
| 2 | **AUTO-MATRIX** | • ( TYPE- HEIGHT & GAUGE)  - MEDIUM THIN- 1/4”X 0.0015)  - NARROW REGULAR- 3/16”X 0.002)  - MEDIUM REGULAR- 1/4”X 0.002)  - WIDE REGULAR- 5/16”X 0.002) | • 1 TIGHTENING DEVICE,  • 1 SNIPPERS,  • 20 MEDIUM REGULAR BANDS,  • 30 MEDIUM THIN BANDS,  • 10 WIDE REGULAR BANDS,  • 20 NARROW REGULAR BANDS  (UK, USA, JAPAN OR EQUIVALENT ) |  |  |
| 3 | **SECTIONAL MATRIX** | • SECTIONAL MATRICES- IN 5 SIZES: 3.5MM, 4.5MM, 5.5MM, 6.5MM AND 7.5MM.  • RETAINING RINGS- NARROW (DARK BLUE); UNIVERSAL (LIGHT BLUE) SIZES  • WEDGES AND WEDGE GUARDS- SMALL (DARK BLUE); MEDIUM (MEDIUM BLUE); LARGE (LIGHT BLUE) SIZES. | • 100 MATRICES - 25 EACH SIZE: 3.5MM, 4.5MM, 5.5MM, 6.5MM  • 75 WEDGES – 25 EACH SIZE: SMALL, MEDIUM, LARGE  • 30 WEDGE GUARDS – 10 EACH SIZE: SMALL, MEDIUM, LARGE  • 1 UNIVERSAL RING;  • 1 NARROW RING;  • 1 FORCEPS;  • 1 PIN TWEEZERS  (UK, USA, JAPAN OR EQUIVALENT ) |  |  |
| 4 | **SEPARATED INSTRUMENT REMOVAL KIT** |  | • MICROTUBES (19 GUAGE, 21 GUAGE, 24 GUAGE)  • SCREW WEDGE  (UK, USA, JAPAN OR EQUIVALENT ) |  |  |
| 5 | **NEONATAL FLEXIBLE IMPRESSION TRAYS** |  | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 6 | **HEAT CURE POWDER** |  | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 7 | **HEAT CURE LIQUID** |  | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 8 | **SELF CURE POWDER** |  | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 9 | **SELF CURE LIQUID** |  | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 10 | **INVESTMENT MATERIAL** | • FOR CAST PARTIAL DENTURE ( HIGH FUSING BASE METAL CASTING ALLOY ) AND CROWN / BRIDGE (PHOSPHATE BONDED INVESTMENT MATERIAL; CO – CR, SSALLOY CASTING) | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 11 | **SCRAPERS 6"** | 6 INCHES |  |  |  |
| 12 | **SOFT BASE MATERIAL** | FOR DENTURE BASE |  |  |  |
| 13 | **SOFT BASE FINISHING KIT** |  |  |  |  |
| 14 | **AGAR AGAR** | CAST PARTIAL DENTAL |  |  |  |
| 15 | **PREFABRICATED WAX** | CAST PARTIAL DENTAL |  |  |  |
| 16 | **DUPLICATING FLASK** | TWO WEDGES IN FLASK COVER FOR PREVENTING ROTATION, WEDGE TOP BASE, 2 BASE FORMERS (ATLEAST 2 SIZES) TWO WEDGES IN FLASK COVER FOR PREVENTING ROTATION, WEDGE TOP BASE, 2 BASE FORMERS (ATLEAST 2 SIZES) | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 17 | **LASER THIN DISCS** |  | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 18 | **GREEN STONE PENCIL BUR** |  | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 19 | **GREEN RUBBER BUR (CONE SHAPE)** |  | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 20 | **CLUTCH PENCIL 0.5MM** | 0.5MM TIP DIAMETER | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 21 | **DIAMOND DISCS** |  | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 22 | **SUCTION TIP 1 ½ MM** | 1.5 MM TIP WITH 15 CM | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 23 | **SUCTION TIP 2 MM** | 2 MM THICK WITH 15 CM LENGTH | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 24 | **SUCTION TIP 3 MM** | 3MM WIDTH TIP WITH 15CM LENGTH | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 25 | **SUCTION TIP 3 ½ MM** | LONG CURVE, 3.5MM, BULBOUS TIP, | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 26 | **SUCTION TIP CLEANING BRUSH** | 5 INCH BRISTLES 6 INCH OVERALL LENGTH | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 27 | **SUCTION TIP CLEANER** | CLEANING TYLET 11 INCH | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 28 | **YANKAUER THROAT SUCTION TIP** | BULB TIP WITHOUT CONTROL VENT | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 29 | **FRAZIER SUCTION TIP** | ANGLED WITH FINGER VALVED | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 30 | **DENTAL IMPLANTS** | UNIVERSAL IMPLANT | (EUROPE, USA, JAPAN OR EQUIVALENT ) |  |  |
| 31 | **MONOJECT ULTRA SHORT NEEDLE** | HYPODERMIC,1-1/4 INCHDISPOSIBLE | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 32 | **SYRINGE DESTROYER** | PLASTIC CONTAINER WITH BLADE AT TOP | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 33 | **GAS STOVE** | SINGLE BURNER | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 34 | **BLOWER / AIR DRYER** |  | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 35 | **GYPSUM MODEL CUTTING SAW** | TUNGSTEN CARBIDE TEETH, 17 CM,46X85X42 | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 36 | **DISPOSABLE SYRINGES 1CC** | SINGLE USE, NON TOXIC, PYROGEN | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 37 | **DISPOSABLE SYRINGES 5CC** | SINGLE USE, NON TOXIC, PYROGEN | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 38 | **DISPOSABLE SYRINGES 10CC** | SINGLE USE, NON TOXIC, PYROGEN | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 39 | **MEPIVACAIN L/A CARTRIDGES** | STANDARD 3% DENTAL CARTRIDGES | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 40 | **EMLA ANESTHETIC GEL** | 5% STANDARD PREPERATION | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 41 | **MINERAL TRIOXIDE AGGREGATE CEMENT** | PORTLAND LIMESTONE CEMENT | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 42 | **BONE SPONGE** | STANDARD ABSORBABLE GELATIN HAEMOSTATIC SPONGE | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 43 | **OXIDIZE CELLULOSE HEMOSTAT** | 10X20 CM ABSORBABLE GELATIN HEMOSTAT SPONGE | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 44 | **EPINEPHRINE 1:1000 INJ** | STANDARD 0.4 MG SPRAY | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 45 | **NITROGLYCERIN SPRAY** | STANDARD EPINEPHRINE AMPOULE FOR EMERGENCY KIT | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 46 | **ANTI-HISTAMINE INJ** | STANDARD 2 ML AMPOULES | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 47 | **BRONCHODILATOR INHALER** | STANDARD 100 MG SALBUTAMOL INHALER | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 48 | **ASPIRIN** | STANDARD 75 MG ACETYL SALICYLIC ACID TABLETS | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 49 | **STEROID INJ** | HYDROCORTISONE 100 MG AND 250 MG INJECTIONS | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 50 | **GLUCOSE** | STANDARD INSTANT GLUCOSE PREPARATION | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 51 | **VOREN INJ** | DYCLOFENIC SODIUM 75 MG INJECT | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 52 | **DIAZEPAM INJ** | STANDARD 5/10 ML INJECTIONS | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 53 | **TRANSAMINE CAPSULES** | STANDARD TRANSEMIC ACID 250 MG CAPSULE | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |

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| 54 | **TRANSAMINE INJ** | STANDARD 250 AND 500 MG AMPOULE | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 55 | **ZINC OXIDE ADHESIVE PLASTER** | STANDARD MEDICAL ADHESIVE TAPE | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 56 | **SANIPLAST** | STANDARD SANTISEPTIC BANDAGE | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 57 | **TOURNIQUET** | STANDARD 3.5 X 8 INCHES | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 58 | **AMMONIA AMPOULES** | STANDARD CRUSHABLE AMMONIA AMPOULES | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 59 | **CANOLA** | 16, 18, 20 AND 22 GAUGE STANDARD DISPOSABLE CANOLA | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 60 | **DRIP SET** | STANDARD STERILE DISPOSABLE NON PYROGENIC AND NON TOXIC DRIP SET | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 61 | **OROPHARYNGEAL AIRWAY** | GEUDAL AIRWAY 80 MM LENGTH FOR EMERGENCY USE | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 62 | **OXYGEN CYLINDER WITH KEY** | 4.3 X 16.5 INCHES CYLINDER WITH KEY AND OXYGEN SUPPLY METER | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 63 | **SPHYGMOMANOMETER WITH STETHOSCOPE** | STANDARD GOOD QUALITY MOBILE UNIT WITH EXCELLENT CARDIAC STETHOSCOPE | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 64 | **Q-TIPS** | 6 INCH WOOD HANDLE; COTTON TIPPED | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 65 | **DISPOSIBLE NEEDLE (25G)** | LENGTHS- 21MM; 32MM. | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 66 | **CORD PACKER** | DOUBLE ENDED, SERRATED TIPS DOUBLE ENDED, SMOOTH, ROUND TIPS | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 67 | **PRISMA GLOSS COMPOSITE POLISHING** | WATER SOLUBLE WHITE ALUMINUM OXIDE POLISHING PASTE; 4GM SYRINGE | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 68 | **T-BAND MATRIX BAND** | STAINLESS STEEL (0.002” THICK), STRAIGHT OR CURVED NARROW OR WIDE [ASSORTED] | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 69 | **INTERNAL (NON VITAL) BLEACHING KIT** | 100% CARBAMIDE PEROXIDE; 5GM BOTTLE OF POWDER, 5ML OF GLYCEROL | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 70 | **FLUORIDE VARNISH** | 5% SODIUM FLUORIDE | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 71 | **HYPOCHLORITE (1 LARGE BLEACH)** | 5% CONCENTRATION; 500ML LIQUID BOTTLE | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 72 | **MTA PLUGER** | DOUBLE ENDED-  NITI- 1.0MM & 0.3 MM  STAINLESS STEEL- 0.8MM & 0.5 MM STAINLESS STEEL- 1.0 MM & 0.15MM | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 73 | **RETRACTORS FOR PERI-APICAL SURGERY (HER-1, ER-2, ER-1)** | SPECIALIZED HANDLE, HARD CARBON SURGICAL GRADE STAINLESS STEEL | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 74 | **MTA REMOVAL KIT** | 0.5MM RIGID BALL TIP; 0.3MM BENDABLE TIP; 0.25MM CONTROLLED MEMORY TIP | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 75 | **GP PELLETS FOR THERMOPLASTIC OBTURATION (ENQ MASTER)** | GUTTA PERCHA- MEDIUM FLOW (C X 100U) | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 76 | **TIPS FOR THERMOPLASTIC OBTURATION (ENQ MASTER)** | 20 GAUGE, PACK OF 6 | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 77 | **BIOACTIVE MINERAL ROOT CANAL SEALER** | POWDER- TRICALCIUM SILICATE AND ZIRCONIUM OXIDE. LIQUID- CALCIUM CHLORIDE.1 BOTTLE- 15G POWDER; 35 LIQUID, SINGLE DOSE CONTAINERS; 1 SPOON. | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 78 | **ENDO ICE** | 5.9 OZ SPRAY CAN. 1,1,1,2 TETRAFLOUROETHANE | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 79 | **TOOTH SLOOTH** | WHITE PLASTIC STICKS; 4/PACK | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 80 | **GP STICKS** | STICKS OF ABOUT ~ Ø 4 MM, LENGTH 100 MM MELTING POINT ~ 45°C COLOURS: WHITE, PINK, IVORY OR ASSORTED COMPOSITION: GUTTA-PERCHA 11.3 %, CALCIUM CARBONATE 9.6 %, ZINC OXIDE 59.7 % | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 81 | **LIGNOCAIN WITHOUT EPINEPHRINE** | 2% LIDOCAINE; 1.8ML CARTRIDGES | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 82 | **ALCOHOL** | ISOPROPYL ALCOHOL- 99% ALCOHOL | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 83 | **CROWN FORMERS** | PREFABRICATED, TRANSPARENT MATRIX FOR RESTORING INCISORS, CANINES, PREMOLARS AND MOLARS | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 84 | **SHARPS BIN** |  |  |  |  |
| 85 | **DPX Solution** | Slide mounting medium distyrene, plasticizer dissolved in toluene - zylene USA UK GERMANY equivalent | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 86 | **Glass Slides** | Thickness 1mm, Length 75mm, width 25mm edges ground, frost marking area, beveled edges  (USA UK GERMANY equivalent) | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 87 | **Cover slips** | Noncorrosive glass, Rectangular up to 40X28mm  USA UK GERMANY equivalent | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 88 | **OPG Films (8x10)** | DRYVIEW Laser Imaging Film  20x25cm  8x10 Inch  125 Sheet  USA UK GERMANY Japan | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |

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| 89 | **Radiation Protection Glasses** | Lead Equivalent medium Plastic frame glass PB 0.50mm or 0.50mm weight approximately 70gms, width of frame upto 40mm, Lns height / width >36mm to 54mm, tample height 130mm  USA UK GERMANY equivalent | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 90 | **Haz Tablete** | 0.5g Mini Haz-Tab tablets in tubs of 500 tablets. | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 91 | **Hand gloves** | Nitrile, Ambidextrous with beaded cuf ,Standard,aqua blue , Non-sterile, single use. | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 92 | **MAESTRO BUCCAL TUBES (MBT & ROTH PRESCRIPTIONS FOR MAXILLA & MANDIBLE )** | COLOR-CODED  DEFINED BUCCAL INDENT  80 GAUGE MESH  OFFSET  WELD ABLE | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 93 | **ELITE Convertible Molar Buccal Tubes (MBT & Roth prescription for maxilla & mandible)** | METAL INJECTION MOLDING (MIM) PROCESS TRANSLATES INTO CORROSION RESISTANCE, STRENGTH, AND PROVEN PERFORMANCE  80 GAUGE MESH (MICRO-ETCHED) BONDABLE PAD TO MAXIMIZE BOND ADHESION | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 94 | **ELITE 2ND MOLAR BUCCAL TUBES**  **(MBT & ROTH PRESCRIPTION FOR MAXILLA & MANDIBLE)** | NO TIE-WINGS AND SMOOTH SURFACE ALLOW FOR REDUCED INTERFERENCE AND INCREASED PATIENT COMFORT  80-GAUGE MESH (MICRO-ETCHED) BONDABLE PAD TO MAXIMIZE BOND ADHESION | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 95 | **LINGUAL BUTTON (FLAT)**  **BONDED** | THIS LINGUAL ATTACHMENT MAY BE WELDED TO CREATE YOUR PREFERRED BAND ASSEMBLY. | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 96 | **LINGUAL BUTTON (CURVED)**  **BONDED** | THIS LINGUAL ATTACHMENT MAY BE WELDED TO CREATE YOUR PREFERRED BAND ASSEMBLY. | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 97 | **LINGUAL SHEATH** | .036" X .072" SLOTTED, HORIZONTAL, LATCHING INDENT, FITS LEFT OR RIGHT. AVAILABLE IN 10/PK  THIS LINGUAL ATTACHMENT MAY BE WELDED TO CREATE YOUR PREFERRED BAND ASSEMBLY. | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |

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| 98 | **SLIDING BRACKET TRAYS AND RACK** | CALL FOR PRE-LOADED TRAY PRICING .INDIVIDUAL SLIDING BRACKET TRAYS ARE 5/16" TALL X 5" WIDE X 2 5/8" DEEP.  EMPTY (10/PK)  SLIDING BRACKET TRAY RACK (10/PK) | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 99 | **BAND STORAGE CABINET** | HOLDS BAND TRAY INSERTS, WHICH CAN BE EASILY REMOVED FOR CHAIR SIDE USE. NOTE: TRAYS NOT INCLUDED. TRAYS CAN BE PURCHASED SEPARATELY.111/2" X 71/4" X 71/2" | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 100 | **SILVER CAROUSEL BRACKET TRAYS** | SILVER WITH CLEAR COVER .HOLDS EITHER 10 OR 50 CASES. TWIST DIAL DESIGN REDUCES HANDLING AND CONTAMINATION OF BRACKETS, WHICH REMAIN SECURE AND EASY TO IDENTIFY AND ACCESS.  HOLDS 10 CASES (7" X 3/8")  HOLDS 50 CASES (6 1/4" X 5/8") | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 101 | **DIRECT BOND EYELETS WITH CHAIN (ERUPTION APPLIANCES)** | OUR DIRECT BOND EYELETS HAVE 1" CHAINS THAT MAY BE USED FULL LENGTH, OR TRIMMED AS NEEDED. THEY ARE BIOCOMPATIBLE AND LARGE ENOUGH TO THREAD POWER ELASTICS THROUGH TO PROVIDE TRACTION IN THE DESIRED DIRECTION TO EXPOSE IMPACTED TEETH. | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 102 | **GOLD ERUPTION APPLIANCE** | 24K GOLD PLATED FOR MAXIMUM BIOCOMPATIBILITY  3.75 MM X 3 MM CURVED BASE  MICRO-ETCHED MESH BASE  ONE-PIECE CONSTRUCTION | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 103 | **OPTI-MIM DIRECT BOND BUTTON** | MADE OF NICKEL-LITE MATERIAL THEY ARE SINGLE UNIT METAL INJECTION MOLDED AND TAILORED TO CONFORM TO TOOTH SURFACE. FEATURES GRIP-LOK BASE. | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 104 | OPTI-MIM BITE GUIDES | ONE-PIECE UNIT WHICH BONDS DIRECTLY TO LINGUAL SIDE OF THE UPPER CENTRALS TO EFFICIENTLY OPEN A DEEP BITE AND/OR ADVANCE THE MANDIBLE. SIMPLY REVERSE UNIT WITH RESPECT TO THE ID MARK FOR APPROPRIATE USE.  STAINLESS STEEL | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 105 | **BONDABLE RETAINERS LOWER CUSPID-TO-CUSPID** | MADE FROM HEAT TREATABLE .032 WIRE AND 80-GAUGE FOIL MESH PADS FOR SUPERIOR BOND STRENGTH.MAY BE FITTED TO STUDY MODEL OR IN SOME CASES DIRECTLY TO PATIENT. | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 106 | **ADJUSTABLE CHEEK RETRACTORS** | UNIQUE BOW DESIGN ALLOWS ADJUSTMENT TO ENSURE COMFORTABLE FIT.CAN WITHSTAND TEMPERATURES UP TO 400°F.FULLY STERILIZABLE. | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 107 | **LIP RETRACTORS** | TRANSPARENT PLASTIC LIP RETRACTORS HAVE LONG HANDLES SO THEY CAN BE HELD EASILY. EXCELLENT FOR PHOTOGRAPHY. ROUNDED EDGES. CAN BE COLD STERILIZED.(2 PER PACK)  STANDARD LIP RETRACTORS  MINI LIP RETRACTORS | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 108 | **TONGUE SHIELD** | TONGUE FROM TOUCHING THE LINGUAL SURFACE OF THE ANTERIOR TEETH.CENTER HOLE ALLOWS FOR INSERTION OF SALIVA EJECTOR.EXCELLENT DURING BONDING PROCEDURES.CAN BE COLD STERILIZED.(PINK, 3 PER PACK)   * ADULT/TEEN * CHILD/PEDO | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 109 | **CU NITANIUM ARCHWIRES**   |  | | --- | |  | | CU NITANIUM ARCH WIRES ARE TRULY COMPARABLE TO ORMCO®’S COPPER NI-TI ™ ARCH WIRES\* AND REFINED USING THE MOST ADVANCED  TECHNOLOGY FOR GREATER TREATMENT PREDICTABILITY AND CONTROL. | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 110 | STAINLESS STEEL COAXIAL ARCHWIRES | THIS ARCH WIRE CONSISTS OF FIVE EQUAL-SIZE WIRES WRAPPED AROUND A SINGLE, SAME-SIZE CORE WIRE. THIS WIRE PROVIDES:  GOOD RESILIENCE, ALLOWING BENDS TO A GREATER DEGREE THAN ORDINARY TWIST ARCH WIRE | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 111 | CONNECTICUT INTRUSION ARCHWIRES (CIA) | USE THE LONG (UPPER/LOWER) ARCH WIRES FOR NON-EXTRACTION AND/OR LONG ARCHES  USE THE SHORT (UPPER/LOWER) ARCH WIRE FOR EXTRACTION AND/OR SHORTER ARCHES | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 112 | REVERSE CURVE OF SPEE (R.C.S.) ARCHWIRES | * .014 UPER & LOWER * .016 UPER & LOWER * .018 UPER & LOWER * .020 UPER & LOWER * .016 X .016 UPER & LOWER * .016 X .022 UPER & LOWER * .016 X .025 UNIVERSAL * .017 X .025 UPER & LOWER * .018 X .025 UPER & LOWER * .019 X .025 UPER & LOWER | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 113 | ADJUSTABLE UTILITY ARCHWIRES | AN ADJUSTABLE PREFORMED UTILITY ARCH WIRE WITH A 3 MM STEP-DOWN TO FIT ALL SITUATIONS. BOTH LEGS MAY BE ADJUSTED TO DESIRED LENGTH. | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 114 | MULTI-STRAND ARCHWIRES | THE SUPER ELASTIC NITI BRAID 8 ARCH WIRE IS AN EIGHT-STRAND SUPER ELASTIC NITINOL WIRE WITH GREAT FLEXIBILITY AND LOW STIFFNESS.  THE SUPER ELASTIC NITI BRAID 8 ARCH WIRE MAY BE USED IN THE INITIAL STAGES OF TREATMENT TO GENTLY LEVEL AND ALIGN WHILE PROVIDING TORQUE CONTROL WITH FULL SLOT ENGAGEMENT. | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 115 | STAINLESS STEEL ARCHWIRES | STAINLESS STEEL ARCH WIRES ARE SPECIFICALLY DESIGNED FOR USE WITH THE STRAIGHT ARCH WIRE TECHNIQUE. | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 116 | SPECIALTY ARCHWIRES | NICKEL-FREE BETA TITANIUM  BENDABLE  SMOOTH, POLISHED SURFACE  LOWER FORCE  LARGER ACTIVATION RANGE  GRADUAL FORCE DECAY | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 117 | ARCHWIRE RACKS | 4" L X 9½" W X 21⁄8" H  BASE IS NUMBERED 22 THROUGH 44 TO ACCOMMODATE A FULL SET OF POSTED WIRES, AND INCLUDES 12 ROWS FOR STORAGE. | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 118 | **CRIMPABLE ARCHWIRE HOOKS** | PRECISION-MIM CRIMP ABLE HOOKS ARE EASILY CRIMPED ONTO ARCH WIRE FOR PRECISE PLACEMENT IN OR OUTSIDE OF THE MOUTH.  BALL HOOK MAY BE BENT FOR RIGHT OR LEFT APPLICATIONS .ALL HOOKS FIT ROUND OR RECTANGULAR ARCH WIRES UP TO .018 X .025. | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 119 | **CRIMPABLE ARCHWIRE TUBES WITH HOOKS** | THE TUBE CAN THEN BE LOCKED SECURELY INTO POSITION BY CRIMPING IT WITH HOW PLIERS OR A DULL ARCH WIRE CUTTER. | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 120 | SHORTY LIGATURE TWISTS | MADE FROM DEAD-SOFT STAINLESS STEEL WIRE,  THESE TIMES SAVING PREFORMED LIGATURES HAVE ENDS THAT ARE ALREADY TWISTED FOR QUICK AND EASY PLACEMENT.   * THEY FIT SHORTY TWIST HOLDERS OR MATHIEU NEEDLE HOLDERS. | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 121 | **NITANIUM CLOSED COIL SPRINGS** | * .010 X .030 – 12 MM * .010 X .030 – 14 MM * .010 X .030 – 16 MM * .010 X .030 – 18 MM | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 122 | NITANIUM OPEN COIL SPRING | * 0.9 MM * 0.7 MM | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 123 | PREFORMED BRASS SEPARATING WIRE | FLAT END PERMITS EASY INSERTION FROM LINGUAL TO BUCCAL WITH EXTRA EXTENSION FOR TWISTING | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 124 | PRO FORM AND OVAL ARCH FORM | PRO FORM TEMPLATE - 3½" L X 7" W  OVAL ARCH FORM III TEMPLATE - 3½" L X 7" W | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 125 | **LIGATURE KIT** | KIT CONTAINS 24 INDIVIDUAL COLORS, WITH A TOTAL OF 270 STICKS WHICH INCLUDES11 STICKS PER COLOR   * 11" L X 7" W X 3½" H | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 126 | **MAXI-TIE .150 LIGATURES** | LARGER THAN STANDARD LIGATURES, THE .150 DIAMETER GIVES MAXI-TIE’S EXTRA SPACE AND FLEXIBILITY | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |

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| 127 | **ELASTIC THREAD** | SOLID ELASTOMERIC MATERIAL IN PRECISION EXTRUDED THREAD FORM.  EXERTS CONTINUOUS LONG LASTING, PREDICTABLE FORCE. | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 128 | **TISSUE GUARD** | THE TISSUE GUARD IS USED TO SLIP OVER THE ARCHWIRE TO PREVENT IRRITATIONS AND AVAILABLE IN GRAY OR CLEAR. | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 129 | **CHAIN ELASTIC** | STANDARD, LONG, CONTINUOUS  MADE FROM SUPER-ELASTIC LONG LASTING MATERIAL THAT DELIVERS CONTINUOUS, GENTLE FORCE FOR MORE PREDICTABLE TOOTH MOVEMENT | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 130 | **INTRAORAL ELASTICS** | * LIGHT (2½ OZ) * MEDIUM (4½ OZ) * HEAVY (6½ OZ) | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 131 | **SINGLE SEPARATORS & SAFE-T-SEPARATORS** | RADIO OPAQUE. PRECISION-CUT, BLUE SEPARATING ELASTICS ARE MADE FROM TOUGH ABSORPTION-FREE ELASTOMERIC MATERIAL | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 132 | **TWIN FORCE BITE CORRECTOR** | HIGH-QUALITY TITANIUM CLAMPS AND SCREWS REDUCE SLIPPAGE.  TWIN FORCE BITE CORRECTOR DEVICES' SCREWS ARE SQUARE FOR A SECURE FIT. | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 133 | **NITANIUM PALATAL EXPANDER** | THERMALLY-ACTIVATED NITANIUM FOR TOTAL CONTROL ELIMINATING PATIENT’S COMPLIANCE  EASE OF PLACEMENT AND REMOVAL BY THE DOCTOR | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 134 | **TEMPORARY ORTHODONTIC ANCHORAGE SYSTEM** | ANCOR PRO ANCHORS ARE AVAILABLE IN THREE POPULAR SIZES – 6 MM, 8 MM, 10 MM, DIAMETER; MADE FROM GRADE 5 TITANIUM; PROVIDING MAXIMUM STRENGTH FOR ULTIMATE PERFORMANCE. | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 135 | **ANCOR PRO ANCHORAGE SYSTEM** | **KIT INCLUDES:**   * 12 ANCOR PRO ANCHORS: 4 OF EACH SIZE; 6, 8, 10 MM * 2 DRIVERS: 1 LONG, 1 SHORT * 1 LATCHLOCK DRIVER * 1 THUMBWHEEL * 1 SCREWDRIVER * 1 DRILL * 12 X-RAY PLACEMENT GUIDES | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 136 | **ENDURA**® **PLUS**™ **HOOK CRIMPING PLIERS** | DESIGNED FOR PLACEMENT AND THE SECURING OF CRIMPABLE ARCH WIRE HOOKS AND POWER HOOKS. |  |  |  |
| 137 | **EXTRAORAL FACEBOW** | THE BOW IS MADE OF SOLID WIRE WITH NO HOLLOW WIRE INSERTED.  WIRE DIAMETER: .045; ANGULATIONS: 0°. VERTICAL LOOPS ON INNER BOW ARE ADJUSTABLE. | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 138 | **SAFETY HIGH-PULL HEAD CAPS** | EXTRA HEAVY DUTY CONSTRUCTION FOR STURDY DEPENDABILITY. EASY TO ADJUST.  **SAFETY HIGH-PULL HEAD CAP COMPONENTS**   * BLACK CAPS * BLACK CLIPS | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 139 | **CHIN CUP** | * DESIGNED FOR USE WITH EITHER HIGH-PULL OR VERTICAL-PULL HEADGEAR. | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 140 | **EXTRAORAL ELASTICS** | AVAILABLE ONLY IN AMBER, ½" THICKNESS   * 8 OZ , 16 OZ | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 141 | **GRAM GAUGE (25-250 GRAMS)** | PRECISION-MADE INSTRUMENT ALLOWING ACCURATE READINGS OF RUBBER BANDS AND COIL SPRINGS. | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 142 | **VERNIER CALIPER** | DESIGNED FOR ACCESSIBILITY AND EASE. MEASURES IN MILLIMETERS. CURVED AND POINTED BEAKS FACILITATE ACCURATE MEASUREMENTS | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 143 | **COVERED PLIERS RACK** | PORTABLE COMPACT SIZE HAS SPACE FOR 12 PLIERS AND A FRONT WELL FOR ASSORTED DOUBLE-ENDED INSTRUMENTS.  12" L X 8¼" W X 2½" H | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 144 | **RHODIUM COATED INTRAORAL PHOTOGRAPHY MIRRORS** | RIOFOTO MIRROR STANDARD KIT OF 6  (1 EACH OF 631-103, 631-104, 631-105, 631-106, 631-107 & 631-108)  **(ADULT)**  **(CHILD)** | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 145 | **PHOTOGRAPHIC STAINLESS STEEL MIRRORS** | THE SURFACE IS COATED WITH SHINY STAINLESS STEEL MATERIAL TO PROVIDE CLEAR REFLECTED IMAGES WITH NATURAL COLOR. | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 146 | **CONTOURING KIT** | 1 HANDLE  10 MEDIUM, SINGLE-SIDED BLADES | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 147 | **SEPARATING ABRASIVE STRIPS** | SEPARATING ABRASIVES STRIPS ARE USED TO REDUCE AND/OR SHAPE THE INTERPROXIMAL AREA.  STRIPS ARE .003" THICK AND COME IN FINE, MEDIUM, COARSE, 53OR DOUBLE-SIDED MEDIUM IN 4 54MM, 6 MM AND 8 MM. | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 148 | **ARCH MEASUREMENT GUIDE** | DESIGNED FOR ACCURATE ARCH LENGTH MEASUREMENT | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 149 | **PROTRACTOR AND TEMPLATE** | UNIQUE COMBINATION OF PROTRACTOR AND TOOTH TEMPLATE FOR ACCURATE CEPHALOMETRIC ANALYSIS. | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 150 | **PATIENT CARE KITS** | PROVIDE YOUR PATIENTS WITH ALL THE NECESSARY TOOLS TO STAY DILIGENT DURING TREATMENT WITH THEIR ORAL HYGIENE | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 151 | **RETAINER CASES** | MADE FROM DURABLE, HIGH QUALITY PLASTIC, THESE RETAINER CASES FEATURE A NEW TRIM SHAPE AND AN EASY TO USE CLASP THAT SHUTS SECURELY | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 152 | **ULTRA-GUARD MOUTH GUARDS** | IDEAL FOR ATHLETES WITH BRACES AND USEFUL FOR ALL SPORTS. THESE MOUTH GUARDS HELP TO PROTECT BOTH UPPER AND LOWER TEETH, AND HELP MINIMIZE LACERATIONS TO LIPS AND CHEEKS | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 153 | **CURING POT (PATILA)** | 2’x2’ (Feet) for bowling |  |  |  |
| 154 | **GAS TORCH** | For Ortho Lab | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 155 | **LIGATURE WIRE** |  | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 156 | **O – RING PLANE** |  | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 157 | **O – RING COLOURED** |  | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 158 | **NIGHT GUARD SHEET FOR VACUUM FORMER** |  | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 159 | **LIQUID FOR OPAQUE** |  | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 160 | **LIQUID FOR DENTIN** |  | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 161 | **LIQUID FOR INVESTMENT CPD** |  | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 162 | **HYRAX EXPANDER SCREW** |  | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |

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| 163 | **ELASTO MERIC – SEPERTOR & REMOVABLE SEPERTOR** |  | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 164 | **REVERSE CURVE SPEE WIRE NITI** |  | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
| 165 | **DENTAL MODELS and MOLDS** | * MODEL OF HUMAN CANINE TOOTH SHOWING ENAMEL-DENTINE-PULP THAT SHOULD BE ANATOMICALLY DESIGNED WITH SENSIBLE HARDNESS DIFF. BETWEEN ENAMEL, DENTINE RED PULP SHOULD BE LARGER THAN ANATOMICAL SIZE. * MODEL OF HUMAN MAXILLARY MOLAR WITH ANATOMICALLY DESIGNED ENAMEL, DENTINE AND PULP LAYERS WITH SENSIBLE HARDNESS DIFF.BETWEEN ENAMEL, DENTINE RED PULP. SHOULD BE LARGER THAN ANATOMICAL SIZE. * MODEL OF HUMAN UPPER/LOWER INCISOR TOOTH WITH ANATOMICALLY DESIGNED ENAMEL, DENTINE AND PULP LAYERS WITH SENSIBLE HARDNESS DIFF. BETWEEN ENAMEL, DENTINE RED PULP. SHOULD BE MORE THAN LARGER THAN ANATOMICAL SIZE. * MODEL OF HUMAN LOWER PREMOLAR TOOTH SHOULD BE LARGER THAN ANATOMICAL SIZE. * INDIVIDUAL SILICON RUBBER TOOTH MOLDS LARGER THAN HUMAN TOOTH SIZE OF AT LEAST 28 HUMAN PERMANENT TEETH MADE OF TRANSPARENT FLEXIBLE RUBBER. | **EUROPE/USA/JAPAN/GERMANY OR EQUIVALENT** |  |  |
|  | Lathe pumice Brush. |  |  |  |  |
|  | Porcelain Buildup brush |  |  |  |  |
|  | Porcelain Opaque Liquid. |  |  |  |  |
|  | Porcelain stain liquid. |  |  |  |  |
|  | Porcelain shade A 2(Paste Form) |  |  |  |  |
|  | Porcelain Shade A 3 (Paste Form) |  |  |  |  |
|  | Porcelain Shade A 3.5 (Paste Form) |  |  |  |  |
|  | Porcelain Shade B 2 (Paste Form) |  |  |  |  |
|  | Porcelain Shade C 2 (Paste Form) |  |  |  |  |
|  | Glaze tray. |  |  |  |  |
|  | Translucent Powder T1. |  |  |  |  |
|  | Translucent Powder T2. |  |  |  |  |
|  | Translucent Powder T3. |  |  |  |  |
|  | Translucent Powder T4. |  |  |  |  |
|  | Dental Laboratory full face shield. |  |  |  |  |
|  | Casting goggles. |  |  |  |  |
|  | Safety gloves |  |  |  |  |
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| **PACKAGE O2**  **DENTAL EQUIPMENT LIST WITH SPECIFICATION** | | | | | |
|  | | | | **BIDDER COMPLIANCE** | |
| S/N | **EQUIPMENT NAME** | **SPECIFICATION** | **CONTENT** | **YES / NO** | **IF “NO” INDICATE YOUR OFFER** |
| 1 | Motor for Air Compressor | 3 HP USA / Europe / UK |  |  |  |
| 2 | PCB Board for physio dispenser implant med | Implant Maid W&H Austria |  |  |  |
| 3 | Suction Motor | 3HP Korean |  |  |  |
| 4 | PCB for Dental Units | Model Down Plus |  |  |  |
| 5 | Key pad for Dental Units | Model Down Plus |  |  |  |
| 6 | Keypad for X Ray | Villa Endos /ACP Italy |  |  |  |
| 7 | Foot Control with tubing for Dental Units | Korean / China |  |  |  |
| 8 | Tubing High Volume | Korean |  |  |  |
| 9 | Tubing low Volume | Korean |  |  |  |
| 10 | Tubing 6x4 mm | USA / Korean |  |  |  |
| 11 | Tubing 4x2 mm | USA / Korean |  |  |  |
| 12 | High volume Suction | Suction Hand Piece Korean & China |  |  |  |
| 13 | Low volume Suction | Suction Hand Piece Korean & China |  |  |  |
| 14 | Complete Panel for Air Compressor | Local |  |  |  |
| 15 | Safety Valve | 12 bar to 15 bar Japans & Korean |  |  |  |
| 16 | Automatic Switch | 12 bar to 15 bar Japans & Korean |  |  |  |
| 17 | Air Regulator with filter | 12 bar to 15 bar Japans & Korean |  |  |  |
| 18 | LCD | 22 MB Lisa W&H Austria |  |  |  |
| 19 | Transformer | 12 + 0+ 12 Vac 4 Ampere |  |  |  |
| 20 | Transformer | 24 Volt 3 Ampere |  |  |  |
| 21 | Gas Pipe flexible ½ Inch | Dental Unit & Compressor |  |  |  |
| 22 | Assembly for pressure bottle | Dental Units |  |  |  |
| 23 | Hose pipe for cylinder to block | Dental Units |  |  |  |
| 24 | Cylinder (back forward & Up down) | Dental Units |  |  |  |
| 25 | Drain coupling for bowl flash | Dental Units |  |  |  |
| 26 | Releasing solenoid | Air compressor |  |  |  |
| 27 | S.S tray | Dental Units |  |  |  |
| 28 | Flexible wire (6 core) | Dental units |  |  |  |
| 29 | Flexible wire (23/76) | Dental Units |  |  |  |
| 30 | Vacuum pump kit | Auto clave |  |  |  |
| 31 | Pressure Water System with Air Regulator china | Dental Units |  |  |  |
| 32 | Three Way Syringes | Dental Units |  |  |  |
| 33 | Hand Piece Coupling with Connectors | Dental Units |  |  |  |
| 34 | Needle Valve for( china) Water | Phantom Head |  |  |  |
| 35 | Transformer for Light) (copper winding) | Phantom Head |  |  |  |
| 36 | Power Board | Intra Oral X-Rays Machine |  |  |  |
| 37 | Tube head. | Intra Oral X-Rays Machine |  |  |  |
| 38 | Tube Head connector Male or Female. | Intra Oral X-Rays Machine |  |  |  |
| 39 | Casters with & without lock. | Intra Oral X-Rays Machine |  |  |  |
| 40 | Exposure switch. | Intra Oral X-Rays Machine |  |  |  |
| 41 | Flexible arm. | Intra Oral X-Rays Machine |  |  |  |
| 42 | Scalar Hand Piece with Cord | Dental Scalar |  |  |  |
| 43 | Magnetic contactor. | Dental Compressor |  |  |  |
| 44 | Overload relay. | Dental Compressor |  |  |  |
| 45 | Timer Rotary Switch. | Dental Compressor |  |  |  |

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| S/N | **EQUIPMENT NAME** | **SPECIFICATION** | **CONTENT** | **YES / NO** | **IF “NO” INDICATE YOUR OFFER** |
| 46 | Relay with socket. | Dental Compressor |  |  |  |
| 47 | Non return Valve | Dental Compressor |  |  |  |
| 48 | Base with caster | Stool Assistant |  |  |  |
| 49 | Hydraulic Pump. | Dental Units |  |  |  |
| 50 | Capacitor | Dental Units |  |  |  |
| 51 | Pulsar box. | Dental Units |  |  |  |
| 52 | Limiting Connecting rod. | Dental Units |  |  |  |
| 53 | Limit Switch. | Dental Units |  |  |  |
| 54 | Head rest mechanism. | Dental Units |  |  |  |
| 55 | Arm rest with pivot. | Dental Units |  |  |  |
| 56 | Bowl strainer. | Dental Units |  |  |  |
| 57 | Cup Filler tap. | Dental Units |  |  |  |
| 58 | Bowl flash tap. | Dental Units |  |  |  |
| 59 | Solenoid 24 VAC. | Dental Units |  |  |  |
| 60 | Water manifold. | Dental Units |  |  |  |
| 61 | Needle Bulb for bowl flash. | Dental Units |  |  |  |
| 62 | Push type switch for cup filler. | Dental Units |  |  |  |
| 63 | Suction bar with rod. Lock out manual. | Dental Units |  |  |  |
| 64 | Pressure bottle. | Dental Units |  |  |  |
| 65 | Try block. | Dental Units |  |  |  |
| 66 | X-Ray Viewer. | Dental Units |  |  |  |
| 67 | Water manifold (for Doctor trey) | Dental Units |  |  |  |
| 68 | Air manifold (for Doctor trey) . | Dental Units |  |  |  |
| 69 | Reflector for light. | Dental Units |  |  |  |
| 70 | Dental light head. | Dental Units |  |  |  |
| 71 | On / off switch for dental light. | Dental Units |  |  |  |
| 72 | Fix arm for dental light. | Dental Units |  |  |  |
| 73 | Flexible arm for dental light. | Dental Units |  |  |  |
| 74 | Three core wire 23/76 one coil. | Dental Units |  |  |  |
| 75 | 3 phase circuit breaker | Suction Machine |  |  |  |
| 76 | Over load relay. | Suction Machine |  |  |  |
| 77 | Power switch | Suction Machine |  |  |  |
| 78 | Relay | Suction Machine |  |  |  |
| 79 | Timer | Suction Machine |  |  |  |
| 80 | Transformer | Suction Machine |  |  |  |
| 81 | Rotary Switch. | Suction Machine |  |  |  |
| 82 | Phase Selector. | Suction Machine |  |  |  |
| 83 | Transformer. | Micro motor |  |  |  |
| 84 | Hand piece with cord. | Micro motor |  |  |  |
| 85 | Dental Light Complete | Dental Unit |  |  |  |
| 86 | Chock for work Station 220 Volt 24 V DC | Dental Units |  |  |  |
| 87 | Tub lights 36 Watt for work station |  |  |  |  |
| 88 | Dental light complete | Dental unit |  |  |  |
| 89 | Solenoid valve 24v | Dental unit |  |  |  |
| 90 | Mechanism for head rest | Dental unit |  |  |  |
| 91 | Steam Generator | Auto clave Lisa |  |  |  |
| 92 | Bacterial Filter | Auto clave Lisa |  |  |  |
| 93 | Lock out (manual) | Dental unit |  |  |  |
| 94 | T 6x4 mm | Dental Unit |  |  |  |
| 95 | T 4x2 mm | Dental Unit |  |  |  |
| 96 | Straight Joint 6x4 mm | Dental Unit |  |  |  |
| 97 | Straight Joint 4x2 mm | Dental Unit |  |  |  |

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| S/N | **EQUIPMENT NAME** | **SPECIFICATION** | **CONTENT** | **YES / NO** | **IF “NO” INDICATE YOUR OFFER** |
| 98 | Nozle Gas Pipe 1/4x2 | Dental Unit |  |  |  |
| 99 | Jublie Clips for Gas pipe | Dental Unit |  |  |  |
| 100 | Head Rest Complete | Dental Unit |  |  |  |
| 101 | Hand Piece Coupling Connector | Dental Unit |  |  |  |
| 102 | 3 Way Syringe | Work Station |  |  |  |
| 103 | Tubing for 3 way | Work station |  |  |  |
| 104 | Drain cavity | Phantom Lab |  |  |  |
| 105 | Jaws with Removal teeth | Phantom Lab |  |  |  |
| 106 | Pull Back valve | Phantom Lab |  |  |  |
| 107 | Tool Kit Complete | Bio medical |  |  |  |
| 108 | Electric blower | Bio medical |  |  |  |
| 109 | Drill machine with complete set | Bio medical |  |  |  |
| 110 | Socket spanner kit mm | Bio medical |  |  |  |

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| **PACKAGE O3**  **DENTAL MATERIAL LIST WITH SPECIFICATION** | | | | | |
|  | | | | **BIDDER COMPLIANCE** | |
| S/N | **EQUIPMENT NAME** | **SPECIFICATION** | **CONTENT** | **YES / NO** | **IF “NO” INDICATE YOUR OFFER** |
| 1 | **Air Compressor** | For Executive Surgeries.  **One Motor Single phase**  Output power: 3~ 50Hz- 2.5 kW - 10 A  Dust Free, Moisture Free, Oil Free  2.5 kW Motor  Pumping capacity as per 2.5KW Motor  Mounting on Tank  Tank Capacity: 50 L  Noise level: 74dB (A)  Drain system  Automatic Thermal Protection Switch  Automatic ON/OFF rotary Switch  Air Gauge, Air Filter with Regulator.  Safety release valve  Automatic Circuit Breaker.  **(Europe, USA & Japan)** |  |  |  |
| 2 | **Ultrasonic Scalar** | Weight: not more than 0.7kg  Power supply: 230V, 50/60Hz  Max. Input: 20W,  Working Frequency: 24,000 – 29,500 Hz  Ultrasound output: continuous adjustment,  Average water supply: 34g/min  Water input: 1-6bars, Should be supplied with  Four Autoclavable scalar tips Tip changer,  Tip changing wrench, Water on / off option  Water connection with water filter,  Autoclavable Handpiece Interrupts power and flash  LED signals and immFediate automatic disruption of water supply,  In case of wear or incorrect fitting of an insert tip to the  Handpiece or any handpiece or handpiece cord defects  **(Europe, USA & Japan or**  **Equivalent )** |  |  |  |
| 3 | **PULSE OXYMETER WITH MONITOR MOBILE TYPE** | **Multi Parameter**  **Technical Specifications**  Patient Range  Adult, Pediatrics and neonatal patients  Digital SpO2  Range 0 - 100%  Resolution 1%  Accuracy 70% to 100%: ±2%  Refreshing rate < 13 seconds  Pitch Tone Yes  Pulse Rate  Range 25 - 250 bpm  Resolution 1 bpm  Accuracy ±2% or ±1 bpm, whichever is the greater  Refreshing rate < 13 seconds  Display  Type 2.4” color display 320 x 240 pixels  Parameter  Digital SpO2 , Pulse Rate, Pleth bar & SpO2 waveform, (ECG, TEMP)  **(Europe, USA & Japan)** |  |  |  |
| 4 | **Intra Oral Camera with LCD and VGA Arm** | Power : 5V±0.5V (1500mA)  Image sensor: 1/4"  Effective Pixels& High Resolution: PAL: 752(H) ×582(L) (470k Pixel)  NTSC: 768(H) ×494 (L) (410K Pixel)  IIIumination : 6XLEDS  Handle lead : 200mm  Focus range : 3mm-40mm  Image orientation : foot board HM button  Mode : Mode set function- it can be  Interface : Mode set function- it can be  Along with  VGA Arm  LED/LCD 19”  **(Europe, USA & Japan or**  **Equivalent )** |  |  |  |
| 5 | **Electro Surgery/ Coagulation Equipment Portable** | **Specifications:**  Maximum power output: 50W (@ 400 ohm load)  Power supply: 110V±5% ~50/60Hz 92VA or 220V±5% ~50/60Hz 92VA  Work frequency: 1.5~1.7MHz±5%  Dimension (cm): 23(L) x 22.5(W) x 8.5(H)  Hand piece cable length: 190 cm  Indifference plate cable length: 190 cm  Weight: 12lbs  **Included Parts & Accessories:**  Electron (ART E1) Main Unit  Power Cord  PP0031-002: Universal foot switch  EU0004-002: Indifference/ Grounding plate  EU0003-032: E1 hand piece  TE0002-002: Assorted electrode set of 7 (includes the following electrodes):  TE0001-012: T1 Diamond shaped electrode  TE0001-022: T2 Small loop electrode  TE0001-032: T3 Large loop electrode  TE0001-042: T4 Fine wire electrode  TE0001-052: T5 Heavy wire electrode  TE0001-072: T7 Oval loop electrode  TE0001-092: T9 Heavy ball electrode  **Other Parts:**  EU0013-002: Bipolar converter (not included). The bipolar converter does not convert the system to operate in bipolar mode. It merely allows bipolar prongs and hand pieces to be used with the ART-E1  **(Europe, USA & Japan or**  **Equivalent )** |  |  |  |
| 6 | **High Speed Air Turbine Hand Piece** | Single spray and push-button chucking system,  for FG burs Ø 1.6 mm (ISO 1797-1)  Head size: Ø 12.2 mm Power\*: 16 Watt  Speed\*: 330,000 -1  with Borden 2-hole connection  **(Europe, USA & Japan)** |  |  |  |
| 7 | **Air Motor with slow speed straight and contra angle hand piece** | Motor should have Facility to rotate the bur Clockwise and anti-clockwise  External water spray  Max. Speed: up to 25,000 rpm  Borden 2/4 hole connection  **Along with**   1. **Straight Hand Piece Drive**   1:1 Direct Drive  Max. Drive speed: 40,000 min-1 Twist tension chucking system,  for handpiece and contra-angle burs with Ø 2.35 mm (ISO 1797-1) Autoclavable   1. **Contra angle hand piece Drive**   1:1 Direct Drive, for C burs (Ø 2.35 mm)  Push-button chucking system,  Max. Drive speed: 40,000 min-1  **Autoclavable**  **(Europe, USA & Japan or**  **Equivalent )** |  |  |  |
| 8 | **Micro Motor (Bench Top Type) with Slow Speed Straight and Contra Angle Hand Piece** | E-Type Motor  Operate foot control and hand control.  o to 50000 rpm.  220 V 50 / 60 Hz.  Foot Control.  Motor with cord.  Power cord.  Hand Piece holder  **Along with**   1. **Straight Hand Piece Drive**   1:1 Direct Drive  Max. Drive speed: 40,000 min-1 Twist tension chucking system,  for handpiece and contra-angle burs with Ø 2.35 mm (ISO 1797-1) Autoclavable   1. **Contra angle hand piece Drive**   1:1 Direct Drive, for C burs (Ø 2.35 mm)  Push-button chucking system,  Max. Drive speed: 40,000 min-1  **Autoclavable**  **(Europe, USA & Japan or**  **Equivalent )** |  |  |  |
| 9 | **Endodontics Rotary System with accessories and consumables (Latest Model)** | Compact Easy Portable Unit  With Handpiece Rechargeable (With Charger)  Power Supply: Ac 120v 60 Hz Or 230v 50/60 Hz And Battery Pack  Multiple Programs  Max Torque: 0.6~7 Ncm  Speed Range: 100 ~13,000min-1  LCD Screen  Operate With & Without Paddle  Reverse/Forward & Auto Reverse Option  Charge/ Continuous Use: 5h/2h  Control Unit  Motor And Cord  Hand Piece Stand  Ac Adaptor  **(USA & Japan )** |  |  |  |
| 10 | **Apex Locator with accessories (Latest)** | Perfection Dry and Wet Media  Accurate Measurement  Color Liquid Cristal Display Lcd  Power Supply: For 1.5 V (Lr03 Or R03) Batteries  Continuous Use: Approx. 60 Hours  Control Unit  Probe (1.8 M) Minimum  File Clip (6 Pcs.)  Lip Hook (Minimum 6Pcs)  Manganese Dry Batteries AAA (3 Pcs.)  Tester  **(USA & Japan )** |  |  |  |
| 11 | **X-Ray Viewer** | X RAY ILLUMINATOR  10cm thickness Luxury X-ray illuminator, medical film viewer, super thin type MST-P double Union Standard type  **(Europe, USA & Japan or**  **Equivalent )** |  |  |  |
| 12 | **Composite Light Curing Machine (Cordless) Rechargeable** | Cordless LED curing lamp for flexible use  that can be taken from one room to the other.  With lithium-ion battery to for 320 cycles of 10  seconds each in succession and recharging no more than 90 minutes.  Two operating modes: “Fast-Curing” and “Slow Rise” (soft start).  Technical Specifications:  Light Source: 5 W LED with patented optical focusing  Wavelength Range: 440-480 nm with peak at 460 nm  Fiber glass light guide : Ø 8 mm, can be sterilized at 135oC  Light Intensity : Ø 8 mm light guide > 1.000 m W/cm2  Working life of LED : 2.500.000 cycles, 10 seconds each  Battery : Lithium –ion battery (no memory effect)  Battery Capacity: 320 cycles, 10 secs each  Recharging time: about 90 mins  **(Europe, USA & Japan or**  **Equivalent )** |  |  |  |
| 13 | **Auto Clave along with printer** | Portable Horizontal Steam Sterilizer; Class B  (stand alone with internal tank), one manual door  Water feeding system with water tank sensor to check the water quality.  Stainless Steel Chamber of 304/316L  Temperature Range upto 134° C at least  Digital display for pressure, cycle, time  Fully automatic, programmable microprocessor type  Capacity 22 liters/ 5kg load/ cycle.  5-10 cycles working range.  5 piece of Aluminum trays compatible with the steam sterilization.  One piece of holder for unloading of trays.  Comply with MDD/ FDA standards for sterilization.  **Advantages at a glance:**  > The ECO B cycle reduces the cycle time by half.  The ECO B Sterilization program is a Fast type B Cycle (in less than 30 minutes) for small loads of all types including bagged hollow instruments such as dental handpiece, which includes drying.  > Low-noise operation with the patented water separation system  > User-friendly keypad for simple navigation to all sterilization options  > Built-in dust filter to protect internal components  > Built-in data log, sterilization cycles can be saved to a USB stick without needing cables  and external boxes.  > Programmable cycle start  > Integrated automatic water filling valve (optional)  > Automatic digital cycle recording on USB stick  **Technical Features:**  Power supply: 200 – 240 Vac 50 / 60 Hz; 10 A  Power consumption upto 2 kW  Main/Used water tanks: 4 / 3.5 liters  Sound level 63db max.  Working range: 5 to 10 cycles  Connection type:  Serial port & USB port  **(Europe, USA & Japan or**  **Equivalent )** |  |  |  |
| 14 | **Water Distiller** | Distilled water of exceptional purity  The Dist enables economical production of  distilled water for sterilization.  The Dist produces 4 litres of distilled water from tap water in less than 5 hours.  **Your advantages at a glance:**   * Very simple to use * Silent in operation * Compact, light and mobile * Stainless steel tank, robust and easy to maintain * Automatic heater cutout * Int egrated carbon filter   **[(Europe, USA & Japan or](javascript:void(0))** **[Equivalent )](javascript:void(0))** |  |  |  |
| 15 | **GLUCOMETER WITH STRIPS (BLOOD GLUCOSE METER)** | **Technical Specification**  1. Should Be A Hand Held Meter  2. Should Require No Routine Maintenance  3. Should Have Reading Range/Linearity From 20 To 600 Mg/Dl  4. Should Have A Maximum Reading Time Of Less Than 10 Seconds  5. Should Use Electrochemical Technology  6. Should Use A Minimum Blood Sample Less Than 1.5µl  7. Should Have A Lcd Display  8. Should Have Measuring Unit In Mg/Dl.  9. Should Have Wide Operating Temperature  10.Should Have A Minimum Memory Of 50  11.Should Have Life Time Replacement Offer  12.Should Have Easy Code Entry Technique  13.Battery Should Be Replaceable Without Using Any Tools.  14.Should Have Facility To Ensure Accuracy Of Measurements.  15.Should Be Supplied With Three Types Of Control Solutions Of Each At Least 20 Ml  16.Should Have Safety Certificate From A Competent Authority Ce / Fda (Us) / Stqc Cb  Certificate / Stqc S Certificate Or Valid Detailed Electrical And Functional Safety Test  Glucose Strips Glucose Strips  1. Should Be Able To Use Capillary Blood Samples.  2. Should Have A Minimum 4 Months Shelf Life After Opening The Strip Vial.  3. All Strips Should Have At Least One Year Expiry Date From The Date Of Supply.  4. 50 Strips Should Be Supplied Along With The Equipment.  5. Strips Should Be Available In The Local Market.  Complete With Standard Accessories  (EUROPE, USA, JAPAN OR EQUIVALENT ) |  |  |  |

**Part-VIII**

**SAMPLE FORMS**

**Form-I**

**Letter of Acceptance**

Date:

*To:*

**Consultant P&D/Procurement 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 itemin 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 15days 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 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 20\_\_\_\_\_\_.

*[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

Package No. 1\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Package No.2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Package No.3 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Total Bid amount in words: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Total Bid amount in figure: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature of Bidder

*Note:*

1. In case of discrepancy between unit price and total, the unit price shall prevail.
2. 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.

**Form-III**

**Experience of Similar Supply and Installation**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **S/N** | **Assignment Description** | **Name /Contact Details of Client** | **Cost** | **Start**  **Date** | **End**  **Date** | **Remarks** |
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#### Form-IV

#### 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., \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_And has accepted a bid by the Supplier for the supply of those goods and services in the sum of *[contract price in words and figures]* (hereinafter called “the Contract Price”).

NOW THIS AGREEMENT WITNESSED 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.

INWITNESS 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)

### Form-V

### Performance Security Form

To:

**P&D/Procurement 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 \_\_\_\_\_\_\_\_\_\_\_\_ 20\_\_\_\_\_ 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]*

### Form-VI

#### Manufacturer’s Authorization Form

To:

**P&D/Procurement 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.