

<p>To, M/s. BPCL ESTIMATE MUMBAI . India - 400038. Ph: ,Fax: . Vendor Code:300648</p>	<p>REQUEST FOR QUOTATION Collective RFQ Number/ Purchase Group 1000281139 / N46-DHT SER PROC Contact person/Telephone SINARE ANUP/0222553-3269 Fax : - Email:sinareanup@bharatpetroleum.in Our ref.:</p>	
<p>RFQ No/Date: 6001054800 / 18.05.2017</p>	<p>Quotation Due Date/Time:24.05.2017/12:00:00</p>	
<p>Material/Services required at: M/s. BHARAT PETROLEUM CORPN. LTD MUMBAI REFINERY MAHUL, MUMBAI - 400074 India</p>		
<p>SUBJECT: PIPING WORKS FOR CDU3 REVAMP JOBS AT BPCL, MUMBAI REFINERY.</p> <p>You are invited to quote online through BPCL E-Procurement website https://bpcleproc.in on "Two-Bid-Basis" for the subject work as per the enclosed Tender Documents.</p> <p>Your quoted rates shall be inclusive of all applicable taxes and duties except Maharashtra VAT, Service Tax, Swachh Bharat Cess (SBC) and Krishi Kalyan Cess (KKC), which shall be quoted separately in attached Form-A. Please note that submission of this FORM-A along with Technical / Unpriced Bid is mandatory. Your rates shall remain firm till completion of work. The applicability of Service Tax, Swachh Bharat Cess, Krishi Kalyan Cess and MVAT as a percentage rate of total quoted price shall be clearly mentioned in the Form-A. If the information is not provided, it will be assumed that Service Tax, Swachh Bharat Cess, Krishi Kalyan Cess and MVAT is not applicable. No claim for the Service Tax, Swachh Bharat Cess, Krishi Kalyan Cess and MVAT will be entertained subsequently.</p> <p>Service Tax, Swachh Bharat Cess, Krishi Kalyan cess and MVAT shall be paid after verifying Service tax registration number and MVAT TIN number in invoice. Break up of basic cost, Service tax, SBC, KKC, MVAT shall be provided in all your invoices along with service tax registration number, MVAT TIN number, category of Taxable service (service tax category), type of company and address/ source of supply of material.</p> <p>Any statutory variation in Service Tax, Swachh Bharat Cess, Krishi Kalyan Cess and MVAT within the contractual completion period shall be to BPCL account, against submission of documentary evidence for substantiating the variation by way of relevant notification. However in case of delay in completion period beyond the contractual date, for reasons attributable to contractor, any increase in these rates shall be borne by the contractor, whereas any decrease in rates shall be passed on to the owner.</p> <p>"If any new tax is introduced on sale of goods/services by VENDOR to OWNER in lieu of one or more of the then existing taxes or as a new tax altogether and</p>		
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the rate and impact of the new taxes is less than the rate and impact of existing tax or taxes which it replaces, VENDOR shall pass on to OWNER the benefit thereof by way of commensurate reduction in the amount payable by the OWNER to VENDOR. If on the other hand, the rate of the new taxes is in excess than the rate of the new taxes it replaces, the OWNER on satisfactory proof shall reimburse the VENDOR the additional tax paid by the VENDOR as the result of the imposition of the new taxes provided they are within the contractual completion date.

Explanation: For the purpose of above clause, impact means and includes the addition/reduction of taxes suffered on inputs, input services & capital goods. Further, impact of stranded taxes like CST on Interstate purchases, entry tax/octroi, etc (if applicable) also needs to be considered."

"The vendor shall take steps viz uploading invoice in GSTR 1 , payment of the tax liability on the said invoices and filing of Returns etc. and comply with all the requirements of applicable laws including GST laws for the time being in force to enable the OWNER to avail tax credit/s including input tax credit. Any loss or non-availability of input tax credit by the OWNER due to non-compliance of applicable tax laws including but not limited to GST laws in force or otherwise, on the part of VENDOR, an amount equivalent to any tax liability accruing to the OWNER and/or to the extent of any loss accrued to the OWNER due to the non-availability of input tax credit or any liability accrued to the OWNER shall either stand cancelled or deducted from the payment due to the VENDOR or shall be reimbursed by the VENDOR as the case may be till such default is either rectified or made good by the VENDOR and the OWNER is satisfied that it is in a position to claim valid input tax credit within the time-lines as per applicable laws.

Any cost, liability, dues, penalty, fees, interest as the case may be which accrues to the OWNER at any point of time on account of non-compliance of applicable tax laws or rules or regulations thereof or otherwise due to default on the part of VENDOR shall be borne by the VENDOR. An amount equivalent to such cost, liability, dues, penalty, fees, interest as the case may be shall be reimbursed by the VENDOR within 30 days. Any GST as may be applicable on such recovery of amount shall also be borne by VENDOR and same shall be collected by the OWNER."

VALIDITY : Your quotation shall be valid for period of 120 Days from the Quotation due date/ extended due date whichever is later.

Submission of tenders on line:

Bidders are requested to submit / upload their UNPRICED & PRICED BIDS along with all required documents, on or before the due date by 12.00 hrs., on BPCL E-Procurement website <https://bpcleproc.in> maintained by M/s. E-procurement Technologies Ltd. For submitting the digitally signed copy of the unpriced tender documents as token of acceptance, bidders are required to put tick mark against tender documents in the "Bid common forms" of the E-Tender. In case nothing is mentioned regarding acceptance of the documents in separate

attachment titled 'DEVIATIONS', it will be assumed that all tender documents are acceptable to the bidders. In case of any discrepancy between SOR details in RFQ document and SOR document of E-tender, the details in RFQ document shall supersede.

For any assistance regarding online submission of bids on BPCL E-Procurement web site, you may contact ON +91-22-65354113, 65595111, on all working days (Mon - Fri) between 0900 hrs to 1700 hrs.

Hard copies of the bids shall not be submitted, unless specially asked for by BPCL and the same if submitted shall not be considered for evaluation. The PRICED BID shall be submitted online as per the pricing format given.

DEVIATION :

You are requested to have all your queries clarified before bidding. However, if you still have deviations from our RFQ and the attachments (specifications / scope of work / Drawings) etc. please indicate deviations in your offer under a separate attachment titled 'DEVIATIONS' giving reference to RFQ clause no. Deviations appearing in separate attachment of the E-Tender titled 'DEVIATIONS' shall only be considered while evaluating the offer. In case there are no deviations, please submit "NIL DEVIATIONS". Deviations mentioned elsewhere shall not be considered for evaluation.

NEFT PAYMENT:

Payments to contractors etc. shall be made by National Electronic Fund Transfer (NEFT) only. Payment by cheque will be made only to those vendors whose bank is located in the city where NEFT payment facility is presently not available. Bids received from vendors who are not accepting the NEFT payment terms are likely to be rejected.

MSME CLAUSE:

Owner reserves its right to allow Public Sector Enterprises (Central/ State), purchase preference as admissible/ applicable from time to time under the existing Government policy. Purchase preference to a PSE shall be decided based on the price quoted by PSE as compared to L1 Vendor at the time of evaluation of the price bid.

Clause regarding purchase preference to Micro and Small Enterprises

Owner reserves its right to allow Micro and Small Enterprises (MSEs) and MSEs owned by Scheduled Caste (SC) or the Scheduled tribe (ST) entrepreneurs, purchase preference as admissible/ applicable from time to time under the existing Government policy. Purchase preference to a MSE and a MSE owned by SC/ ST entrepreneurs shall be decided based on the Net Evaluated Price quoted by the said MSEs as compared to L1 Vendor at the time of evaluation of the price bid, in case the contract is divisible. Bidders claiming purchase preference as MSE need to submit the following documents:

- a. Notarized copy of all the pages of the EM-II certificate issued by the appropriate authorities mentioned in the Public procurement policy of MSEs-2012.
- b. Vendors' declaration on a duly notarized Rs.100 stamp paper stating that, in the event of award of contract, all the ordered supplies shall be made from the unit for which MSE certificate has been submitted.

The photocopy of the Valid MSE registration with any notified body specified by ministry of micro, small and medium enterprises should accompany the bid documents. Failing which no price preference will be considered in such cases.

The Net Evaluated Price is the all inclusive delivered price.
Net Evaluated Price = Quoted Basic Price + Excise duty + Freight +local taxes and duties+ Octroi Charges and /or entry tax less Cenvat Benefits on Excise and Input Tax Credit on VAT.

Clause regarding ISO Certification and adherence:

BPCL Mumbai Refinery is an ISO:50001:2011 certified Refinery and is focused on energy efficiency. In line with the same, all contractors providing services for BPCL Mumbai Refinery should preferably deploy energy efficient equipments such as energy efficient welding machines, LED / CFL temporary lighting and temporary window AC of BEE 4-star rating and above for execution of the work.

Please submit following details in the E-Tender attachment titled "reply of point no.13 of special safety conditions" along with techno-commercial bid :-

- a) Complete work injury records per year for the last three years.
b) Total man-hours worked per year for the last three years.
c) Safety assurance plan.
d) No. of supervisors
e) No. of skilled workmen
f) No. of unskilled workmen

In case, reply to Point No.13 is not submitted, bids are likely to be rejected/ bids may not be considered for technical evaluation.

In case of any clarification, please contact BPCL Project Manager, Mr. Tanuj Saxena, Manager Projects on Tel- 022-25533342 Extn: 3342.

The details of IEM (Independent External Monitor) as mentioned in section 8 of our Integrity pact attached:

Name of IEM: Shri. Brahm Dutt
Address: A-1/8 Safdarjung Enclave, New Delhi-110 029.
Mobile: 09871920282.
E-Mail: dutt.brahm@gmail.com

The details of Purchasing / Procuring Officer:

To:M/s. BPCL ESTIMATE MUMBAI - 400038 India (300648)

Name of procuring officer: Mr. Anup Sinare
 office address : P&CS Department, Admin Building,
 BPCL, Mahul Refinery, Mumbai-400074.
 Contact Details : Ext. 022-25523269, Mo. 9619327662.

Item	Material Description	Qty	Unit Delivery date	Unit Basic Rate (in Figures)
00010	Piping works for CDU-3 Revamp jobs		31.08.2017	

The item 00010 covers the following services:

10	Welding CS pipe Non IBR Butt Weld	200	IND (Inch Diameter)
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PIPING NON IBR(ABOVE GROUND):-Transportation of all piping items from Owner's storage point to work site/work shop; fabrication including cutting, edge preparation, (inclusive of grinding the edges of pipe, fittings, flanges etc. to match with the mating edges of uneven/different thickness wherever required); fitup, bending, preheating wherever required, welding, threading, and laying of pipes of all types and thickness over sleepers, overhead on racks and at all elevations, connecting with equipment nozzles, strainers, steam traps, orifice assemblies, spray nozzles, rotameters, tappings for pressure gauges, thermowells, sample connections, springs, sample coolers etc. and fixing of gaskets, bolts, nuts including application of torque wherever required & all other inline instruments and fittings, like elbows, reducers, tees, piping specials such as mitres and fabricated fittings, vents, drains (including reinforcing pads - measurement for RF pads will be paid twice the branch size), SW valves upto 1.5 NB, Steam Supply/ Condensate Recovery stations(Cast/Fabricated), Supply & welding of Strip as per EIL Std 7-51-0112 to all pipes before hydro-testing at exit points of Units for earthing purpose; alignment, cleaning & flushing by water/compressed air, performing Positive Material Identification(PMI) using alloy analysers, completing all such works in all respects (including preparation of As built isometrics) as per the specifications, drawings and instructions of Engineer-in-Charge. PMI shall be performed by third party as defined in PMI spec. Rates for tubing (if any) shall include rates for valves, fittings, all in line instruments and testing etc. Carbon steel piping includes piping of all services including NACE service, H2 service, LTCS piping etc. Quoted rate should include scaffolding at all elevations and locations, arranging all necessary equipments and tools to carry out the job.

Service Item 10: Unit basic rate in words _____

20	Welding CS pipe Non IBR Fillet Weld	200	IND (Inch Diameter)
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PIPING NON IBR(ABOVE GROUND):-Transportation of all piping items from Owner's storage point to work site/work shop; fabrication including cutting, edge

Item	Material Description	Qty	Unit Delivery date	Unit Basic Rate (in Figures)
	<p>preparation, (inclusive of grinding the edges of pipe, fittings, flanges etc. to match with the mating edges of uneven/different thickness wherever required); fitup, bending, preheating wherever required, welding, threading, and laying of pipes of all types and thickness over sleepers, overhead on racks and at all elevations, connecting with equipment nozzles, strainers, steam traps, orifice assemblies, spray nozzles, rotameters, tappings for pressure gauges, thermowells, sample connections, springs, sample coolers etc. and fixing of gaskets, bolts, nuts including application of torque wherever required & all other inline instruments and fittings, like elbows, reducers, tees, piping specials such as mitres and fabricated fittings, vents, drains (including reinforcing pads - measurement for RF pads will be paid twice the branch size), SW valves upto 1.5 NB, Steam Supply/ Condensate Recovery stations(Cast/Fabricated), Supply & welding of Strip as per EIL Std 7-51-0112 to all pipes before hydro-testing at exit points of Units for earthing purpose; alignment, cleaning & flushing by water/compressed air, performing Positive Material Identification(PMI) using alloy analysers, completing all such works in all respects (including preparation of As built isometrics) as per the specifications, drawings and instructions of Engineer-in-Charge. PMI shall be performed by third party as defined in PMI spec. Rates for tubing (if any) shall include rates for valves, fittings, all in line instruments and testing etc. Carbon steel piping includes piping of all services including NACE service, H2 service, LTCS piping etc. Quoted rate should include scaffolding at all elevations and locations, arranging all necessary equipments and tools to carry out the job.</p>			
	<p>Service Item 20: Unit basic rate in words _____</p>			
30	Welding AS (BW) pipe upto14" Thk 10-20mm	1,000	IND	(Inch Diameter)
	<p>PIPING NON IBR (ABOVE GROUND):-Transportation of all piping items from Owner's storage point to work site/work shop; fabrication including cutting, edge preparation, (inclusive of grinding the edges of pipe, fittings, flanges etc. to match with the mating edges of uneven/different thickness wherever required); fitup, bending, preheating wherever required, welding, threading, and laying of pipes of all types and thickness over sleepers, overhead on racks and at all elevations, connecting with equipment nozzles, strainers, steam traps, orifice assemblies, spray nozzles, rotameters, tappings for pressure gauges, thermowells, sample connections, springs, sample coolers etc. and fixing of gaskets, bolts, nuts including application of torque wherever required & all other inline instruments and fittings, like elbows, reducers, tees, piping specials such as mitres and fabricated fittings, vents, drains (including reinforcing pads - measurement for RF pads will be paid twice the branch size), SW valves upto 1.5 NB, Steam Supply/ Condensate Recovery</p>			
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Item	Material Description	Qty	Unit Delivery date	Unit Basic Rate (in Figures)
	<p>stations(Cast/Fabricated), Supply & welding of Strip as per EIL Std 7-51-0112 to all pipes before hydro-testing at exit points of Units for earthing purpose; alignment, cleaning & flushing by water/compressed air, performing Positive Material Identification(PMI) using alloy analysers, completing all such works in all respects (including preparation of As built isometrics) as per the specifications, drawings and instructions of Engineer-in-Charge. PMI shall be performed by third party as defined in PMI spec. Rates for tubing (if any) shall include rates for valves, fittings, all in line instruments and testing etc. Carbon steel piping includes piping of all services including NACE service, H2 service, LTCS piping etc. Quoted rate should include scaffolding at all elevations and locations, arranging all necessary equipments and tools to carry out the job.</p>			
	<p>Service Item 30: Unit basic rate in words _____</p>			

40	Welding AS pipe NON IBR Fillet weld	100	IND	(Inch Diameter)
	<p>PIPING NON IBR (ABOVE GROUND):-Transportation of all piping items from Owner's storage point to work site/work shop; fabrication including cutting, edge preparation, (inclusive of grinding the edges of pipe, fittings, flanges etc. to match with the mating edges of uneven/different thickness wherever required); fitup, bending, preheating wherever required, welding, threading, and laying of pipes of all types and thickness over sleepers, overhead on racks and at all elevations, connecting with equipment nozzles, strainers, steam traps, orifice assemblies, spray nozzles, rotameters, tappings for pressure gauges, thermowells, sample connections, springs, sample coolers etc. and fixing of gaskets, bolts, nuts including application of torque wherever required & all other inline instruments and fittings, like elbows, reducers, tees, piping specials such as mitres and fabricated fittings, vents, drains (including reinforcing pads - measurement for RF pads will be paid twice the branch size), SW valves upto 1.5 NB, Steam Supply/ Condensate Recovery stations(Cast/Fabricated), Supply & welding of Strip as per EIL Std 7-51-0112 to all pipes before hydro-testing at exit points of Units for earthing purpose; alignment, cleaning & flushing by water/compressed air, performing Positive Material Identification(PMI) using alloy analysers, completing all such works in all respects (including preparation of As built isometrics) as per the specifications, drawings and instructions of Engineer-in-Charge. PMI shall be performed by third party as defined in PMI spec. Rates for tubing (if any) shall include rates for valves, fittings, all in line instruments and testing etc. Carbon steel piping includes piping of all services including NACE service, H2 service, LTCS piping etc. Quoted rate should include scaffolding at all elevations and locations, arranging all necessary equipments and tools to carry out the job.</p>			

Item	Material Description	Qty	Unit Delivery date	Unit Basic Rate (in Figures)
Service Item 40: Unit basic rate in words _____				
50	Welding AS (BW) pipe 16"-24" Thk 20-30mm	1,200	IND	(Inch Diameter)
<p>PIPING NON IBR (ABOVE GROUND):-Transportation of all piping items from Owner's storage point to work site/work shop; fabrication including cutting, edge preparation, (inclusive of grinding the edges of pipe, fittings, flanges etc. to match with the mating edges of uneven/different thickness wherever required); fitup, bending, preheating wherever required, welding, threading, and laying of pipes of all types and thickness over sleepers, overhead on racks and at all elevations, connecting with equipment nozzles, strainers, steam traps, orifice assemblies, spray nozzles, rotameters, tappings for pressure gauges, thermowells, sample connections, springs, sample coolers etc. and fixing of gaskets, bolts, nuts including application of torque wherever required & all other inline instruments and fittings, like elbows, reducers, tees, piping specials such as mitres and fabricated fittings, vents, drains (including reinforcing pads - measurement for RF pads will be paid twice the branch size), SW valves upto 1.5 NB, Steam Supply/ Condensate Recovery stations(Cast/Fabricated), Supply & welding of Strip as per EIL Std 7-51-0112 to all pipes before hydro-testing at exit points of Units for earthing purpose; alignment, cleaning & flushing by water/compressed air, performing Positive Material Identification(PMI) using alloy analysers, completing all such works in all respects (including preparation of As built isometrics) as per the specifications, drawings and instructions of Engineer-in-Charge. PMI shall be performed by third party as defined in PMI spec. Rates for tubing (if any) shall include rates for valves, fittings, all in line instruments and testing etc. Carbon steel piping includes piping of all services including NACE service, H2 service, LTCS piping etc. Quoted rate should include scaffolding at all elevations and locations, arranging all necessary equipments and tools to carry out the job.</p>				
Service Item 50: Unit basic rate in words _____				
60	Erection of AS pipelines 12"-18"	3,000	INM	(Inch Meter)
<p>Rate per Inch Meter for erection of pipelines mainly 12" and 18" AS line, alignment and making of flange joints/ primary supports/ clamps etc for all heights. Quoted rate should include scaffolding at all elevations and locations, arranging all necessary equipments and tools to carry out the job.</p>				
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Item	Material Description	Qty	Unit Delivery date	Unit Basic Rate (in Figures)
	Service Item 60: Unit basic rate in words _____			
70	Valves Removal/ Erection (upto 600#)	100	IND (Inch Diameter)	
	<p>Rate Per Inch Dia of valve for removal or erection of valves upto 600# rating including check valves/ globe valves/ plug valves/ gate valves/ control valves/ relief valves (for relief valves, payment will be made as per larger flange size) at all elevation and heights as directed by Engineer-in-charge. Quoted rate should include scaffolding at all elevations and locations, arranging all necessary equipments and tools to carry out the job.</p>			
	Service Item 70: Unit basic rate in words _____			
80	Pipe Supports for CS (Owner Suppli	1.000	MT (Tonnes)	
	<p>Fabrication, erection (at all elevations) of pipe supports like shoes, cradles, hangers, clamps(of all sizes/thicknesses manufactured by forming method using die), turn buckles, saddles, guides, special supports, pads(including corrosion pads & protection shields), providing and welding of stiffeners as per drawings, T post etc. of all types including supply and application one coat of primer, all necessary equipments, consumables, labour, providing necessary scaffolding, returning surplus materials and scrap etc to owner's storage points and completing work as per drawings, specifications and instructions of Engineer-in-charge. Modifications/rectifications, if required; and adjustment/ alignment during pre-commissioning, commissioning as per the instructions of Engineer-in-charge.</p>			
	Service Item 80: Unit basic rate in words _____			
90	Pipe Supports for AS (Owner Suppli	1.000	MT (Tonnes)	
	<p>Fabrication, erection (at all elevations) of pipe supports like shoes, cradles, hangers, clamps(of all sizes/thicknesses manufactured by forming method using die), turn buckles, saddles, guides, special supports, pads(including corrosion pads & protection shields), providing and welding of</p>			
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Item	Material Description	Qty	Unit Delivery date	Unit Basic Rate (in Figures)
	stiffeners as per drawings, T post etc. of all types including supply and application one coat of primer, all necessary equipments, consumables, labour, providing necessary scaffolding, returning surplus materials and scrap etc to owner's storage points and completing work as per drawings, specifications and instructions of Engineer-in-charge. Modifications/rectifications, if required; and adjustment/ alignment during pre-commissioning, commissioning as per the instructions of Engineer-in-charge.			
	Service Item 90: Unit basic rate in words _____			
100	CS Str. Steel (Contr. Supplied)	1.000	MT (Tonnes)	
	Supply, Fabrication, erection (at all elevations) of platforms, pipe supports like shoes, cradles, hangers, clamps (of all sizes/thicknesses manufactured by forming method using die), turn buckles, saddles, guides, special supports, pads (including corrosion pads & protection shields), providing and welding of stiffeners as per drawings, T post etc. of all types including supply and application one coat of primer, all necessary equipments, consumables, labor, providing necessary scaffolding and completing work as per drawings, specifications and instructions of Engineer-in-charge. Modifications/rectifications, if required; and adjustment/ alignment during pre-commissioning, commissioning as per the instructions of Engineer-in-charge.			
	Service Item 100: Unit basic rate in words _____			
110	Hardness Test	100	IND (Inch Diameter)	
	Carrying out hardness testing of weld joints on all types of piping as called for on shop / site fabricated already erected system including supply of all materials, instrument set., providing all normal & special equipment and gadgets, skilled / unskilled labour, specialist, supervisory staff, scaffolding at all elevations and locations and completing the work in all respects as per specifications and instructions of engineer-in-charge. The joints under this head do not include Stress Relieved joints. Joints which do not meet the hardness requirement as per spec shall be stress relieved and re tested on contractor's cost. No separate payment shall be made for this.			
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Item	Material Description	Qty	Unit Delivery date	Unit Basic Rate (in Figures)
	Service Item 110: Unit basic rate in words _____			
120	Stress Relieving	2,200	IND	(Inch Diameter)
<p>Carrying out stress relieving of weld joints, including all types of attachment welds (corrosion pads, protection shields, supports, etc.), as applicable, on all types of piping as called for on shop/site fabricated already erected system including supply of all materials, consumables recording devices, insulation materials, instruments etc., providing all normal & special equipment and gadgets, skilled/unskilled labour, specialist, supervisory staff, scaffolding at all elevations and locations and completing the work in all respects as per specifications and instructions of Engineer-in-Charge. Repeat performance due to defective stress relieving or any other account shall be on Contractor's cost. Payment shall be done only after submission and approval of charts. Stress relieving shall be followed by measurement of hardness and no separate payment shall be made for this.</p>				
Service Item 120: Unit basic rate in words _____				
130	Modification Flame Cutting AS Pipe	50	IND	(Inch Diameter)
<p>Flame Cutting of different sizes of AS (IBR /NON IBR) piping of all types and thickness in shop, in position, on ground/overhead on rack and at all elevations; transportation of pipes, fittings, flanges etc from owner's storage point to work site/ work shop, making necessary scaffoldings, consumables, machinery, tools, tackles, labour and supervision including attending repairs for completing the work as per the instruction of Engineer-in-charge</p>				
Service Item 130: Unit basic rate in words _____				
140	Modification Hacksaw Cutting AS Pipe	50	IND	(Inch Diameter)
<p>Hacksaw Cutting of different sizes of AS (IBR /NON IBR) piping of all types and thickness in shop, in position, on ground/overhead on rack and at all</p>				
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Item	Material Description	Qty	Unit Delivery date	Unit Basic Rate (in Figures)
	elevations; transportation of pipes, fittings, flanges etc from owner's storage point to work site/ work shop, making necessary scaffoldings, consumables, machinery, tools, tackles, labour and supervision including attending repairs for completing the work as per the instruction of Engineer-in-charge			
	Service Item 140: Unit basic rate in words _____			
150	Modification Bevelling Cutting AS Pipe	50	IND (Inch Diameter)	
	Beveling of different sizes of AS (IBR /NON IBR) piping of all types and thickness in shop, in position, on ground/overhead on rack and at all elevations; transportation of pipes, fittings, flanges etc from owner's storage point to work site/ work shop, making necessary scaffoldings, consumables, machinery, tools, tackles, labour and supervision including attending repairs for completing the work as per the instruction of Engineer-in-charge			
	Service Item 150: Unit basic rate in words _____			
160	Modification Fitup & Welding AS Pipe	50	IND (Inch Diameter)	
	Fitup & Welding of different sizes of AS (IBR /NON IBR) piping of all types and thickness in shop, in position, on ground/overhead on rack and at all elevations; transportation of pipes, fittings, flanges etc from owner's storage point to work site/ work shop, making necessary scaffoldings, consumables, machinery, tools, tackles, labour and supervision including attending repairs for completing the work as per the instruction of Engineer-in-charge			
	Service Item 160: Unit basic rate in words _____			
170	Pipes Dismantling CS/AS	200	INM (Inch Meter)	
	Removal of piping existing/ erected including SW valves for modification as			
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Item	Material Description	Qty	Unit Delivery date	Unit Basic Rate (in Figures)
	<p>required as per Drawings/P&IDs/instructions of Engineer-in-charge at all elevations, including providing assistance to owner for draining, cleaning and purging of the lines to be removed, unbolting of flanged joints /cutting of pipe lines wherever required, installation of flanges and blind flanges, removal of insulation from insulated lines, removing supports, steam tracers, all fittings and flanges, instruments etc, cutting of pipes in appropriate length for transporting purposes, cleaning, flushing, drying and transporting all materials to storage point(within the complex battery limits) designated by Owner/EIL including stacking of material and disposing of waste etc to scrap yard/ outside refinery as instructed by Engineer-in-charge. Quoted rate should include scaffolding at all elevations and locations, arranging all necessary equipments and tools to carry out the job.</p> <hr/> <p>Service Item 170: Unit basic rate in words _____</p>			
180	Semi Skilled (With hand tools)	150	MDY (Mandays)	
	<p>Carrying out Pre-commissioning /Commissioning activities such as dropping the valves, control valves and spool pieces, air and water flushing and air-blasting, steam blowing, air drying, re-installing the valves, control valves and spool pieces, leak testing etc. as per pre-commissioning / commissioning specification/ procedure and instruction of Engineer-in-charge including supply of necessary hand tools, equipments/ machinery, consumables (electrodes, filler wire, gas, card board, target plate, scaffolding etc. wherever required) and with single point responsibility of Contractor's supervision. Note : This manpower will be utilized for Pre-commissioning & Commissioning requirement over and above that already described elsewhere in this SOR. One Man day is 12 hour duty. Semi Skilled workers includes Supervisor & rigger</p> <hr/> <p>Service Item 180: Unit basic rate in words _____</p>			
190	Helper/ Unskilled	50	MDY (Mandays)	
	<p>Carrying out Pre-commissioning /Commissioning activities such as dropping the valves, control valves and spool pieces, air and water flushing and air-blasting, steam blowing, air drying, re-installing the valves, control valves and spool pieces, leak testing etc. as per pre-commissioning / commissioning specification/ procedure and instruction of Engineer-in-charge</p>			
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Item	Material Description	Qty	Unit Delivery date	Unit Basic Rate (in Figures)
	including supply of necessary hand tools, equipments/ machinery, consumables (electrodes, filler wire, gas, card board, target plate, scaffolding etc. wherever required) and with single point responsibility of Contractor's supervision. Note : This manpower will be utilized for Pre-commissioning & Commissioning requirement over and above that already described elsewhere in this SOR. One Man day is 12 hour duty. Unskilled workers includes helper of welder/ fitter/grinder/rigger			
	Service Item 190: Unit basic rate in words _____			
200	Equipment hiring - Trailer/Truck/ Canter	5	S12 (Shift of 12 Hours)	
	Rate per 12 hours shift for Hiring of trailer/ truck/ canter for providing support in shifting of material during pre-commissioning & commissioning activities. Hiring of equipment may be done for 4 hrs, 8 hrs also. Payment for which will be made on prorata basis.			
	Service Item 200: Unit basic rate in words _____			
210	Ultrasonic testing	500	IND (Inch Diameter)	
	Unit of measurement is Inch Dia. Performance of ultrasonic examination on piping using advanced techniques like PAUT and TOFD for examining the Weld trueness.(Repeat testing due to defective report on repaired joints due to contractors's fault and for additional testing necessitated due to poor performance of contractor's welders shall be done at contractor's cost)interpretation shall be from Level 3 inspector only. UT machine and consumable shall be in contractor's scope and report of UT shall be submitted to the owner.			
	Service Item 210: Unit basic rate in words _____			
220	Conventional radiography	3,000	IND (Inch Diameter)	
	Unit of measurement is Inch Dia. Performance of Radiography examination on piping using Ir-192 source for			
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Item	Material Description	Qty	Unit Delivery date	Unit Basic Rate (in Figures)
	examining the Weld trueness.(Repeat testing due to defective report on repaired joints due to contractors's fault and for additional testing necessitated due to poor performance of contractor's welders shall be done at contractor's cost). Radography unit and consumable shall be in contractor's scope. Conventional radiography is applicable to process piping as per instruction of Engineer-in-charge.			
	Service Item 220: Unit basic rate in words _____			
230	Painting of insulated line BPCL System 4	2,000	INM (Inch Meter)	
	Unit of mesurement is INCH METER of pipe.			
	Service Item 230: Unit basic rate in words _____			
240	Insulation Pipes, thk 70 mm	1,000	INM (Inch Meter)	
	Providing thermal insulation including supply of all insulating (both lagging and cladding) and ancillary materials, vapour barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required, including transportation of materials to work site, duly inspected by 3rd party inspector (Llyods/BV/DNV or any other Client approved party) at manufacturer's shop & sample check/inspection at site by EIL Construction inspector, applying insulation (both lagging & cladding) on surfaces as specified including all preparatory work there on, binding, tying, lacing, stitching and/or otherwise securing , finishing with sheet cladding as per spec., providing bolts, rivets, and self tapping screws wherever specified, providing inspection windows, end seals for flanges etc., colour coding and identification. Providing steel scaffolding, all tools, tackles, equipments etc, labour, supervision and completing the work in all respect, at all heights as per drawings, specifications and instructions of Engineer-in-charge. (Refer Legend for applicable EIL specification)			
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Item	Material Description	Qty	Unit Delivery date	Unit Basic Rate (in Figures)
<hr/> Service Item 240: Unit basic rate in words _____				

250	Insulation Pipes, thk 90 mm	1,200	INM (Inch Meter)
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Providing thermal insulation including supply of all insulating (both lagging and cladding) and ancillary materials, vapour barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required, including transportation of materials to work site, duly inspected by 3rd party inspector (Llyods/BV/DNV or any other Client approved party) at manufacturer's shop & sample check/inspection at site by EIL Construction inspector, applying insulation (both lagging & cladding) on surfaces as specified including all preparatory work there on, binding, tying, lacing, stitching and/or otherwise securing , finishing with sheet cladding as per spec., providing bolts, rivets, and self tapping screws wherever specified, providing inspection windows, end seals for flanges etc., colour coding and identification. Providing steel scaffolding, all tools, tackles, equipments etc, labour, supervision and completing the work in all respect, at all heights as per drawings, specifications and instructions of Engineer-in-charge. (Refer Legend for applicable EIL specification)

Item	Material Description	Qty	Unit Delivery date	Unit Basic Rate (in Figures)
Service Item 250: Unit basic rate in words _____				
260	Hydrotest of pipelines	4,000	INM (Inch Meter)	
<p>Job involves carrying out hydrotest of pipelines/tubes etc at the specified pressure including spading/despading, arranging hydro testing pumps and accessories, attending leaky flange joints, valve gland packing etc, offering the same for inspection and clearing the same, as per the directions of the engineer-in-charge, inclusive of depressurising & drying. Quoted rate should include boxup of line i.e. missing stud & nuts, gaskets, removal of any welded cleats, grinding off any cleat marks, arranging calibrated pressure gauges, scaffolding at all elevations and locations, arranging all necessary equipments and tools to carry out the job. Spades/ blinds for hydrotest are to be arranged by the contractor.</p>				
Service Item 260: Unit basic rate in words _____				
<p>Service Tax% _____ VAT% _____ CST% _____</p>				
*	<p>01 Scope of Work BHARAT PETROLEUM CORPORATION LTD. (BPCL), Mumbai Refinery intends to carryout mainly 18" and 12" Alloy steel piping job related to CDU-3 Revamp project. Jobs involving piping work and manpower assistance for commissioningof CDU-3 revamp section.</p> <p>ENGINEER-IN-CHARGE (EIC) - ENGINEERS INDIA LIMITED (EIL)</p> <p>EIL JOB SPECIFICATION TO BE FOLLOWED WHEREVER APPLICABLE EXCEPT FOR PAINTING. FOR PAINTING BPCL SPECIFICATION AE-S-5430 REV.1 TO BE FOLLOWED</p> <p>CONTRACTOR SCOPE OF SUPPLY - The contractor's scope of supply shall be included but not limited to the following:</p> <ol style="list-style-type: none"> 1. All necessary equipments, tools & tackles, machinery, skilled/unskilled labour, scaffolding as required for completion of work. 2. Suitable crane/hydra/trailer for erection, loading, unloading & shifting of pipes, valves and other material. 3. All kinds of consumables such as welding electrodes, filler wire, 			
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Item	Material Description	Qty	Unit Delivery date	Unit Basic Rate (in Figures)
	<p>industrial gases, grinding wheels, cutting wheels, plasma cutting set, temporary gaskets/temporary fasteners etc.</p> <p>4. Water and electricity can be supplied to contractor by BPCL on chargeable basis. Rate per unit for electricity is Rs 9.5 & rate per cubic meter for water is Rs 79.31. However, rates are subjected to change depending upon rates charged by BMC/other agencies. However, BPCL do not have any binding to provide water and electricity to contractor. BPCL can stop water and electricity without any prior notification.</p> <p>5. Recorders for SR, radiography source</p> <p>6. Insulation & cladding material</p> <p>7. Paints</p> <p>8. Cutting of spades/ blinds</p> <p>9. Hydrotest pumps, hoses for water filling, pressure gauge, end connections</p> <p>BPCL SCOPE OF SUPPLY -</p> <p>1. Pipes, fittings, valves, gaskets, fasteners etc. for fabrication and erection of piping</p> <p>2. Steam, steam hose, nitrogen for purging of lines/flushing.</p> <p>COMPLETION PERIOD: Contractual completion period shall be 03 months from the date of PO/ LOA, whichever is earlier.</p> <p>LD CLAUSE - IN CASE OF DELAY, 0.5% / WEEK OF DELAY OR PART THEREOF UPTO A MAX. 5% OF THE EACH INDIVIDUAL PO / CONTRACT VALUE SHALL BE RECOVERED.</p> <p>In the event of award of contract, bidders to note that the executed quantities of the SOR items may vary +/- any percentage. In case of change in L-1 status based on concluded executed quantities, the L1 bidder shall offer necessary discount to BPCL to ensure their L1 status.</p> <p>Minimum two numbers of portable H2S detectors per work location shall be ensured by contractors while working in refinery plant areas. The portable H2S gas detectors should be with valid calibration certificate. The portable H2S gas detectors should be from reputed make such as Honeywell, Drager, MSA.</p> <p>Existing penalty for "Violation of permit conditions" as per Sr No 3 of existing "financial deterrents" shall be applicable for the non-compliance with respect to the point no 1.</p> <p>TERMS OF PAYMENT:</p> <p>100% Payment will be made on the basis of actual executed quantities after satisfactory completion and due certification by EIL/ BPCL Engg-in-charge as per following break up.</p> <p>a) For all items except Supply of manpower/hydra/MAC:</p>			
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Item	Material Description	Qty	Unit Delivery date	Unit Basic Rate (in Figures)
	<p>i) 90% payment on completion of fabrication, shot blasting & primer painting & erection at site.</p> <p>ii)10% on completion of Hydrotest.</p> <p>b)For all supply of manpower/hydra: 100% payment will be made on the basis of actual executed quantities after satisfactory completion and due certification by EIL/BPCL Engineer-in-charge.</p> <p>10% amount from each running bill will be deducted as retention money. IN LIEU OF RETENTION MONEY, CONTRACTOR SHALL SUBMIT BANK GUARANTEE OF EQUIVALENT AMOUNT OF RETENTION MONEY (10% OF CONTRACT VALUE) BEFORE SUBMISSION OF 1ST R.A. BILL VALID FOR DEFECTS LIABILITY PERIOD OF SIX MONTHS. Further, the Bank Guarantee shall have a claim period of three months beyond the date of expiry, and the same shall be mentioned clearly in the Bank Guarantee.</p> <p>MANPOWER CLAUSE: Since time is essence for this project, penalty clause is introduced. Contractor has to mobilise the min. manpower and machinery as mentioned below in 1 week from the date of issue of LOI. In case of failure to mobilize, penalty per person/machinery per 12 hrs shift will be imposed. Penalty per skillset/ equipment will be manpower/ machinery rate quoted by the contractor against SOR items of pre-commissioning assistance or as mentioned below against each item. Penalty amounts will be deducted from the monthly running account bills. However, maximum liability against penalty amount for non-mobilization can be 3% of the executed contract value.</p> <p>In case of non-availabilty of front contractor can reduce the manpower after prior approval from EIC.</p> <p>Supervisor - 4 nos Fitters - 08 nos Welders - 08 nos Grinder - 08 nos Gascutter - 4 nos Riggers - 15 nos Farhana - 1 nos.</p>			
*	02	General Conditions of Contract		
*	03	General Terms & Conditions		
*	04	Special Safety Conditions		
*	05	Financial Deterrent: HSE Policy		
*	06	Integrity Pact		
*	07	QEHSS Policy		
*	08	Energy Policy		
*	09	Hydra Ban		
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To:M/s. BPCL ESTIMATE MUMBAI - 400038 India (300648)

Grand Total (inclusive of all taxes, duties/charges etc)

In figure:

In Words :

TERMS & CONDITIONS

Important Notice

Sr.No	Description
001	Quotation received after due date will not be entertained
002	Your quotation must specify exact amount or percentage discount, Excise, S.T., Charges, Transport, Packing & forwarding, Octroi, etc. as applicable.
003	In case you are unable to quote, kindly send the quotation with a regret for our records. Non-receipt of a regret will adversely affect your vendor rating.
004	No quotation will be accepted without your rubber stamp and signature.
005	Your quotation must be strictly in enclosed envelope indicating Collective RFQ No., RFQ No. and due date.
006	For all future correspondences please mention the vendor code Collective RFQ Number & RFQ Number.
007	Retention Money 10 % shall stand deducted from each and every running bill submitted in the event of contract is awarded.

LIST OF ENCLOSURES

1. Scope of Work
2. General Conditions of Contract
3. General Terms & Conditions
4. Special Safety Conditions
5. Financial Deterrent: HSE Policy
6. Integrity Pact
7. QEHSS Policy
8. Energy Policy
9. Hydra Ban

To:M/s. BPCL ESTIMATE MUMBAI - 400038 India (300648)

-----Tear off Portion to be pasted on the envelope containing offer-----

Collective RFQ No. : 1000281139

Our Reference:
RFQ No. : 6001054800
Subject:

Due Date : 24.05.2017
Due Time : 12:00:00

To,

Purchase Group : N46-DHT SER PROC