

**Department of Chemistry**  
**Indian Institute of Technology Kanpur**



**Enquiry No: IITK/CHM/SKK/04**  
**Enquiry Date: 30-04-2015**  
**Closing Date: 14-05-2015**

Dear Sir or Madam: Quotations are invited for "Higher pressure reactor".  
Sealed quotations are invited for the supply of following system as per the specifications mentioned along with complete terms and conditions. Please also send us your client list. Your best offer should reach us on before **14-05-2015** to the following address.

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Sr No	Description	Qty
1	Non Stirred, high Pressure, Temperature metal Reactor, Pot of MOC SS-316	01

**Standard Specifications**

Size & M.O.C	25 mL net filling capacity made from SS 316 solid bar stock & all wetted parts of SS-316.
Pressure	Up to 350 bar
Temperature	350 °C
Nozzles & Fittings	i) External Fittings : Pressure gauge, vent valve, Safety rupture disc, gas inlet- valve & liquid sampling valve mounted on common dip tube.  ii) Internal Fittings : Single tube in tube out type cooling pipe, thermowell, dip tube.

Body & Head Sealing	Teflon Gasket with split clamp type quick opening system with clamp bolts. Body clamps shall be with clits / latches to prevent flying off of clamps in case of over pressure.
Head Mounting Style	Removable head and vessel design.
SS Pressure Regulator	with pressure gauge and 4 m to 5 m long flexible hose pipe with NRV (Viton 'o' Ring) for pressure for H <sub>2</sub> gas cylinder & adaptor for N <sub>2</sub> , O <sub>2</sub> or CO <sub>2</sub> .