BIDDING DOCUMENT

for

THE PROCUREMENT

Of

Oxygen Plant with Filling Station and Oxygen Pipeline Network

Two Envelop Competitive Bidding

Bidding No: SHCC/06/078/079

Stupa Community Hospital

Chuchepati, Chabahil.

Kathmandnu.

Issued on: ..-. 18/10/2021 00:00

Contact No: 01-4917557/558

Email: pmba80@gmail.com

info@stupahealth.org.np

Invitation for Bids

Stupa Health Care Centre Co-operative Limited (SHCC)

Invitation for Bids for the **Oxygen Plant with Filling Station and oxygen pipeline Network**

Date of publication: **18 October 2021**

1. **SHCC** invites sealed bids or electronic bids from Nepalese eligible bidders for the construction of Electrical works under National Competitive Bidding procedures.
2. Eligible Bidders may obtain further information and inspect the Bidding Documents at the office of SHCC Gokarnashwor -5 , Jorpati Kathmandu
3. A complete set of Bidding Documents may be purchased from the office SHCC and the office Gokarnashwor -5 , Kathmandu by eligible Bidders on the submission of a written application, along with the copy of company/firm registration certificate, and upon payment of a non-refundable fee of 5,000 till **31 October *2021*** during office hours.
4. Sealed bids must be submitted to the office SHCC, Jorpati hand on or before 12:00 on 16 November 2021. Bids received after this deadline will be rejected.
5. The bids will be opened in the presence of Bidders' representatives who choose to attend at 16 November, 2021 14:00 Hours at the office of SHCC Jorpati . Bids must be valid for a period of 90 days after bid opening and must be accompanied by a bid security, amounting to a minimum of 2.5 %, which shall be valid for 30 days beyond the validity period of the bid.
6. 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 bid security shall remain the same as specified for the original last date of bid submission.
7. Non submission of the required documents and non-compliance of mandatory requirements as mentioned above may lead to the disqualification of the proposals.
8. The Employer reserves the right to accept or reject, completely or partially any or all the bids without assigning any reasons, whatsoever.

1. BID Preparation and Submission:

1.	Name of the Purchaser: Stupa Hospital, Chuchepati Chabahil.
2.	Identification number of the Contract: SHCC/06/078/79
3.	Project Name: Oxygen Plant with Filling Station with Oxygen Pipeline Network
4.	For clarification purposes only, the purchaser's address is: Attention: Admin Dept Address: Gokarneshwor-05, Jorpati, , Kathmandu, Bagmati Pradesh Nepal. Telephone: 01-4917557/558 Facsimile Number: 9851171297 Electronic Mail Address: pmba80@gmail.com info@stupahealth.org.np
5.	The Bidder shall submit the following document with its Bid: 1. Manufacturer's Authorization Certificate 2. Letter of Bid 3. Product brochures 4. Completed Price Schedule 5. Technical specifications 6. Delivery and Installation Schedule 7. VAT/ PAN Registration 8.Up to date Firm/Company and Business Registration Certificate 9.Tax clearance certificate for FY 2076/077
6.	Alternative Bids are not Permitted
7.	The prices quoted by the bidder shall not be adjustable.
8.	A Manufacturer's Authorization letter is only required for the following items: (i) Oxygen Generator Plant (ii) Oxygen Filling Booster System
9.	The Bidder is required to include with its bid, evidence that it will be represented by an Agent in Nepal.

Bid Data Sheet

A. General	
ITB 1.1	The number of the Invitation for Bids is **SHCC/06/078/079**
ITB 1.1	The Employer is: **Stupa Health Care Centre Co-operative Limited (SHCC)**
ITB 1.1	The number and identification of lots comprising this bidding process is: ***N/A*** ……..
ITB 2.1	The name of the Project is **Oxygen Plant with Filling Station and Oxygen Pipeline Network For Stupa Health Care Centre Co-operative Limited Building.** The implementing agency is: SHCC herself.
ITB 4.1 (a)	Maximum number of partner in a joint venture shall be : ***N/A***
ITB 4.2	Eligible countries: ***Nepal***
B. Bidding Document	
ITB 7.1	For clarification purposes only, the Employer's address is: Attention: Address: Jorpati, Kathmandu Telephone: : 01-4917557/558 Facsimile number: 9851211751 Electronic mail address: info@stupahealth.org.np
ITB 7.4	A Pre-Bid meeting **shall be** held. Presence of bidders in Pre-Bid Meeting is desirable. Take place at the following date, time and place: N/A Date: Time: Place: Kathmandu-06, Chuchepati, Chabahil A site visit ***shall not be*** organized by the Employer but bidders can visit the site any time providing information.
C. Preparation of Bids	
ITB 10.1	The language of the bid is: English / Nepali
ITB 11.1 (b)	In accordance with ITB 12 and ITB 14, the following schedules shall be submitted with the bid, including the priced **Bill of Quantities for Unit Rate Contracts**
ITB 11.1 (i)	The Bidder shall submit with its bid the following additional documents: - Firm /Company Registration - Business Registration license - VAT/PAN registration certificate

	- Tax clearance certificate up to 2076/2077 tax clearance of 2077/78 is desirable. - Power of attorney
ITB 13.6	The prices quoted by the Bidder ***[insert "shall be" or "shall not be"]*** subject to adjustment during the performance of the Contract. **Not Applicable**
ITB 15.1	The bid validity period shall be: ***Ninety (90) days***
ITB 16.1	The Bidder shall furnish a bid security, from Commercial Bank or Financial Institution eligible to issue Bank Guarantee as per prevailing Law with a minimum of 2.5 %, which shall be valid for 30 days beyond the validity period of the bid.
ITB 16.2 (b)	Account Name: Stupa Health Care Center Cooperative Ltd. Bank Name: ICFC Finance Ltd. Bank Address: Boudha Account Number: 00200100061563000001
ITB 17.1	In addition to the original of the bid, the number of copy/ies is/are: Not applicable
ITB 17.2	The written confirmation of authorization to sign on behalf of the Bidder shall indicate: (a) The name and description of the documentation required to demonstrate the authority of the signatory to sign the Bid such as a Power of Attorney;
D. Submission and Opening of Bids	
ITB 18.1	Bidders shall have the option of submitting their bids **by hand**
ITB 19.1	**For bid submission purposes only, the Employer's address is :** Attention: Reception Address: SHCC Office, Gokarnashwor -5 Jorpati . **The deadline for bid submission is :** **Date : 16 November 2021 Time : 12:00 Hours**
ITB 22.1	The bid opening shall take place at : Address : Gokarnashwor -5 **Date : 16 November 2021** **Time : *14:00 hours*(*Time will be allocated in difference of 30 minutes for bidders in different packages)***
E. Evaluation and Comparison of Bids	
ITB 29.5	The amount of the performance security be increased by Eight (8) percent of the quoted bid price.

Letter of Bid

The Bidder must accomplish the Letter of Bid in its letterhead clearly showing the Bidder's complete name and address.

Date: .....

Name of the contract: .....

Invitation for Bid No.: .....

To: …….....

We, the undersigned, declare that:

(a) We have examined and have no reservations to the Bidding Documents, including Addenda issued in accordance with Instructions to Bidders (ITB) Clause 8;
(b) We offer to execute in conformity with the Bidding Documents the following Works:

(c) The total price of our Bid, excluding any discounts offered in item (d) below is: NRs. ……..; or when left blank is the Bid Price indicated in the Bill of Quantities·

(d) The discounts offered and the methodology for their application are:……

(e) Our bid shall be valid for a period of ……..***[insert validity period as specified in ITB 15.1]*** days from the date fixed for the bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;

(f) If our bid is accepted, we commit to obtain a performance security in accordance with the Bidding Document;

(g) Our firm, including any subcontractors or suppliers for any part of the Contract, have nationalities from eligible countries or any countries [insert the nationality of the Bidder, including that of all parties that comprise the Bidder if the Bidder is a consortium or association, and the nationality of each Subcontractor and Supplier];

(h) We, including any subcontractors or suppliers for any part of the contract, do not have any conflict of interest in accordance with ITB 4.3;

(i) We are not participating, as a Bidder or as a subcontractor, in more than one bid in this bidding process in accordance with ITB 4.3;

(j) Our firm, its affiliates or subsidiaries, including any Subcontractors or Suppliers for any part of the contract, has not been declared ineligible, under the Employer's country laws or official regulations or by an act of compliance with a decision of the United Nations Security Council;
(k) We are not a government owned entity/We are a government owned entity but meet the requirements

of ITB 4.5;[1]

(l) We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed;

(m) We declare that, we have not been black listed as per ITB 3.4 and no conflict of interest in the proposed procurement proceedings and we have not been punished for an offense relating to the concerned profession or business.

(n) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive; and

(o) If awarded the contract, the person named below shall act as Contractor's Representative:

(p) We agree to permit the Employer/DP or its representative to inspect our accounts and records and other documents relating to the bid submission and to have them audited by auditors appointed by the Employer.

Name: .....

In the capacity of .....

Signed ……....

Duly authorized to sign the Bid for and on behalf of ……

Date ……....

Bid Security
Bank Guarantee

Bank's Name, and Address of Issuing Branch or Office
(On Letter head of the Commercial Bank or Financial Institution eligible to issue Bank Guarantee as per prevailing Law)

Beneficiary: ..... name and address of Employer …….
Date: ……...
Bid Security No.: .....

We have been informed that . ……. .[insert name of the Bidder] (hereinafter called "the Bidder") intends to submit its bid (hereinafter called "the Bid") to you for the execution of ……..... name of Contract . …… under Invitation for Bids No. …… ("the IFB").

Furthermore, we understand that, according to your conditions, bids must be supported by a bid guarantee.

At the request of the Bidder, we……. . name of Bank. …….. hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of . . ……...amount in figures ……. (. …….. .amount in words …….) upon receipt by us of your first demand in writing accompanied by a written statement stating that the Bidder is in breach of its obligation(s) under the bid conditions, because the Bidder:

(a) has withdrawn or modifies its Bid:

(i) during the period of bid validity specified by the Bidder on the Letter Bid, in case of electronic submission
(ii) from the period twenty-four hours prior to bid submission deadline up to the period of bid validity specified by the Bidder on the Letter of Bid, in case of hard copy submission; or
(b) does not accept the correction of errors in accordance with the Instructions to Bidders (hereinafter "the ITB"); or
(c) having been notified of the acceptance of its Bid by the Employer during the period of bid validity, (i) fails or refuses to execute the Contract Agreement, or (ii) fails or refuses to furnish the performance security, in accordance with the ITB.
(d) is involved in fraud and corruption in accordance with the ITB

This guarantee will remain in force up to and including the date ……number……days after the deadline for submission of Bids as such deadline is stated in the instructions to Bidders or as it may be extended by the Employer, notice of which extension(s) to the Bank is hereby waived. Any demand in respect of this guarantee should reach the Bank not letter than the above date.

This Bank guarantee shall not be withdrawn or released merely upon return of the original guarantee by the Bidder unless notified by you for the release of the guarantee.

This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 758.

. . .Bank's seal and authorized signature(s) . . .

Note:

The bid security of ……..……. has been counter guaranteed by the Bank ……..……... ...…… on ……... ...……..……. (Applicable for Bid Security of Foreign Banks).

Bidder's Information Format

Site Organization

Method Statement

Mobilization Schedule

Construction Schedule

Others

Bidder’s Information

Form ELI - 1: Bidder’s Information Sheet

Bidder's Information	
Bidder's legal name	
Bidder's country of constitution	
Bidder's year of constitution	
Bidder's legal address in country of constitution	
Bidder's authorized representative (name, address, telephone numbers, fax numbers, e-mail address)	
Attached are copies of the following original documents.	

BIDDING DOCUMENT

for

THE PROCUREMENT

Of

Part - I

Oxygen Plant with Filling Station

Bidding No: SHCC/06/078/079

Stupa Community Hospital

Chuchepati, Chabahil.
Kathmandnu.

Issued on: ..-. 18/10/2021 00:00

Contact No: 01-4917557/558
Email: pmba80@gmail.com
info@stupahealth.org.np

2. Technical Specification- Oxygen Generator Plant with filling Station-

The purpose of the Technical Specifications (TS) is to define the technical characteristics of the Goods and Related Services required by the Purchaser. The TS, as a part of the schedule of Requirements (SR), constitute a Contract document and are, therefore, a part of the Contract.

SN	Purchaser's Specification	Bidder's Compliance Sheet		
	Oxygen Generator plant with filling station	Yes/ No	Page no in Catal ogue	Remarks
	Type/Model			
	Country of Origin			
1.	**Description of Function**			
1.1	PSA oxygen plants are designed to operate and meet the demands of high quality, medical-grade oxygen 24 hours/day in hospital/medical settings. The oxygen can also be filled in cylinders through a high-pressure filling booster compressor for emergency back-up and ambulance uses			
2.	**Operational requirements:**			
2.1	Medical oxygen generators with Pressure Swing Adsorption (PSA) technology as reliable source for the generation of continuous medical-grade Oxygen for all medical needs.			
3	**System Configuration:**			
3.1	The plant consists of Screw type Air Compressor, refrigerated air dryer, Air receiver tank, Oxygen buffer tank, a series of modules of two adsorption vessels, micron filters, activated carbon filter, bacteria filter, flowmeter, controls etc.			
3.2	The plant should be a continuous automatic operation consisting of one independent Oxygen generating plant.			
3.3	The Oxygen Generation plant should be fully skid mounted, Capable of continuously producing15Nm3/hr.at93±3%oxygen purity and at 5 bar outlet pressure at altitude where it will be installed and ambient temperature conditions of 5°C to 40°C, Relative humidity max.80%.			

4	**Technical Specifications**			
A	**PSA Oxygen Generator:**			
4.1	Oxygen generator shall operate on (PSA) Pressure Swing Adsorption Principe with series of modules of two adsorption vessels			
4.2	Must be heavy duty medical Oxygen gas generators plant able to operate to work 24/365 days			
4.3	It must have non-corrosive materials only, like aluminum and stainless steel. as standard for all process components			
4.4	Should generate oxygen purity 93% ±3%			
4.5	PSA oxygen Generator capacity should be not less than 15 Nm3/hr up to 5 bar outlet pressure.			
4.6	Capacity of Generator: ≥ 50 Cylinder per day capacity (cylinder: water capacity approx.: 40L D Type Jumbo).			
4.7	Oxygen sensor should be Zirconium oxide Sensor.			
4.8	Should have pressure dew point -40°C or less			
4.9	The valves must be non-lubricating type.			
4.10	Adsorbent material must be of highest quality, long-life molecular sieve [Zeolite] with industry leading energy air factors.			
4.11	Oxygen generator must be according to standards of ISO 13485: 2016 standards.			
B	**Monitoring & Controls**			
4.12	It should have HMI display with control from PLC			
4.13	It should have inbuilt oxygen monitor.			
4.14	It should be supplied with suitable online UPS for oxygen generator min. 15 min back up.			
4.15	HMI should show discharge air pressure, Operating hours, Oxygen Purity, control settings, error code(Alarms) etc.			
C	**Air tank**			
4.16	It should have one Air Tank made of Mild Steel.			
4.17	Minimum holding capacity 1000L (tested to			

	min. 10 Bar) with inlet and outlet valves, safety valve, pressure gauge and auto-drain valve			
4.18	Air tanks should be manufactured by original oxygen generator manufacturer only.			
D	**Oxygen Buffer Tank**			
4.19	It should have Oxygen Buffer Tank made of Mild Steel			
4.20	Minimum holding capacity 2000 L (tested to 10 Bar) with inlet and outlet valves, safety valve, pressure gauge			
4.21	Oxygen Buffer Tanks should be manufactured by original oxygen generator manufacturer only.			
E	**Air Compressor**			
4.22	It should be Rotary Screw type and Air-Cooled air compressor of motor capacity not more than 37 Kw per altitude.			
4.23	Model and motor capacity to be mentioned in the bid.			
4.24	Built-in Oil Separator and Air Filter.			
4.25	Noise Level Should < 75 dB			
4.26	Filled lubricating oil should be Mineral Oil			
4.27	It should have Digital Display indicating Failure, LCD display, Records at least 24 hrs' operation data.			
4.28	It should have automatic safety shutdown for Main Motor overload Inverter trip(For Motor overload)			
4.29	Should feature an automatic restart after power failure function.			
4.30	Digital control should show discharge air pressure, Operating hours Discharge, air temperature, Control settings, Unload counter, Load factor, Error code etc.			
F	**Air Dryer**			
4.31	There should be refrigerant type 300 CFM capacity air dryer,			
4.32	Micro Processor based.			
4.33	Should have pressure dew point of ±3°C or less.			
4.34	It should be with level sensing auto drain valve,			

	Integral Heat Exchanger, Eco Friendly Gas only.			
4.35	There should a bypass arrangement in air dryer.			
4.36	The refrigeration compressed air dryers, dry the air to prevent condensation and corrosion damage.			
4.37	The dryers in a robust metal housing should be equipped with an electronic level-controlled condensate drain and a dewpoint indicator.			
4.38	The aluminum heat exchanger should include three functions in one: air-to-air hear exchanger, refrigerant-to-air heat exchanger and water separator			
G	**Filtration System:**			
4.39	Should have four stage filtrations to remove condensates, dust, outdoors and other impurities in the compressor of air			
4.40	Should have high class process filter to fit to insure inlet and outlet gas quality			
4.41	It should consist of: 1. 1 no. of Coal Tower made of mild steel for oil removal from dry air. 2. 1no. of Pre filter for filtration level up to 1 micron with auto-drain. 3. 2 nos. of Micron filter of 0.01-micorn level with auto-drain. 4. 1no. Bacterial /Sterile Filter.			
4.42	Should have pressure: 12 bar or more			
4.43	Air quality after air dryer and filters should meet the ISO 8573.1:2010 Dew point +3°C, Filtration Grade 0.01 micron.			
H	**Oxygen Filling Booster System**			
4.44	Oxygen Cylinder Filling System to fill from the hospital pipeline			
4.45	Oxygen cylinders can be filled simultaneously or during hours with low consumption. Used for filling cylinders of any size up to 150 bar			
4.46	The filling capacity should be approx. 48 cylinders per day (cylinder: water capacity approx.. 40L). It should be Skid Mounted.			
4.47	Inlet pressure- 4 bar			

	Filling pressure – up to 150 bar Filling Per day- approx. 48 cylinder per day (cylinder: water capacity approx. 40L). Oil free, Air Operated, Flame Proof booster pumps, Hp flexible hoses. Fully automatic .			
4.48	It should have Filling station arrangement for min. 3 cylinders x 2 nos. having inlet valve, check valves, outlet valve, purge valve, pressure gauges and safety valve and system build-up.			
I	**Main Electrical Control Panel**			
4.49	Electric Control Panel consisting of all the MCCB's, MCB's, PLC for automatic operation, HMI for display of process, Switch gear, Control switches, protection			
4.50	All operations of PSA Oxygen plant except air compressor should from main control panel. Audio/Visual alarms for any fault. Emergency stop switch			
4.51	High Air temperature, Low Purity, Low Discharge pressure, Low dryness protection and should give alarm. All Drawings of panel should provide.			
J	**Automatic Changeover System**			
4.52	Automatic changeover system for supply of oxygen through plant and centralized manifold system must be provided			
4.53	If plants should fail to operate, automatically oxygen should be supplied thorough the manifold system.			
4.54	If plants fail to provide desired output pressure, in that case also oxygen should be supplied through the manifold system.			
K	**Quality Standards**			
4.55	Oxygen generation system must be ISO certified			
5	**Operational Condition:**			
5.1	The system offered should be designed to operate normally under the conditions of			

	purchaser's country's specific place. The conditions include Power supply, Climate, temperature, relative humidity, altitude-etc.			
6	**Standards and Safety Requirement:**			
6.1	Bidder must submit the valid quality and standard certificates as asked in technical specifications along with bid documents.			
7	**Accessories, spares and Consumables**			
7.1	All the standard accessories, consumables and parts required to operate the equipment, including all standard tools, cleaning and lubricant materials to be included in the offer.			
8	**User Training:**			
8.1	Must provide user training (including how to use and maintain the equipment)			
9	**Warranty:**			
9.1	Comprehensive warranty for 1 years except consumables from the date of installation			
10	**Maintenance Service During Warranty Period**			
10.1	During the warranty period supplier must ensure planned preventative maintenance (PPM) along with corrective/breakdown maintenance whenever required.			
11	**Installation and Commissioning**			
11.1	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.			
12	**Documentation**			
12.1	**Authorization:** A valid manufacturer can only bid. We can purchase equipment directly from manufacture. No authorization is permitted. All the equipment's of PSA Oxygen Generator i.e. main generator, air tanks, and oxygen tank and coal tower should be manufactured by original oxygen generator manufacturer only.			
12.2	The bidder should submit the original brochure or e-copy for each and every equipment and accessories.			

12.3	User (Operating) manual in English.			
12.4	Service (Technical / Maintenance) manual in English.			

3. Price Schedule for Goods:

1 Electrical machinery apparatus equipment and consumables						
Procurement Item's Details						
SL. No	Item Description	Country of Origin	Quantity	Unit price (in NRs)		Total price (in NRs)
				In Figure	In Words	
1	Medical oxygen generators with Pressure Swing Adsorption (PSA) technology as reliable source for the generation of continuous medical- grade Oxygen for all medical needs, The plant consists of Screw type Air Compressor, Refrigerated air dryer, Air receiver tank, Oxygen buffer tank, a series of modules of two adsorption vessels, micron filters, activated carbon filter, bacteria filter, flowmeter, controls etc, The Oxygen Generation plant should be fully skid mounted, capable of continuously producing 15 Nm3/hr. at 93±3% oxygen purity and at 5 bar outlet pressure at altitude where it will be installed and ambient temperature conditions of 5°C to 40° C, Relative humidity max. 80%. Capacity of generator 50 cylinder per day (cylinder: water capacity approx.40L), Adsorbent material must be of highest quality, long-life molecular sieve [ZEOLITE] with industry leading energy air factors, Oxygen Generator must be according to standards of ISO standards, supplied with suitable online UPS for oxygen generator min.15 min back-up. Monitoring & Controls- display control with text display, numeric keys and alarm indications. Air Tank- made of Carbon Sleet having food grade epoxy coating or equivalent, Min. holding capacity 600 L (tested to min. 8 Bar) Oxygen Buffer Tank- made of Mild Sleet having food grade epoxy coating or equivalent, Min. holding capacity 600 L (tested to min. 8 Bar). Oxygen Generator Plant should be installed and delivered in operating condition.		1.0			

SL. No	Item Description	Country of Origin	Quantity	Unit price (in NRs)		Total price (in NRs)
				In Figure	In Words	
2	Oxygen Cylinder Filling System to fill from the hospital pipeline directly and use the filling ramp as a backup system, Oxygen cylinders can be filled simultaneously or during hours with low consumption, filling cylinders of any size up to 150 bar and flow rate of 15 Nm3/hr, Filling Per day approx. 50 cylinder per day(cylinder: water capacity approx.40L), Oil free, reciprocating system, HP flexible hoses, It should be Skid Mounted, should have Filling station ramp for min. 3 cylinders x 2 nos., fully comply with ISO & CE and certificate should be provided. Oxygen Filling Booster System should be installed and delivered in operating condition.		1.0			
3	Installation and commissioning charge Shall be paid locally on local currency		1.0			

4. List of Goods and Related Services

The purpose of the List of Goods and Related Services (LGRS) is to briefly describe and specify the quantities of each of the Goods and Related Services that the Purchaser requires the Bidder to include in its Bid.If the Goods and Related Services are grouped in lots, the Purchaser must state here whether Bidders are permitted to submit Bids for individual lots or not.

Purchasing Item Details			
SL. No	Item Description	Unit of Measurement	Quantity
1	Medical oxygen generators with Pressure Swing Adsorption (PSA) technology as reliable source for the generation of continuous medical-grade Oxygen for all medical needs, The plant consists of Screw type Air Compressor, Refrigerated air dryer, Air receiver tank, Oxygen buffer tank, a series of modules of two adsorption vessels, micron filters, activated carbon filter, bacteria filter, flowmeter, controls etc, The Oxygen Generation plant should be fully skid mounted, capable of continuously producing 15 Nm3/hr. at 93±3% oxygen purity and at 5 bar outlet pressure at altitude where it will be installed and ambient temperature conditions of 5°C to 40°C, Relative humidity max. 80%. Capacity of generator50 cylinder per day (cylinder: water capacity approx.40L), Adsorbent material must be of highest quality, long-life molecular sieve [ZEOLITE] with industry leading energy air factors, Oxygen Generator must be according to standards of ISO standards, supplied with suitable online UPS for oxygen generator min.15 min back-up. Monitoring & Controls- display control with text display, numeric keys and alarm indications. Air Tank- made of Carbon Steel having food grade epoxy coating or equivalent, Min. holding capacity 600 L (tested to min. 8 Bar) Oxygen Buffer Tank- made of Mild Steel having food grade epoxy coating or equivalent, Min. holding capacity 600 L (tested to min. 8 Bar). Oxygen Generator Plant should be installed and delivered in operating condition.	No.	1.0
2	Oxygen Cylinder Filling System to fill from the hospital pipeline directly and use the filling ramp as a backup system, Oxygen cylinders can be filled simultaneously or during hours with low consumption, filling cylinders of any size up to 150 bar and flow rate of 10 Nm3/hr, Filling Per day approx. 50 cylinder per day(cylinder: water capacity approx.40L), Oil free, reciprocating system, HP flexible hoses, It should be Skid Mounted, should have Filling station ramp for min. 3 cylinders x 2 nos., fully comply with ISO & CE and certificate should be provided. Oxygen Filling Booster System should be installed and delivered in operating condition.	No.	1.0

5. Delivery and Completion Schedule

Delivery shall take place in compliance with the dates, duration, and locations indicated below:

1 Electrical machinery apparatus equipment and consumables					
SL. No	Description of Goods	Destination	Earliest Delivery Date	Acceptable Delivery Date	Bidder's offered Delivery
1	Medical oxygen generators with Pressure Swing Adsorption (PSA) technology as reliable source for the generation of continuous medical-grade Oxygen for all medical needs, The plant consists of Screw type Air Compressor, refrigerated air dryer, Air receiver tank, Oxygen buffer tank, a series of modules of two adsorption vessels, micron filters, activated carbon filter, bacteria filter, flowmeter, controls etc. The Oxygen Generation plant should be fully skid mounted, capable of continuously producing 15 Nm3/hr at 93±3% oxygen purity and at 5 bar outlet pressure at altitude where it will be installed and ambient temperature conditions of 5°C to 40°C, Relative humidity max. 80%. Capacity of generator 50 cylinder per day (cylinder: water capacity approx. 40L), Adsorbent material must be of highest quality, long-life molecular sieve [ZEOLITE] with industry leading energy air factors, Oxygen Generator must be according to standards of ISO standards, supplied with suitable online UPS for oxygen generator min.15 min back-up. Monitoring & Controls- display control with text display, numeric keys and alarm indications. Air Tank- made of Carbon Sleet having food grade epoxy coating or equivalent, Min. holding capacity 600 L (tested to min. 8 Bar) Oxygen Buffer Tank- made of Mild Steel having food grade epoxy coating or equivalent, Min. holding capacity 600 L (tested to min. 8 Bar), the system having 3 years of comprehensive warranty. Oxygen Generator Plant should be installed and delivered in operating condition.	Stupa Hospital,Chuchepati, Chabahil, Kathmandu			

SL. No	Description of Goods	Destination	Earliest Delivery Date	Acceptable Delivery Date	Bidder's offered Delivery
2	Oxygen Cylinder Filling System to fill from the hospital pipeline directly and use the filling ramp as a backup system, Oxygen cylinders can be filled simultaneously or during hours with low consumption, filling cylinders of any size up to 150 bar and flow rate of 15 Nm3/hr, Filling Per day approx. 50 cylinder per day(cylinder: water capacity approx.40L), Oil free, reciprocating system, HP flexible hoses, It should be Skid Mounted, should have Filling station ramp for min. 3 cylinders x 2 nos., fully comply with ISO & CE and certificate should be provided, the system having 3 years of comprehensive warranty .Oxygen Filling Booster System should be installed and delivered in operating condition.	Stupa Hospital, Chuchepati, Chabahil, Kathmandu			

6. Payment Schedule

The payment for the plant shall be as per the irrevocable L/C method under the following milestone of progress on work.

S.N.	Milestone Name	Payment Percentage
1.	**Advance payment against PO**- shall furnish the PI/VAT bill along with the insurance policy blank covering road risk of goods.	40
2.	**Delivery to the Site**- Original and two copies of delivery sheet/goods receipt notes issued by the beneficiary and duly stamped and signed by authorized signatory on behalf of the applicant stating that the goods are received in good condition and as per the commercial invoice/tax invoice/photocopy of VAT bill to be presented.	50
3.	**Installation and Commissioning:** Complete installation, trail operation, full phase operation with training to the employees of the hospital designated for the plant operation task.	10

BIDDING DOCUMENT

for

THE PROCUREMENT

Of

Part - II

Oxygen Pipeline Network

Bidding No: SHCC/06/078/079

Stupa Community Hospital

Chuchepati, Chabahil.
Kathmandnu.

Issued on: ..-. 18/10/2021 00:00

Contact No: 01-4917557/558
Email: pmba80@gmail.com
info@stupahealth.org.np

1. **Technical Specification- Oxygen Pipeline:**

The purpose of the Technical Specifications (TS) is to define the technical characteristics of the Goods and Related Services required by the Purchaser. The TS, as a part of the schedule of Requirements (SR), constitute a Contract document and are, therefore, a part of the Contract:

S.NO	*DESCRIPTION*	*Brand*	*QUANTITY*	*UNIT*
A.	**Control Panel and Associated Goods**			
1	Oxygen control panel automatic	MPS, Active, JK	2	Set
2	10x10 manifold set with NRV and tail pipe	MPS, Active, JK	2	Set
3	air compressor oil free 5HP	Ingersoll, Anestawaata , Hitachi	2	Set compressor with meter
4	air receiver tank 500 liter	NA	1	Nos
5	vacuum compressor 5HP	Ingersoll, Anestawaata , Hitachi	2	with motor
6	vacuum tank 1000 liter	NA	1	Set
7	vacuum compressor control panel	NA	1	Set
8	Air compressor control panel	NA	1	Set
B	**COPPER PIPE**			
1	35mm pipe 2mm thickness	Mexflo	40	meter
2	28mm pipe 1.5mm thickness	Mexflo	100	meter
3	35mm isolation valve	MPS, JK Aktiv	2	pcs
4	28mm isolation valve	MPS, JK Aktiv	4	pcs
5	copper fittings (elbow, tee, reducer, socket)	MPS, JK Aktiv	1	LOT
6	saddle	MPS, JK Aktiv	1	LOT
C	**GROUND FLOOR**			
1	22mm pipe 1.2mm thickness	Mexflo	105	metre
2	15mm pipe 0.9mm thickness	Mexflo	25	meter
3	12mm pipe 0.7mm thickness	Mexflo	65	metre
4	Zonal box	MPS, JK Aktiv	1	set (3 gas system)
5	12 mm isolation valve	MPS, JK Aktiv	20	pcs
6	2000 ml vacuum jar	MPS, JK Aktiv	10	set
7	BPC flow meter	MPS, JK Aktiv	10	set
8	air probe	MPS, JK Aktiv	10	pcs
9	Bed head service (Console vacuum, oxygen, power Socket 2pc, utility basket, nursing call) height 3 feet	MPS, JK Aktiv	10	set

D	SECOND FLOOR			
1	22mm pipe 1.2 mm thickness	Mexflo	350	meter
2	15mm pipe 0.9 mm thickness	Mexflo	25	metre
3	12 mm pipe 0.7mm thickness	Mexflo	90	meter
4	Zonal box	MPS, JK Aktiv	4	set (3 gas system)
5	12 mm isolation valve	MPS, JK Aktiv	34	pcs
6	Vacuum jar 2000ml	MPS, JK Aktiv	17	pcs
7	BPC flowmeter	MPS, JK Aktiv	17	pcs
8	Air probe	MPS, JK Aktiv	17	pcs
9	Bed head service Console (vacuum, oxygen, power Socket 2pc, utility basket, nursing call - Height 3 feet	MPS, JK Aktiv	17	set
10	OT single arm pendent Movable Ceiling Pendants (8 out let--- oxygen-2, vaccun-2, Air --2, nitrous oxide-2)height 3 Feet	MPS, JK Aktiv	4	set (4 gases)
	Note Nitrous oxide pipe Extra			
E	**THIRD FLOOR**			
1	22mm pipe 1.2 mm thickness	Mexflo	200	meter
2	15mm pipe 0.9 mm thickness	Mexflo	25	meter
3	12 mm pipe 0.7mm thickness	Mexflo	120	meter
4	zonal box 2 gases	MPS, JK Aktiv	7	set
5	12 mm isolation valve	MPS, JK Aktiv	40	pcs
6	2000ml vacuum jar with probe	MPS, JK Aktiv	40	set
7	BPC flowmeter with probe	MPS, JK Aktiv	40	set
8	Oxygen Gas out let	MPS, JK Aktiv	40	set
9	vacuum outlet	MPS, JK Aktiv	40	set
F	**FOURTH FLOOR**			
1	22mm pipe 1.2 mm thickness	Mexflo	200	meter
2	15 mm pipe 0.9 mm thickness	Mexflo	25	meter
3	12mm pipe 0.7mm thickness	Mexflo	120	meter
4	zonal box 2 gases	MPS, JK Aktiv	7	set
5	12mm isolation valve	MPS, JK Aktiv	40	pcs
6	2000ml vacuum jar with probe	MPS, JK Aktiv	40	set
7	BPC flowmeter with probe	MPS, JK Aktiv	40	set
8	Oxygen Gas out let	MPS, JK Aktiv	40	set
9	vacuum out let	MPS, JK Aktiv	40	set
G	**FIFTH FLOOR**			
1	22mm pipe 1.2 mm thickness	Mexflo	182	meter
2	15 mm pipe 0.9 mm thickness	Mexflo	25	meter
3	12mm pipe 0.7mm thickness	Mexflo	78	meter

4	zonal box 2 gases	MPS, JK Aktiv	1	set
5	12mm isolation valve	MPS, JK Aktiv	20	pcs
6	1000 ml vacuum jar with probe	MPS, JK Aktiv	25	set
7	BPC flow meter with probe	MPS, JK Aktiv	26	set
8	Bed head service Console vacuum, oxygen, power Socket 2pc, utility basket, nursing call	MPS, JK Aktiv	26	set
9	**Emergency supply System**	MPS, JK Aktiv	1	Set (4 cylinder)

NOTE:

1. All copper pipe should be medical graded.
2. Lloyd Certificate is mandatory
3. CE mark shall be compulsory

2. **Price Schedule for Goods:**

S.N	*ITEM DESCRIPTION*	*QUANTITY*	*UNIT*	*Brand*	*Unit Price (in NRs)*		*Total Price (in NRs)*
					In Figure	*In Words*	
A.	**Control Panel and Associated Goods**						
1	Oxygen control panel automatic	2	Set	MPS, Active, JK			
2	10x10 manifold set with NRV and tail pipe	2	Set	MPS, Active, JK			
3	air compressor oil free 5HP	2	Set	Ingersoll, Anestawaata, Hitachi			
4	air receiver tank 500 liter	1	Nos	NA			
5	vacuum compressor 5HP	2	with motor	Ingersoll, Anestawaata, Hitachi			
6	vacuum tank 1000 liter	1	Set	NA			
7	Air compressor control panel	1	Set	NA			
8	vacuum compressor control panel	1	Set	NA			
B	**COPPER PIPE**						
1	35mm pipe 2mm thickness	40	meter	Mexflo			
2	28mm pipe 1.5mm thickness	100	meter	Mexflo			
3	35mm isolation valve	2	pcs	MPS, JK Aktiv			
4	28mm isolation valve	4	pcs	MPS, JK Aktiv			
5	copper fittings (elbow, tee, reducer, socket)	1	LOT	MPS, JK Aktiv			
6	saddle	1	LOT	MPS, JK Aktiv			

C	**GROUND FLOOR**						
1	22mm pipe 1.2mm thickness	105	meter	Mexflo			
2	15mm pipe 0.9mm thickness	25	meter	Mexflo			
3	12mm pipe 0.7mm thickness	65	meter	Mexflo			
4	Zonal box	1	set (3 gas system)	MPS, JK Aktiv			
5	12 mm isolation valve	20	pcs	MPS, JK Aktiv			
6	2000 ml vacuum jar	10	set	MPS, JK Aktiv,Pahsco			
7	BPC flow metre	10	set	MPS, JK Aktiv,Pahsco			
8	air probe	10	pcs	MPS, JK Aktiv,Pahsco			
9	Bed head service (Console Vaccum, oxygen, power Socket 2pc, utility basket, nursing call) height 3 feet	10	set	MPS, JK Aktiv,Pahsco			
D	**SECOND FLOOR**						
1	22mm pipe 1.2 mm thickness	350	meter	Mexflo			
2	15mm pipe 0.9 mm thickness	25	meter	Mexflo			
3	12 mm pipe 0.7mm thickness	90	meter	Mexflo			
4	Zonal box	4	set (3 gas system)	MPS, JK Aktiv			
5	12 mm isolation valve	34	pcs	MPS, JK Aktiv			
6	Vacuum jar 2000ml	17	pcs	MPS, JK Aktiv,Pahsco			

7	BPC flowmeter	17	pcs	MPS, JK Aktiv,Pahsco			
8	Air probe	17	pcs	MPS, JK Aktiv,Pahsco			
9	Bed head service Console (Vaccum, oxygen, power Socket 2pc, utility basket, nursing call - Height 3 feet	17	set	MPS, JK Aktiv,Pahsco			
10	OT single arm pendent Movable Ceiling Pendants (8 out let---oxygen-2, vaccun-2, Air --2, nitrous oxide-2)height 3 Feet	4	set (4 gases)	MPS, JK Aktiv			
E	**THIRD FLOOR**						
1	22mm pipe 1.2 mm thickness	200	meter	Mexflo			
2	15mm pipe 0.9 mm thickness	25	meter	Mexflo			
3	12 mm pipe 0.7mm thickness	120	meter	Mexflo			
4	zonal box 2 gases	7	set	MPS, JK Aktiv			
5	12 mm isolation valve	40	pcs	MPS, JK Aktiv			
6	2000ml vaccum jar with probe	40	set	MPS, JK Aktiv,Pahsco			
7	BPC flowmeter with probe	40	set	MPS, JK Aktiv,Pahsco			
8	Oxygen Gas out let	40	set	MPS, JK Aktiv,Pahsco			
9	Vaccum out let	40	set	MPS, JK Aktiv,Pahsco			
F	**FOURTH FLOOR**						
1	22mm pipe 1.2 mm thickness	200	meter	Mexflo			
2	15 mm pipe 0.9 mm thickness	25	meter	Mexflo			
3	12mm pipe 0.7mm thickness	120	meter	Mexflo			
4	zonal box 2 gases	7	set	MPS, JK Aktiv			

5	12mm isolation valve	40	pcs	MPS, JK Aktiv			
6	2000ml vacuum jar with probe	40	set	MPS, JK Aktiv,Pahsco			
7	BPC flowmeter with probe	40	set	MPS, JK Aktiv,Pahsco			
8	Oxygen Gas out let	40	set	MPS, JK Aktiv,Pahsco			
9	Vaccum out let	40	set	MPS, JK Aktiv,Pahsco			
G	**FIFTH FLOOR**						
1	22mm pipe 1.2 mm thickness	182	meter	Mexflo			
2	15 mm pipe 0.9 mm thickness	25	meter	Mexflo			
3	12mm pipe 0.7mm thickness	78	meter	Mexflo			
4	zonal box 2 gases	1	set	MPS, JK Aktiv			
5	12mm isolation valve	20	pcs	MPS, JK Aktiv			
6	1000 ml vacuum jar with probe	25	set	MPS, JK Aktiv,Pahsco			
7	BPC flow meter with probe	26	set	MPS, JK Aktiv,Pahsco			
8	Bed head service Console vacuum, oxygen, power Socket 2pc, utility basket, nursing call	26	Set	MPS, JK Aktiv,Pahsco			
9	Emergency supply System	1	Set (4 cylinder)	MPS, JK Aktiv,Pahsco			

3. **Delivery and Completion Schedule:**

Delivery shall take place in compliance with the dates, duration, and locations indicated below:

S. N.	DESCRIPTION	Quantity	Destination	Earliest Delivery Date	Acceptable delivery Date	Bidder's Offered Delivery
A.	**Control Panel and Associated Goods**					
1	Oxygen control panel automatic	2	Stupa Hospital Chuchepati, Chabahil Kathmandu			
2	10x10 manifold set with NRV and tail pipe	2				
3	air compressor oil free 5HP	2				
4	air receiver tank 500 liter	1				
5	vacuum compressor 5HP	2				
6	vacuum tank 1000 liter	1				
7	vacuum compressorcontrol panel	1				
B	**COPPER PIPE**					
1	35mm pipe 2mm thickness	40				
2	28mm pipe 1.5mm thickness	100				
3	35mm isolation valve	2				
4	28mm isolation valve	4				
5	copper fittings KITE mark	1				
6	Saddle	1				
C.	**GROUND FLOOR**					
1	22mm pipe 1.2mm thickness	105				
2	15mm pipe 0.9mm thickness	25				
3	12mm pipe 0.7mm thickness	65				
4	Zonal box	1				
5	12 mm isolation valve	20				
6	2000 ml vacuum jar	10				
7	BPC flow meter	10				
8	air probe	10				
9	Bed head service (Consolevacuum, oxygen, power Socket 2pc, utility basket, nursing call) height 3 feet	10				

D.	**SECOND FLOOR**		Stupa Hospital Chuchepati, Chabahil Kathmandu			
1	22mm pipe 1.2 mm thickness	350				
2	15mm pipe 0.9 mm thickness	25				
3	12 mm pipe 0.7mm thickness	90				
4	Zonal box	4				
5	12 mm isolation valve	34				
6	Vacuum jar 2000ml	17				
7	BPC flowmeter	17				
8	Air probe	17				
9	Bed head service Console (vacuum, oxygen, power Socket 2pc, utility basket, nursing call - Height 3 feet	17				
10	OT single arm pendent Movable Ceiling Pendants (8 out let--- oxygen-2, vaccun-2, Air --2, nitrous oxide-2)height 3 Feet	4				
E.	**THIRD FLOOR**					
1	22mm pipe 1.2 mm thickness	200				
2	15mm pipe 0.9 mm thickness	25				
3	12 mm pipe 0.7mm thickness	120				
4	zonal box 2 gases	7				
5	12 mm isolation valve	40				
6	2000ml vacuum jar with probe	40				
7	BPC flowmeter with probe	40				
8	Oxygen Gas outlet	40				
9	vacuum outlet	40				
F.	**FOURTH FLOOR**					
1	22mm pipe 1.2 mm thickness	200				
2	15 mm pipe 0.9 mm thickness	25				
3	12mm pipe 0.7mm thickness	120				
4	zonal box 2 gases	7				
5	12mm isolation valve	40				
6	2000ml vacuum jar with probe	40				
7	BPC flowmeter with probe	40				
8	Oxygen Gas outlet	40				
9	vacuum outlet	40				
G	**FIFTH FLOOR**					
1	22mm pipe 1.2 mm thickness	182				
2	15 mm pipe 0.9 mm thickness	25				
3	12mm pipe 0.7mm thickness	78				

4	zonal box 2 gases	1				
5	12mm isolation valve	20				
6	1000 ml vacuum jar with probe	25				
7	BPC flow meter with probe	26				
8	Bed head service Console vacuum, oxygen, power Socket 2pc, utility basket, nursing call	26				
9	**Emergency supply System**	1				

4. Payment Schedule:

The payment for the pipeline network shall be as per the following milestone of progress on work.

S.N.	Milestone Name	Payment Percentage
1.	**Advance payment against PO**- shall furnish the invoice	40
2.	**Delivery to the Site**- Original and two copies of delivery sheet/goods receipt notes issued by the beneficiary and duly stamped and signed by authorized signatory on behalf of the bidder stating that the goods are received in good condition and as per the commercial invoice/tax invoice/photocopy of VAT bill to be presented.	50
3.	**Installation and Commissioning:** Complete installation, trail operation, full phase operation with training to the employee of the hospital designated for the same.	10

Contract Agreement

THIS AGREEMENT made the .....day of……between…… …… name of the Employer ***……...(hereinafter "the Employer"),*** of the one part, and …… ……name of the Contractor ……(hereinafter "the Contractor"), of the other part:

WHEREAS the Employer desires that the Works known as …….... name of the Contract .....should be executed by the Contractor, and has accepted a Bid by the Contractor for the execution and completion of these Works and the remedying of any defects in the sum of NRs ***…..……... [insert amount of contract price in words and figures including taxes]*** (hereinafter "the Contract Price").

The Employer and the Contractor agree as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Contract documents referred to.

2. The following documents shall be deemed to form and be read and construed as part of this Agreement. This Agreement shall prevail over all other Contract documents.
   (a) the Letter of Acceptance;
   (b) the Letters of Bid;
   (c) the Addenda Nos ..... **Insert addenda numbers if any** ……
   (d) the Special Conditions of Contract;
   (e) the List of Eligible Countries that was specified in Section V of the bidding document,
   (f) the General Conditions of Contract;
   (g) the Specification;
   (h) the Drawings;
   (i) Bill of Quantities (or Schedules of Prices for lump sum contracts), and

3. In consideration of the payments to be made by the Employer to the Contractor as indicated in this Agreement, the Contractor hereby covenants with the Employer to execute the Works and to remedy defects therein in conformity in all respects with the provisions of the Contract.

4. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of Nepal on the day, month and year indicated above.

Signed by …….
for and on behalf the Contractor in the presence of

Performance Security

(On letterhead paper of the Commercial Bank or Financial Institution eligible to issue Bank Guarantee as per prevailing Law)

..... ***Bank's Name, and Address of Issuing Branch or Office*** .....
Beneficiary: ..... Name and Address of Employer …….....
Date: .....

Performance Guarantee No.…….

We have been informed that ... ... ***[insert name of the Contractor]*** (hereinafter called "the Contractor") has been notified by you to sign the Contract No. ……... ***[insert reference number of the Contract]*** for the execution of ……. ***[insert name of contract and brief description of Works]*** (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, a performance guarantee is required.

At the request of the Contractor, we..…. ***[insert name of the Bank]*** hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of .....***[insert name of the currency and amount in figures*] (…..... insert amount in words)*** such sum being payable in Nepalese Rupees, upon receipt by us of your first demand in writing accompanied by a written statement stating that the Contractor is in breach of its obligation(s) under the Contract, without your needing to prove or to show grounds for your demand or the sum specified therein.

This guarantee shall expire, no later than the……. Day of …… **, and any demand for payment under it must be received by us at this office on or before that date.

……

Seal of Bank and Signature(s)

Advance Payment Security

(On letterhead paper of the Commercial Bank or Financial Institution eligible to issue Bank Guarantee as per prevailing Law)

…….. Bank's Name, and Address of Issuing Branch or Office.....

Beneficiary: ……***Name and address of employer***

Date : ……

Advance Payment Guarantee No……..

We have been informed that ……has entered into Contract No. ..... ***Name and Address of Employer***……***name of the Contractor***……(hereinafter called "the Contractor")..reference number of the Contract……dated …… with you, for the execution of ...contract and brief description of Works ……. (herein after called "the Contract").

Furthermore, we understand that, according to the Conditions of the Contract, an advance payment in the sum……. name of the currency and amount in figures****…(.... amount in words .....)*** is to be made against an advance payment guarantee.

At the request of the Contractor, we... ..... . ***Name of the Bank*** ……. hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of…….name of the currency and amount in figures****... .....(…… amount in words ..... .)*** upon receipt by us of your first demand in writing accompanied by a written statement stating that the Contractor is in breach of its obligation under the Contract because the Contractor used the advance payment for purposes other than the costs of mobilization in respect of the Works.

The maximum amount of this guarantee shall be progressively reduced by the amount of the advance payment repaid by the Contractor as indicated in copies of interim statements or payment certificates which shall be presented to us. This guarantee shall expire, at the latest, upon our receipt of a copy of the interim payment certificate indicating that eighty (80) percent of the Contract Price has been certified for payment, or on the ..... day of .....**, whichever is earlier. Consequently, any demand for payment under this guarantee must be received by us at this office on or before that date.

……

Seal of Bank and Signature(s)