



Republikang Pilipinas
Kagawaran ng Kalusugan
Panlabas ng Pagpapaganap
Pampurok ng Tanggapan ng Pangkalusugan Bldg. 6
WESTERN VISAYAS MEDICAL CENTER
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BIDS AND AWARDS COMMITTEE

SUPPLEMENTAL/BID BULLETIN

Addendum No. 1

(Procurement of Various Gases with Free Use and Installation of a Completely Functional Vacuum Insulated Evaporator and Pipe Fittings for Liquid Oxygen (LOX))

This Addendum No. 1 dated March 20, 2019 is issued to:

Amend items in the Special Conditions of Contract and Technical Specifications; and

Special Conditions of Contract

ORIGINAL	AMENDED
<p>6.2 Scope of the Contract</p> <p><i>Additional quantities (with the same bid price) on top of the bid items may be ordered if there is a supplemental need by the end user and therefore not subject to price escalation during the contract implementation.</i></p> <p><i>Preventive and corrective maintenance every six (6) months on piping and manifolds.</i></p> <p><i>Winning bidder must provide and install 150 units of medical oxygen wall outlets free of charge for Liquid Oxygen (LOX). The sites of the oxygen wall outlets will be designated by the procuring entity.</i></p> <p><i>Winning bidder must provide for the following items and services free of charge and can be availed by WVMC at no cost while the procured Liquid Oxygen (LOX) is being used. At the end of the contract, these items can be recovered by the bidder at his expense for as long as it will not materially damage the building or any part thereof.</i></p> <div>1. Supply and installation of VIE, vaporizer,</div>	<p>6.2 Scope of the Contract</p> <p><i>Additional quantities (with the same bid price) on top of the bid items may be ordered if there is a supplemental need by the end user and therefore not subject to price escalation during the contract implementation.</i></p> <p><i>Preventive and corrective maintenance every six (6) months on piping and manifolds.</i></p> <p><i>Winning bidder must provide and install 150 units of medical oxygen wall outlets free of charge for Liquid Oxygen (LOX). The sites of the oxygen wall outlets will be designated by the procuring entity.</i></p> <p><i>Winning bidder must provide for the following items and services free of charge and can be availed by WVMC at no cost while the procured Liquid Oxygen (LOX) is being used. At the end of the contract, these items can be recovered by the bidder at his expense for as long as it will not materially damage the building or any part thereof.</i></p> <div>1. Supply and installation of VIE, vaporizer,</div>

<i>controls and pipeline connection to the existing medical oxygen pipeline and existing medical gas manifolds</i>	<i>controls and pipeline connection to the existing medical oxygen pipeline and existing medical gas manifolds <u>and to the 150 units wall outlets</u></i>
<i>2. Supply and installation of fully outfitted gauges and valves</i>	<i>2. Supply and installation of fully outfitted gauges and valves</i>
<i>3. Supply and installation of safety controls</i>	<i>3. Supply and installation of safety controls</i>
<i>4. Supply and installation of Telemetry System for real time monitoring of Liquid Oxygen (LOX) level inside VIE thru a mobile application</i>	<i>4. Supply and installation of Telemetry System for real time monitoring of Liquid Oxygen (LOX) level inside VIE thru a mobile application</i>
<i>5. Supply and installation of 1 Unit vaporizer (150 m³/hour)</i>	<i>5. Supply and installation of 1 Unit vaporizer (150 m³/hour)</i>
<i>6. Supply and installation of 1 Unit Duplex Regulating Pressure System (DPRS) with complete accessories like valve, safety valve, pressure gauges, pressure switch, etc</i>	<i>6. Supply and installation of 1 Unit Duplex Regulating Pressure System (DPRS) with complete accessories like valve, safety valve, pressure gauges, pressure switch, etc</i>
<i>7. Supply and Installation of electrical instrumentations with alarms and fault indicators</i>	<i>7. Supply and Installation of electrical instrumentations with alarms and fault indicators</i>
<i>8. Construction of VIE & Vaporizer foundation</i>	<i>8. Construction of VIE & Vaporizer foundation</i>
<i>9. Construction of VIE Perimeter fence</i>	<i>9. Construction of VIE Perimeter fence</i>
<i>10. Degreasing / Cleaning of Pipes, fittings and high velocity purging by a Supplier owned Liquid Oxygen (LOX) facility technician</i>	<i>10. Degreasing / Cleaning of Pipes, fittings and high velocity purging by a Supplier owned Liquid Oxygen (LOX) facility technician</i>
<i>11. Pressure drop test to all pipeline and fittings installed by a Supplier owned Liquid Oxygen (LOX) facility technician</i>	<i>11. Pressure drop test to all pipeline and fittings installed by a Supplier owned Liquid Oxygen (LOX) facility technician</i>
<i>12. Testing and commissioning by a Supplier owned Liquid Oxygen (LOX) facility technician</i>	<i>12. Testing and commissioning by a Supplier owned Liquid Oxygen (LOX) facility technician</i>
<i>13. Hands-on training of authorized personnel by a Supplier owned Liquid Oxygen (LOX) facility technician</i>	<i>13. Hands-on training of authorized personnel by a Supplier owned Liquid Oxygen (LOX) facility technician</i>
<i>14. Repair and maintenance</i>	<i>14. Repair and maintenance</i>
<p><i>Winning bidder must have a backup oxygen facility for compressed gases in Panay area capable of delivering the needed volume of medical grade oxygen in cylinders at a moment's notice in case any problem arises in the Liquid Oxygen (LOX) set up.</i></p>	<p><i>Winning bidder must have a backup oxygen facility for compressed gases in Panay area capable of delivering the needed volume of medical grade oxygen in cylinders at a moment's notice in case any problem arises in the Liquid Oxygen (LOX) set up.</i></p>

All other items in **Special Conditions of Contract** remain the same.

Technical Specifications

ORIGINAL

Item #	Item Description	Quantity	Unit	Total ABC	Statement of Compliance
1	Medical Oxygen 1800 psi per tank & Liquid Oxygen	1	Lot	16,928,000.00	
	Medical Oxygen 1800 psi per tank	11,200	tank		
	Liquid Oxygen	312,000	cubic meter (m ³)		
	15. Supply and installation of 150 units medical oxygen wall outlets 16. Supply and installation of VIE, vaporizer, controls and pipeline connection to the existing medical oxygen pipeline and existing medical gas manifolds 17. Supply and installation of fully outfitted gauges and valves 18. Supply and installation of safety controls 19. Supply and installation of Telemetry System for real time monitoring of Liquid Oxygen (LOX) level inside VIE thru a mobile application 20. Supply and installation of 1 Unit vaporizer (150 m ³ /hour) 21. Supply and installation of 1 Unit Duplex Regulating Pressure System				

	<p>(DPRS) with complete accessories like valve, safety valve, pressure gauges, pressure switch, etc</p> <p>22. Supply and Installation of electrical instrumentations with alarms and fault indicators</p> <p>23. Construction of VIE & Vaporizer foundation</p> <p>24. Construction of VIE Perimeter fence</p> <p>25. Degreasing / Cleaning of Pipes, fittings and high velocity purging by a Supplier owned Liquid Oxygen (LOX) facility technician</p> <p>26. Pressure drop test to all pipeline and fittings installed by a Supplier owned Liquid Oxygen (LOX) facility technician</p> <p>27. Testing and commissioning by a Supplier owned Liquid Oxygen (LOX) facility technician</p> <p>28. Hands-on training of authorized personnel by a Supplier owned Liquid Oxygen (LOX) facility technician</p> <p>29. Repair and maintenance</p> <p>Equipment & Accessories VIE at least 3000gals, 250 psi MAWP, top fill double valve, bottom fill double valve 4" dial face pressure gauge, std content gauge, normal operating pressure 10-15 bar – 1 piece</p>				
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	Telemetry Unit Telemetry unit with mobile application for real time information – 1 piece Electrical and Instrumentation works Electrical and instrumentation control – 1 lot Master/area alarm system – 1 lot Liquid Oxygen 99.5% minimum purity				
2	Carbon Dioxide, Compressed Air 1800 psi per tank & Liquefied Petroleum Gas (LPG) 50 kg per tank	1	Lot	1,223,000.00	
	Carbon Dioxide	50	tank		
	Compressed Air 1800 psi per tank	400	tank		
	Liquefied Petroleum Gas (LPG) 50 kg per tank	254	tank		
TOTAL				<u>18,151,000.00</u>	

AMENDED

Item #	Item Description	Quantity	Unit	Total ABC	Statement of Compliance
1	Medical Oxygen 1800 psi per tank & Liquid Oxygen	1	Lot	16,928,000.00	
	Medical Oxygen 1800 psi per tank	11,200	tank		
	Liquid Oxygen	312,000	cubic meter (m ³)		
	<u>1.</u> Supply and installation of 150 units medical oxygen wall outlets <u>2.</u> Supply and installation of VIE, vaporizer, controls and pipeline connection to the existing medical oxygen pipeline and existing medical gas manifolds <u>and to the</u>				

	<p><u>150 units wall outlets</u></p> <p><u>3.</u> Supply and installation of fully outfitted gauges and valves</p> <p><u>4.</u> Supply and installation of safety controls</p> <p><u>5.</u> Supply and installation of Telemetry System for real time monitoring of Liquid Oxygen (LOX) level inside VIE thru a mobile application</p> <p><u>6.</u> Supply and installation of 1 Unit vaporizer (150 m³/hour)</p> <p><u>7.</u> Supply and installation of 1 Unit Duplex Regulating Pressure System (DPRS) with complete accessories like valve, safety valve, pressure gauges, pressure switch, etc</p> <p><u>8.</u> Supply and Installation of electrical instrumentations with alarms and fault indicators</p> <p><u>9.</u> Construction of VIE & Vaporizer foundation</p> <p><u>10.</u> Construction of VIE Perimeter fence</p> <p><u>11.</u> Degreasing / Cleaning of Pipes, fittings and high velocity purging by a Supplier owned Liquid Oxygen (LOX) facility technician</p> <p><u>12.</u> Pressure drop test to all pipeline and fittings installed by a Supplier owned Liquid Oxygen (LOX) facility technician</p> <p><u>13.</u> Testing and commissioning by a Supplier owned Liquid Oxygen (LOX) facility technician</p>				
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	<p>14. Hands-on training of authorized personnel by a Supplier owned Liquid Oxygen (LOX) facility technician</p> <p>15. Repair and maintenance</p> <p>Equipment & Accessories VIE at least 3000gals, 250 psi MAWP, top fill double valve, bottom fill double valve 4" dial face pressure gauge, std content gauge, normal operating pressure 10-15 bar – 1 piece</p> <p>Telemetry Unit Telemetry unit with mobile application for real time information – 1 piece</p> <p>Electrical and Instrumentation works Electrical and instrumentation control – 1 lot Master/area alarm system – 1 lot</p> <p>Liquid Oxygen 99.5% minimum purity</p>				
2	Carbon Dioxide, Compressed Air 1800 psi per tank & Liquefied Petroleum Gas (LPG) 50 kg per tank	1	Lot	1,223,000.00	
	Carbon Dioxide	50	tank		
	Compressed Air 1800 psi per tank	400	tank		
	Liquefied Petroleum Gas (LPG) 50 kg per tank	254	tank		
TOTAL				<u>18,151,000.00</u>	

Include the *Proposed Master Site Development Plan* of the Vacuum Insulated Evaporator in the Bidding Documents for the abovementioned project.



This shall form an integral part of the Bid Documents.

For guidance and information of all concerned:

(SGD.) ERIC J. MONTERO, MD
Chairman, Bids and Awards Committee