



‘थाहा नगर विकासको आधार, कृषि, पर्यटन र पूर्वाधार’

☎ ०५७-४०००५६
०५७-४०००६६
०५७-४०००८६

थाहा नगरपालिका

नगर कार्यपालिकाको कार्यालय

ईन्द्रायणी चौर, मकवानपुर

बागमती प्रदेश, नेपाल



पत्र संख्या:

चलानी नम्बर:

मिति : २०७९/०३/३१

स्पष्ट पारिएको सम्बन्धमा ।

यस थाहा नगरपालिका कार्यालयको आर्थिक वर्ष २०७८/०७९ को वार्षिक स्वीकृत कार्यक्रम अनुसार अक्सिजन प्लान्ट खरिदका लागि मिति २०७८ वैशाख १२ गते सार्वजनिक खरिद ऐन तथा नियमावली बमोजिम नयाँ पत्रिका राष्ट्रिय दैनिकमा Supply Delivery Installation of Oxygen generation plant of 10nm3/hr को बोलपत्र आह्वान भई खरिद प्रक्रिया अघि बढाइएको सम्बन्धमा केही सञ्चार माध्यममा विभिन्न कोणबाट प्रकाशन/प्रशारण भएको समाचारप्रति हाम्रो ध्यानाकर्षण भएको छ ।

सञ्चार माध्यमहरूमा आएको समाचारमा उल्लेख भए भैं अक्सिजन प्लान्ट खरिदमा प्रक्रिया गलत नभएको स्पष्ट पार्न चाहान्छौं । अक्सिजन प्लान्ट खरिदका लागि मिति २०७८ वैशाख १२ गते सूचना प्रकाशन भई सोको ३० दिनभित्र बोलदाताहरूले आवेदन गर्नुपर्नेमा इ-बिडिङ मार्फत ८ (आठ) वटा बोलपत्रदाताहरूले आवेदन दिएको सम्पूर्णमा जानकारी गराउँदछौं । बोलदाताहरू मध्ये क्रमशः मुनरक इन्टरनेशनल प्रा.लि.ले ९७,१८,०००/- हेल्थकेयर सप्लायर्सले १,०७,८४,०००/- शुभारम्भ सर्भिस ट्रेडर्स प्रा.लि.ले १,१०,०१९९९.७५ र अन्य बोलपत्रदाताहरूले यसभन्दा बढि अंक कबोल पेश गरेको र प्रदेश सरकार स्वास्थ्य मन्त्रालय स्वास्थ्य आपूर्ति व्यवस्थापन केन्द्रले उपलब्ध गराएको स्फेसिफिकेशन अनुसार प्राप्त बोलपत्रदाताहरूको आर्थिक तथा प्राविधिक प्रस्तावमाथि मूल्याङ्कन गर्न थाहा नगरपालिकासंग जनशक्ती अभावका कारण मिति २०७९/०२/१२ गते बागमती प्रदेश स्वास्थ्य आपूर्ति व्यवस्थापन केन्द्रसंग बायोमेट्रिक इन्जिनियर माग गर्ने निर्णय भई मिति २०७९/०२/१२ मा परिपत्र भई उक्त बोलपत्रदाताहरूको प्रस्ताव मूल्याङ्कन गराउँदा न्यूनतम बोलदाता पहिलो र दोस्रोको आर्थिक प्रस्ताव कम भएपनि प्राविधिक प्रस्ताव स्फेसिफिकेशन बमोजिम नभएको व्यहोरा सहित Technical Report प्राप्त भएको हुँदा मिति २०७९/०३/०७ गते राष्ट्रिय दैनिक पत्रिकामा सार्वजनिक खरिद ऐन, २०६५ दफा २७ (२) र दफा ४७ को प्रयोजनार्थ शुभारम्भ सर्भिस ट्रेडर्स प्रा.लि.को बोलपत्र स्वीकृत गर्ने आशयको सूचना प्रकाशन भएको छ ।

बोलपत्र स्वीकृत गर्ने आशयको सूचना प्रकाशन पश्चात् मूनरक इन्टरनेशनल प्रा.लि.ले मिति २०७९/०३/१२ गते 'अक्सिजन प्लान्ट खरिद बोलपत्र पुनः मुल्याङ्कन र छानविन सम्बन्धमा' विषय उल्लेख गरी थाहा नगरपालिकालाई पत्राचार गरेकोमा बोलपत्र मुल्याङ्कन समितिको मिति २०७९/०३/१४ गते बैठक बसी सो पत्रको सम्बन्धमा छलफल गरी समितिको निर्णय अनुसार मिति २०७९/०३/१६ मा छनोट नहुनुको कारण सहित उक्त मूनरक इन्टरनेशनल प्रा.लि.लाई पत्राचार गरिएको छ । बागमती प्रदेश स्वास्थ्य आपूर्ति व्यवस्थापन केन्द्रका बायोमेट्रिक इन्जिनियरबाट प्राप्त प्राविधिक प्रतिवेदन र मुल्याङ्कन समितिको निर्णय अनुसार शुभारम्भ सर्भिस ट्रेडर्स प्रा.लि.संग मिति २०७९/०३/२१ गते सम्झौता भएको व्यहोरा सम्पूर्णको जानकारीका लागि स्पष्ट पारिएको छ । यस विषयमा कोही कसैलाई विस्तृत जानकारी लिनु परेमा प्रचलित ऐन कानून बमोजिम सम्पूर्ण विवरण कार्यालयको तर्फबाट सहजै उपलब्ध गराउन सकिने व्यहोरा अनुरोध गर्दै र विना तथ्य र हल्लाको पछि नलाग्न आग्रह गर्दछौं ।



यन्त्रायणी चौर, मकवानपुर



‘थाहा नगर विकासको आधार, कृषि, पर्यटन र पूर्वाधार’

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थाहा नगरपालिका

नगर कार्यपालिकाको कार्यालय

इन्द्रायणी चौर, मकवानपुर

बागमती प्रदेश, नेपाल

पत्र संख्या: ०६८/०६५

चलानी नम्बर: ३६६५

मिति : २०७५/०३/१६



विषय: जानकारी गराइएको सम्बन्धमा ।

श्री मुनरक इन्टरनेशनल प्रा.लि.,
लोकन्थली, खरिबोट भक्तपुर ।

उल्लेखित विषयमा त्यस प्रा.लि. को मिति २०७५/०३/१२ च.नं. १५७/२०७८/०७५ मा
बोलपत्र पुनः मूल्याङ्कन र छानविन सम्बन्धमा व्यहोरा उल्लेखित भएको पत्र प्राप्त भयो ।

प्राविधिक मूल्याङ्कन प्रतिवेदन अनुसार तपाईंको फर्म निम्न लिखित कारणले छनोट
नभएको व्यहोरा जानकारी गराइन्छ ।

तपसिल:

European CE Certificate Not found for JY FY-10/95 model

(Technical Specification: S.No. 1, Terms & Condition, no. C)

हरिलाल पुरी

(प्रमुख प्रशासकीय अधिकृत)

हरिलाल पुरी
प्रमुख प्रशासकीय
अधिकृत



MOONROCK INTERNATIONAL PVT. LTD.

Head Office : Lokanthali-16, Kharibot Marg-59

Telephone : +977-1-5182084, 5182320

Mobile : 9851204472 | PAN No. : 301809283

च.न. १९८/०६८/६९

मिति : २०७९/०३/१२

श्रीमान नगर प्रमुख ज्यू,

थाहा नगरपालिका, नगर कार्यपालिकाको कार्यालय

(ईन्द्रायणीचौर, मकवानपुर-बागमती प्रदेश)

विषय : अक्सिजन प्लान्ट खरिद बोलपत्र पूनः मूल्यांकन र छानबिन सम्बन्धमा

महोदय,

उपरोक्त सम्बन्धमा त्यस थाहा नगरपालिकाले २०७९ वैशाख १२ गते नयाँ पत्रिका दैनिकमा प्रकाशित सूचना अनुसारको खुलाएको अक्सिजन जेनरेशन प्लान्ट खरिद/जडान सम्बन्धी बोलपत्र नम्बर (PRO-LAC/Oxygen plant-15/078/79) मा हाम्रो यस मुनरक ईन्टरनेशनल प्रा.ली.ले आवश्यक सबै प्रक्रिया पूरा गरी माग बमोजिमको स्पेसिफिकेशन अनुसारको सामान न्यूनतम दररेट कायम गरेर उक्त टेण्डर प्रक्रियामा सामेल भएकोमा हामीभन्दा बढि दररेट (रकम) कायम गरी टेण्डरमा भाग लिएको कम्पनीलाई उक्त टेण्डरमा छनौट गर्ने आशयपत्रको सूचना पत्रिकामार्फत थाहा पाउँदा दुःख लागेको छ । नगरपालिकाले लिएको यस कसिमको प्रक्रियागत छनौट स्वतन्त्र, निष्पक्ष र पारदर्शी नहुँदा आगामी दिनमा हुने अन्य टेण्डर प्रक्रियामाथि पनि प्रश्न उठ्ने निश्चितप्रायः छ ।

के/कति कारणले सबै प्रक्रिया पूरा गर्दा र न्यूनतम दररेट कायम गरी बोलपत्रमा भाग लिँदापनि हाम्रो कम्पनी छनौट हुन सकेन ? यसबारेमा यहाँको तर्फबाट तत्काल निर्णय सच्याई पूनःमूल्यांकन गर्न माग गर्दछौं । यो टेण्डर प्रक्रियामा हामी भ्याटसहित ९७ लाख १८ हजार रुपैयाँ (सबभन्दा कम मूल्य) मा सहभागी भएका थियौं । तर, हामीभन्दा करिब १३ लाख बढि रुपैयाँ मूल्यमा टेण्डर हालेको कम्पनी छनौट गरिनुले यो प्रक्रियामा बदनियत र खोट देखिएको प्रष्ट हुन्छ ।

हामी यो टेण्डर प्रक्रियालाई तत्काल स्थगन् गरी पूनः मूल्यांकन गरी प्रक्रियागत र व्यवहारिक रुपमा निर्णय लिन आग्रह गर्दछौं । यदि बदनियतपूर्ण तवरले गैरकानूनी रुपमा अख्तियारको दुरुपयोग गरी गरिएको टेण्डर छनौट नसच्याई हामी आवश्यक कानूनी उपचारमा जान बाध्य हुनेपनि यसै निवेदन मार्फत जानकारी गराउन चाहन्छौं । नगरपालिकाले यस टेण्डर प्रक्रियाबारे लिएको गलत निर्णयको पत्रकार सम्मेलनमार्फत भण्डाफोर गर्न पनि बाध्य हुनेछौं । साथै, टेण्डर प्रक्रियामा निर्णय गर्ने अख्तियारप्राप्त व्यक्तिहरुबाट कानून र अख्तियारको दुरुपयोग गरी निर्णय लिईएकोले यस निर्णय प्रक्रियामा संलग्नहरुउपर अख्तियार दुरुपयोग अनुशन्धान आयोगमा समेत छानबिन गरि दोषीउपर कारवाहीको लागि जाने जानकारी गराउँदछौं ।

थाहा नगरपालिका
नगर कार्यपालिकाको कार्यालय
ईन्द्रायणीचौर, मकवानपुर
दस्तावेज नं. २६८०
मिति: २०७९/०३/१२

निवेदक

ममता देवी भा
संचालक/प्रबन्ध निर्देशक

Technical report- OXYGEN PLANT WITH REFILLING SYSTEM

The evaluation is based on the catalogue/supporting documents/certificate attached along with the bidding documents. Some Certificate and product information has checked online to verify the documents.

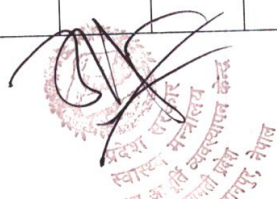
1. Moonrock International (p) Ltd offering Jailer technology co.ltd., **OXYGEN PLANT WITH REFILLING SYSTEM** (Technically not responsive because of following deviation) **
Manufacture should provide copy of valid ISO and European CE / US-FDA certificate.
European CE certificate not found for JYFY-10/95 model.
2. Health care suppliers offering Amcaremed Technology co.ltd., **OXYGEN PLANT WITH REFILLING SYSTEM** (Technically not responsive because of following deviation) **
Manufacture should provide copy of valid ISO and European CE / US-FDA certificate.
Valid European-CE not found for the product..
3. Subharambha Pvt. Ltd offering Summits hygronics pvt.ltd., **OXYGEN PLANT WITH REFILLING SYSTEM** is compliance with some minor consideration. (Technically responsive) **
4. Technical associates offering Sumer comp air bailian., **OXYGEN PLANT WITH REFILLING SYSTEM** is compliance with some minor consideration. (Technically responsive) **
5. P.D. Engineering offering Mentis engineering., **OXYGEN PLANT WITH REFILLING SYSTEM** is compliance with some minor consideration. (Technically responsive) **
6. Nikki distributors offering Sam Gas project., **OXYGEN PLANT WITH REFILLING SYSTEM** is compliance with some minor consideration. (Technically responsive) **
7. Everest line offering Mentis engineering., **OXYGEN PLANT WITH REFILLING SYSTEM** is compliance with some minor consideration. (Technically responsive) **
8. Hyundai water offering Kanti industries., **OXYGEN PLANT WITH REFILLING SYSTEM** is compliance with some minor consideration. (Technically responsive) **

TECHNICAL SPECIFICATION OF OXYGEN PLANT WITH REFILLING SYSTEM



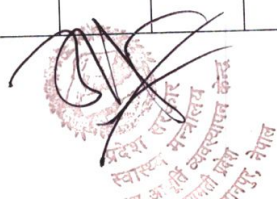
Purchasers specification		Bidders offer								
Bidder		Mo onr ock Int ern atio nal (p) Ltd	Healt hcar e Supp liers	Subh aram bha Pvt. Ltd	Tech nical asso ciate s	P. D. En gin eer ing	Ni kki dist rib uto rs	Ever rest line	Hyu ndai wate r	
Manufacturer:		Jail er tec hno log y co.l td.	Amc arem ed Tech nolo gy co.lt d.	Sum mits hygr onics pvt.lt d.	Sum er com p air baili an	Me ntis eng ine eri ng	Sam gas pro ject s	Men tis Engi neeri ng	Kant i indu strie s	
Brand:		JY FY - 10/ 95	Amc arem ed OY- 100	sum mits	Fres h 200, com p air	Me ntis M- sps A1 5	Sam gas pro ject s	Men tis atlas corp o	KO- 10 Indi a	
Country of Origin:		Chi na	Chin a	Indi a	Turk ey,in dia chin a	Tur key	Ind ia	Turk ey,s wed en/in dia chin a	Indi a	
1	DESCRIPTION OF FUNCTION									
	Microprocessor Based Oxygen Generation Plant. a. Should be based on Pressure Swing Adsorption (PSA) Technology,	Co mp ly	Com ply	Com ply	Com ply	Co mp ly	Co mp ly	Com ply	Com ply	

	consisting of twin column, heavy duty medical generator made to work 24/7.								
2	GENERAL REQUIREMENT:	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply
2. 1	PSA OXYGEN GENERATOR: a. Should generate oxygen with purity: 95% ±1% b. Should have capacity around 10.0 Nm ³ /h, (25 or more big cylinders). c. Should have outlet pressure between 4.0 - 6 bar (g) d. Column Vessels: Should be manufactured according to pressure equipment directive and should power coated and calculated for demanding unlimited load cycle requirement. e. Should be stainless steel architecture f. Should be submicronic filtration to the air inlet of size 0.01 µm g. Screen should not be less than 5.0" size h. Process Valves: solely angle seat pneumatic process valves with stainless steel body and piston stems which guarantee a reliable operation in a long service life. i. Oxygen Quality: j. Should have adsorbent material of high quality, long life molecular sieve (Zeolite) with expected life of more than 8 years	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply
2. 2	COMPRESSED AIR SYSTEM: a. Should meet ISO standards b. Both compressor and dryer should meet quality standard.	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply
2. 2. 1	AIR COMPRESSOR: a. Should be air cooled, oil injected rotary screw type compressor. b. Should have heavy dust filter installed in the compressor.	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply



 स्वास्थ्य विभाग
 नेपाल सरकार
 काठमाडौं, नेपाल

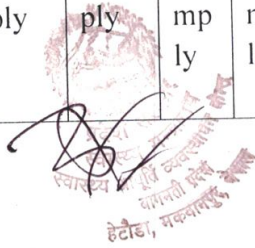
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2. 1	PSA OXYGEN GENERATOR: a. Should generate oxygen with purity: 95% ±1% b. Should have capacity around 10.0 Nm ³ /h, (25 or more big cylinders). c. Should have outlet pressure between 4.0 - 6 bar (g) d. Column Vessels: Should be manufactured according to pressure equipment directive and should power coated and calculated for demanding unlimited load cycle requirement. e. Should be stainless steel architecture f. Should be submicronic filtration to the air inlet of size 0.01 µm g. Screen should not be less than 5.0" size h. Process Valves: solely angle seat pneumatic process valves with stainless steel body and piston stems which guarantee a reliable operation in a long service life. i. Oxygen Quality: j. Should have adsorbent material of high quality, long life molecular sieve (Zeolite) with expected life of more than 8 years	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply
2. 2	COMPRESSED AIR SYSTEM: a. Should meet ISO standards b. Both compressor and dryer should meet quality standard.	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply
2. 2. 1	AIR COMPRESSOR: a. Should be air cooled, oil injected rotary screw type compressor. b. Should have heavy dust filter installed in the compressor.	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply



	c. Should have maximum outlet pressure: around 10 bar d. Should have maximum motor power around 20 KW. e. Should have premium efficiency motor f. Should have integral oil separator. g. Should have automatic restart feature after power failure as required under ISO. h. Should have air cooler and after cooler. i. Should have "Traffic Light" LEDs for at-a-glance operational status.								
2. 2. 2	AIR DRYER: a. Should be self-integrated Desiccant dryer(purifier) technology. b. Should be operating pressure around 10 bar c. Should be dew point +3 °C or less. d. Capable for automatic, mechanical condensate drain.	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply
2. 2. 3	AIR FILTRATION - a. Should have high class process filter fitted to ensure inlet and outlet gas quality. b. Should have superfine filter of 0.01 micron fixed for particle filtration. c. Should be fixed with filter with sterile and bacteria filter of 0.01 micron.	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply
3	CONTROL & MONITORING: a. Should be control panel with 5" or more size b. Should have continuous Mode Start & Stop Button c. Should display operating and measurement values for purity d. Should display operating and measurement values for outlet pressure.	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply


स्वास्थ्य अगति व्यवस्थापन विभाग
सुदूरपश्चिम प्रदेश
हेटौडा, मकवानपुर, नेपाल

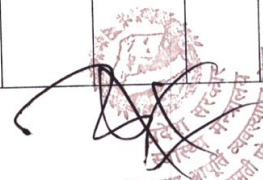
	<p>e. Should display operating and measurement values for Operating hours.</p> <p>f. Should have default low purity emergency and alarm notification.</p> <p>g. Have facility for Data export of all process values via Ethernet or USB or SD card.</p> <p>h. Have automatic service reminders for periodic maintenance due.</p>								
4	<p>OXYGEN PRODUCT TANK</p> <p>a. The plant is equipped with an oxygen product tank of not less than 1000 liters size and a maximum permissible operating pressure of 10bar.</p> <p>b. The design criteria for the tank should fully comply and meet the requirements of the standards under Pressure Directives 97/23/CE.</p>	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply
5	<p>AIR BUFFER TANK</p> <p>a. The plant is equipped with an air buffer tank of not less than 1000 liters size and a maximum permissible operating pressure of 10 bar.</p> <p>b. The design criteria for the tank should fully comply and meet the requirements of the standards under Pressure Directives 97/23/CE.</p>	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply
6	<p>AMBIENT CONDITION</p> <p>The ambient site conditions are referenced and the entire plant is calculated, designed and constructed to perform as per the maximum conditions stated:</p> <p>a. Altitude: 1400 meter above sea level.</p> <p>b. Temperature min/max +10° to +40°C</p> <p>Relative humidity max.: 80%</p>	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply
7	<p>High Pressure Booster (Oxygen Compressor)</p> <p>a Used for filling cylinders of any size up to 150 bar.</p> <p>b. Around:- 8 Nm³/h</p>	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply


 हेडॉफ़िस, मध्य प्रदेश सरकार
 भोपाल

	c. Microprocessor based filling system (PLC system comprising logic controller) d. Filling pressure – max.150 bar e. Cylinder size – around 7 Nm3 f. Filling Per day around 25 cylinders h. Power requirement: 400V – tri phase – 50Hz i. Oil free, reciprocating system, HP flexible hoses. j. Fully automatic with micro controller based system k. Heavy duty design for continuous operation (24/7) l. Full autonomy: designed to fill backup cylinders and mobile cylinders on site m. Long service life n. Low noise level p. Compatible with existing Oxygen generating plant. q. ISO and CE marked as medical device.								
8	STANDARDS: The complete oxygen plant is certified ISO 9001 and ISO 13485 for the design and manufacture of medical gas system and European CE marked as medical device.	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply
9	ACCESSORIES, SPARE PARTS AND CONSUMABLES: All standard accessories/consumables/parts required for proper operation of the plant should be listed in the offer.	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply
10	PREVENTIVE MAINTENANCE: Preventive and corrective maintenance services during warranty period shall be included.	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply
11	INSTALLATION AND COMMISSIONING Shall be installed and commissioned by the supplier at the final destination	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply	Com ply

स्वास्थ्य विभाग, हरियाणा
गुर्गाँव, मेरठ

1 2	USER TRAINING Should provide training on site.	Co mp ly	Com ply	Com ply	Com ply	Co mp ly	Co mp ly	Com ply	Com ply
1 3	WARRANTY: Should have 2 year's warranty without consumables.	Co mp ly	Com ply	Com ply	Com ply	Co mp ly	Co mp ly	Com ply	Com ply
1 4	DOCUMENTATION: Must be supplied with detailed operation manual in English language.	Co mp ly	Com ply	Com ply	Com ply	Co mp ly	Co mp ly	Com ply	Com ply
1 5	<u>TERMS AND CONDITIONS</u> a. The supplier must submit the color original brochure with specification in English Language. b. All the equipment of oxygen plant should be manufactured tested and verified. c. Manufacture should provide copy of valid ISO and European CE / US-FDA certificate. d. Up-to-date ISO 9001 and ISO 13485 certificates clearly mentioning OXYGEN GENERATION SYSTEMS in the covered activities. e. Declaration letter stating that the produced oxygen plant is designed & manufactured as a medical device for Medical Use only f. Conformation letter declaring that Manufacturer producing exclusively Medical grade oxygen generating plant (following the medical equipment standard) in the world. g. A valid distributor authorization certificate from manufacturer shall be required along	c. No t Co mp ly	c. Not Co mpl y	Com ply	Com ply	Co mp ly	Co mp ly	Com ply	Com ply


स्वास्थ्य आर्वाङ्ग व्यवस्थापन केन्द्र
चौडा, मन्थली-१, नेपाल

	with the Bid documents and after sales service must be locally available.								
	h. Breakdown maintenance calls shall be attended within 6 hours by the contractor within warranty period.								
	i. Supplier/distributor must have installed at least one oxygen plants of similar capacity or higher.								

Biomedical Engineer





‘थाहा नगर विकासको आधार, कृषि, पर्यटन र पूर्वाधार’

☎ ०५७-४०००५६
०५७-४०००६६
०५७-४०००८६

थाहा नगरपालिका

नगर कार्यपालिकाको कार्यालय

ईन्द्रायणी चौक, मकवानपुर
बागमती प्रदेश, नेपाल

पत्र संख्या: ०६८-०६९

चलानी नम्बर: ३१८३

मिति : २०७५/०२/१२

विषय : इन्जिनियर उपलब्ध गराइदिने बारे ।

श्री कार्यालय प्रमुख ज्यू,
स्वास्थ्य व्यवस्थापन आपूर्ति केन्द्र,
हेटौंडा, मकवानपुर ।

उल्लेखित विषयमा यस कार्यालयबाट मिति २०७५/०१/१२ गते Supply Delivery Installation Of Oxygen generation plant Of 10nm3/hr को ठेक्का आव्हान गरिएकोले सो कार्यको मूल्याङ्कनको निम्ति आवश्यक इन्जिनियर उपलब्ध गराइदिनुहुन अनुरोध छ ।

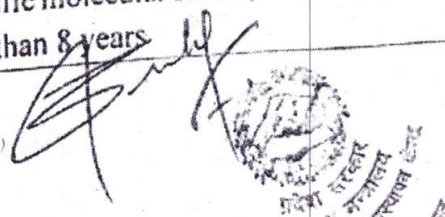
हरिलाल पुरी

(प्रमुख प्रशासकीय अधिकृत)

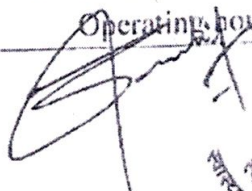

हरिलाल पुरी
प्रमुख प्रशासकीय
अधिकृत

TECHNICAL SPECIFICATION OF OXYGEN PLANT WITH REFILLING SYSTEM

	Purchasers specification	Bidders offer		
		Yes/no	Pg no in catalogue	Deviation
	Manufacturer:			
	Brand:			
	Country of Origin:			
1	DESCRIPTION OF FUNCTION			
	Microprocessor Based Oxygen Generation Plant. a. Should be based on Pressure Swing Adsorption (PSA) Technology, consisting of twin column, heavy duty medical generator made to work 24/7.			
2	GENERAL REQUIREMENT:			
2.1	<p>PSA OXYGEN GENERATOR:</p> <ol style="list-style-type: none"> Should generate oxygen with purity: 95% \pm 1% Should have capacity around 10.0 Nm³/h, (25 or more big cylinders). Should have outlet pressure between 4.0 - 6 bar (g) Column Vessels: Should be manufactured according to pressure equipment directive and should power coated and calculated for demanding unlimited load cycle requirement. Should be stainless steel architecture Should be submicronic filtration to the air inlet of size 0.01 μm Screen should not be less than 5.0" size Process Valves: solely angle seat pneumatic process valves with stainless steel body and piston stems which guarantee a reliable operation in a long service life. Oxygen Quality: <ul style="list-style-type: none"> Purity: 95% \pm 1% Water content :< 67PPM CO: < 2 ppm CO2: <150 ppm Oil: <0.05 mg/m3 Should have adsorbent material of high quality, long life molecular sieve (Zeolite) with expected life of more than 8 years 			



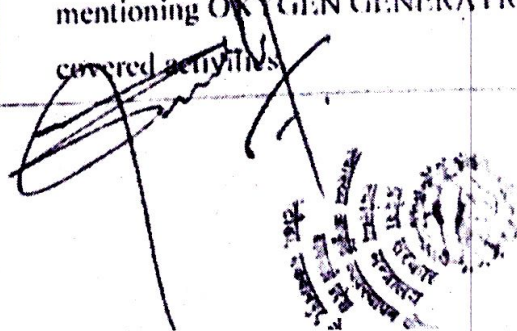
2.2	<p>COMPRESSED AIR SYSTEM:</p> <ol style="list-style-type: none"> Should meet ISO standards Both compressor and dryer should meet quality standard. 			
2.2.1	<p>AIR COMPRESSOR:</p> <ol style="list-style-type: none"> Should be air cooled, oil injected rotary screw type compressor. Should have heavy dust filter installed in the compressor. Should have maximum outlet pressure: around 10 bar Should have maximum motor power around 20 KW. Should have premium efficiency motor Should have integral oil separator. Should have automatic restart feature after power failure as required under ISO. Should have air cooler and after cooler. Should have "Traffic Light" LEDs for at-a-glance operational status. 			
2.2.2	<p>AIR DRYER:</p> <ol style="list-style-type: none"> Should be self-integrated Desiccant dryer(purifier) technology. Should be operating pressure around 10 bar Should be dew point +3 °C or less. Capable for automatic, mechanical condensate drain. 			
2.2.3	<p>AIR FILTRATION -</p> <ol style="list-style-type: none"> Should have high class process filter fitted to ensure inlet and outlet gas quality. Should have superfine filter of 0.01 micron fixed for particle filtration. Should be fixed with filter with sterile and bacteria filter of 0.01 micron. 			
3	<p>CONTROL & MONITORING:</p> <ol style="list-style-type: none"> Should be control panel with 5" or more size Should have continuous Mode Start & Stop Button Should display operating and measurement values for purity Should display operating and measurement values for outlet pressure. Should display operating and measurement values for Operating hours. 			

	<p>f. Should have default low purity emergency and alarm notification.</p> <p>g. Have facility for Data export of all process values via Ethernet or USB or SD card.</p> <p>h. Have automatic service reminders for periodic maintenance due.</p>			
4	<p>OXYGEN PRODUCT TANK</p> <p>a. The plant is equipped with an oxygen product tank of not less than 1000 liters size and a maximum permissible operating pressure of 10bar.</p> <p>b. The design criteria for the tank should fully comply and meet the requirements of the standards under Pressure Directives 97/23/CE.</p>			
5	<p>AIR BUFFER TANK</p> <p>a. The plant is equipped with an air buffer tank of not less than 1000 liters size and a maximum permissible operating pressure of 10 bar.</p> <p>b. The design criteria for the tank should fully comply and meet the requirements of the standards under Pressure Directives 97/23/CE.</p>			
6	<p>AMBIENT CONDITION</p> <p>The ambient site conditions are referenced and the entire plant is calculated, designed and constructed to perform as per the maximum conditions stated:</p> <p>a. Altitude: 1400 meter above sea level.</p> <p>b. Temperature min/max +10° to +40°C</p> <p>Relative humidity max.: 80%</p>			
7	<p>High Pressure Booster (Oxygen Compressor)</p> <p>a. Used for filling cylinders of any size up to 150 bar.</p> <p>b. Around:- 8 Nm³/h</p> <p>c. Microprocessor based filling system (PLC system comprising logic controller)</p> <p>d. Filling pressure – max. 150 bar</p> <p>e. Cylinder size – around 7 Nm³</p> <p>f. Filling Per day around 25 cylinders</p> <p>h. Power requirement: 400V – tri phase – 50Hz</p> <p>i. Oil free, reciprocating system, HIP flexible hoses.</p> <p>j. Fully automatic with micro controller based system</p> <p>k. Heavy duty design for continuous operation (24/7)</p>			



	<p>l. Full autonomy: designed to fill backup cylinders and mobile cylinders on site</p> <p>m. Long service life</p> <p>n. Low noise level</p> <p>p. Compatible with existing Oxygen generating plant.</p> <p>q. ISO and CE marked as medical device.</p>			
8	<p>STANDARDS:</p> <p>The complete oxygen plant is certified ISO 9001 and ISO 13485 for the design and manufacture of medical gas system and European CE marked as medical device.</p>			
9	<p>ACCESSORIES, SPARE PARTS AND CONSUMABLES:</p> <p>All standard accessories/consumables/parts required for proper operation of the plant should be listed in the offer.</p>			
10	<p>PREVENTIVE MAINTENANCE:</p> <p>Preventive and corrective maintenance services during warranty period shall be included.</p>			
11	<p>INSTALLATION AND COMMISSIONING</p> <p>Shall be installed and commissioned by the supplier at the final destination</p>			
12	<p>USER TRAINING</p> <p>Should provide training on site.</p>			
13	<p>WARRANTY:</p> <p>Should have 2 year's warranty without consumables.</p>			
14	<p>DOCUMENTATION:</p> <p>Must be supplied with detailed operation manual in English language.</p>			
15	<p>TERMS AND CONDITIONS</p> <p>a. The supplier must submit the color original brochure with specification in English Language.</p> <p>b. All the equipment of oxygen plant should be manufactured tested and verified.</p> <p>c. Manufacture should provide copy of valid ISO and European CE / US-FDA certificate.</p> <p>d. Up-to-date ISO 9001 and ISO 13485 certificates clearly mentioning OXYGEN GENERATION SYSTEMS in the covered activities.</p>			



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| <p>e. Declaration letter stating that the produced oxygen plant is designed & manufactured as a medical device for Medical Use only</p> <p>f. Conformation letter declaring that Manufacturer producing exclusively Medical grade oxygen generating plant (following the medical equipment standard) in the world.</p> <p>g. A valid distributor authorization certificate from manufacturer shall be required along with the Bid documents and after sales service must be locally available.</p> <p>h. Breakdown maintenance calls shall be attended within 6 hours by the contractor within warranty period.</p> <p>i. Supplier/distributor must have installed at least one oxygen plants of similar capacity or higher.</p> | | | |
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Prepared by:

Er. Rajeshwor kamali
Biomedical Engineer
9851041546

Logistic Management Centre, Makawanpote

