

PROPOSAL DOCUMENT

for

**the Supply, Installation and Operation of CBCT
Machine on PPP Module**

B.P. Koirala Institute of Health Sciences, Dharan, Nepal

Invitation for Proposal

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Invitation for Proposal Bids for the Supply, Installation and Operation of CBCT Machine on PPP Module

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1. B.P. Koirala Institute of Health Sciences (BPKIHS), Dharan, Nepal invites proposal from eligible bidders for the **Supply, Installation and Operation of CBCT Machine on PPP Module**.
2. A complete set of Proposal Documents may be purchased from Registration & Dispatch Unit of BPKIHS upon payment of a non-refundable fee of NRs 5000.00 (Rupee Five thousand only) till 2079.04.13 (29.07.2022) during office hours. Proposal Document fee should be deposited in the following Rajaswa (revenue) account as specified below :
Name of the Bank: Rastriya Banija Bank
Name of Office : B.P. Koirala Institute of Health Sciences
Office Code no. : BPKIHS
Office Account no.: 2160001070001
Rajaswa (revenue) Shirshak no. :BPKIHS.
3. Proposal must be valid for a period of 90 days from the date of proposal opening and must be accompanied by a proposal security, amounting to a minimum of NRs. 6,00,000.00, which shall be valid for 30 days beyond the validity period of the proposal (i.e. not less than 120 days from the date of proposal opening).
4. The proposals will be opened on next day of submission of proposal at 10:00 am at BPKIHS. If the last date of purchasing and /or submission falls on a government holiday, then the next working day shall be considered as the last date. In such case the validity period of the proposal security shall remain the same as specified for the original last date of bid submission.
5. Following documents must be submitted with the proposal:
 - a. Copy of Firm Registration Certificate
 - b. Copy of Business Registration
 - c. Copy of VAT and PAN Registration Certificate
 - d. Tax Clearance Certificate/Tax return submission evidence/evidence of time extension for the F/Y 2077/078.
 - e. Copy of Manufacturer's Authorization Letter
 - f. A written declaration with a statement that the firm is not ineligible to participate in the procurement proceeding, has no conflict of interest in the procurement proceeding, and has not punished for a profession or business related offense.

**TERMS AND CONDITION FOR THE INSTALLATION , OPERATION , MANGEMENT AND HANDLING OF
CONE BEAM COMPUTED TOMOGRAPHY (CBCT) MACHINE WITH CEPHALOMETRICS UNDER PUBLIC
PRIVATE PARTNERSHIP (PPP) AT COLLEGE OF DENTAL SURGERY,BPKIHS, DHARAN**

1. Here, B.P.Koirala Institute of Health Sciences, Dharan is 1st party whereas Bidder is 2nd party.
2. The 2nd party will supply and install one complete unit of latest model (within one year of manufacturer) and company of repute CBCT Machine with Cephalometrics along with the Complete Accessories Including Dry Imager and Printer, Branded Computer (From the principal manufacturer) with Medical Grade Monitor of adequate quantity with all Genuine Licensed Software for Multiple User's, UPS, Air Conditioner , Stabilizer, Console Room Furniture etc. required for CBCT Machine with Cephalometrics at its own cost in the College of Dental Surgery (CODS) of BPKIHS under PPP.The Proposed Machine shall be as per the attached Technclal Specification of the 1st party and must be supplied along with all the genuine software required for the analysis as per the Technical Specification of 1st party. CBCT Scan will be installed and brought into operation maximum within three months of signing of this contract.
3. The 1st party shall provide the space and room only . Any additional civil , electrical, electronic , computer, air conditioning work including air conditioner required for the Installation , operation, managemant and handling of CBCT Machine shall be born by the 2nd party itself.
4. To make workflow easier and faster 2nd party will install Dry Imager (Camera) for hard copy print out of the examination at its own cost, which is mandatory.
5. Cost of entire spare parts, accessories , consumables and also cost of repair/maintenance and servicing as and may be required for CBCT Machine with Cephalometrics and Associated Equipme's/Machine's shall be borne by 2nd party only , during the entire period of this contract.
6. CODS,BPKIHS shall collect the charges through its existing Institute software and counter, quarterly. Verification shall be done by 2nd party and same shall be submitted to the Institute. The CODS,BPKIHS shall cross verify it and transfer the charges collected by them to 2nd party as per its percentage of share. This can be done by bank transfer to said account of the 2nd party on quarterly basis.
7. Availabilty of CBCT Films and Its Cost , required for running the CBCT Machine will be borne by 2nd party itself during the contract period.
8. Radiation protection for the operting room and console has to be carried out by the 2nd party. This includes radiation protective glass window of standard size & thickness, radiation protective lead for doors and windows, radition protetive accessories such as lead aprons, shield,googles,hanger for apron etc. Radiation Safety should comply with the Nepal as well as international standards.
9. The unit supplied /proposed should be compatible with the power and ambient environment of 1st party.
10. Certificate of calibration and inspection from the principal manufacturer has to be submitted during the Installation.

11. Cost of Electricity, Water supply, Telephone required for running CBCT Machine will be borne by the 1st party beside appropriate capacity of UPS with minimum 30 minutes back up for the entire system along with fire fighting system has to be supplied and borne by the 2nd party.
12. Technician for Operation and Doctors/Consultant for Reporting will be provided by the 1st party during working days of the Institute.
13. The Contract Period is valid for not more than 10 yrs. After the completion of contract period the 2nd party will handover the entire functional CBCT Machine with Cephalometris and all the accessories, dry imager and printer, ups, computer etc to the 1st party, which will then after be the property of 1st party only.
14. The distribution of billing rate for first 5 years should be minimum 40%, 1st party whereas the distribution of billing rate for next 5 years should be minimum 50%, 1st party.
15. This partnership will be based on general billing rate revenue sharing basis as per which minimum 40 % (Including 10% reserve for BPKIHS, "Free Patients" or "HWS Patients") of total general billing revenue to the 1st party and approved percentage of the general billing revenue to 2nd party after deduction of income tax and other government levies as applicable from Institute under the laws of Nepal.
16. The Institute will ensure that in house and out house patient, doctors and others continue to take services of CBCT facility during the contract period.
17. The Institute doesn't permit 2nd party to undertake any patients or promotion activities with other hospitals to draw cases.
18. Charges for CBCT services shall be as per the Guidelines of the 1st party, subject to revision periodically, if required.
19. Machine Calibration & Radiation Leak Check must to be carried out periodically as per the manufacturer guidelines by the concerned technical expert and must submit its report to the 1st party.
20. The 2nd party must station a qualified trained technical service engineer/technician for the uninterrupted service delivery. The salary, accommodation, fooding & all logistic etc. of which has to be borne by the 2nd party without any obligation to 1st party.
21. The uptime of the machine must be atleast 95% of the entire working days of the year. Any downtime exceeding 5% of the entire working days of the year , penalty of NRS.10,000/-flat per day shall be deducted from the 2nd party income.
22. The Machine shall be fully Insured by the 2nd party and shall cover all the damages if incurred due to natural calamities , accidents , explosion, tampering , misuse or neglect, failure of power, air-conditioning ,humidity control etc.

23. The 2nd party shall provide service during normal working hours on working days . Although has no rights to decide or claim any services carried beyond working hours and working days.
24. Training of doctors and technicians to be provided by the 2nd party free of cost by a qualified technical person and an experienced oral radiologist for CBCT software application during the time of installation and as an when required.
25. Ownership of all the data's and images will be owned by the 1st party.
26. Machine should be supplied with Genuine Licensed Software by the 2nd party. Also any upgradability in version, features, application etc. of the software/hardware should be carried out by the 2nd party too as an when required or introduced by the principal manufacturer.
27. The 2nd party shall claim no extra charge for shifting the machine to a new location, if required.
28. The contract is governed by the law's of Nepal and any dispute if arises, will be settled as per the prevailing arbitration laws of Nepal.
29. The contract will be terminated in event of change of ownership by either party and in such case follow clause 30 of the contract.
30. The contract can be terminated by either party with valid reason on prior notification of minimum 3 months in advance but termination of contact cannot be done before the completion of 1st. 5 years of operation . Termination of the contract afetr 1st. 5 years if done than the CBCT Machine with Cephalometrics along with Complete Accessories shall be the property of 1st party and no ownership of 2nd party will be claimed.
31. The 2nd party is answerable to the 1st party in case of any malfunctioning and/or repair of machine to the concerned department of 1st party, this includes any upgradation of software /hardware too.
32. The contract period will be effective from B.S. toB.S.

Signatures & Seal :

2nd Party

Name:-
Designation :-
Date:-

Witnesses :-

Name:-
Designation:-
Date:-

1st Party

Name:-
Designation :-
Date:-

Name:-
Designation:-
Date:-

Specification for CBCT

S.N	Purchaser's Specifications	Bidder's Compliance Sheet			
A	Manufacturer >				
B	Brand >				
C	Type/Model >				
D	Country of Origin >				
E	PPP Sharing %:				
	a. Institute %				
	b. Vendor %				
1	Description of Function	Yes	No	Page no. in Brochure	Remarks
1.1	A complete system of CBCT machine setup to produces 3D images useful for many oral and maxillofacial situations that can guide in diagnosis and assessment of disease severity, planning and delivery of treatment, and follow-up. The system should be of latest technology and a state of art product.				
2	Technical Specifications for CBCT				
2.1	Should have field of view (FOV) 17×16cm or higher with 3D adjustable FOV.				
2.2	The imaging fields should include scanning dentomaxillofacial region including teeth, full upper and lower jaw, TMJ, implant imaging, airway analysis, ENT, with cephalometric system include AP/PA, carpus views and cervical spines				
2.3	Should have flat panel detector system.				
2.4	The patient positioning should be standing, sitting and wheel chair accessible.				
2.5	Imagine Software should be user friendly along with latest version with automatic upgradable software system which should be able to perform 2D and 3D imaging, acquire 2D imaging of panoramic and cephalometric, 3 D imaging, 3D TMJ analysis module, implant, endodontics, 3D rendering, airway studies and cephalometric software and TWAIN software, noise optimizer, 3D face reconstruction, 4D jaw motion, model scan, Artefact removal software.				
2.6	Must provide computer and processor with atleast mentioned configuration such as medical grade monitor, screen size of 24 inches or higher, high resolution RAM 32 GB, Hard drive of 12 TB, with genuine processor, 3.3 gigahertz, 64 bits operating system. The processor should be of the same company as that of the CBCT machine				
2.7	Printer and printer software should be latest and state of art technology printer must be provided along with latest dicom software with permanent license installed compatible with the CBCT machine.				
1.10	Exposure and image acquisition parameters should be as below or better:				
a	Scan mode- panoramic and continuous				
b	Scan time- less than 30 seconds				
c	Reconstruction time: 2-25 seconds				
d	Exposure – pulse and continuous exposure, with minimum dose to patient with adjustable image field size				
e	Gray scale-16bit or higher				

S.N	Purchaser's Specifications	Bidder's Compliance Sheet			
f	3D Resolution – high resolution <0.2, isotropic voxel size of 0.2 and 0.1 mm, upto 90 micrometer, voxel size- upto 600 micrometer, high definition image				
g	Reconstruction time- less than 60 seconds				
h	Tube voltage: 60 to 90 kV, current 12-20 mA, focal spot 0.5 x 0.5 mm				
3	Other Compulsory conditions:				
a	The bidder must quote the system in such a way that the desired functionality of the equipment is achieved. Bidder must quote items mentioned or not mentioned required to operate this machine to achieve the functionality even if it is mentioned or not mentioned in the specification. If the functionality is not achieved then the machine will be technically rejected during the time of installation.				
b	Bidder and principal company must assure spare parts availability for atleast 10 years.				
c	Supplier must have important spare parts and accessories in stock for minimal downtime. Spare parts and accessories must be available within 24 hours for stock item and within 7 days if not in stock.				
d	Bidder will be completely liable for complete installation of the products.				
e	Demonstration and onsite training of 15 days must be provided to the end user by factory trained personnel.				
f	Supplier must ensure a local trained engineer for prompt service support during warranty period.				
g	Should provide a suitable UPS of 30 minutes or higher backup. The UPS should be of reputed brand.				
4	Standards and Safety Requirements				
4.1	Must submit ISO 9001 or ISO 13485:2003/AC: 2007 AND				
4.2	US FDA or European CE approved product certificate.				
4.3	Valid and proper US FDA or European CE certification must be present. If any confusion regarding the certification is there then the bidder must consult institute for clarification. If proper certification not found bidder will be technically disqualified.				
5	User Training				
5.1	Must provide user training to the users and technical personnel of two weeks (including how to use and maintain the equipment).				
5.2	Must provide advance level service and user training to at least one technical personnel of Electromed Section (including how to use and maintain the equipment).				
6	Warranty				
6.1	Comprehensive warranty for 5 years.				
7	Maintenance Service During Warranty Period				
7.1	The bidder must compulsorily perform 4 periodic preventive maintenance each year during warranty period whose verified service report must be presented during the process of releasing performance bond.				
7.2	During the warranty period supplier must ensure corrective/breakdown maintenance whenever required.				
8	Installation and Commissioning				
8.1	This equipment must be installed in turnkey basis which means institute will only provide site for installation and all required accessories, consumables and other items required to make the machine fully functional must be provided by the bidder.				
8.2	The bidder must arrange for the equipment to be installed and commissioned by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.				

S.N	Purchaser's Specifications	Bidder's Compliance Sheet			
8.3	The installation and demonstration must be done by the factory trained Biomedical Engineer and its certificate must be provided in the bidding documents. Failure to do so may lead in rejection during technical evaluation.				
9	Documentation				
9.1	User (Operating) manual in English				
9.2	Service (Technical / Maintenance) manual in English				
9.3	List of important spare parts and accessories with their part numbers and costing available in stock with the supplier.				
9.4	Certificates of calibration and inspection from the manufacturer				

Bidder must completely fill the Technical Specification Form (TSF). Only Yes/no/all complies should not be written. Page number in the catalogue of all the required parameters must be clearly mentioned and highlighted. Failure in doing so will lead to rejection of bid from technical committee.