



# Gujarat Alkalies and Chemicals Limited

Regd. Office: P.O. Petrochemicals- 391346, Dist: Vadodara, Gujarat, INDIA

Tel.No.(02641) 256315, 256316, 256317

**Sale / Disposal of "Cryogenic Cold box unit for Methane Separation from Natural Gas Including Carbon Dioxide (CO2) removal system for natural gas", equipment / piping / structure of plant at our Baroda complex**

GACL invites tender for sale of following Material available at CLM Plant, GACL – Ranoli, Vadodara Complex on "as is where is" basis and "No complaint" basis.

Cold Box Unit Details:

1. Capacity: 10000 Nm3/Day Methane from NG.
2. Manufacturing year: 1989
3. Condition: Good.

Commercial offer should be submitted in sealed cover as per the date indicated in Publication of News Paper advertisement.

## **Details Of Cold Box Unit Equipment:**

### **Annexure A:.....CO2 removal system from Natural Gas**

Annexure - A			
<b>MEA System</b>			
Tage No.	Name of Equip.	Specifications	Qty.
E-1A	Process Water Pump	3 M3/hr Capacity, 50m Head, C.I Body, Akay make	1
E-4A	MEA Pump	5 M3/hr Capacity, 70m Head, SS-316 Body, SS-316 Internals, Akay Make	2
E-4B			
E-12B	MEA Make-up Pumps	1 M3/hr Capacity, 15m Head, C.S. Body	1
E-2	Water Strubber	500mm ID x 5000mm TT, Packed Column with Ceramic Rasching Rings of C.S. Body	1
E-3	MEA Absorber	500mm ID x 12500mm TT, Packed Column with SS Ball Rings Packings & SS-316 Body	1
E-9	MEA Stripper	500mm ID x 12500mm TT, Packed Column with SS Ball Rings Packings & SS-316 Body	1
E-5	CO2 Seperator	500mm ID x 2000mm TT with SS-304 Vessel	1
E-6	Condenser	Sheel & Tube type Heat Exchanger made of SS-316 Material	1
E-7A	MEA Heat Inter-Changer	Sheel & Tube type Heat Exchanger made of SS-316 Material	2
E-7B			
E-8	MEA Cooler	Sheel & Tube type Heat Exchanger made of SS-316 Material	1
E-10	Re-Boiler	Sheel & Tube type Heat Exchanger made of SS-316 Material	1
E-11	MEA Make-up Tank	1050mm ID x 1800mm Ht. for MEA Storage Tank & Made of CS Body	1

### **Annexure : B..... Cold Box Static Equipment**

## Annexure - B

**Cold Box static equipments**

Sr. No.	Vessel No.	Vessel Name	Vessel / Unit	Specifications			MOC				Empty Wt. (Kgs.)	Capacity (M3)
				Design Pressure (BarG)	Design Temp. (OC)	Pressure (BarG)	Shell/Dished End	Supporting Skirt	Internals	Flanges		
1		cold box unit with perlite	1							aluminium		10000 nm3/day
2	D-101	Demineralized Water Drum	1	1	60	2	A515Gr.60	-	-	A105	620	2.1
3	D-102	Caustic Lye Drum	1	1	60	2	A515Gr.60	-	-	A105	360	0.75
4	D-103	Water Knock Out Drum	1	9	60	13.5	A515Gr.60	-	A515Gr.60 Demister: Type 304	A105	460	0.23
5	D-104	Water Knock Out Drum	1	9	60	13.5	A515Gr.60	-	A515Gr.60 Demister: Type 304	A105	460	0.23
6	A 101 A/B	Adsorber	2	9	250	13.5	A515Gr.60	A515Gr.60	A515Gr.60 Mosieve 4A	A105	1800	1.9
7	E-101	Regen. Gas Cooler	1	9	Shell:220 & Tube: 60	13.5	Tube bundle: 24 TRS. Shell: A106 Gr.A, Tie Rods and Spacers, Pass Partition Plate, Dished End & Floating Head Cover: A515 Gr.60. Flanges, Tube Sheet, Floating Head Flange, Floating Head Backing Device: A105. Lifting Lugs: Iron Jack, ASB.				700	ShellSide: 210 L Tubeside: 90 L
8	T-101	Caustic Scrubber	1	9	60	13.5	A515Gr.60	A515Gr.60	A515Gr.60 Pall Ring Dia 25: Type 304	A105	2700	3
9	S-101	Feed Gas Filter	1	9	60	13.5	A515Gr.60	A515Gr.60		A105	-	-
10	D-08	Condensate Knock Out Drum	1	57	-162	74.1	AlMg4.5Mn	AlMg4.5Mn			120	0.21

**Annexure : C.....Cold Box Unit Rotating Equipment**

## Annexure - C

Tage No.	Name of Equipments	Technical Data						
		Mfg.	Capacity (M3/Hr)	Head/Dich. Pressure (m)	Type	Body	KW	RPM
E-1A	Process Water Pump	Akay	3	50	Centrifugal	C.I.	5.5	2900
E-4A	MEA Pump	Akay	5	70	Centrifugal	SS-316	5.5	2900
E-4B		Akay	5	70	Centrifugal	SS-316	5.5	2900
E-12B	MEA Make-up Pumps	-	1	15	Centrifugal	C.S.	1.1	2900
P 102A	DM Water Pump	Pump MFR	0.755-1.5	80m / 7.8 Bar	Reciprocating		1.1	
P 102R		Pump MFR	0.755-1.5	80 m / 7.8 Bar	Reciprocating		1.1	
P 101A	Caustic Pump		0.14-0.35	7.25 Bar	Reciprocating	C.S.	1.1	
P 101R			0.14-0.35	7.25 Bar	Reciprocating	C.S.	1.1	
C 01	Feed Gas Compressor	NEA	900 NM3/Hr	50 Kg/CM2	3 Stage Reciprocating		160	
E 102	Regeneration Heater		NA	NA			36	NA

**DETAILS OF ACTIVITY:**

1) PRODUCT, QUANTITY, LOCATION:

Sr. No	Item	Qty	Availability	EX Factory Price per unit	Location
1	<p><b><u>Sale / disposal of Cold box unit and Carbon Dioxide (CO2) removal system for natural gas purification equipment, Piping, structure at CLM Plant, Vadodara</u></b></p> <p>Buyer's Scope:</p> <ol style="list-style-type: none"> <li>1. Dismantling of all equipment and its associated lines.</li> <li>2. Transportation required for handling of equipment to send it to outside GACL.</li> <li>3. Removing air tubing of all instrumentation from air header to equipment</li> <li>4. Removing perlite from cold box unit.</li> <li>5. Removing cable of all electrical power supply and control from MCC to equipment</li> <li>6. Removing cable of all instrumentation from Panel to equipment.</li> </ol> <p>Details of material as per annexure (A to C)</p>	01, Lot	Available for sale		CLM Plant, Vadodara Complex

- 1) Last Date of submission Tender Bid hard copy along with DD – 31.01.2020.
- 2) GACL may conduct forward E-Auction / One to one negotiation to finalize the successful bidder.
- 3) GST: Taxes as applicable shall be extra
- 4) PAYMENT : 100 % advance along with taxes by RTGS within two weeks from date of issue of sale order.
- 5) DELIVERY : Party should lift the material within max one month after 100% payment.
- 6) VALIDITY : Quoted price shall be valid till APRIL 2020.
- 7) TRANSPORTATION: To be arranged by party and vehicle should be placed for loading at our Vadodara site.
- 8) LOADING : Loading of material shall be in the scope of the party. Loading of material shall be done as per RTO rules.

- 9) Dismantling of Material / Equipment shall be in the scope of party. All necessary tools, tackles, crane, hydra machines etc. shall be arranged by the party at their cost.
- 10) Party has to adhere to all applicable labour laws and as require by GACL for completing the work at our site.
- 11) The Vehicles shall be allowed for loading at GACL site between 8.30 AM to 3.30 PM on all working days with prior information to GACL.
- 12) All Vehicle should be equipped with spark arrestor on exhaust pipe and all vehicle shall carry documents like RC, TC, DRIVING LICENCE, PUC etc. Vehicle must have conductor before entering into GACL premises. Party should follow GACL rules & regulations when in GACL premises.
- 13) After lifting of material from our site, GACL shall not be responsible for any statutory or environmental related issues if arises during transportation from GACL to your works.
- 14) As far as Usage / Disposal of the material is concerned, NO RISK & LIABILITIES LIES ON GACL out side GACL premises.
- 15) Interested vendors are requested to visit with prior appointment to our Plant between 10.01.2020 and 30.01.2020 on any working day except Saturday and Sunday during 11.00 AM to 4.00 PM.
- 16) Visiting officials have to carry an authority letter for inspection of material from their office.
- 17) Interested party shall have to submit EMD of Rs.2,00,000/- (RUPEES TWO LAKHS ONLY) by Demand draft in favor of GUJARAT ALKALIES AND CHEMICALS LTD., Payable at Vadodara along with your offer in sealed envelop stating "**Offer for Disposal of Cold box unit and Carbon Dioxide(Co2) removal system for natural gas purification of CLM Plant, Vadodara**". Without EMD offer will not be considered.
- 18) Interested party has to submit the entire tender document duly signed and stamped as a token of acceptance of terms and conditions mentioned in tender document.
- 19) EMD Will be returned to unsuccessful parties after completion of disposal process or within three months from the date of submission of commercial offer whichever is earlier.
- 20) EMD of successful party will be returned on completion of commercial process after lifting of entire quantity as per sale order.
- 21) If the successful vendor fails to lift entire quantity as per sale order then equivalent amount of balance material shall be deducted from EMD as decided by GACL.

22) In case of any clarification, please contact:-

Manager (Stores)

Materials Management Dept.

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Tel.No.(0265) 2232681, 2232981- 82

23) GACL reserve the right to reject any or all application at any stage without assigning any reason thereof.

24) The successful buyer has to fulfil following requirement and produce required proof / documents on demand :

- a. **Organization Structure.**
- b. **List of Tools & Tackles that will require carryout the disposal.**
- c. **List of Major equipment & machinery that will require carryout the disposal.**
- d. **List of Major Jobs executed with values & contact persons (Copy of Work Orders) in last three years.**
- e. **PF Registration Details: Separate PF Code is must.....**
- f. **Copy of PAN/Service Tax details : Must.**
- g. **GST Registration – Must.**
- h. **Registration under Bombay Shops and Establishment Act: Must.**
- i. **Firm registration documents.**
- j. **Details of Registration with Other Organization, Departments incl. Large Chemical / Petrochemical / Fertilizers Industry.**
- k. **Undertaking that vendor is not defaulter as regards to PF, Contract Labour Act, Any Industrial / Labor Laws in force & Tax.**
- l. **Last three years financial details.**
- m. **Labor licenses, as and when required, shall have to be produced to the company.**

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