

**Amendment No: 1 Issued on dated 26/09/2014****Ref: Tender Enquiry No: HLL/PCD/IMPCL-10/14-15 dtd.04/09/2014 issued on 05/09/2014****Following amendments are issued to the above Tender Enquiry Document****In Section I: Notice Inviting Tenders(NIT)****For Clause:****1. Tender No.: HLL/PCD/IMPCL-10/14-15**

SI No.	Description	Schedule
vi.	Closing date & time for receipt of Tender	08.10.2014, 02.00 PM
vii.	Time and date of opening of Techno-Commercial tenders	08.10.2014, 02.30 PM

**Read As:****2. Tender No.: HLL/PCD/IMPCL-10/14-15**

SI No.	Description	Schedule
vi.	Closing date & time for receipt of Tender	15.10.2014, 02.00 PM
vii.	Time and date of opening of Techno-Commercial tenders	15.10.2014, 02.30 PM

**In Section VI: LIST OF REQUIREMENTS****For Clause:****Part IV: Warranty and AMC**

The equipment/goods shall be warranted for 24 month.

One-year service (labour only) for maintenance to be provided after the expiry of warranty period without any additional cost to the Purchaser/ Consignee as and when required.

**Read As:****Part IV: Warranty and AMC**

The equipment/goods shall be warranted **for 12 month**.

One-year service (labour only) for maintenance to be provided after the expiry of warranty period without any additional cost to the Purchaser/ Consignee as and when required.

<b>In Section IX: Qualification Criteria</b>
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**For Clause:**

- (2) Tenderers must have successfully executed (supplied and commissioned) during last five years prior to the date of bid opening, under their company /firm's own name at least 1 (One) order for same or higher capacity Air Compressor as mentioned in List of Requirement/Technical Specification in compliances to cGMP, meeting major specification parameters (CFM and Air Pressure). Documentary evidence (duly signed and stamped) must be enclosed. The performance report from end users/clients in this regard should also be submitted along with the bid, failing which the tender is liable to be ignored.

**Read As:**

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<b>In Section VII: Technical Specification</b>
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**The Technical Specification is replaced as below:**

**COMPRESSED AIR PLANT**

Sl.No.	Description	Unit	Qty.
	<b>Compressed Air System</b> comprising of following:		
1	Oil Lubricated Screw Air Compressor (Air Cooled) at a working Pressure of <b>7.5kg/cm<sup>2</sup></b> for a capacity requirement 250 cfm to 270 cfm	No.	1
2	<b>Refrigerated air dryer.</b> The air dryer shall be using CFC free <b>Ozone friendly refrigerant</b> , air as cooling media and shall be fitted with fine filter, auto drain valve, cyclic controller, control panel, pre-requisite safeties and other accessories as required for effective separation of dust, oil and moisture from the compressed air after cooling. The dryer shall be capable of maintaining the dew point temperature of 1° - 3°C and moisture content level after filter 0.01 mg/cum as per specifications. The air dryer shall be suitable for operation on maximum working pressure of compressor. 230/415V 50 Hz AC supply. The complete air dryer unit shall be skid mounted and enclosed in an acoustic enclosure.  Capacity of air dryer : 250 - 270 CFM	No.	1
3	<b>Vertical type air receiver</b> with auto drain facility and complete with all accessories as required to handle the fluctuating air demands and deliver the compressed air at required pressure. The air receiver shall be manufactured conforming to IS: 2825/ASME SEC VIII. DIV.I pressure vessel codes and	No.	1

	standards. The air receiver shall be suitable to meet the working pressure.		
	Capacity of air receiver: 1500 litre capacity		
4	<b>Pre- Filter</b> with <b>auto</b> drain facility in pressure die cast aluminium casing suitable for operating pressure of 16 bar at the operating temperature of 66 deg.C with all accessories as required. The element in the pre filter shall be replaceable type. The filter shall be able to remove water and oil particles upto the level of 0.05 mg/cum of oil content in compressed air at 21 deg.C.	No.	1
	Capacity of pre filter: 340 CFM		
5	<b>Fine-Filter</b> with <b>auto</b> drain facility in pressure die cast aluminium casing suitable for operating pressure of 16 bar at the operating temperature of 66 deg. C with all accessories as required. The element in the fine filter shall be replaceable type. The filter shall be able to remove water and oil particles upto the level of 0.01 mg/cum of oil content in compressed air at 21 deg. C.	No.	1
	Capacity of fine filter: 340 CFM		
6	<b>Moisture Separator</b> Providing on main line <b>CI/CS/AI</b> . fabricated Moisture Separator, baffle type suitable for operating pressure of 16 Bar, flanged ends suitable for compressed air to remove entrained water particles from air so that they can be drained away by drain trap. Complete with flanges, nuts, bolts, gaskets, washers etc.	No.	1

### PERFORMANCE- AIR COMPRESSOR

Capacity	250 to 270 cfm
Pressure	7.5 bar
Motor	<b>vender to specify</b>
Type of cooling	Air cooled
Starter	Star delta
Control panel	Micro processor- intellisys based or equivalent
Oil used as per 14002 (change)	Synthetic oil every 8000 hours
Sound level	Less than <b>75</b> DBA (CAGI Pneurop standards at free field conditions)
Air out let temperature	8-10 degrees above ambient
<b>Make by</b>	<b>Ingersoll, Cicago Pneumatics, Atlas or Equivalent</b>

### PERFORMANCE- AIR DRYER

AIR DRYER	
TYPE	Refrigerated
Capacity (CFM)	<b>Suitable for 300 cfm</b>
Refrigerant – Type	<b>Ozone friendly</b>

Design Pressure (kg/cm <sup>2</sup> )	12
Supply Voltage and power requirement (V/kw)	230/400/2.5
<b>Make</b>	<b>Ingersoll, Chicago Pneumatics, Atlas or Equivalent</b>

**PERFORMANCE- AIR FILTER**

Free Air Delivery	CFM	340
Discharge Pressure	Bar	16
Filtration	Micron	1
Oil Aerosol	ppm	0.5
<b>Make</b>	<b>Ingersoll, Chicago Pneumatics, Atlas or Equivalent</b>	

**PERFORMANCE- AIR RECEIVER**

Air Receiver	1500 ltrs.
Material of construction- Shell & Dish end	IS 2062 Gr B
Paint	Vender to specify
Safety valve	Spring loaded open Bonnet, Pop type
Other Accessories	Pressure gauge with 4" Dial & Auto Drain/Float valve
<b>Make</b>	<b>Ingersoll, Chicago Pneumatics, Atlas or Equivalent</b>

NOTE (1): Where ever specific make (s)/ equivalent is specified, and in case supplier is supplying equivalent make, he shall obtain prior approval from the purchaser for such equivalent make.

(2): All electrical wiring, connection and trial run are in scope of supplier.

(3) All inter connecting piping between Air compressor , Air Receiver, Filters and Moisture separators etc are excluded from supplier's scope.

(4): Scope of Standard Documentation for Compressor

- Validation documents DQ, OQ, IQ, PQ etc.
- Material Test certificate for contact parts
- Installation & Maintenance Manual
- Spare Part List
- Electrical Diagram
- Schematic Diagram and GA Drawings of all machines showing dimensions should be approved from the purchaser before manufacturing.
- Inspection- By Client/Purchaser or by their nominated agency.
- Trial- No load and with load running for 1(One) Hr at site.
- Final Trial & validation with documents to be provided by supplier.
- Quarterly routine inspection of machines in the defect liability period has to be done by the supplier that without any additional charge to purchaser.
- Installation and commissioning - At client site

**Others:**

**All other contents of the Tender Enquiry Document including terms and conditions of the tender enquiry remain unchanged.**

**.....The End.....**