

<p>To, M/s. BPCL ESTIMATE MUMBAI . India - 400038. Ph: ,Fax: . Vendor Code:300648</p>	<p>REQUEST FOR QUOTATION Collective RFQ Number/ Purchase Group 1000231573 / N27-CDU IV - SER. PROC Contact person/Telephone SINARE ANUP/-3269 Fax : - Email:sinareanup@bharatpetroleum.in Our ref.:</p>	
<p>RFQ No/Date: 6000827063 / 16.04.2015</p>	<p>Quotation Due Date/Time:28.04.2015/12:00:00</p>	
<p>Material/Services required at: M/s. BHARAT PETROLEUM CORPN. LTD MUMBAI REFINERY MAHUL, MUMBAI - 400074 India</p>		
<p><u>SUBJECT:PIPING COMMISSIONING JOBS CDU-4 OSBL.</u></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 and service tax which shall be quoted separately in attached <u>Form-A. Please note that submission of this FORM-A alongwith Technical / Unpriced Bid is mandatory.</u> Your rates shall remain firm till completion of work. The applicability of service tax 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 and MVAT is not applicable. No claim for the service tax and MVAT will be entertained subsequently.</p> <p>Service tax and MVAT shall be paid after verifying Service tax registration number, MVAT TIN number, Break up of basic cost & Service tax, MVAT and Ecess shall be provided in all your invoices along with service tax registration no., MVAT TIN no., category of Taxable service (service tax category), type of company and address/ source of supply of material.</p> <p>Any <u>statutory variation</u> in service tax 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>VALIDITY : Your quotation shall be valid for period of 120 Days from the Quotation due date/ extended due date, whichever is later.</p> <p><u>Submission of tenders on line:</u></p> <p>Bidders are requested to submit / upload their UNPRICED & PRICED BIDS along</p>		
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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 ETL Helplines 91-22-65354113/65595111 or Mr. Abhishek Parsai on Telephone no. 8655885473 or 022-25540717 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 number. 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.

In case the charges like, freight, Octroi charges and/or entry tax are not indicated explicitly in the bid, BPCL will consider the standard % as deemed fit for estimation

Please submit folowing 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 and
- 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 required regarding site visit, please contact BPCL, Mr. SHUBHENDRA SAHA, OFFICER PROJECTS on Tel-022-25534353.

In case of any clarification, please contact BPCL Engineer-in-charge, Mr. BHOWMIK S. K., SR. MANAGER PROJECTS on Tel - 022-25533348 Extn : 3348.

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

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

Name of IEM: Shri Brahm Dutt
 IEM address:1/8 Safdarjung Enclave, New Delhi - 110 029.
 IEM mobile no:09871920282
 IEM E-mail ID: dutt.brahm@gmail.com

The details of Purchasing/Procuring Officer:-
 Name of procuring officer: Mr. Anup Sinare
 office address:P&CS Department, Admin Building,
 BPCL Refinery, Mumbai-400074.
 Contact Details: 022-25523269, Mo. 9619327662.

Item	Material Description	Qty	Unit Delivery date	Unit Basic Rate (in Figures)
00010	Piping Commissioning Jobs CDU 4 OSBL		27.08.2015	

The item 00010 covers the following services:

10	Piping Fabrication & Welding	30,000	IND	(Inch Diameter)
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Rate per inch dia of weld joints for fabrication of carbon steel/ GI pipe, non IBR pipes (upto sch 80). Fabrication including cutting, edge preparation (inclusive of grinding the edges of pipe, fittings, flanges, elbows, tees, reducers, valves and fittings etc. to match with the mating edges of uneven / different thickness wherever required), fit up, bending, preheating wherever required, welding of shoes as specified, In All Joints of GI piping Galoseal paint will be applied locally after welding

Service Item 10: Unit basic rate in words _____

20	Pipe Erection	40,000	INM	(Inch Meter)
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Rate in inch meter for erection of pipes of all sizes and thickness over sleepers, overhead on racks and at all elevations ,connecting with equipment nozzles, strainers, orifice assemblies, spray nozzles, rotameters, tapping for pressure gauges, thermowells, sample connection including transportation of free issue materials from ware house to the respective locations/fabrication yard, isolation of the line, welding and erection of all on line instruments like vent/drains, monitors, hydrants etc. providing of temporary pipe supports/sleepers during the laying process, fixing of gaskets, bolts, nuts wherever required, supply of all tools, tackles, labour, safety gadgets etc, cleaning & flushing by water / compressed air, hydrostatic, pneumatic, vacuum and any other type of testing as specified, draining, drying by compressed air, cardboard blasting completing all such works in all respects as per specification, drawings and instruction of Engineer-in-Charge

Item	Material Description	Qty	Unit Delivery date	Unit Basic Rate (in Figures)
	Service Item 20: Unit basic rate in words _____			
30	Branch Connection with RF pad	300	IND	(Inch Diameter)
	<p data-bbox="248 584 1461 707">Fabrication of reinforcing pads for pipe connection wherever required (from pipes only supplied by the Owner) and erection, fitup, welding & testing (including DP/MP) if required of the same and as per the specifications, drawings and instructions of the Engineer-in-Charge.</p> <p data-bbox="248 712 1493 770">Rate per inch dia of welding branch connections. Rate per inch dia of welding branch connections.</p>			
	Service Item 30: Unit basic rate in words _____			
40	Spading/Despading	2,000	IND	(Inch Diameter)
	<p data-bbox="248 1032 1509 1189">Carrying out spading /despading required for commissioning and decommissioning of existing lines wherever required for hooking up new lines, and commissioning of new lines in segments/loops as the case may be. This work includes graphiting if required, wedge opening for spading and boxing up of flanges using appropriate gaskets after despading.</p> <p data-bbox="248 1193 1509 1473">Spading/despading will be paid for the lines/system isolation to enable contractor to work. No claims will be entertained for spading/despading required for spools hydrotesting & required flanged or screwed pressure gauge assembly, water filling, water drain connection. Measurement will be based on nominal pipe size. Rate is applicable for single operation i.e either spading or despading. If required contractor will be required to fabricate spades from plate material provided by BPCL and no separate charges will be paid for making spades. The rate shall be applicable for spading or despading i.e. separate payment will be made for spading and despading.</p>			
	Service Item 40: Unit basic rate in words _____			
50	Line Hydrotesting	50,000	INM	(Inch Meter)
	<p data-bbox="248 1738 1477 1827">Job involves carrying out hydrotesting of Piping/tubes etc. at the specified pressure including arranging hydrotesting pumps and accessories, attending leakage flange joints, valve gland packing, offering the same for inspection</p>			
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Item	Material Description	Qty	Unit Delivery date	Unit Basic Rate (in Figures)
	and clearing and depressurizing the same as per the directions of the Engineer In Charge.			
	Service Item 50: Unit basic rate in words _____			
60	Manpower Assistance	7,000	EA (each)	
	Provision of providing labour for a duration of 10 hours for carrying out necessary jobs / assistance for pre-commissioning / commissioning as per instructions of BPCL area incharge. This rate shall not be applicable for manpower required for jobs being carried out by the contractor as per other line items scope in the contract			
	Service Item 60: Unit basic rate in words _____			
70	Radiography of weld joints	2,000	IND (Inch Diameter)	
	Carry out radiography of all weld joints as per BPCL standards. Supply of all equipments, material and other facilities required for this job shall be in contractor's scope. The contractor shall deploy the radiographer having proper authourisation, dark room and source pit facility inside BPCL refinery. The radiography films shall be submitted to BPCL Inspection. Repair and reshoot joints shall not be paid extra to the contractor			
	Service Item 70: Unit basic rate in words _____			
80	Painting class 1A	1,500	M2 (Square meter)	
	Application of paint , identification lettering, colour coding etc. as specified including rub down and repaires to touch up of shop primer if required, providing scaffolding for all heights , including supply of labour,material,tools and tackles, consumables, supervision etc.to complete the work in all respect as per specifications,drawings and instructions of engineer incharge. Type of paints, their spec.,thickness and application to be recognized from BPCL spec. AE - DEP - C 3 and as per BPCL colour coding standard.			
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Item	Material Description	Qty	Unit Delivery date	Unit Basic Rate (in Figures)
	Service Item 80: Unit basic rate in words _____			
90	Pad welding	1,500	IND (Inch Diameter)	
	Rate per inch dia. for fabrication ;erection and welding of CS pads on pipelines at all elevations as per BPCL Specification after removal of paint/rust/scales/FRE lining from its resting point.			
	Service Item 90: Unit basic rate in words _____			
100	Structural - Fabrication & Erection	70.000	MT (Tonnes)	
	Supply,Fabrication and Erection of struct. steel work, shot blast, zinc silicate primer, epoxy paint Supplying, developing fabrication drawings & fabricating bolted/ welded structural steel work at all levels including all built up sections/ compound sections using M.S. rolled section/ plates/ chequered plates etc. conforming to IS:2062 and relevent IS specifications in various steel structures like mono rail, brackets, cat ladder, beams, columns, trusses, bracings, approach platform or any other structure, including transporting fabricated structural steel, finishing edges by grinding, fixing in line & level with temporary staging & removal of the same after erection, grouting with Non shrink grout, preparing the surface for painting by shot blasting to swedish standard Sa 2.5 and painting with air spray one coat of zinc silicate primer of 60 microns DFT at shop, painting with brush one coat of tie coat epoxy based of 30 microns DFT with two coats of HB polyimide cured epoxy paint each of 75 microns DFT at site (total 240 microns DFT)			
	Service Item 100: Unit basic rate in words _____			
110	Scaffolding - Erection & Dismantling	2,000.000	M3 (Cubic meter)	
	Rate per M3 for erection of steel tubular scaffolding of suitable lengths at all heights and locations as per BPCL standards with Contractor's Scaffolding materials. The scope includes dismantling of the same after completion of the job.			
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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	Sup., Fab. & Erec. of galvanised grating	15.000	MT (Tonnes)	
	<hr/> Supplying fabricating and erecting galvanised grating in Stair tread ,walkways, platforms, catchpits Supplying, fabricating & erecting in position bolted and/ or welded Hot dipped galvanised grating in Stair tread walkways, platforms, catchpits etc (fabricated as per BPCL standard drawing) made out of contractors own MS plates, chequered plate, MS flats, HSD reinforcement bars including cutting to required size, shape, making hole of required size, making the edges smooth, getting it hot dip galvanised after fabrication, erecting using GI clamps,nut bolts and washers etc. NOTE : 1) All material to be supplied by the contractor. 2) HSD reinforcement shall confirm to IS:1786 Fe415 and MS plates / chequered plate / MS flat shall confirm to IS:2062. 3) Hot dip galvanising shall be of 120 microns thickness. 4) Payment for G.I. gratings shall be made as per the actual physical weight of the G.I. grating as obtained at site <hr/> Service Item 120: Unit basic rate in words _____			
130	Stress Releiving	500	IND (Inch Diameter)	
	<hr/> STRESS RELIEVING OF WELD JOINTS - To carryout stress relieving of weld joints as per instructions of BPCL officer in charge of the job. Supply of all tools, tackles, ELCB for 440 volt supply and manpower required for the job is in contractor's scope.Payment on Inch dia of weld joint.Quoted rate includes hardness testing of the weld joint after SR <hr/> Service Item 130: Unit basic rate in words _____			
140	Cardboard blasting with MAC	85,000	INM (Inch Meter)	
	<hr/> Rates in inch meter of card board blasting includes preparation work for pressurising the piping system with compressed air using MAC.Supply of MAC,card board,spading/despading required, hose arrangement etc is included in			
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Item	Material Description	Qty	Unit Delivery date	Unit Basic Rate (in Figures)
<p>quoted rates.</p> <p>Service Item 140: Unit basic rate in words _____</p>				
150	<p>Steam Tracing</p> <hr/> <p>Rate in running meter of steam tracing includes fabrication, cold bending and erection of steam tracing (0.5 in to 1.0 in) as per BPCL specification. Quoted rates shall include transportation of material from within refinery, edge preparation, fitup, welding & erection of steam tracing along the process piping. Supply of electrode/filler wire is included in quoted rates. Hydrotest of steam tracing and erection of steam manifolds is included in quoted rates</p> <p>Service Item 150: Unit basic rate in words _____</p>	1,000	RM (RUNNING METER)	
<p>Service Tax% _____ VAT% _____ CST% _____</p>				
* 01	<p>SCOPE OF WORK</p> <p>A) INTRODUCTION:</p> <p>BHARAT PETROLEUM CORPORATION LIMITED (BPCL), Mumbai Refinery intends to carry out various mechanical jobs for CDU-4 OSBL and SWS OSBL area inside the refinery which involves erection, fabrication and dismantling of pipelines and plant commissioning jobs. Job involved will be new piping fabrication & erection work including piping modification. Engineer in-charge will be BPCL site in charge for below jobs</p> <p>B) SCOPE OF WORK:</p> <p>10. PIPING FABRICATION & WELDING Fabrication of carbon steel/ GI pipe, non IBR pipes (upto sch 80). Fabrication including cutting, edge preparation (inclusive of grinding the edges of pipe, fittings, flanges, elbows, tees, reducers, valves and fittings etc. to match with the mating edges of uneven / different thickness wherever required), fit up, bending, preheating wherever required, welding of shoes as specified, In All Joints of GI piping Galoseal paint will be applied locally after welding</p> <p>20. PIPE ERECTION Erection of pipes of all sizes and thickness over sleepers, overhead on racks and at all elevations ,connecting with equipment nozzles, strainers, orifice assemblies, spray nozzles, rotameters, tapping for pressure gauges,</p>			
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Item	Material Description	Qty	Unit Delivery date	Unit Basic Rate (in Figures)
	<p>thermowells, sample connection including transportation of free issue materials from ware house to the respective locations/fabrication yard, isolation of the line, welding and erection of all on line instruments like vent/drains, monitors, hydrants etc. providing of temporary pipe supports/sleepers during the laying process, fixing of gaskets, bolts, nuts wherever required, supply of all tools, tackles, labour, safety gadgets etc, cleaning & flushing by water / compressed air, hydrostatic, pneumatic, vacuum and any other type of testing as specified, draining, drying by compressed air, cardboard blasting & completing all such works in all respects as per specification, drawings and instruction of Engineer-in-Charge.</p> <p>30. BRANCH CONNECTION WITH RF PAD Fabrication of reinforcing pads for pipe connection wherever required (from pipes only supplied by the Owner) and erection, fitup, welding & testing (including DP/MP) if required of the same and as per the specifications, drawings and instructions of the Engineer-in-Charge. Rate per inch dia of welding branch connections.</p> <p>40. SPADING/ DESPADING Carrying out spading /de-spading required for commissioning and decommissioning of existing/new lines wherever required for hooking up new lines, and commissioning of new lines in segments/loops as the case may be. This work includes graphiting if required, wedge opening for spading and making up of flanges using appropriate gaskets after de-spading. Spading/de-spading will be paid for the lines/system isolation to enable contractor to work. No claims will be entertained for spading/de-spading required for spools hydro testing & required flanged or screwed pressure gauge assembly, water filling, water drain connection. Measurement will be based on nominal pipe size. Rate is applicable for single operation i.e either spading or de-spading. If required contractor will be required to fabricate spades from plate material provided by BPCL and no separate charges will be paid for making spades. The rate shall be applicable for spading or de-spading i.e. separate payment will be made for spading and de-spading.</p> <p>50. LINE HYDROTESTING Job Involves carrying out Hydrotest of piping at the specified pressure including arranging hydrotesting pumps and accessories, Attending Leaking flange joints, valve gland packing etc, Offering the same for inspection and clearing the same, As per direction of the Engineer In Charge, Inclusive of Depressurising.</p> <p>60. MANPOWER ASSISTANCE(10 Hr Shift) Provision of following labour for a duratiion of 10 hours for carrying out necessary jobs / assistance for pre-commissioning / commissioning as per instructions of BPCL site in incharge. This rate shall not be applicable for manpower required for jobs being carried out by the contractor as per other line items scope in the contract</p>			
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Item	Material Description	Qty	Unit Delivery date	Unit Basic Rate (in Figures)
70.	RADIOGRAPHY OF WELD JOINTS Carry out radiography of all weld joints as per BPCL standards. Supply of all equipments, material and other facilities required for this job shall be in contractor's scope. The contractor shall deploy the radiographer having proper authorization, dark room and source pit facility inside BPCL refinery. The radiography films shall be submitted to BPCL. Repair and reshoot joints shall not be paid extra to the contractor.			
80.	PAINTING CLASS 1A Application of paint , identification lettering, colour coding etc. as specified including rub down and repairs to touch up of shop primer if required, providing scaffolding for all heights , including supply of labour, material, tools and tackles, consumables, supervision etc.to complete the work in all respect as per specifications, drgs and instructions of engr incharge. Type of paints, their spec., thickness and application to be reckon from BPCL spec. AE - S - 5430 and as per BPCL colour coding standard.			
90.	PAD WELDING Rate per inch dia. for fabrication; erection and welding of CS pads on pipelines as per BPCL Spec.after removal of paint/rust/scales/FRP lining from its resting point. Pad welding for all heights.			
100.	STRUCTURAL FABRICATION & ERECTION Supply, Fabrication and Erection of struct. steel work, shot blast, zinc silicate primer, epoxy paint Supplying, developing fabrication drawings & fabricating bolted/ welded structural steel work at all levels including all built up sections/ compound sections using M.S. rolled section/ plates/chequered plates etc. conforming to IS:2062 and relevent IS specifications in various steel structures like mono rail, brackets, cat ladder, beams, columns, trusses, bracing's, approach platform or any other structure, including transporting fabricated structural steel, finishing edges by grinding, fixing in line & level with temporary staging & removal of the same after erection, grouting with Non shrink grout, preparing the surface for painting by shot blasting to swedish standard Sa 2.5 and painting with air spray one coat of zinc silicate primer of 60 microns DFT at shop, painting with brush one coat of tie coat epoxy based of 30 microns DFT with two coats of HB polyimide cured epoxy paint each of 75 microns DFT at site (total 240 microns DFT) etc all complete.			
110.	SCAFFOLDING ERECTION & DISMANTLING Rate per M3 for erection of steel tubular scaffolding of suitable lengths at all heights and locations as per BPCL standards with Contractor's Scaffolding materials. The scope includes dismantling of the same after completion of the job.			
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Item	Material Description	Qty	Unit Delivery date	Unit Basic Rate (in Figures)
	<p>120. SUPPLY FABRICATION ERECTION OF GALVANISED GRATING: Supplying fabricating and erecting galvanised grating in Stairs, tread ,walkways, platforms, catchpits Supplying, fabricating & erecting in position bolted and/ or welded Hot dipped galvanised grating in Stair tread walkways, platforms, catchpits etc (fabricated as per BPCL standard drawing) made out of contractors own MS plates, chequered plate, MS flats, HSD reinforcement bars including cutting to required size, shape, making hole of required size, making the edges smooth, getting it hot dip galvanised after fabrication, erecting using GI clamps,nut bolts and washers etc. all complete. NOTE : 1) All material to be supplied by the contractor. 2) HSD reinforcement shall confirm to IS:1786 Fe415 and MS plates / chequered plate / MS flat shall confirm to IS:2062. 3) Hot dip galvanising shall be of 120 microns thickness. 4)Payment for G.I. gratings shall be made as per the actual physical weight of the G.I. grating as obtained at site.</p>			
	<p>130. STRESS RELEIVING To carryout stress relieving of weld joints as per instructions of BPCL site in charge of the job. Supply of all tools, tackles, ELCB for 440 volt supply and manpower required for the job is in contractor's scope.Payment on Inch dia of weld joint Quoted rate includes hardness testing of the weld joint after SR</p>			
	<p>140. CARDBOARD BLASTING WITH MAC Rates in inch meter of card board blasting includes preparation work for presurising the piping system with compressed air using MAC.Supply of MAC,card board,spading/despading required, hose arrangement etc is included in quoted rates.</p>			
	<p>150. STEAM TRACING Rate in running meter of steam tracing includes fabrication,cold bending and erection of steam tracing (0.5 in to 1.0 in) as per BPCL specification.Quoted rates shall include transportation of material from within refinery, edge preparation,fitup,welding & erection of steam tracing along the process piping.Supply of electrode/filler wire is included in quoaated rates. Hydrotest of steam tracing and erection of steam manifolds is included in gouted rates</p>			
	<p>C) SCOPE OF SUPPLY</p>			
	<p>1. SCOPE OF SUPPLY BY BPCL</p>			
	<p>1.1 Free issue Material</p>			
	<p>Pipes, Pipe fittings, valves, nuts, bolts, gaskets, water for drinking/testing, gland packing material. (Potable water for drinking only will be supplied by BPCL at one point. Contractor shall lay the required piping for taking it to the place of use).</p>			
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Item	Material Description	Qty	Unit Delivery date	Unit Basic Rate (in Figures)
	<p>1.2 Equipment (Returnable basis) # Hand lamps, Cluster, Lighting transformers,</p> <p>2. SCOPE OF SUPPLY BY CONTRACTOR</p> <p>2.1 The Contractor shall supply at the appropriate time equipment, structural steel , grating, electrodes, consumable, manpower, supervision, cranes with operator, tractor/trailer with operator, tools, tackles required for timely completion of work except those specifically listed in BPCL scope. Valid test certificate of all the tools, tackles, lifting & handling equipments shall be submitted by the contractor before starting the job</p> <p>2.2 The Contractor shall arrange for PPE#s for all personnel deployed for the job.</p> <p>2.3 Diesel driven welding machines for all site work, air compressors, DG sets, equipment like trucks & trailers along with operators, cleaners, fuel & lubricants, as necessary for transporting material from place of issue to place of work and afterwards to place of site.</p> <p>2.4 Pneumatic and 50V electric operated grinders, drilling machine and other tools.</p> <p>2.5 Adequate manpower consisting of skilled & appropriate labour in various trades and qualified supervisors.</p> <p>2.6 All scaffolding materials, metallic planks, metallic mats, safety hoods, tin sheets etc. required for site welding work.</p> <p>2.7 Equipments and all materials required for shot blasting as per attached specification, hydro testing with proper gauges.</p> <p>2.8 Oxygen & acetylene and other industrial gases.</p> <p>2.9 All other materials which are not included in BPCL Scope of Supply but required to complete and commission the facility successfully.</p> <p>2.10 All other equipments, machinery, tools/tackles that may not be specifically mentioned.</p> <p>2.11 The use of hydra will be banned from 01.05.2015 so contractor will use following equipments for loading/unloading purpose</p> <p>a) Escort Construction Equipment Ltd (ECEL) # TRX SERIES- K10, F15, TRX 1651, TRX2319, MAC 1214</p> <p>b) Action Construction Equipment (ACE) # FX 120,FX150, 15XWE,15XWF, Rhino 110 FC</p>			
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Item	Material Description	Qty	Unit Delivery date	Unit Basic Rate (in Figures)
	D) CONDITIONS FOR ISSUING AND MATERIAL RECONCILIATION			
	1.0 CONDITIONS FOR ISSUE OF MATERIALS			
	Whenever any material is issued by BPCL, following conditions for issue of material in addition to other conditions specified in the contract shall be applicable: .			
	1.1 Necessary indents will have to be raised by the Contractor as per procedure laid down by the BPCL Site-in-Charge from time to time, when he requires the above material for incorporation in permanent works.			
	1.2 Materials will be issued only for permanent works and not for temporary works, enabling works etc. unless specifically approved by the BPCL Site-in-Charge and the same shall not be taken into account for the purpose of materials reconciliation.			
	1.3 The Contractor shall bear all other cost including lifting, carting from issue points to work site/Contractor's store, custody and handling etc. and return of surplus/serviceable scrap materials to BPCL's storage points to be designated by the BPCL Site-in-Charge etc. No separate payment for such expenditure will be made. . .			
	1.4 No material shall be allowed to be taken outside the plant without a gate pass.			
	1.5 The Contractor shall be responsible for proper storage, preservation and watch & ward of the materials.			
	1.6 RETURN OF UNUSED MATERIAL			
	1.6.1 All unused / scrap materials shall be the property of the BPCL and shall be returned in good and acceptable condition size wise, category wise by the Contractor at his own cost to BPCL's Store(s)/scrap yard or at the location designated by BPCL Site in-Charge. Contractor shall make all the necessary arrangements at his own cost for all the transportation activities.			
	1.6.2 No credit will be given to the Contractor for return of scrap. The Contractor should quote the rates accordingly.			
	1.6.3 In case the Contractor fails to return unused/scrap materials, then recovery for such quantity of materials, not returned by the Contractor shall be affected at following penal rates from the Contractor's bills or from any other dues of the Contractor to the BPCL. Contractor shall make his own arrangements for weighing the off cuts to be returned to BPCL's stores.			
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<p>1.6.4 Penal Rates for non return of materials:</p> <p>(a)Penal rate for non return of accountable scrap - Issue Rate + 25% or Landed Rate + 25% (in case issue rate are not indicated in the contract)</p> <p>(b)Penal rates for non return of unused material/excess scrap - Twice the Issue Rates or Twice the Landed Rates (in case Issue Rates are not indicated in the Contract)</p> <p>NOTE:</p> <p>1) Landed Rate shall be arrived from the latest Purchase Order of respective material received at site by BPCL.</p> <p>2) In case different penal rates have been indicated in the' Contract (based on Project requirement), the same will 'supersede the above rates.</p> <p>2.0 CONDITIONS FOR ISSUE OF PIPING MATERIALS</p> <p>2.1 All pipes shall be issued in available lengths/shapes and no claims for extra payments on account of issue of non-standard length & shape will be entertained. Pipes shall be issued on linear measurement basis. All valves, flanges, fittings etc. shall be issued on number(s) basis. Contractor shall store the materials in such a way so as to avoid mixing of different types of material and shall maintain complete identification and traceability at all times.</p> <p>2.2 The scrap allowance for pipes issued by the BPCL shall be 3% (2.5% accountable + 0.5% non accountable) of the actual consumption as incorporated in the works.</p> <p>2.3 All pipes in length of 2 meters and above shall be considered as serviceable material provided the material is in good and acceptable condition and has clear identification and traceability (Manufacturer's name, heat number/batch number and test certificates). Pipes in lengths less than 2M shall be treated as scrap.</p> <p>2.4 For the non account of pipes drawn by the Contractor over and above the actual consumption as determined by the BPCL Site-in-Charge, plus 3% (2.5% accountable + 0.5% non .accountable) thereof to cover the scrap allowance, recovery at penal rate shall be effected from the Contractor's bill(s) or from any other dues of the Contractor to the BPCL.</p> <p>2.5 All unused/scrap pipes,' valves, flanges, forged fitting like elbows, reducers tees shall be returned by the Contractor category wise duly cleaned, greased and spec. marked at his own cost to BPCL's stores. In case the Contractor fails to do so then recovery for such quantity of pipes not</p>				
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	<p>returned by the Contractor at the penal rates shall be effected from the Contractor's bill(s) or from any' other dues of the Contractor to the BPCL.</p> <p>3.0 CODITIONS FOR RECONCILIATION OF MATERIALS.</p> <p>Contractor shall maintain a register indicating materials withdrawn from warehouse, material consumed and excess material returned to warehouse. Reconciliation shall be carried out on a periodic basis.</p> <p>E) WELDING SPECIFICATIONS</p> <p>1. Welding shall be carried out as per BPCL standard welding procedure specification and by welders approved by BPCL Inspection Dept.. Welding preparation shall be carried out as per inspection requirement and approval of fitup to be taken prior to welding.</p> <p>2. Welding of CS piping shall be as per BPCL approved WPS. i.e. Root by ER 7062 & filler/capping by E7018 electrodes unless otherwise specified. Welding of alloy steel piping shall be as per approved WPS/PQR.</p> <p>3. Welding of all structural steel welded on non-pressure parts shall be using E6013 electrodes.</p> <p>4. Welding electrodes used shall be from any of the four manufacturers:</p> <p>1. M/s L&T 2. M/s Advani Orlikon 3. M/s Esab 4. M/s D&H</p> <p style="padding-left: 40px;">Baking specification for E 7018 electrodes</p> <p style="padding-left: 40px;">Baking Temp - 300 to 350 deg C Baking Time - 2 to 2.5 hrs. Holding Temp. - 120 to 150 deg C</p> <p>5. All welding equipment as well as welding procedure/performance qualification shall be done in accordance with following standards and procedures as applicable.</p> <p>6. Code for pressure piping - ANSI B-31 1 (Latest edition) 7. Code for Refinery piping - ANSI B-31 3 (Latest edition) 8. Standards for welding pipes and related facility- API 1104 (Latest edition) 9. Welding qualification - ASME Sec. 1x (Latest edition) 10. Code of practice for metal ARC welding for mild steel - IS 823 (Latest edition)</p>			
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	<p>11. Weld root pass shall be made with respective electrodes mentioned in the specification or as per approved welding procedure. Root opening and root penetration shall not exceed as specified in codes.</p> <p>12. Generally no interruption during root pass shall be permitted. Remove the slag, welding irregularities and cracks formed during interruption/completion of each run, by grinding or chiseling.</p> <p>13. Complete each joint of welding in such a manner as to have gradual notch free finish and good fusion at the joint edges. Further more, the welds shall be free from undercuts and any other defects and shall have a regular appearance.</p> <p>14. All screwed connections shall be properly tightened and back welded, wherever necessary, as instructed by BPCL Site-in-Charge.</p> <p>15. Only BPCL approved/certified welders shall be deployed by the contractor</p> <p>16. QAP/ITP to be approved by BPCL Inspection before start of work.</p> <p>F. RADIOGRAPHY</p> <p>The pipe joints shall be subjected to radiography after welding as directed by BPCL Site-in-charge, which will be carried out by BPCL or its appointed agency and welds if found defective shall be rectified by the contractor free of cost.</p> <p>G. HYDROTEST</p> <p>1. After the welding and satisfactory inspection/NDT is over, hydrotest of the piping shall be carried out as per piping specification or as directed by BPCL Site-in-charge and same shall be witnessed by BPCL. Fresh water shall be used for hydro testing. Water shall be made available at one point free but further necessary arrangements shall be made by contractor. Piping having screwed joints shall also be hydro tested as instructed by BPCL engineer-in-charge.</p> <p>2. Water shall be filled slowly keeping all vents and other connection open to remove air pockets.</p> <p>3. After the hydrotest, drain the water and flush out lines with air. Plug off the vents and drains as instructed by Engineer-in-charge.</p> <p>4. The gaskets used during testing (at temporary blinds/spades) shall be removed after testing and shall be replaced with new gaskets after flushing of the lines.</p> <p>5. Flush the pipelines with compressed air after hydrotest. Compressor shall be supplied by contractor for flushing the lines.</p>			
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	<p>6. All fasteners & gaskets used for hydrotest shall meet specification of piping drawings. No substandard substitutions are permitted. Temporary weld joints if any also shall be subjected to inspection/NDT/testing as per piping specification.</p> <p>7. Hydrotest of all pipelines shall be carried out including first isolation valves. Minimum two pressure gauges shall be provided during hydrotest of pipelines in pipe tracks. Calibrated pressure gauges shall be used for hydrotest and the same shall be offered to BPCL site in charge / inspection prior to putting in use.</p> <p>8. Testing of flanged valves shall be carried out as directed by Engineer-in-charge.</p> <p>H) SHOTBLASTING & APPLICATION OF PRIMER/PAINTS.</p> <p>1. External surfaces of all fabricated, modified pipelines, pipe supports, structures etc. shall be shot blasted to Sa 2.5 grit finish and painting as specified elsewhere in this tender document.</p> <p>2. Shot blasted surfaces shall be offered for inspection and must be approved by our Site-in-charge/Inspection Engineer.</p> <p>3. Shot blasted/cleaned surface shall not be left exposed to atmosphere for more than six hours.</p> <p>4. Shot blasted surface shall be applied with two coats of required primer (60 microns thickness) prior to installation with an interval of eight hrs. between subsequent coats.</p> <p>5. Select steel shots of appropriate size for blast cleaning depending upon the surface condition, required finish and paint to be applied. Recommended size of shots is between 0.7 to 1.2 mm.</p> <p>6. In no case shall the shots used contain particles smaller than 35BS (0.18 mm). Also the shots must be free from oils, grease, scales, rust, moisture, salts etc.</p> <p>7. Blasting shall not be carried out if the surface temperature is less than the dew point.</p> <p>8. Air quality shall be checked for cleanliness and moisture using a blotter paper.</p> <p>9. Shot blasting gun shall be properly earthed to the work piece to avoid built-up of static electricity.</p>			
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	<p>10. The shot blasting site shall be covered on all sides so as to prevent shots from flying out. The location of shot blasting will be decided by BPCL Engineer.</p> <p>11. All shot blasting equipment should be in good condition.</p> <p>12. Engines/compressors must be with proper flame arrestors.</p> <p>13. Clean the area thoroughly after completion of work or at the end of each shift.</p> <p>14. Every painter shall be tested by Inspection Engineer. Only qualified painters shall be carrying out the primer application.</p> <p>15. All gasket faces of flanges and machined surfaces of other equipment shall be protected to avoid damage due to shot blasting.</p> <p>I) MEASUREMENT OF WORKS.</p> <p>1.0 GENERAL</p> <p>1.1 The mode of measurement shall be as per the following para:</p> <p>For the items not covered here but appearing in Schedule of Rates, the following Methodology shall be applied in order of precedence:</p> <p>(a) Measurement of works as mentioned in technical specification/Job Specification.</p> <p>(b) Measurement of works shall be in accordance with item description of relevant item mentioned in Schedule of Rates.</p> <p>(c) In case the clarity is not in the above documents, then it shall be as 'per BIS and if it does not exist in BIS also, then Measurement of works shall be as decided by Engineer-in-Charge.</p> <p>1.2 Payment will be made on the basis of joint measurements taken by Contractor and certified by Engineer-in-Charge. Measurement shall be based on "Approved for Construction" drawings, to the extent that the work conforms to the drawings and details are adequate.</p> <p>1.3 Wherever work is executed based on instructions of BPCL Site-in-Charge or details are not adequate in the drawings, physical measurements shall be taken by Contractor in the presence of BPCL Site-in-Charge.</p> <p>1.4 In case of welding of SORF flanges, entire flange welding with pipe (both</p>			
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	<p>inside & outside welding) will be considered as a single joint.</p> <p>1.5 An inch-dia means one circumferential joint of one inch nominal diameter pipe.</p> <p>1.6 An inch meter means one meter length of one inch nominal diameter pipe.</p> <p>1.7 Welds, bolts, nuts, washers etc. shall not be measured. Rates for structural steel work shall be deemed to include the same.</p> <p>1.8 No other payment either for temporary works connected with this Contract or for any other item such as weld, shims, packing plates etc. shall be made. Such items shall be deemed to have been included for in the rates quoted.</p> <p>1.9 All measurements shall be made on the basis of total actual work carried out for each job separately.</p> <p>2.0 Flange to flange length of the valve shall not be included while calculating inch meters of erection of piping.</p> <p>2.1 No extra payment shall be made towards dismantling of pipelines by cold cutting in cases where hot work is not permissible.</p> <p>2.2 Measurements will be made for various items under schedule of rates on the following basis as indicated in the unit column</p> <ul style="list-style-type: none"> i) Weights MT or Kg ii) Length M (Metre) iii) Number No. iv) Volume CU.M v) Area Sq.M <p>2.0 ABOVE GROUND PIPING</p> <p>2.1 All piping including branch lines shall be measured along the centre line and shall include all types of specials, fittings, mitre bends, in-line instruments, line mounted filters, mixers, ejectors, strainers, flanges, bolting up etc., but excluding erection of all types of valves for which payment will be made separately on number basis. Length of such valves (including flanged valves) will be excluded from piping measurement. No separate payment for Socket Weld Valves upto 1-1/2" size shall be made and quoted rates for piping shall be deemed to include the same.</p> <p>2.2 As regards safety valves, size of valves will be identified by inlet pipe size.</p> <p>2.3 Reducers will be paid alongwith piping of larger dia- meter except in the</p>			
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	<p>case of funnels where they are welded only to the smaller diameter pipe, for which payment will be made alongwith piping of such smaller dia. Fabrication of reducers (concentric / eccentric) will be paid by converting weld length into inch dia if no separate rate available.</p> <p>2.4 Branch connections are to be made as per the branch connection details and no separate payment will be made for the branches made.</p> <p>2.5 Vents/Drains/Instrument tappings forming part of permanent works with or without valves will be measured and paid as applicable for the respective size of vents/drains/instrument tappings piping. Measurement of vents and drains shall be taken from the outer surface of the main pipe. However, vents and drains required temporarily for flushing and testing shall be provided by' the Contractor at his cost.</p> <p>2.6 All piping attachments such as couplings, earthing lugs etc. shall be provided by the Contractor as part of piping erection work and no separate payment will be made for the same.</p> <p>2.7 Fabrication of spool pieces for temporary use to aid Contractor's work such as fabrication, erection, flushing and testing of pipe lines shall be done by him at his cost as part of piping work and no separate payment will be made for this.</p> <p>2.8 For fabrication of mitre bends and reducers of sizes above 2" from pipe to be supplied by Owner free of cost, payment will be made on number of such specials made, at the rate given separately in the schedule of rates. The unit rate shall be inclusive of tests such as DP/MP as mentioned in item description of an item. However, the erection of mitre bends and reducers shall form part of piping erection work and the rates for piping will be inclusive of this work.</p> <p>3.0 PAINTING WORK</p> <p>a) PAINTING ON PIPING INCLUDING SPECIALS AND FITTINGS</p> <p>i) Payment will be made on linear measurement in "Meters" corrected to the nearest centimeter.</p> <p>ii)Piping shall be measured along the centre line through all types of fittings and flanges.</p> <p>iii)Rates for painting of pipes shall be inclusive of painting of all types of pipe supports, flanges, guides, shoes, saddles, clamps, etc. and also all types of fittings</p> <p>iv)There will be no separate measurements of the colour bands/ identification</p>			
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	<p>signs (line numbering), letter writing. flow direction etc. on uninsulated and insulated piping, the rates of painting of linear length of piping shall be inclusive of cost of such items.</p> <p>J) SPECIAL TERMS & CONDITIONS</p> <ol style="list-style-type: none"> 1. All equipment's, in-line instruments, etc. shall be positively isolated by spading before flushing and cleaning operation is started. 2. Mechanical clearance shall be obtained from Inspection after completion of each stage of work. 3. All fabrication jobs to be carried out in the contractor yard / shed except for the weld joints required to be carried out for erection purpose at site. Precautions required as per the fire permit to be delay or stoppage of work due to presence of hydrocarbon for which to extra claim whatsoever shall be entertained. 4. Any defects arising out of poor workmanship shall be duly rectified by the contractor free of cost. 5. Any flushing / cleaning, air blowing (with contractor's compressor), required for making pipelines free of hydrocarbon using salt/fresh water or as instructed by BPCL Engineer-in-charge for carrying out fabrication/erection/dismantling work shall be carried out by the contractor without any extra cost to BPCL. Necessary hose connection required for such flushing shall be carried out. 6. Hot bolting if necessary shall also form the part of piping work without any extra cost to BPCL. 7. Contractor shall mobilise enough manpower to complete the identified jobs within time indicated by BPCL Site- in- Charge. 8. All rates are inclusive of Maharashtra Works Contract Tax and other taxes, duties, levies etc. as applicable unless otherwise specified. 9. Rates shall remain firm during the entire period of contract and no escalation on any account shall be permissible. 10. All incoming challans duly stamped by Security personnel at main gate for the material brought inside the Refinery by contractor shall be submitted to BPCL Engineer-in-charge. 11. Depending on the urgency of the job, contractor will be required to carryout the job in extended hrs as per the instructions of site in-charge and there will be no additional payment admissible on account of this. 			
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	<p>12. Contractor shall deploy only his own permanent employees at worksite. Contractor shall furnish necessary proof to Engineer in charge or IR department in this regard whenever asked for.</p> <p>13. It should be noted that, no employee can work beyond 9 hrs. in a day and for more than 48 hrs. in a week. Further, employee working more than the specified hours should be paid overtime wages by contractor.</p> <p>14. Please note that BPCL is as ISO 14001 certified company. All welding machines & any other diesel engines to be used shall be checked for pollution. The valid certificate stating the equipment of having the pollution under control from the approved agency of regional transport office shall be submitted to BPCL at no extra cost.</p> <p>15. All scaffolding work for executing the job has to be carried out by contractor. Scaffolding has to be steel scaffolding and has to be supplied by contractor. Scaffolding has to be done as per IS 4014. All scaffolding has to be certified to be OK by BPCL personnel prior to use. In case scaffolding work done is rejected then it has to be redone in proper manner. No extra charges shall be paid by BPCL for same. Scaffolding has to be independent. No idle charges for scaffolding will be paid.</p> <p>16. Stage wise Inspection including fit ups, root runs, DP tests, radiography, hydrotest of piping sections and pneumatic testing of reinforcement/support pads, surface checking after shot blasting and DFT checking after painting shall be offered to BPCL Inspection Dept.</p> <p>17. The drawings given with purchase order on this contract are for reference only. Contractor has to take actual site measurements before taking up fabrication work.</p> <p>18. Contractor has to work on extended hour basis/round to clock basis whenever required depending on the need. During system outage or shutdown contractor has to work on round the clock basis. No extra charges will be paid by BPCL for the same.</p> <p>19. Contractor shall remove scrap/debris and dismantled material from plant and keep area clean on a daily basis and maintain good housekeeping. No separate payment will be made for this scrap/debris removal.</p> <p>20. Some of the piping items may be supplied in higher schedule/thickness depending on availability. The contractor shall grind smooth the ends of such fittings to match in order to maintain a smooth internal profile before setting of joint and welding. No extra charges will be paid for the same.</p> <p>21. Contractor has to submit a detailed bar chart for this job as well</p>			
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	<p>indicating his plan as well as details of total manpower he proposes to deploy for this job along with offer.</p> <p>22. No idle charges will be paid to contractor due to non-availability of material or permits/clearances.</p> <p>23. Graphiting of bolts of flange joints that are to be spaded has to be done by contractor. No extra charges will be paid by BPCL for the same.</p> <p>24. All surplus material withdrawn has to be returned to warehouse. No charges will be paid for shifting of any surplus/extra material.</p> <p>25. Fabrication yard, shotblasting space, hydrotesting place may be at different locations and material have to be shifted from each location. No charges will be given for shifting the material/fabricated spools.</p> <p>26. Portion of the job that is not approachable by crane for erection & dismantling have to be carried out manually, for which supply & use of all riggings material/equipments viz. chain pulley blocks, slings, winches, pulleys, wire ropes, shackles etc. shall be in contractors scope.</p> <p>27. Contractor to note that the welders shall be approved by BPCL's Inspection Department. Before commencement of the work, contractor will be required to submit to the Inspection Department, the list of welders intended to be employed together with details of their qualification, work experience, test records and other certificates etc.</p> <p>28. The welders shall be tested in accordance with the applicable codes. The Inspection Department shall witness the qualification testing as called for, and certify each welder separately. Each approved welder shall be issued an identity card, which will be required to be carried while working and produced on demand by any BPCL representative. He will also be allocated an identification number, which he shall stamp/mark by the side of each of the joints welded. The Inspection Department shall monitor on a continuous basis the performance of each of the welders employed. Such welders as evaluated below the standard shall be debarred from further welding, and required to be requalified.</p> <p>29. Contractor to co-ordinate his activity in such a way that the day-to-day plant operation and job progress of other contractors working in that area is not affected.</p> <p>30. Wherever necessary, provide mud plug etc. for welding on the existing line.</p> <p>31. BPCL reserves the right to delete part or add some more quantity of the job and contractor will not be allowed to claim any extra compensation</p>			
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	<p>etc. Payment will be made based on the actual executed quantities. Quantities indicated in schedule of rates may vary.</p> <p>32. Rates quoted shall remain firm during the time of execution till the completion of the job.</p> <p>33. System (job done by the contractor) failing partly or wholly during testing/commissioning or rejected by BPCL Site-in-Chargedue to bad workmanship will be treated as incomplete. Contractor shall put all the efforts to rectify and complete the same till it gets successfully commissioned without extra cost.</p> <p>34. The contractor shall provide temporary supports at no extra cost. All the temporary supports shall be removed once the permanent ones are provided and such temporary supports shall be transported to Scrap Yard located at BPCL Warehouse.</p> <p>35. The contractor shall inform sufficiently in advance the commencement of welding work, hydrotests and such other acceptance tests to enable BPCL to supervise/witness the same. Contractor shall comply with the deadlines specified by Site-in-Charge for such inspections.</p> <p>36. The contractor shall plan, execute and report the job progress and maintain proper records of materials, manpower etc. as indicated below.</p> <p>37. Submit manpower report at the beginning of day or shift as the case may be.</p> <p>38. Submit progress report indicating actual progress against scheduled program and work planned on weekly basis.</p> <p>39. Maintain registers showing details like receipt, quantity used, balance etc. for all the materials (free issue as well as chargeable basis) issued by BPCL and also for materials procured and brought inside by you.</p> <p>40. Maintain a register showing workforce employed category-wise, on daily basis at each work place.</p> <p>41. Stacking of materials at fabrication yard/work site shall be done as directed.</p> <p>42. All records shall be maintained including measurement sheets, bills etc.</p> <p>43. The required piping/structural drawings will be released prior to start of work. Please note that the drawings given may be reference only. While doing pre-fabrication, care should be taken to verify measurements given in the drawings with actual field measurements so that re-work can be avoided.</p>			
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	<p>Such variations shall be brought to BPCL site-in-charge. No extra claim whatsoever shall be entertained for mismatch of site dimensions with the dimensions given in the drawings.</p> <p>44. Pads shall extend 100 mm on both sides from sleeper / support.</p> <p>45. There can also be instances of not getting work permits or withdrawing the permits already issued, due to some operational reasons. For any stoppage of work due to safety / operational reasons, no claims whatsoever will be entertained / accommodated.</p> <p>46. While every effort will be made to release the work front from one area to another area in a continuous stretch, chances of discontinuing the work in some areas due to some unavoidable operational reasons cannot be ruled out. In such an event contractor may have to mobilise, demobilise or remobilise the manpower and resources to complete the work in those areas and the quoted rates of the contractor shall take care of such eventualities also. No idle charges will be paid.</p> <p>47. All lifting tools and tackles including crane, if any, shall have statutory clearances / valid / approved test certificates for that equipment. A copy of the certificates shall be submitted to BPCL site-in-charge prior to commencement of work. Non compliance of this may lead to stoppage of the job.</p> <p>48. Care shall be taken during transportation, handling of paint in pipetrack keeping high temperature lines in mind.</p> <p>49. Modification/Extra work :</p> <p>a. In case any modifications/additions are required in the original job shown in the drawing/specifications, the same shall be carried out by the contractor without any delay as per written instructions of BPCL Site-in-Charge. Any modifications/changes in the drawing/specifications/site changes are not to be considered as extra work if such changes are done before completion of the work. Only the changes/alterations required to be done after completion of work resulting in REWORK, shall be considered as extra work. The rates for such additional/extra work shall be based on the following :</p> <p>b. If extra work involved is similar to the work specified under scope of work for which unit rates are already specified in the contract, the contractor is bound to carry out all such additional/extra works at the same rates.</p> <p>c. If the rates are not specifically provided for in the contract for the work, the rates will be derived from the rates for similar class of work as specified in the contract by interpolating/extrapolating. The opinion of BPCL Site-in-Charge as to whether the rates can be reasonably so derived from the items in this contract, will be final and binding on the contractor.</p>			
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	<p>d. The rates for CS pipe welding per inch dia and/or inch mtr. for all sizes of pipes involved shall include cutting of pipes, removal of pipes, edge preparation, repairing welding set up, welding as per specifications, testing, associated handling work, scaffolding etc. and shall be applicable for rework also.</p> <p>e. If the rates for the additional/extra work can not be determined in the manner specified in (a) to (c) above, then the such items shall be settled mutually with engineer-in-charge.</p> <p>50. Highest standard of housekeeping has to be maintained at the Work place allotted to contractor as well as site. All piping material, raw material, cement bags shall be stacked in a neat and orderly manner. The work area shall be suitably barricaded using Tin sheets etc. by the contractor. Contractor shall make arrangements for dust bins/drums to collect scrap paper, electrode pieces etc. All scrap generated shall be neatly stacked at designated area of the segregation into metallic, wooden scrap, debris etc. This scrap has to be periodically be shifted to warehouse, salvage yard or outside refinery by contractor as the case may be.</p> <p>51. The personnel employed by contractor shall restrict their movement to inside the workplace and should not enter plant area. Contractor shall make suitable arrangements for drinking water at worksite. The piping at various stages of the work like, fabrication, cement lining, hydrotesting, shotblasting shall be stacked in a neat and proper manner as instructed by the site-in-charge.</p> <p>52. Orientation of valves shown in the drawings is tentative. Contractor shall carry out change in orientation of valve for ease of operation or as directed by engineer-in-charge at no extra cost to BPCL.</p> <p>K) FINANCIAL PENALTIES:</p> <p>Contractor and his all workmen while working inside refinery shall follow HSE and general rules/regulation of BPCL refinery. On violation of such rules, suitable financial penalties, published from time to time, shall be imposed. Such penalties may also be deducted from payment due to the contractor.</p> <p>L) PRICE REDUCTION DUE TO DELAY :</p> <p>The time allowed for carrying out the work as entered in the contract shall be strictly observed by the contractor. The work shall through out the stipulated period of the contract be proceeded with all the diligence (time being essence of the contract)</p> <p><u>LD clause:</u> In case of delay 0.5%/week of delay or part thereof subject to</p>			
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Item	Material Description	Qty	Unit Delivery date	Unit Basic Rate (in Figures)
	<p>maximum of 5% of the total contract value shall be recovered.</p> <p>M) COMPLETION SCHEDULE:</p> <p>a) Completion period shall be Nine month from date of LOI/PO, whichever is earlier.</p> <p>b) Time is the essence of contract. The contractor must be able to mobilise sufficient skilled manpower and required machineries to complete the entire work within the stipulated time schedule. The contractor shall work round the clock without any extra cost to BPCL. Failure to complete the total work within contractual time schedule shall attract liquidated damages.</p> <p>N) TERMS OF PAYMENT:</p> <p>The basis and terms of payment for various items shall be as given below:-</p> <p>a) Piping fabrication , Erection works, Steam Tracing :(SOP item 10, 20, 150)</p> <ol style="list-style-type: none"> 1. 50 % after pre-fabrication of piping spools duly shot blasted cleaned and primer coated. 2. 30% after erection, supporting, providing vent, drains, alignment, bolting, welding, NDT, radiography, stress relieving if any etc. complete to obtain mechanical clearance. 3. 10% after flushing, hydrotesting, drying, cardboard blasting, final painting, insulation works and statutory approvals. 4. 10% on completion of all works in all respect. <p>b) Branch connection , pad welding (SOP item 30 ,90)</p> <ol style="list-style-type: none"> 1. 90 % after fabrication, testing and inspection, final approval. 2. 10 % on completion of work in all respect and acceptance. <p>c) Spading despading , hydrotesting : (SOP item 40, 50)</p> <ol style="list-style-type: none"> 1. 90 % after completion of individual item of work in all respects and inspection. 2. 10 % on completion of work in all respect and acceptance. <p>d) Manpower assistance : (SOP item 60)</p> <ol style="list-style-type: none"> 1. 90 % after completion of individual item of work in all respects and inspection. 2. 10 % on completion of work in all respect and acceptance. <p>e) Radiography (SOP item 70)</p>			
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Item	Material Description	Qty	Unit Delivery date	Unit Basic Rate (in Figures)
	<p>1. 90 % on submission of reports and acceptance thereof by Engineer In Charge.</p> <p>2. 10 % on completion of work in all respect and acceptance</p> <p>f) Structural supply, fabrication and erection : (SOP item 100)</p> <p>1. 50 % on supply of the material at site.</p> <p>2. 20 % on fabrication.</p> <p>3. 20 % on erection, alignment and welding etc.</p> <p>4. 10 % on completion of work in all respect and acceptance</p> <p>g) Painting : (SOP item no 80)</p> <p>1. 30 % after surface preparation and primer painting.</p> <p>2. 60 % after final painting.</p> <p>3. 10 % on completion of work in all respect and acceptance</p> <p>k) Scaffolding erection dismantling (SOP item 110)</p> <p>1. 90 % after completion of work in all respects.</p> <p>2. 10 % on completion of work & dismantling of the scaffolding.</p> <p>l) Supply, fabrication & erection galvanised grating (SOP ITEM 120).</p> <p>1. 50% after received at site</p> <p>2. 40% after fabrication and erection.</p> <p>3. 10% after final completion.</p> <p>m) Stress Releiving (SOP 130)</p> <p>1. 100% after getting SR report of all field/shop fabricated joints included in the piping loop</p> <p>n) Cardboard Blasting with MAC (SOP 140)</p> <p>1. 100% payment after line included in the piping loop has been completely made free of water/ unwanted dirt or other material</p> <p>The Contractor shall be paid monthly running account bills at identified stages of completion of individual item/work, based on the joint measurement, in the following manner after deductions of necessary dues payable by Contractor to the Owner use uniform terms in accordance with various provisions made elsewhere in this document.</p> <p>O) RETENTION MONEY</p> <p>Contractor to note that 10% of bill amount from each RA bill shall be retained as retention money. In lieu of retention money, contractor shall submit bank</p>			
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Item	Material Description	Qty	Unit Delivery date	Unit Basic Rate (in Figures)
	<p>guarantee of equivalent amount of retention money (10% of contract value) before submission of 1st RA bill valid for defects liability period which will be 12 months from date of issue of completion certificate, with claim period of six months extra.</p> <p>P) BPCL JOB EXECUTION PLANS</p> <p>Contractor shall submit the following undertakings on his letter head duly signed by him to BPCL after placement of purchase order by BPCL. Non-submission of this shall attract serious penalties.</p> <p>1. SAFETY ACTION PLAN</p> <p>The supervisors shall attend safety course and obtain certification. Only safety trained supervisor shall be deployed by me.</p> <p>All contractor employees shall attend safety course, safety talk as per directives of BPCL safety department.</p> <p>All Personal Protective Equipment shall be provided by me.</p> <p>We shall strictly adhere to BPCL safety rules and regulations.</p> <p>We shall follow work permit system issued by BPCL Officer.</p> <p>Any incident/accident shall be reported to BPCL officer/ BPCL safety officer and documented properly.</p> <p>In case of injury to any of my employees I shall report to medical center immediately.</p> <p>Fire extinguisher shall be provided as specified in permit. Fire order shall be followed in case of fire</p> <p>Communication system like pager/VHF system shall be provided.</p> <p>While handling with chemicals proper precaution shall be taken to avoid spillage or splash on body.</p> <p>Daily safety briefing shall be given to my employees by my supervisors.</p> <p>Safety Supervisor shall be designated who will monitor safe working.</p> <p>I am committed to above safety action plan and reassure the jobs undertaken shall be carried out safely without any injury to property or personnel.</p> <p>NAME AND STAMP OF AUTHORISED PERSON OF CONTRACTOR</p>			
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Item	Material Description	Qty	Unit Delivery date	Unit Basic Rate (in Figures)
	<p>2. HOUSEKEEPING PLAN</p> <p>All equipment shall be properly arranged and placed before start of work.</p> <p>A separate bin shall be provided for collecting waste generated by my employees ie canteen waste/gloves/cotton waste.</p> <p>All debris i.e. Al. sheet shall be deposited in warehouse and lagging material shall be taken out of refinery as soon as there is full lorry load.</p> <p>If there is a spillage of oil it shall be cleaned immediately.</p> <p>Work area shall be kept clean at all times.</p> <p>Contractor yard/place shall be kept clean and no debris shall be deposited on any road near contractor yard/place.</p> <p>I am committed to above housekeeping plan and assure to abide by BPCL requirement.</p> <p>NAME AND STAMP OF AUTHORISED PERSON OF CONTRACTOR</p>			
	<p>3. ENVIORNMENT CONTROL PLAN</p> <p>At shutdown site proper care shall be taken so as to avoid any oil leakage./seepage into the ground.</p> <p>In case of leakage while opening flange the matter shall be reported to BPCL officer immediately.</p> <p>Debris generated like insulation, refractory concrete etc., shall be collected and stored in designated place in gunny bags and ensured it is carted out of refinery.</p> <p>Welding machines used shall not emit smoke beyond the permissible level.</p> <p>Cleaning of work site should be carried out on continuous basis.</p> <p>Proper breathing apparatus to be used where ever required.</p>			
	<p>4. DUST CONTROL PLAN</p> <p>Work should be carried in a manner where generation of dust is minimum</p> <p>Loose dust/dirt debris should be collected in bags and dumped in designated</p>			
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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. GTC- General Terms and Conditions
3. General Conditions of Contract
4. Financial deterrent for Safety Violation
5. Special Safety Conditions.
6. Memorandum of Agreement
7. Integrity Pact
8. QEHS Policy
9. Energy Policy
10. HYDRA BAN
11. Painting Specifications

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

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

Collective RFQ No. : 1000231573

Our Reference:
RFQ No. : 6000827063
Subject:

Due Date : 28.04.2015
Due Time : 12:00:00

To,
BHARAT PETROLEUM CORPORATION LTD-MUMBAI REFINERY
P & CS DEPT .SOUTH BLOCK, 2ND FLOOR,
MAHUL, CHEMBUR,
MUMBAI
400074

Purchase Group : N27-CDU IV - SER. PROC