

	<u>BOM & Price Bid format</u> <u>[for Main Supply + Mandatory Spares]</u>	Annexure -[1] of PY 56488
	<u>Gas Chromatograph package</u>	Rev 00
	Project: GT Driven Compressor Pkg for GAIL, Gandhar	
BHEL ENQUIRY NO : bidder Offer ref no: Ref. date: Ref. date: NOTES ::		
1	This document details the price schedule format for the enquiry. No other format will be entertained. Applicable taxes and duties shall be indicated separately in commercial offer.	
2	Duly signed & stamped un-priced price schedule format shall be submitted by bidder in the technical offer as a token of concurrence that price schedule would be submitted in this format. Any tampering / modification / additions, etc. are NOT allowed and not considered binding and is liable for rejection of the offer.	
3	Bidders shall be evaluated on overall L1 basis.	
4	For addition/reduction of quantity, unit rate quoted in the present offer shall be considered during ordering and shall be valid up to execution of the contract to the extent of $\pm 10\%$ of order Value. These would include the cost up to engineering, installation of the item, wiring up in the panel and seamless integration with main system at works/site without any cost implications. All accessories required for this purpose shall be included in the price quoted.	
5	Billing will be as per BOM of actual supplied main equipment (including accessories & services) & spares.	
6	Per diem charges shall be applicable from the day bidder's person reaches site, up to the day he leaves the site.	
7	No of Man Days / no of visits are indicative only. For any addition / deletion / reduction visits/ Man Days, then the Bidder shall provide the service on chargeable basis at the same rate quoted in the price schedule. Hence, the Man Day rate and rate per visit is fixed throughout the contract period and extension, if any	
8	Components/Items for addition / deletion, spares shall be identical to the main equipment (if required)	
9	Unit rates of components would be used for effecting required additions/deletions of main equipment during order execution. These would include the cost up to engineering, installation of the item, wiring up in the panel and seamless integration with main system at works/site without any cost implications. All accessories required for this purpose shall be included in the price quoted.	
10	This list is indicative. bidder has to include and quote unit rates for all items which are figuring in main supply & mandatory spares. Your offer will NOT be evaluated without unit rates.	
11	Unit Rates of the individual package items shall be derived by multiplying the "Unit Price Fixing Factor" with the Lumpsum Price quoted. Unit Rates of the Individual items thus arrived, shall be binding on the bidder, in case of any repeat order/Ammendment of order as per BHEL policies. Observations / Objections, if any, of the Bidder, to the "Unit Price Fixing Factor" shall be brought to the notice of BHEL, during Pre-Bid Stage. No Observations / Objections shall be entertained after the Techno-Commercial Bid is opened.	



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[for Main Supply + Mandatory Spares]

Annexure -[A] of PY 56488

Gas Chromatograph package

Rev 00

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S. No	Material Code	Item Description	Quantity [I]	UNITs	Unit Rate (Rs.) [II]	TOTAL PRICE (Rs.) [I*II]	Weightage (%) for Calculation of Line Item Prices by BHEL Weightage of each item /unit price fixing factor (Refer Note-12) (%)	REMARKS
[A]	Gas Chromatograph - [MAIN SUPPLY]							
(1)	PY9756488000	Gas Chromatograph as per PY56488	1	Set			92.293	
MAIN SUPPLY Total prices (Sub-total of [A]) (Rs.) ::							----- [1]	
[B]	Gas Chromatograph - [Vendor Services]							
(1)	PY9856488010	Supervision of Erection & Full Commissioning Services charges at site including lodging, boarding, local travel, insurance, etc. [Unit Rate = Per man day charges]	3	Days			2.017	
(2)	PY9856488028	Supervision of Erection & Full Commissioning visit charges [i.e. travel expenses like travel to & fro from vendors work to site, clearance charges like visa fee, etc.] [Unit rate = per visit travel expenses]	2	Visits			1.076	
Vendor SERVICES Total prices (Sub-total of [B]) (Rs.) ::							----- [2]	
[C]	Gas Chromatograph - [Mandatory Spares]							
(1)	PY9756488034	Mandatory spares Gas Chromatograph as per PY56488 (BOM as per sheet-4 of this annexure)	1	Set			4.615	
MAIN SUPPLY Total prices (Sub-total of [A]) (Rs.) ::							----- [3]	
Total prices for overall L1 evaluation ([1] + [2] + [3]) (Rs.) ::								



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Annexure -[A] of PY 56488

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S. No	Item Description	Unit Rate (Rs.)	REMARKS
Gas Chromatograph :: Unit rates of main equipment for addition/deletion as per note-10 above			
1	Analyser		Note-11
2	Sample Gas pump		Note-11
3	Sample Gas cooler		Note-11
4	Filter		Note-11
5	Flow monitor		Note-11
6	Preassure Gauge		Note-11
7	Pressure regulator		Note-11
8	ball valve		Note-11
9	Calibration gas cylinder		Note-11
10	Carrier Gas Cylinder		Note-11
11	Sample Probe / meter		Note-11
12	Analyser shelter		Note-11
13	OFC cable / meter		Note-11
14	HDPE Pipe required for OFC cable laying / meter		Note-11
15	Any other Erection / Commissioning material required for completeness of system		Note-11

 		<u>BOM & Price Bid format</u> <u>[for Mandatory Spares]</u>	Annexure -[A] of PY 56488	
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S. No	Item Description	Quantity	Units	Remarks
[C]	Gas Chromatograph Pkg - [Mandatory Spares] :: BOM for Material Code - PY9756488034			
I)	Field Instruments			
1	Pressure gauges & Temperature gauges	10%subject to minimum1No. of each type and size, range, rating and material wise whichever is higher.		Note-(1)
2	Field transmitters for Pressure, Level, DP, Flow and Temperature etc.	10%subject to minimum1No. of each type and size, range, rating and material wise whichever is higher.		Note-(1)
3	RTD/Thermocouple (with Thermowell), Thermowell etc.	10%subject to minimum1No. of each type and size, range, rating and material wise whichever is higher.		Note-(1)
4	Gas detector, fire detector UV/IR Thermal/heat detectors with transmitter	10%subject to minimum1No. of each type and size, range, rating and material wise whichever is higher.		Note-(1)
5	Level gauge glasses	10%subject to minimum1No. of each type and size, range, rating and material wise whichever is higher.		Note-(1)
6	Instrument valve / 3-Way valve manifold / Tube fittings etc.	10% subject to minimum 1 no for each type/size, whichever is higher.		Note-(1)
7	Speed transmitter probe	10% subject to minimum 1 no for each type/size, whichever is higher.		Note-(1)
8	Beacons / Horns for gas detector	10% subject to minimum 1 no for each type/size, whichever is higher.		Note-(1)
II)	Pressure Relief valve and pilot valve of pilot operated PRV			
a)	a) Spring, Nozzle, Seat	5% of total quantity of identical pressure relief valves or minimum one number which ever is higher.		Note-(1)
b)	b) Gasket set, O-Ring set	20% of total quantity of identical pressure relief valves or minimum one number whichever is higher.		Note-(1)
c)	c) Complete Pilot of Pilot operated pressure safety valves	5% of total quantity of identical pilot operated pressure relief valves or minimum one number whichever is higher		Note-(1)
III)	Self actuated regulators	Grouping of valves with respect to size, rating, material & trim type and 10% subject to minimum 1 no. of the following items of each group, whichever is higher : - I. Plug & Seat Assembly II. Gland packing III. Actuator Diaphragm. IV. Bonnet gaskets (for all types)		Note-(1)

NOTES ::

- List and Quantities shall be reviewed during detail engineering.