

**GOVERNMENT OF INDIA  
DEPARTMENT OF SPACE  
ISRO PROPULSION COMPLEX (IPRC)  
MAHENDRAGIRI**

**Tender for Rate Contract for Minor Piping Works**

**Bids to be submitted online**

**Tender No.: IPRC/PURGP1/IP202400110501 dated 13-09-2024**

## A. Tender Details

Tender No :	<b>IPRC/PURGP1/IP202400110501</b>
Tender Date :	<b>13-09-2024</b>
Tender Classification:	<b>WORKS</b>
Purchase Entity :	<b>PURGP1</b>
Centre :	<b>ISRO PROPULSION COMPLEX (IPRC)</b>

### Rate Contract for Minor Piping Works

This is a two-part bid. Price details shall NOT be mentioned in technical Bid/attachments, failing which the offer will be considered as invalid.

This is a TWO-PART tender i.e. Techno-Commercial Bid (Part-I) and Price Bid (Part-II) shall be submitted separately. All technical and commercial terms and conditions shall be furnished in the Techno Commercial Bid while price shall be indicated only in the Price Bid.

1.Foreign vendors are not permitted to quote.

2.Only Class-I and Class-II Local suppliers as per Make in India Policy are eligible to participate in the bid.

a. The percentage of local content with documentary should be specifically mentioned in the offer. Format for Self Certification under Preference to "MAKE IN INDIA" Policy attached, without which it will be summarily rejected.

b. Preference will be given to Class-I Local Supplier and in their absence, Class-II Local Supplier will be considered.

3.MSME Preference is applicable only against the claim of the manufacturer and production of documentary evidence by the manufacturers for the registration of particular item under MSME.

4.Last minute clarification on tenders will not be entertained.

5.This is an E Tender. Hence Postal/Fax/Email tenders will not be accepted.

6. Acceptance of Guarantee / Warranty, PBG, SD & L.D are mandatory. Bank Guarantee towards Security Deposit (S.D) shall be submitted, if the Purchase Order value exceeds Rs.5 Lakhs.

#### 7. Security Deposit:

To ensure due execution of the Purchase Order, Vendor shall submit an interest free Security Deposit equivalent to 3% of the order value within 15 days from the date of receipt of Purchase Order. Security Deposit can be submitted by way of Bank Guarantee (as per format enclosed on Rs.200/- stamp paper) from any Nationalized/ Scheduled Bank in favor of Accounts Officer, IPRC. The Bank Guarantee should be valid for 60 days beyond the scheduled delivery date. Security Deposit can be submitted by way of Fixed Deposit Receipt (lien marked to Accounts Officer, IPRC)/Demand Draft in favor of Accounts Officer, IPRC.

In case of BG, confirmation for issued BG may be sent by issuing Bank/Branch to IFSC Code: SBIN0000880; SBI, Nagercoil Branch.

In case of non-execution of the Purchase Order within the stipulated delivery period, IPRC reserves the right to cancel the Purchase Order and forfeit the Security Deposit. However, based on request from the Vendor, in case IPRC agree to extend the delivery period with applicability of Liquidated Damages or otherwise, the validity of the Bank Guarantee should be suitably extended. It may be noted that adjustment of Security Deposit from the progressive payment/final bill is not permitted.

#### 8. Performance Bank Guarantee:

In order to ensure due performance of warranty obligation, Vendor shall submit a Performance Bank Guarantee (PBG) equivalent to 3% of the order value. The PBG can be submitted by way of Bank Guarantee (as per format enclosed on Rs. 200/- stamp paper) from any Nationalized/Scheduled Bank in favor of Accounts Officer, IPRC. The Bank Guarantee should be valid for 60 days beyond the scheduled warranty period. In case the warranty period is extended due to any reasons, the validity of the Bank Guarantee shall also be extended suitably. PBG can be submitted by way of Fixed Deposit Receipt (lien marked to Accounts Officer, IPRC)/Demand Draft in favor of Accounts Officer, IPRC also. The PBG will be forfeited in case of non-performance of warranty obligation.

In case of BG, confirmation for issued BG may be sent by issuing Bank/Branch to IFSC Code: SBIN0000880; SBI, Nagercoil Branch.

In case a Purchase Order requires submission of Security Deposit and Performance Bank Guarantee, Vendor has the option to submit a combined Bank Guarantee for Security Deposit and Performance Bank Guarantee within 15 days from the date of receipt of Purchase Order and valid for 60 days beyond completion of the warranty period/all contractual obligation. In case PBG is submitted by way FDR (lien marked to Accounts Officer, IPRC or Demand Draft (in favor of Accounts Officer, IPRC).

10. Instructions for comprehensive insurance to workers is attached in the tender document. In addition to the submission of Order Acknowledgement and Security Deposit, Vendor shall also furnish copy of valid Insurance policy after receipt and acceptance of the Purchase Order. Concurrence for the same, with your seal and signature shall be provided along with your quote.

## **A.1 Tender Schedule**

Bid Submission Start Date :	<b>13-09-2024 17:00</b>
Bid Clarification Due Date :	<b>20-09-2024 10:00</b>
Bid Submission Due Date :	<b>14-10-2024 10:00</b>
Bid Opening Date :	<b>14-10-2024 10:05</b>
Price Bid Opening Date :	<b>16-10-2024 10:00</b>

## **B. Tender Attachments**

### **Technical Write-up/Drawings**

**Document : Annexure-1**

**Document : Annexure-2**

**Document : Annexure-3**

### **Instructions To Vendors**

#### **4. STANDARD TERMS AND CONDITIONS ( DOS PM:19)**

1. Arbitration in the event of any dispute or difference arising under these terms & conditions or any condition contained in the Purchase Order or in connection with this Contract. (except as to any matter the decision of which is specially provided for by these conditions), the same shall be referred to the sole arbitration of the Head of the Purchase Office or of some other person appointed by him, and the dispute further processed in terms of the Arbitration & Conciliation Act, 1996. There will be no objection that the arbitrator is a Government Servant that he had to deal with matter which the Contract relates to or that in the course of his duties as Government Servant has expressed views on all or any of the matters in dispute or difference. The award of the arbitrator shall be final and binding on the parties of this Contract.

2. Corrections, if any, in the quotation must be attested. All amounts shall be indicated both in words as well as in figures. When there is difference between the amount quoted in words and figures, the amount quoted in words shall prevail.

3. Guarantee: The stores offered should be guaranteed for a minimum period of twelve months against defective stores design, operation or manufacture. For defects noticed during the guarantee period, replacement/repair should be arranged free of cost within a reasonable period of such notification. In cases where our specifications call for a guarantee period more than 12 months specifically, then such a period shall apply.

4. If the arbitrator is a person appointed by the Head of the Purchase Office, In the event of his denying or neglecting or refusing to act, or resigning or being unable to act, for any reason, shall be lawful for the Head of the Purchase Office either to proceed with the reference himself or to appoint another person as arbitrator in place of the outgoing arbitrator subject, as aforesaid, to the Arbitration and Conciliation Act, 1996, and the rules there under and any statutory modifications thereof for the time being in force shall be deemed to apply to the arbitration proceeding under the clause. The Arbitrator

shall have the power to extend with the consent of the Purchaser and the Contractor the time for making and publishing the award. The venue of arbitration shall be the place as the Purchaser in his absolute discretion may determine. Work under the Contract shall, if reasonably possible, continue during Arbitration Proceedings.

5. If the arbitrator is the Head of the Purchase Office :

(i) In the event of his being transferred or vacating his office by resignation or otherwise, it shall be lawful for his successor in office either to proceed with the reference himself or to appoint another person as arbitrator, or In the event of his being unwilling or unable to act for any reason, it shall be lawful for the Head of the Purchase Office to appoint another person as arbitrator.

6. Late Tenders will not be considered.

7. Packing and Forwarding: The Contractor will be held responsible for the stores being sufficiently and properly packed for transport by rail, road, sea or air, to withstand transit hazards and ensure safe arrival at the destination. The packing and marking of packages shall be done by and at the expense to the Contractor.

8. Payment terms are full payment within 30 days from the date of receipt and acceptance of material ordered. Our Bankers are State Bank of India, Mahendragiri.

9. Prices are required to be quoted according to the units indicated in the annexed tender form. When quotations are given in terms of units other than those specified in the tender form, relationship between the two systems of unit must be furnished.

10. Quotation should be valid for at least 90 days from the date of opening of the tender.

11. Sales Tax and/or other duties/levies, where legally leviable and intended to be claimed, should be distinctly shown separately in the tender.

12. Specifications: Stores offered should strictly conform to Purchaser's specifications. Deviations, if any, shall be clearly indicated by the tenderer in his quotation. The tenderer should also indicate the Make/Type number of the stores offered and provide catalogues, technical literature and samples, wherever necessary, along with the quotation. Test certificate, wherever necessary, should be forwarded along with supplies. Wherever options are called for in our specifications, the tenderer should address all such options, wherever specifically mentioned by us, and the tenderer could suggest changes to specifications with appropriate response for the same. Even in such case, the tenderer should state why he cannot meet our specifications and why he is suggesting the change.

13. Successful tenderer will have to furnish in the form of a Bank Guarantee or in any other form as

called for by the Purchaser towards adequate security for the materials/property provided by the purchaser for the due execution for the Contract.

#### 14. TERMS AND CONDITIONS OF TENDER:

Price quoted should be on the basis of FOR IPRC, Mahendragiri or delivery at site. The Purchaser will not pay separately for transit insurance, and the risk and cost during transit shall be exclusively the responsibility of the Contractor and the purchaser shall pay only for such stores as are actually received in good condition in accordance with the Contract.

15. The Contractor shall at all times indemnify the Purchaser against all claims which may be in respect of the stores for infringement of any right protected by Patent, Registration or design or Trade Mark and shall take all risks of accidents or damage which may cause a failure of the supply from whatever causes arising and the entire responsibility for the sufficiency of all means used by him for the fulfillment of the Contract.

16. The Purchaser reserves the right to accept or reject any quotation fully or partly without assigning any reason thereof.

17. The time for and the date of delivery of the stores stipulated in the Purchase Order shall be deemed to be the essence of the Contract and delivery must be completed not later than the date specified therein, and failure to do so, without adequate justification, may involve cancellation of the Contract at the discretion of the Purchaser.

18. Where counter terms and conditions/printed or cyclostyled conditions of sale have been offered by the tenders, the same shall not be deemed to have been accepted by the Purchaser unless the Purchaser's specific written acceptance thereof is obtained.

#### 5. GENERAL TERMS AND CONDITIONS:

1. a) Facility of after sales service to be confirmed with details.
  - b) Permanent Account Number (PAN) allotted by Income-Tax authorities shall be furnished with documentary proof. Otherwise, documentary proof for having applied for PAN should be provided. Also PAN should be in the name of Company/Firm, if quoted by the Company/Firm and in the name of Individual, if quoted by individual.
  - c) GST No.
  - d) Local office in Tirunelveli / Nagercoil is preferable.
- Note: (b) to (d) are applicable for Indian Companies only.

2. All amounts shall be indicated both in words as well as in figures. Where there is difference between amounts quoted in words and figures, amount quoted in words shall prevail.

3. GST where legally leviable and intended to be claimed should be distinctly shown separately in the tender.
4. Guarantee / Warranty period as applicable shall be indicated, along with the quote. Guarantee/Warranty shall commence from the date of installation and acceptance of the complete equipment supplied under the contract/purchase order.
5. If an Indian agent submits bid on behalf of the Principal/OEM, the same Indian agent shall not submit a bid on behalf of another Principal/OEM in the same tender for the same item/product
6. In a tender, either the Indian Agent on behalf of the Principal/OEM or Principal/ OEM itself can bid but both cannot bid simultaneously for the same item/product in the same tender.
7. In case of imported items (stores), Ex-Works/FOB/FCA prices should be indicated. In case of indigenous stores the quotation should be on FOR-Destination / Door delivery basis.
8. In case the vendor falls in the category of Small Scale Industries (SSIs), who are registered with NSIC, Public Sector Undertakings (PSUs) and Micro & Small Enterprises (MSMEs) the same shall be mentioned in their quote for evaluation.
9. Indian Agents while quoting on behalf of their principals shall attach necessary authorization letter from their Principals along with the bid.
10. IPRC reserves the right to accept or reject any quotation in full or part thereof by recording the reasons.
11. IPRC shall not be responsible for failure of vendors in submitting bids online caused due to technical reasons at vendor end such as network or power failures, computer failure, internet-browser, mistakes / errors in filling the bids on line by vendor etc.
12. ISRO PROPULSION COMPLEX (IPRC) is exempted from payment of Customs Duty under Notification No. 50/2017-Customs dated 30.06.2017 and as amended by Notification No.5/18 Customs dt:25/1/18. For imported items IPRC will provide Customs Duty Exemption Certificate for availing Concessional CD and IGST.
13. Last minute request for the extension of the due date w.r.t. any technical issue at Vendors/Suppliers side will not be considered. You may submit your quotation online well in advance instead of waiting till the last date to ensure that Internet problem and network condition does not cause problem.



14. LIQUIDATED DAMAGES: Delivery is the essence of the contract. Items shall be delivered within stipulated period. If delivery is delayed beyond the stipulated delivery period mentioned in the purchase order or any extension thereof, an amount equal to 0.5% per week shall be recovered, subject to a maximum of 10% of the order value shall be deducted from your bills due.

15. Offers sent through post, telegram, fax, e-mail, courier will not be considered. Partially completed / incomplete tenders shall not be considered.

16. Only authorized dealers/agents or their accredited representatives for original manufacturers have to submit the quotation with documentary evidence.

17. PAYMENT: 100% through RTGS within 30 days from the date of receipt and acceptance of items at our site is the normal payment for Indigenous supply. In the case of direct Import, normal terms of payment are by Sight Draft / Wire Transfer after receipt of items. However, other terms of payment like establishment of Letter of Credit may be considered by the Purchaser on such terms and conditions as may be agreed upon.

18. PERFORMANCE BANK GUARANTEE :

The Supplier shall guarantee the successful and satisfactory performance/commissioning of equipment/machinery under the conditions specified in the Purchase Order. As a performance security, the SUPPLIER shall furnish a performance bank guarantee (in the prescribed format) from Nationalized Bank/Scheduled Bank for an amount equal to the sum of 3% of the order value ensuring the due performance of equipment/machinery in accordance with all the specifications and terms specified in the Purchase Order herein valid for the period of two months beyond warranty period. On due performance, the performance bank guarantee shall be automatically cancelled and returned to the Supplier within 30 days after expiry of the Warranty period.

19. SECURITY DEPOSIT : Security Deposit @ 3% of order value shall be submitted in the form of DD/FDR duly endorsed in favour of Accounts Officer, IPRC or by way of Bank Guarantee (in the prescribed format) within 30 days after receipt of order and valid up to the successful execution of the order.

20. The goods or material offered should be strictly as per our specifications. Change(s) in specifications, if any, should be clearly indicated by the supplier in his quotation. The supplier should also indicate make/type No. of the materials or equipment offered. Vague terms such as Best Indian, Best Indigenous and Imported make should not be used.

21. The offer should be valid for a minimum period of 120 days from the date of Technical bid opening & 90 days from the date of Price Bid opening (in case of two-part tender).

22. The purchaser shall be under no obligation to accept the lowest or any tender and reserves the

right of acceptance of the whole or any part of the tender or portions of the quantity offered and the tenderer shall supply the same at the rates quoted.

23. Wherever the tenderer is asked to submit sample for evaluation of tenders, the same shall be submitted along with your quote.

## **6. STANDARD TERMS AND CONDITIONS (DOS PM: 20)**

### **1. ACCEPTANCE OF STORES:**

(a) The stores shall be tendered by the Contractor for inspection at such places as may be specified by the purchaser at the Contractor's own risk, expense and cost.

(b) It is expressly agreed that the acceptance of the stores Contracted for, is subject to final approval by the purchaser, whose decision shall be final.

(c) If, in the opinion of the purchaser, all or any of the stores do not meet the performance or quality requirements specified in the Purchase Order, they may be either rejected or accepted at a price to be fixed by the purchaser and his decision as to rejection and the prices to be fixed shall be final and binding on the Contractor.

(d) If the whole or any part of the stores supplied are rejected in accordance with Clause No. 1 (c) above, the purchaser shall be at liberty, with or without notice to the Contractor, to purchase in the open market at the expense of the Contractor stores meeting the necessary performance and quality Contracted for in place of those rejected, provided that either the purchase, or the agreement to purchase, from another supplier is made within six months from the date of rejection of the stores as aforesaid.

### **2. DELIVERY:**

(a) The time for and the date of delivery of the stores stipulated in the Purchase Order shall be deemed to be the essence of the Contract and delivery must be completed on or before the specified dates.

(b) Should the Contractor fail to deliver the stores or any consignment thereof within the period prescribed for such delivery, the purchaser shall be entitled at his option either.

(i) to recover from the Contractor as agreed liquidated damages and not by way of penalty, a sum of 0.5% per week of the price of any stores which the Contractor has failed to deliver as aforesaid or during which the delivery of such store may be in arrears subject to a maximum of 10%, or

(ii) to purchase from elsewhere, without notice to the Contractor on the account and at the risk of the Contractor, the stores not delivered or others of a similar description (where others exactly complying with the particulars, are not, in the opinion of the purchaser, readily procurable, such opinion being final) without cancelling the Contract in respect of the consignment (s) not yet due for delivery, or

(iii) to cancel the Contract or a portion thereof and if so desired to purchase or authorise the purchase of stores not so delivered or others of a similar description (where others exactly if complying with the particulars are not, in the opinion of the purchaser, readily procurable, such opinion final) at the risk and cost of the Contractor.

In the event of action being taken under sub-clause (ii) & (iii) of clause 2 (b) above, the Contractor shall be liable for any loss which the purchaser may sustain on that account, provided that the re-purchase or if there is an agreement to re-purchase then such agreement is made within six months from the date of such failure. But the Contractor shall not be entitled to any gain on such re-purchase made against default. The manner and method of such re-purchase shall be at the discretion of the purchaser, whose decision shall be final. It shall not be necessary for the purchaser to serve a notice of such re-purchase on the defaulting Contractor. This right shall be without prejudice to the right of the purchaser to recover damages for breach of Contract by the Contractor.

### 3. DISPATCH:

The Contractor is responsible for obtaining a clear receipt from the Transport Authorities specifying the goods dispatched. The consignment should be dispatched with clear Railway Receipt/Lorry Receipt. If sent in any other mode, it shall be at the risk of the Contractor. Purchaser will take no responsibility for short deliveries or wrong supply of goods when the same are booked on "said to contain" basis. Purchaser shall pay for only such stores as are actually received by them in accordance with the Contract.

### 4. ERECTION OF PLANT & MACHINERY:

Wherever erection of a plant or machinery is the responsibility of the Contractor as per the terms of the Contract and in case the Contractor fails to carry out the erection as and when called upon to do so within the period specified by the purchaser, the purchaser shall have the right to get the erection done through any source of his choice. In such an event, the Contractor shall be liable to bear any additional expenditure that the purchaser is liable to incur towards erection. The Contractor shall, however, not be entitled to any gain due to such an action by the purchaser.

### 5. EXTENSION OF TIME:

As soon as it is apparent that the Contract dates cannot be adhered to, an application shall be sent by

the Contractor to the purchaser. If failure, on the part of the Contractor, to deliver the stores in proper time shall have arisen from any cause which the purchaser may admit as reasonable ground for an extension of the time (and his decision shall be final) he may allow such additional time as he considers it to be justified by circumstances, of the case without prejudice to the purchaser's right to recover liquidated damages under clause 2 thereof.

## 6. GUARANTEE & REPLACEMENT:

- (a) The Contractor shall guarantee that the stores supplied shall comply fully with the specifications laid down, for material, workmanship and performance.
- (b) For a period of twelve months after the acceptance of the stores, if any defects are discovered therein or any defects therein found to have developed under proper use, arising from faulty stores design or workmanship, the Contractor shall remedy such defects at his own cost provided he is called upon to do so within a period of 14 months from the date of acceptance thereof by the purchaser who shall state in writing in what respect the stores or any part thereof are faulty.
- (c) If, in the opinion of the purchaser, it becomes necessary to replace or renew any defective stores such replacement or renewal shall be made by the Contractor free of all costs to the purchaser, provided the notice informing the Contractor of the defect is given by the purchaser in this regard within the said period of 14 months from the date of acceptance thereof.
- (d) Should the Contractor fail to rectify the defects, the purchaser shall have the right to reject or repair or replace at the cost of the Contractor the whole or any portion of the defective stores.
- (e) The decision of the purchaser notwithstanding any prior approval or acceptance or inspection thereof on behalf of the purchaser, as to whether or not the stores supplied by the Contractor are defective or any defect has developed within the said period of 12 months or as to whether the nature of the defects requires renewal or replacement, shall be final, conclusive and binding on the Contractor.
- (f) To fulfill guarantee conditions outlined in clause 6 (a) to (e) above, the Contractor shall, at the option of the purchaser, furnish a Bank Guarantee (as prescribed by the purchaser) from a Bank approved by the purchaser for an amount equivalent to 3% of the value of the Contract along with first shipment documents. On the performance and completion of the Contract in all respects, the Bank Guarantee will be returned to the Contractor without any interest.
- (g) All the replacement stores shall also be guaranteed for a period of 12 months from the date of arrival of the stores at purchaser site.
- (h) Even while the 12 months guarantee applies to all stores, in case where a greater period is

called for by our specifications then such a specification shall apply in such cases the period of 14 months referred to in para 6 (b) & (c) shall be the guarantee period plus two months.

#### 7. PACKING FORWARDING & INSURANCE:

The Contractor will be held responsible for the stores being sufficiently and properly packed for transport by rail, road, sea or air to withstand transit hazards and ensure safe arrival at the destination. The packing and marking of packages shall be done by and at the expense of the Contractor. The purchaser will not pay separately for transit insurance, all risks in transit being exclusively of the Contractor and the Purchaser shall pay only for such stores as are actually received in good condition in accordance with the Contract.

#### 8. PRICES:

Tender offering firm prices will be preferred. Where a price variation clause is insisted upon by a tenderer, quotation with a reasonable ceiling should be submitted. Such offers should invariably be supported by the base price taken into account at the time of tendering and also the formula for any such variation/s.

#### 9. REJECTED STORES:

Rejected stores will remain at destination at the Contractor risk and responsibility. If instructions for their disposal are not received from the Contractor within a period of 14 days from the date of receipt of the advice of rejection, the purchaser or his representative has, at his discretion, the right to scrap or sell or consign the rejected stores to Contractor's address at the Contractor's entire risk and expense, freight being payable by the Contractor at actuals.

#### 10. SECURITY DEPOSIT(SD):

The Supplier shall provide Bank Guarantee for an amount equivalent to the 3% (Three PERCENT) of the total Order value towards Security Deposit for the due performance of the Purchase Order. The Security Deposit can be submitted in the form of Bank Guarantee (format enclosed) or Fixed Deposit receipt obtained from any Nationalized/ Scheduled Bank and it shall be kept valid for a period of sixty days beyond the date of completion of the Purchase Order. This Security Deposit will be returned to the Supplier only upon successful completion of all the contractual obligations or shall be adjusted/ forfeited against non-fulfilment of any of the contractual obligations. The Security Deposit shall be submitted within 30 days from the date of receipt of Purchase Order.

#### 11. TEST CERTIFICATE:

Wherever required, test certificates should be sent along with the dispatch documents.

12. The Purchaser shall mean the President of India or his successors or assigns.

**7. LOCAL CONTENT DECLARATION CERTIFICATE FORMAT (in your letter head)GP1 REVISED**

1. In line with the Government Public Procurement Order No. P/45021/2/2017-BE-II dtd . 15.06.2017 , as amended from time to time,

and as applicable on the date of submission of tender, we hereby certify that , we M/s.

\_\_\_\_\_ are local supplier meeting the requirement of minimum local content, \_\_\_\_\_%, as defined above in the orders for the material against Tender Enquiry No. \_\_\_\_ dtd. \_\_\_\_ .

2. The HSN No. of the item supplied is \_\_\_\_\_

Percentage of Local value addition , involved in the item are:

- 1.
- 2.
- 3.

3. This is also certified that the following factors are excluded in the above percentage: (strike out which are not applicable)

1. imported item sourced locally from resellers/distributors (value in \_\_\_\_% including tax, if applicable)

2. The license fee/royalties paid/technical charges paid out of India. (value in \_\_\_\_% including tax, if applicable)

3. Repackaged/refurbished/rebranded imported products (value in \_\_\_\_% including tax, if applicable)

4. The details of location at which the value addition will be made is as follows :

\_\_\_\_\_  
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5. We also understand that , false declarations will be in breach of code of integrity, under rule 175 (1) (i) (h), of the General Financial Rules, for which a bidder, or its successors can be debarred for up to 3 years under Rule 151 (iii) of the GFR along with such other actions as may be permissible under law.

For (company name)

Authorized Signatory

**8. Conditions for BIDDER FROM A COUNTRY WHICH SHARES LAND BORDER WITH INDIA**

1. Any false declaration and non-compliance of the above would be a ground for immediate rejection of

offer or termination of the contract and further legal action in accordance with the laws.

2. As per the Rule 144(xi) of General Financial Rule, 2017, any bidder from a country which shares a land border with India will be eligible to bid in any procurement whether of goods, services (including consultancy services and non-consultancy services) or works (including turnkey projects) only if the bidder is registered with the competent authority ie., Department for Promotion of Industry and Internal Trade (DPIIT).

3. Hence, Vendors or Agents of a Vendor (Indian or others) from a country sharing border with India shall submit copy of valid registration made with Department for Promotion of Industry and Internal Trade (DPIIT), Government of India along with the tender mandatorily, without which the offer will be treated as invalid.

#### 4. Model Certificate for Tenders

I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority. I hereby certify that this bidder fulfils all requirements in this regard and is eligible to be considered

5. Validity of Registration: Registration should be valid at the time of submission of bids and should be valid at the time of placement of order.

### 9. INSURANCE TO WORKERS

1. The Vendor shall arrange for a comprehensive insurance policy to all their workers/ human resources for the Sum assured as follows:

2. (i) In the event of death or permanent disablement/ disability resulting from loss of limbs - Rs. 10.00 Lakh

(ii) In the event of other permanent disablement/ disability - Rs. 7.00 Lakh

3. The number of workers covered under the insurance shall be as per the scope defined in the Purchase order. The Vendor, at their expense, shall arrange insurance policy from any Insurance company as approved of by Insurance Regulatory and Development Authority (IRDA) to all their workers as above within 15 days from the date of Purchase order. The Purchaser will not be obliged/ liable to pay or reimburse any premium or expenditure incurred by the Vendor on this account.

4. In case of substitution of any worker, the substituted worker shall also have insurance coverage. The Purchaser will not be obliged/ liable to pay or reimburse any premium or expenditure incurred by the

Vendor on this account.

5. In case of death of or permanent disablement/disability to any worker while at work inside the Purchasers premise, the Purchaser will disburse compensation equal to the aforementioned Sum assured to the dependent of the victim (in case of death) or the victim directly (in case of permanent disablement/ disability) duly observing the procedure. The Vendor shall make necessary arrangements to refund the above compensation amount to the Purchaser (i) within 2 weeks from the date of settlement of claim by the Insurance company or (ii) within 3 months from the date of disbursement of compensation amount by the Purchaser to the victim or dependent of victim or (iii) 1 week before expiry of validity period of the Purchase order, whichever is earlier. In case of any delay in refunding the compensation amount as aforesaid, the Purchaser shall have the right to recover the compensation amount from the payment(s) due to the Vendor or Security deposit(s) submitted by the Vendor either under the subject Purchase order or any other Purchase order(s)/ Work order(s)/ Contract(s) awarded by the Purchaser to the Vendor. It is onus on the part of the Vendor to get settlement of compensation claim from the Insurance company upon due procedure.

6. Some of the key terminologies involved are defined below:

7. Accident: Any death or permanent disablement/ disability resulting solely and directly from any unintended and unforeseen injurious occurrence caused during the maintenance, operations and other supporting/ outsourced services rendered by the Vendors/ Service Providers [Private Companies, Firms & Contractors] engaged by the Purchaser within the premises of its work-site.

8. Dependent: As defined in the Employees Compensation Act, 1923

9. Victim: Any person who suffers permanent disablement/ disability or dies in an accident that occurred within the premises of the Purchasers work-site and during the discharge of duties, as defined in these Guidelines.

10. Permanent Disablement/ disability: A disablement/ disability that is classified as a permanent total disablement/ disability under the proviso to Section 2(l) of the Employees Compensation Act, 1923.



## C. Bid Templates

### C.1 Technical Bid - Rate Contract for Minor Piping Works

#### 1. Onsite Piping Work : Erection of equipments

##### Item specifications for Onsite Piping Work

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	ERECTION OF EQUIPMENTS (Work Item 1)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

#### 2. Onsite Piping Work : pipe/ Tube bending

##### Item specifications for Onsite Piping Work

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	PIPE/ TUBE BENDING (Work Item 2)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

#### 3. Onsite Piping Work : Stainless Steel butt welding and DPT - Sch 5, 5S, 10, 10S, 20, 30, 40, 40S, STD

##### Item specifications for Onsite Piping Work

SI No	Specification	Value	Compliance	Offered Specification	Remark
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1	STAINLESS STEEL BUTT WELDING AND DPT (Work Items 3 to 6)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		
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#### 4. Onsite Piping Work : Stainless Steel butt welding and DPT - Sch 80, 80S, XS, 100, 120

##### Item specifications for Onsite Piping Work

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	STAINLESS STEEL BUTT WELDING AND DPT (Work Items 3 to 6)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

#### 5. Onsite Piping Work : Stainless Steel butt welding and DPT - Sch 140, 160

##### Item specifications for Onsite Piping Work

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	STAINLESS STEEL BUTT WELDING AND DPT (Work Items 3 to 6)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

#### 6. Onsite Piping Work : Stainless Steel butt welding and DPT - Sch XXS

##### Item specifications for Onsite Piping Work

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	STAINLESS STEEL BUTT WELDING AND DPT (Work Items 3 to 6)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**7. Onsite Piping Work : Stainless Steel socket welding and DPT - Sch 5, 5S, 10, 10S, 20, 30, 40, 40S, STD**

**Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	STAINLESS STEEL SOCKET WELDING AND DPT (Work Item 7 to 10)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**8. Onsite Piping Work : Stainless Steel socket welding and DPT - Sch 80, 80S, XS, 100, 120**

**Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	STAINLESS STEEL SOCKET WELDING AND DPT (Work Item 7 to 10)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**9. Onsite Piping Work : Stainless Steel socket welding and DPT - Sch 140, 160**

### Item specifications for Onsite Piping Work

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	STAINLESS STEEL SOCKET WELDING AND DPT (Work Item 7 to 10)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

### 10. Onsite Piping Work : Stainless Steel socket welding and DPT - Sch XXS

### Item specifications for Onsite Piping Work

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	STAINLESS STEEL SOCKET WELDING AND DPT (Work Item 7 to 10)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

### 11. Onsite Piping Work : Stainless Steel mitre welding and DPT - Sch 5, 5S, 10, 10S, 20, 30, 40, 40S, STD

### Item specifications for Onsite Piping Work

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	STAINLESS STEEL MITRE WELDING AND DPT (Work Item 11 to 14)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

## 12. Onsite Piping Work : Stainless Steel mitre welding and DPT - Sch 80, 80S, XS, 100, 120

### Item specifications for Onsite Piping Work

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	STAINLESS STEEL MITRE WELDING AND DPT (Work Item 11 to 14)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

## 13. Onsite Piping Work : Stainless Steel mitre welding and DPT - Sch 140, 160

### Item specifications for Onsite Piping Work

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	STAINLESS STEEL MITRE WELDING AND DPT (Work Item 11 to 14)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

## 14. Onsite Piping Work : Stainless Steel mitre welding and DPT - Sch XXS

### Item specifications for Onsite Piping Work

SI No	Specification	Value	Compliance	Offered Specification	Remark
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1	STAINLESS STEEL MITRE WELDING AND DPT (Work Item 11 to 14)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		
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**15. Onsite Piping Work : Duplex Stainless Steel butt welding and DPT - Sch 5, 5S, 10, 10S, 20, 30, 40, 40S, STD**

**Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	DUPLEX STAINLESS STEEL BUTT WELDING AND DPT (Work Item 15 to 18)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**16. Onsite Piping Work : Duplex Stainless Steel butt welding and DPT - Sch 80, 80S, XS, 100, 120**

**Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	DUPLEX STAINLESS STEEL BUTT WELDING AND DPT (Work Item 15 to 18)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**17. Onsite Piping Work : Duplex Stainless Steel butt welding and DPT - Sch 140, 160**

**Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	DUPLEX STAINLESS STEEL BUTT WELDING AND DPT (Work Item 15 to 18)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

### 18. Onsite Piping Work : Duplex Stainless Steel butt welding and DPT - Sch XXS

#### Item specifications for Onsite Piping Work

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	DUPLEX STAINLESS STEEL BUTT WELDING AND DPT (Work Item 15 to 18)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

### 19. Onsite Piping Work : Duplex Stainless Steel socket welding and DPT - Sch 5, 5S, 10, 10S, 20, 30, 40, 40S, STD

#### Item specifications for Onsite Piping Work

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	DUPLEX STAINLESS STEEL SOCKET WELDING AND DPT (Work Item 19 to 22)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

### 20. Onsite Piping Work : Duplex Stainless Steel socket welding and DPT - Sch 80, 80S, XS, 100, 120

**Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	DUPLEX STAINLESS STEEL SOCKET WELDING AND DPT (Work Item 19 to 22)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**21. Onsite Piping Work : Duplex Stainless Steel socket welding and DPT - Sch 140, 160****Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	DUPLEX STAINLESS STEEL SOCKET WELDING AND DPT (Work Item 19 to 22)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**22. Onsite Piping Work : Duplex Stainless Steel socket welding and DPT - Sch XXS****Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	DUPLEX STAINLESS STEEL SOCKET WELDING AND DPT (Work Item 19 to 22)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**23. Onsite Piping Work : Duplex Stainless Steel mitre welding and DPT - Sch 5, 5S, 10, 10S, 20,**



**30, 40, 40S, STD****Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	DUPLEX STAINLESS STEEL MITRE WELDING AND DPT (Work Item 23 to 26)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**24. Onsite Piping Work : Duplex Stainless Steel mitre welding and DPT - Sch 80, 80S, XS, 100, 120****Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	DUPLEX STAINLESS STEEL MITRE WELDING AND DPT (Work Item 23 to 26)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**25. Onsite Piping Work : Duplex Stainless Steel mitre welding and DPT - Sch 140, 160****Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
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1	DUPLEX STAINLESS STEEL MITRE WELDING AND DPT (Work Item 23 to 26)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		
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## 26. Onsite Piping Work : Duplex Stainless Steel mitre welding and DPT - Sch XXS

### Item specifications for Onsite Piping Work

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	DUPLEX STAINLESS STEEL MITRE WELDING AND DPT (Work Item 23 to 26)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

## 27. Onsite Piping Work : Carbon/ Mild Steel butt welding and DPT - Sch 5, 5S, 10, 10S, 20, 30, 40, 40S, STD

### Item specifications for Onsite Piping Work

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	CARBON/ MILD STEEL BUTT WELDING AND DPT (Work Items 27 to 30)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

## 28. Onsite Piping Work : Carbon/ Mild Steel butt welding and DPT - Sch 80, 80S, XS, 100, 120

### Item specifications for Onsite Piping Work

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	CARBON/ MILD STEEL BUTT WELDING AND DPT (Work Items 27 to 30)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

### 29. Onsite Piping Work : Carbon/ Mild Steel butt welding and DPT - Sch 140, 160

#### Item specifications for Onsite Piping Work

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	CARBON/ MILD STEEL BUTT WELDING AND DPT (Work Items 27 to 30)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

### 30. Onsite Piping Work : Carbon/ Mild Steel butt welding and DPT - Sch XXS

#### Item specifications for Onsite Piping Work

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	CARBON/ MILD STEEL BUTT WELDING AND DPT (Work Items 27 to 30)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

### 31. Onsite Piping Work : Carbon/ Mild Steel socket welding and DPT - Sch 5, 5S, 10, 10S, 20, 30, 40, 40S, STD

**Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	CARBON/ MILD STEEL SOCKET WELDING AND DPT (Work Items 31 to 34)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**32. Onsite Piping Work : Carbon/ Mild Steel socket welding and DPT - Sch 80, 80S, XS, 100, 120****Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	CARBON/ MILD STEEL SOCKET WELDING AND DPT (Work Items 31 to 34)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**33. Onsite Piping Work : Carbon/ Mild Steel socket welding and DPT - Sch 140, 160****Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	CARBON/ MILD STEEL SOCKET WELDING AND DPT (Work Items 31 to 34)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**34. Onsite Piping Work : Carbon/ Mild Steel socket welding and DPT - Sch XXS**

**Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	CARBON/ MILD STEEL SOCKET WELDING AND DPT (Work Items 31 to 34)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**35. Onsite Piping Work : Carbon/ Mild Steel mitre welding and DPT - Sch 5, 5S, 10, 10S, 20, 30, 40, 40S, STD****Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	CARBON/ MILD STEEL MITRE WELDING AND DPT (Work Items 35 to 38)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**36. Onsite Piping Work : Carbon/ Mild Steel mitre welding and DPT - Sch 80, 80S, XS, 100, 120****Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	CARBON/ MILD STEEL MITRE WELDING AND DPT (Work Items 35 to 38)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**37. Onsite Piping Work : Carbon/ Mild Steel mitre welding and DPT - Sch 140, 160****Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	CARBON/ MILD STEEL MITRE WELDING AND DPT (Work Items 35 to 38)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**38. Onsite Piping Work : Carbon/ Mild Steel miter welding and DPT - Sch XXS****Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	CARBON/ MILD STEEL MITRE WELDING AND DPT (Work Items 35 to 38)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**39. Onsite Piping Work : Dye-Penetrant test****Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
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1	DYE-PENETRANT TEST (Work Item 39)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		
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**40. Onsite Piping Work : Mobilization for X-ray radiography from outside purchaser's premise**

**Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Mobilization for X-ray radiography from outside purchaser's premise (Work Items 40)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**41. Onsite Piping Work : Mobilization for X-ray radiography within purchaser's premise**

**Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Mobilization for X-ray radiography within purchaser's premise (Work Items 41)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**42. Onsite Piping Work : X-ray radiography - Sch 5, 5S, 10, 10S, 20, 30, 40, 40S, STD**

**Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	X-RAY RADIOGRAPHY (Work Items 40 to 45)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

#### 43. Onsite Piping Work : X-ray radiography - Sch 80, 80S, XS, 100, 120

##### Item specifications for Onsite Piping Work

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	X-RAY RADIOGRAPHY (Work Items 40 to 45)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

#### 44. Onsite Piping Work : X-ray radiography - Sch 140, 160

##### Item specifications for Onsite Piping Work

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	X-RAY RADIOGRAPHY (Work Items 40 to 45)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

#### 45. Onsite Piping Work : X-ray radiography - Sch XXS

##### Item specifications for Onsite Piping Work



SI No	Specification	Value	Compliance	Offered Specification	Remark
1	X-RAY RADIOGRAPHY (Work Items 40 to 45)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**46. Onsite Piping Work : Mobilization for gamma ray radiography from outside purchaser's premise**

**Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Mobilization for gamma ray radiography from outside purchaser's premise (Work Items 46)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**47. Onsite Piping Work : Mobilization for gamma ray radiography within purchaser's premise**

**Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Mobilization for gamma ray radiography within purchaser's premise (Work Items 47)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**48. Onsite Piping Work : Gamma ray radiography - Sch 5, 5S, 10, 10S, 20, 30, 40, 40S, STD**

**Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	GAMMA RAY RADIOGRAPHY (Work Item 46 to 51)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**49. Onsite Piping Work : Gamma ray radiography - Sch 80, 80S, XS, 100, 120****Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	GAMMA RAY RADIOGRAPHY (Work Item 46 to 51)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**50. Onsite Piping Work : Gamma ray radiography - Sch 140, 160****Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	GAMMA RAY RADIOGRAPHY (Work Item 46 to 51)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**51. Onsite Piping Work : Gamma ray radiography - Sch XXS**

### Item specifications for Onsite Piping Work

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	GAMMA RAY RADIOGRAPHY (Work Item 46 to 51)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

### 52. Onsite Piping Work : Hydrostatic Pressure test

#### Item specifications for Onsite Piping Work

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	HYDROSTATIC PRESSURE TEST (Work Item 52)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

### 53. Onsite Piping Work : Pneumatic Pressure test

#### Item specifications for Onsite Piping Work

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	PNEUMATIC PRESSURE TEST (Work Item 53)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

### 54. Onsite Piping Work : Chemical cleaning

### Item specifications for Onsite Piping Work

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	CHEMICAL CLEANING (Work Item 54)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

### 55. Onsite Piping Work : Installation of piping

#### Item specifications for Onsite Piping Work

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	INSTALLATION OF PIPING (Work Item 55)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

### 56. Onsite Piping Work : Dismantling of piping assemblies

#### Item specifications for Onsite Piping Work

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	DISMANTLING OF PIPING ASSEMBLIES (Work Item 56)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

### 57. Onsite Piping Work : Retrieval of pre-welded fittings and flow components

**Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	RETRIEVAL OF PRE-WELDED FITTINGS AND FLOW COMPONENTS (Work Item 57)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**58. Onsite Piping Work : PUF Insulation****Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	PUF-INSULATION (Work Item 58)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**59. Onsite Piping Work : Dismantling of PUF insulation****Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	DISMANTLING OF PUF-INSULATION (Work Item 59)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**60. Onsite Piping Work : Surface painting with Epoxy Zinc Phosphate primer & Acrylic Aliphatic**

## Poly Urethane Paint using brush

### Item specifications for Onsite Piping Work

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	SURFACE PAINTING (Work Items 60 to 69)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

## 61. Onsite Piping Work : Surface painting with Acrylic Aliphatic Poly Urethane Paint alone (without primer) using brush

### Item specifications for Onsite Piping Work

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	SURFACE PAINTING (Work Items 60 to 69)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

## 62. Onsite Piping Work : Surface painting with Alkyd Zinc Phosphate primer & Synthetic Enamel paint using brush

### Item specifications for Onsite Piping Work

SI No	Specification	Value	Compliance	Offered Specification	Remark
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1	SURFACE PAINTING (Work Items 60 to 69):	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		
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**63. Onsite Piping Work : Surface painting with Synthetic Enamel paint alone (without primer) using brush**

**Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	SURFACE PAINTING (Work Items 60 to 69)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**64. Onsite Piping Work : Surface Painting using brush (Paint free-issued by Purchaser)**

**Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	SURFACE PAINTING (Work Items 60 to 69):	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**65. Onsite Piping Work : Surface painting with Epoxy Zinc Phosphate primer & Acrylic Aliphatic Poly Urethane Paint using spray gun**

**Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	SURFACE PAINTING (Work Items 60 to 69)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**66. Onsite Piping Work : Surface painting with Acrylic Aliphatic Poly Urethane Paint alone (without primer) using spray gun**

**Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	SURFACE PAINTING (Work Items 60 to 69)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**67. Onsite Piping Work : Surface painting with Alkyd Zinc Phosphate primer & Synthetic Enamel paint using spray gun**

**Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	SURFACE PAINTING (Work Items 60 to 69):	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**68. Onsite Piping Work : Surface painting with Synthetic Enamel paint alone (without primer)**



using spray gun

**Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	SURFACE PAINTING (Work Items 60 to 69)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**69. Onsite Piping Work : Surface Painting using spray gun (Paint free-issued by Purchaser)**

**Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	SURFACE PAINTING (Work Items 60 to 69)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**70. Onsite Piping Work : Lettering on flow components/ equipments - Letter height lesser than or equal to 40 mm**

**Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
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1	LETTERING ON FLOW COMPONENTS/ EQUIPMENTS (Work Items 70 to 72)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		
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**71. Onsite Piping Work : Lettering on flow components/ equipments - Letter height more than 40 mm and lesser than or equal to 100 mm**

**Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	LETTERING ON FLOW COMPONENTS/ EQUIPMENTS (Work Items 70 to 72)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**72. Onsite Piping Work : Lettering on flow components/ equipments - Letter height more than 100 mm and lesser than or equal to 150 mm**

**Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	LETTERING ON FLOW COMPONENTS/ EQUIPMENTS (Work Items 70 to 72)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**73. Onsite Piping Work : Fabrication of structures (structural materials free-issued by Department)**

**Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	STRUCTURAL WORKS (Work Item 73 to 75)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**74. Onsite Piping Work : Fabrication of structures (structural materials delivered by vendor)****Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	STRUCTURAL WORKS (Work Item 73 to 75)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**75. Onsite Piping Work : Dismantling of structures****Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	STRUCTURAL WORKS (Work Item 73 to 75)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**76. Onsite Piping Work : Cutting of Mild Steel plate/ sheet by Gas torch - Thickness lesser than**

or equal to 10 mm

**Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	CUTTING OF MILD STEEL PLATES/ SHEETS BY GAS TORCH (Work Items 76 to 80)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**77. Onsite Piping Work : Cutting of Mild Steel plate/ sheet by Gas torch - Thickness more than 10 mm and lesser than or equal to 20 mm**

**Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	CUTTING OF MILD STEEL PLATES/ SHEETS BY GAS TORCH (Work Items 76 to 80)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**78. Onsite Piping Work : Cutting of Mild Steel plate/ sheet by Gas torch - Thickness more than 20 mm and lesser than or equal to 40 mm**

**Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
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1	CUTTING OF MILD STEEL PLATES/ SHEETS BY GAS TORCH (Work Items 76 to 80)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		
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**79. Onsite Piping Work : Cutting of Mild Steel plate/ sheet by Gas torch - Thickness more than 40 mm and lesser than or equal to 60 mm**

**Item specifications for Onsite Piping Work**

Sl No	Specification	Value	Compliance	Offered Specification	Remark
1	CUTTING OF MILD STEEL PLATES/ SHEETS BY GAS TORCH (Work Items 76 to 80)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**80. Onsite Piping Work : Cutting of Mild Steel plate/ sheet by Gas torch - Thickness more than 60 mm and lesser than or equal to 80 mm**

**Item specifications for Onsite Piping Work**

Sl No	Specification	Value	Compliance	Offered Specification	Remark
1	CUTTING OF MILD STEEL PLATES/ SHEETS BY GAS TORCH (Work Items 76 to 80)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**81. Onsite Piping Work : Cutting of Stainless Steel plate/ sheet by Plasma machine - Thickness lesser than or equal to 10 mm**

**Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	CUTTING OF STAINLESS STEEL PLATES/ SHEETS BY PLASMA MACHINE (Work Items 81 to 83)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**82. Onsite Piping Work : Cutting of Stainless Steel plate/ sheet by Plasma machine - Thickness more than 10 mm and lesser than or equal to 20 mm****Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	CUTTING OF STAINLESS STEEL PLATES/ SHEETS BY PLASMA MACHINE (Work Items 81 to 83)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**83. Onsite Piping Work : Cutting of Stainless Steel plate/ sheet by Plasma machine - Thickness more than 20 mm and lesser than or equal to 40 mm****Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
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1	CUTTING OF STAINLESS STEEL PLATES/ SHEETS BY PLASMA MACHINE (Work Items 81 to 83)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		
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**84. Onsite Piping Work : Cutting of Stainless Steel plate/ sheet by grinding machine - Thickness lesser than or equal to 3 mm**

**Item specifications for Onsite Piping Work**

Sl No	Specification	Value	Compliance	Offered Specification	Remark
1	CUTTING OF STAINLESS STEEL PLATES/ SHEETS BY GRINDING MACHINE (Work Items 84 to 86)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**85. Onsite Piping Work : Cutting of Stainless Steel plate/ sheet by grinding machine - Thickness more than 3 mm and lesser than or equal to 6 mm**

**Item specifications for Onsite Piping Work**

Sl No	Specification	Value	Compliance	Offered Specification	Remark
1	CUTTING OF STAINLESS STEEL PLATES/ SHEETS BY GRINDING MACHINE (Work Items 84 to 86)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**86. Onsite Piping Work : Cutting of Stainless Steel plate/ sheet by grinding machine - Thickness more than 6 mm and lesser than or equal to 10 mm**

**Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	CUTTING OF STAINLESS STEEL PLATES/ SHEETS BY GRINDING MACHINE (Work Items 84 to 86)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**87. Onsite Piping Work : Construction of civil structure - Plain Cement Concrete (PCC)****Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	CONSTRUCTION OF CIVIL STRUCTURES (Work Items 87 to 89)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**88. Onsite Piping Work : Construction of civil structure - Reinforced Cement Concrete (RCC)****Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	CONSTRUCTION OF CIVIL STRUCTURES (Work Items 87 to 89)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**89. Onsite Piping Work : Construction of civil structure - Brick masonry**



**Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	CONSTRUCTION OF CIVIL STRUCTURES (Work Items 87 to 89)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**90. Onsite Piping Work : Dismantling of civil structure - Plain Cement Concrete (PCC)****Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	DISMANTLING OF CIVIL STRUCTURES (Work Items 90 to 92)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**91. Onsite Piping Work : Dismantling of civil structure - Reinforced Cement Concrete (RCC)****Item specifications for Onsite Piping Work**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	DISMANTLING OF CIVIL STRUCTURES (Work Items 90 to 92)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

**92. Onsite Piping Work : Dismantling of civil structure - Brick masonry**

### Item specifications for Onsite Piping Work

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	DISMANTLING OF CIVIL STRUCTURES (Work Items 90 to 92)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

### 93. Onsite Piping Work : Laying SS tube using ferrule fittings - 12 mm OD

#### Item specifications for Onsite Piping Work

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	LAYING SS TUBES USING FERRULE FITTINGS (Work Items 93 to 94)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

### 94. Onsite Piping Work : Laying SS tube using ferrule fittings - 8 mm OD

#### Item specifications for Onsite Piping Work

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	LAYING SS TUBES USING FERRULE FITTINGS (Work Items 93 to 94)	AS PER GENERAL CONDITIONS OF (RATE) CONTRACT FOR MINOR PIPING WORKS GIVEN IN ANNEXURE - 1 & TECHNICAL SPECIFICATION OF MINOR PIPING WORKS GIVEN IN ANNEXURE - 2	Yes / No / Explain		

### Common Specifications (Applicable for all items)

Sl No	Specification	Value	Compliance	Offered Specification	Remark
1	Specify financial turnover during the Financial Year (FY) 2021-22. Attach Income tax return statement/ Audited balance sheet/ Annual report.		-		
2	Specify profit/ loss during the FY 2021-22.		-		
3	Specify financial turnover during the FY 2022-23. Attach Income tax return statement/ Audited balance sheet/ Annual report.		-		
4	Specify profit/ loss during the FY 2022-23.		-		
5	Specify financial turnover during the Financial Year (FY) 2023-24. Attach Income tax return statement/ Audited balance sheet/ Annual report.		-		
6	Specify profit/ loss during the FY 2023-24		-		

7	Specify the price of Work # 1 for Piping fabrication work successfully completed during the last 7 years ending 31/08/2024. Attach work completion/ final acceptance certificate issued by the client in favour of the Bidder.				
8	If response to S No 7 above does not fulfill Bid eligibility criteria # 3.3.2.a in Annexure 3, specify the price of Work # 2 for Piping fabrication work successfully completed during the last 7 years ending 31/08/2024.				
9	If responses to S No 7 & 8 above do not fulfill Bid eligibility criteria # 3.3.2.a & 3.3.2.b in Annexure 3, specify the price of Work # 3 for Piping fabrication work successfully completed during the last 7 years ending 31/08/2024.				

10	Specify quantity (in Inch-Diameter) of Butt welding of Austenitic Stainless Steel piping joints employing Gas Tungsten Arc Welding (GTAW) process successfully completed by the Bidder during last 7 years ending 31/08/2024.		-		
11	Specify quantity (in Inch-Diameter) of Radiographic Test (RT) of butt welding piping joints successfully completed by the Bidder put together in maximum of 3 work orders during last 7 years ending 31/08/2024.		-		
12	Specify quantity (in Metric Tonne) of Structural (metallic) fabrication successfully completed by the Bidder put together in maximum of 3 work orders during last 7 years ending 31/08/2024.		-		
13	Confirm willingness to accept Rate Contract for part value irrespective of share of the total price as per Tender Enquiry		-		

14	Confirm that there is no mention or indication of any element of price whatsoever, as sum or percentage, in the Techno-Commercial Bid (Part 1).		-		
15	Confirm coverage of human resources with Group insurance, Employees Provident Fund (EPF) and Employees State Insurance (ESI)		-		
16	Confirm willingness to submit Security Deposit (SD) for 3% of the Rate Contract price ceiling.		-		
17	Confirm compliance with the Technical specification as per Annexure 2 to this Tender Enquiry. Deviation, if any, from the Tender Enquiry specification shall be explicitly spelt out in the Remarks column.		-		
18	Name of the Bidder/ Company		-		
19	Full address		-		

20	Landline telephone number		-		
21	Cellular mobile telephone number		-		
22	Fax number		-		
23	Email ID		-		
24	Goods & Service Tax identification number		-		
25	Income Tax Permanent Account Number		-		
26	Name of the Proprietor/ Manager/ President/ Secretary/ Chief Executive/ Authorized signatory with Job title (Designation) and Affiliation (Department)		-		
27	Status of the Bidder as to whether Central/ State Government Department/ Enterprise/ Autonomous body or Private company or Firm or Agency or Society, etc		-		

### Supporting Documents required from Vendor

**1. Income tax return statement/ Audited balance sheet/ Annual report for the financial year 2021-2022**

**2. Income tax return statement/ Audited balance sheet/ Annual report for the financial year 2022-2023**

- 3. Income tax return statement/ Audited balance sheet/ Annual report for the financial year 2023-2024**
- 4. Work completion/ final acceptance certificate issued by the client in favour of the Bidder for work # 1 for piping fabrication work successfully completed during the last 7 years ending 31/08/2024.**
- 5. Work completion/ final acceptance certificate issued by the client in favour of the Bidder for work # 2 for piping fabrication works successfully completed during the last 7 years ending 31/08/2024**
- 6. Work completion/ final acceptance certificate issued by the client in favour of the Bidder for work # 3 for piping fabrication works successfully completed during the last 7 years ending 31/08/2024**
- 7. Work completion/ final acceptance certificate for Butt welding of Austenitic Stainless Steel piping joints employing Gas Tungsten Arc Welding (GTAW) process successfully completed by the Bidder in work order # 1 during last 7 years ending 31/08/2024**
- 8. Work completion/ final acceptance certificate for Butt welding of Austenitic Stainless Steel piping joints employing Gas Tungsten Arc Welding (GTAW) process successfully completed by the Bidder in work order # 2 during last 7 years ending 31/08/2024.**
- 9. Work completion/ final acceptance certificate for Butt welding of Austenitic Stainless Steel piping joints employing Gas Tungsten Arc Welding (GTAW) process successfully completed by the Bidder in work order # 3 during last 7 years ending 31/08/2024.**
- 10. Work completion/ final acceptance certificate for Radiographic Test (RT) of butt welding piping joints successfully completed by the Bidder in work order # 1 during last 7 years ending 31/08/2024.**
- 11. Work completion/ final acceptance certificate for Radiographic Test (RT) of butt welding piping joints successfully completed by the Bidder in work order # 2 during last 7 years ending 31/08/2024.**
- 12. Work completion/ final acceptance certificate for Radiographic Test (RT) of butt welding piping joints successfully completed by the Bidder in work order # 3 during last 7 years ending 31/08/2024**
- 13. Work completion/ final acceptance certificate for Structural (metallic) fabrication successfully completed by the Bidder in work order # 1 during last 7 years ending 31/08/2024.**



**14. Work completion/ final acceptance certificate for Structural (metallic) fabrication successfully completed by the Bidder in work order # 2 during last 7 years ending 31/08/2024**

**15. Work completion/ final acceptance certificate for Structural (metallic) fabrication successfully completed by the Bidder in work order # 3 during last 7 years ending 31/08/2024.**

5 additional documents can be uploaded by the vendor

## C.2 Commercial Terms / Bid

Sl. No.	Description	Compliance	Vendor Terms
1	Items supplied and used by the Vendors shall meet all the quality norms and technical specifications.	Yes / No / Explain	
2	Taxes and other costs, if any: (Specify)	Yes / No / Explain	
3	Validity of Offer (specify)	Yes / No / Explain	
4	Delivery Period (specify)	Yes / No / Explain	
5	Delivery Terms: Normal delivery terms - FOR Destination (i.e., IPRC, Mahendragiri)	Yes / No / Explain	
6	PAYMENT TERMS - Our normal payment terms is 100% within 30 days of receipt and acceptance of the items (No advance payment allowed). Specify your payment terms.	Yes / No / Explain	

7	<p>Security Deposit: To ensure due execution of the Purchase Order, Vendor shall submit an interest free Security Deposit equivalent to 3% of the order value within 15 days from the date of receipt of Purchase Order. Security Deposit can be submitted by way of Bank Guarantee (as per format enclosed on Rs.200/- stamp paper) from any Nationalized/ Scheduled Bank in favor of Accounts Officer, IPRC. The Bank Guarantee should be valid for 60 days beyond the scheduled delivery date. Security Deposit can be submitted by way of Fixed Deposit Receipt (lien marked to Accounts Officer, IPRC)/Demand Draft in favor of Accounts Officer, IPRC.</p> <p>In case of BG, confirmation for issued BG may be sent by issuing Bank/Branch to IFSC Code: SBIN0000880; SBI, Nagercoil Branch.</p> <p>In case of non-execution of the Purchase Order within the stipulated delivery period, IPRC reserves the right to cancel the Purchase Order and forfeit the Security Deposit. However, based on request from the Vendor, in case IPRC agree to extend the delivery period with applicability of Liquidated Damages or otherwise, the validity of the Bank Guarantee should be suitably extended. It may be noted that adjustment of Security Deposit from the progressive payment/final bill is not permitted.</p>	Yes / No / Explain	
8	Confirm: Conditions for BIDDER FROM A COUNTRY WHICH SHARES LAND BORDER WITH INDIA	Yes / No / Explain	
9	Name of PRINCIPAL, Address, Contact No, E-mail Id etc. (specify):	Yes / No / Explain	
10	Name of INDIAN AGENT, Address, Contact No, E-mail Id etc. (specify):	Yes / No / Explain	
11	Currency quoted (specify)	Yes / No / Explain	
12	Warranty / Guarantee Period: (specify)	Yes / No / Explain	
13	Taxes and other costs, if any: (specify).	Yes / No / Explain	

14	Liquidated Damages - Delivery is the essence of the order. If delivery is delayed beyond the stipulated delivery period, LD at 0.5% per week shall be recovered subject to a maximum of 10% of order value of undelivered items	Yes / No / Explain	
15	<p>Performance Bank Guarantee (PBG): In order to ensure due performance of warranty obligation, Vendor shall submit a Performance Bank Guarantee (PBG) equivalent to 3% of the order value. The PBG can be submitted by way of Bank Guarantee (as per format enclosed on Rs. 200/- stamp paper) from any Nationalized/Scheduled Bank in favor of Accounts Officer, IPRC. The Bank Guarantee should be valid for 60 days beyond the scheduled warranty period. In case the warranty period is extended due to any reasons, the validity of the Bank Guarantee shall also be extended suitably. PBG can be submitted by way of Fixed Deposit Receipt (lien marked to Accounts Officer, IPRC)/Demand Draft in favor of Accounts Officer, IPRC also. The PBG will be forfeited in case of non-performance of warranty obligation.</p> <p>In case of BG, confirmation for issued BG may be sent by issuing Bank/Branch to IFSC Code: SBIN0000880; SBI, Nagercoil Branch.</p> <p>In case a Purchase Order requires submission of Security Deposit and Performance Bank Guarantee, Vendor has the option to submit a combined Bank Guarantee for Security Deposit and Performance Bank Guarantee within 15 days from the date of receipt of Purchase Order and valid for 60 days beyond completion of the warranty period/all contractual obligation. In case PBG is submitted by way FDR (lien marked to Accounts Officer, IPRC or Demand Draft (in favor of Accounts Officer, IPRC).</p>	Yes / No / Explain	
16	Percentage of Local Content with documentary proof: (specify)	Yes / No / Explain	
17	If MSME, provide documentary proof: (specify)	Yes / No / Explain	

### C.3 Price Bid

Sl. No.	Item	Quantity	Unit Price	Currency	Total Price	Remark
1	Onsite Piping Work : Erection of equipments	1.00 KG		-		
2	Onsite Piping Work : pipe/ Tube bending	1.00 Inch Dia		-		
3	Onsite Piping Work : Stainless Steel butt welding and DPT - Sch 5, 5S, 10, 10S, 20, 30, 40, 40S, STD	1.00 Inch Dia		-		
4	Onsite Piping Work : Stainless Steel butt welding and DPT - Sch 80, 80S, XS, 100, 120	1.00 Inch Dia		-		
5	Onsite Piping Work : Stainless Steel butt welding and DPT - Sch 140, 160	1.00 Inch Dia		-		
6	Onsite Piping Work : Stainless Steel butt welding and DPT - Sch XXS	1.00 Inch Dia		-		
7	Onsite Piping Work : Stainless Steel socket welding and DPT - Sch 5, 5S, 10, 10S, 20, 30, 40, 40S, STD	1.00 Inch Dia		-		
8	Onsite Piping Work : Stainless Steel socket welding and DPT - Sch 80, 80S, XS, 100, 120	1.00 Inch Dia		-		

9	Onsite Piping Work : Stainless Steel socket welding and DPT - Sch 140, 160	1.00 Inch Dia		-		
10	Onsite Piping Work : Stainless Steel socket welding and DPT - Sch XXS	1.00 Inch Dia		-		
11	Onsite Piping Work : Stainless Steel mitre welding and DPT - Sch 5, 5S, 10, 10S, 20, 30, 40, 40S, STD	1.00 Inch Dia		-		
12	Onsite Piping Work : Stainless Steel mitre welding and DPT - Sch 80, 80S, XS, 100, 120	1.00 Inch Dia		-		
13	Onsite Piping Work : Stainless Steel mitre welding and DPT - Sch 140, 160	1.00 Inch Dia		-		
14	Onsite Piping Work : Stainless Steel mitre welding and DPT - Sch XXS	1.00 Inch Dia		-		
15	Onsite Piping Work : Duplex Stainless Steel butt welding and DPT - Sch 5, 5S, 10, 10S, 20, 30, 40, 40S, STD	1.00 Inch Dia		-		

16	Onsite Piping Work : Duplex Stainless Steel butt welding and DPT - Sch 80, 80S, XS, 100, 120	1.00 Inch Dia		-		
17	Onsite Piping Work : Duplex Stainless Steel butt welding and DPT - Sch 140, 160	1.00 Inch Dia		-		
18	Onsite Piping Work : Duplex Stainless Steel butt welding and DPT - Sch XXS	1.00 Inch Dia		-		
19	Onsite Piping Work : Duplex Stainless Steel socket welding and DPT - Sch 5, 5S, 10, 10S, 20, 30, 40, 40S, STD	1.00 Inch Dia		-		
20	Onsite Piping Work : Duplex Stainless Steel socket welding and DPT - Sch 80, 80S, XS, 100, 120	1.00 Inch Dia		-		
21	Onsite Piping Work : Duplex Stainless Steel socket welding and DPT - Sch 140, 160	1.00 Inch Dia		-		
22	Onsite Piping Work : Duplex Stainless Steel socket welding and DPT - Sch XXS	1.00 Inch Dia		-		

23	Onsite Piping Work : Duplex Stainless Steel mitre welding and DPT - Sch 5, 5S, 10, 10S, 20, 30, 40, 40S, STD	1.00 Inch Dia					
24	Onsite Piping Work : Duplex Stainless Steel mitre welding and DPT - Sch 80, 80S, XS, 100, 120	1.00 Inch Dia					
25	Onsite Piping Work : Duplex Stainless Steel mitre welding and DPT - Sch 140, 160	1.00 Inch Dia					
26	Onsite Piping Work : Duplex Stainless Steel mitre welding and DPT - Sch XXS	1.00 Inch Dia					
27	Onsite Piping Work : Carbon/ Mild Steel butt welding and DPT - Sch 5, 5S, 10, 10S, 20, 30, 40, 40S, STD	1.00 Inch Dia					
28	Onsite Piping Work : Carbon/ Mild Steel butt welding and DPT - Sch 80, 80S, XS, 100, 120	1.00 Inch Dia					
29	Onsite Piping Work : Carbon/ Mild Steel butt welding and DPT - Sch 140, 160	1.00 Inch Dia					



30	Onsite Piping Work : Carbon/ Mild Steel butt welding and DPT - Sch XXS	1.00 Inch Dia		-		
31	Onsite Piping Work : Carbon/ Mild Steel socket welding and DPT - Sch 5, 5S, 10, 10S, 20, 30, 40, 40S, STD	1.00 Inch Dia		-		
32	Onsite Piping Work : Carbon/ Mild Steel socket welding and DPT - Sch 80, 80S, XS, 100, 120	1.00 Inch Dia		-		
33	Onsite Piping Work : Carbon/ Mild Steel socket welding and DPT - Sch 140, 160	1.00 Inch Dia		-		
34	Onsite Piping Work : Carbon/ Mild Steel socket welding and DPT - Sch XXS	1.00 Inch Dia		-		
35	Onsite Piping Work : Carbon/ Mild Steel mitre welding and DPT - Sch 5, 5S, 10, 10S, 20, 30, 40, 40S, STD	1.00 Inch Dia		-		
36	Onsite Piping Work : Carbon/ Mild Steel mitre welding and DPT - Sch 80, 80S, XS, 100, 120	1.00 Inch Dia		-		

37	Onsite Piping Work : Carbon/ Mild Steel mitre welding and DPT - Sch 140, 160	1.00 Inch Dia		-		
38	Onsite Piping Work : Carbon/ Mild Steel miter welding and DPT - Sch XXS	1.00 Inch Dia		-		
39	Onsite Piping Work : Dye-Penetrant test	1.00 Inch Dia		-		
40	Onsite Piping Work : Mobilization for X-ray radiography from outside purchaser's premise	1.00 Lumsm		-		
41	Onsite Piping Work : Mobilization for X-ray radiography within purchaser's premise	1.00 Lumsm		-		
42	Onsite Piping Work : X-ray radiography - Sch 5, 5S, 10, 10S, 20, 30, 40, 40S, STD	1.00 Inch Dia		-		
43	Onsite Piping Work : X-ray radiography - Sch 80, 80S, XS, 100, 120	1.00 Inch Dia		-		
44	Onsite Piping Work : X-ray radiography - Sch 140, 160	1.00 Inch Dia		-		
45	Onsite Piping Work : X-ray radiography - Sch XXS	1.00 Inch Dia		-		

46	Onsite Piping Work : Mobilization for gamma ray radiography from outside purchaser's premise	1.00 Lumsm		-		
47	Onsite Piping Work : Mobilization for gamma ray radiography within purchaser's premise	1.00 Lumsm		-		
48	Onsite Piping Work : Gamma ray radiography - Sch 5, 5S, 10, 10S, 20, 30, 40, 40S, STD	1.00 Inch Dia		-		
49	Onsite Piping Work : Gamma ray radiography - Sch 80, 80S, XS, 100, 120	1.00 Inch Dia		-		
50	Onsite Piping Work : Gamma ray radiography - Sch 140, 160	1.00 Inch Dia		-		
51	Onsite Piping Work : Gamma ray radiography - Sch XXS	1.00 Inch Dia		-		
52	Onsite Piping Work : Hydrostatic Pressure test	1.00 Inch Meter		-		
53	Onsite Piping Work : Pneumatic Pressure test	1.00 Inch Meter		-		
54	Onsite Piping Work : Chemical cleaning	1.00 Inch Meter		-		
55	Onsite Piping Work : Installation of piping	1.00 Inch Meter		-		

56	Onsite Piping Work : Dismantling of piping assemblies	1.00 Inch Meter		-		
57	Onsite Piping Work : Retrieval of pre-welded fittings and flow components	1.00 Inch Dia		-		
58	Onsite Piping Work : PUF Insulation	1.00 Square Metre		-		
59	Onsite Piping Work : Dismantling of PUF insulation	1.00 Square Metre		-		
60	Onsite Piping Work : Surface painting with Epoxy Zinc Phosphate primer & Acrylic Aliphatic Poly Urethane Paint using brush	1.00 Square Metre		-		
61	Onsite Piping Work : Surface painting with Acrylic Aliphatic Poly Urethane Paint alone (without primer) using brush	1.00 Square Metre		-		
62	Onsite Piping Work : Surface painting with Alkyd Zinc Phosphate primer & Synthetic Enamel paint using brush	1.00 Square Metre		-		

63	Onsite Piping Work : Surface painting with Synthetic Enamel paint alone (without primer) using brush	1.00 Square Metre					
64	Onsite Piping Work : Surface Painting using brush (Paint free-issued by Purchaser)	1.00 Square Metre					
65	Onsite Piping Work : Surface painting with Epoxy Zinc Phosphate primer & Acrylic Aliphatic Poly Urethane Paint using spray gun	1.00 Square Metre					
66	Onsite Piping Work : Surface painting with Acrylic Aliphatic Poly Urethane Paint alone (without primer) using spray gun	1.00 Square Metre					
67	Onsite Piping Work : Surface painting with Alkyd Zinc Phosphate primer & Synthetic Enamel paint using spray gun	1.00 Square Metre					

68	Onsite Piping Work : Surface painting with Synthetic Enamel paint alone (without primer) using spray gun	1.00 Square Metre					
69	Onsite Piping Work : Surface Painting using spray gun (Paint free-issued by Purchaser)	1.00 Square Metre					
70	Onsite Piping Work : Lettering on flow components/ equipments - Letter height lesser than or equal to 40 mm	1.00 Nos.					
71	Onsite Piping Work : Lettering on flow components/ equipments - Letter height more than 40 mm and lesser than or equal to 100 mm	1.00 Nos.					
72	Onsite Piping Work : Lettering on flow components/ equipments - Letter height more than 100 mm and lesser than or equal to 150 mm	1.00 Nos.					

73	Onsite Piping Work : Fabrication of structures (structural materials free-issued by Department)	1.00 KG		-		
74	Onsite Piping Work : Fabrication of structures (structural materials delivered by vendor)	1.00 KG		-		
75	Onsite Piping Work : Dismantling of structures	1.00 KG		-		
76	Onsite Piping Work : Cutting of Mild Steel plate/ sheet by Gas torch - Thickness lesser than or equal to 10 mm	1.00 Ft		-		
77	Onsite Piping Work : Cutting of Mild Steel plate/ sheet by Gas torch - Thickness more than 10 mm and lesser than or equal to 20 mm	1.00 Ft		-		
78	Onsite Piping Work : Cutting of Mild Steel plate/ sheet by Gas torch - Thickness more than 20 mm and lesser than or equal to 40 mm	1.00 Ft		-		

79	Onsite Piping Work : Cutting of Mild Steel plate/ sheet by Gas torch - Thickness more than 40 mm and lesser than or equal to 60 mm	1.00 Ft				
80	Onsite Piping Work : Cutting of Mild Steel plate/ sheet by Gas torch - Thickness more than 60 mm and lesser than or equal to 80 mm	1.00 Ft				
81	Onsite Piping Work : Cutting of Stainless Steel plate/ sheet by Plasma machine - Thickness lesser than or equal to 10 mm	1.00 Ft				
82	Onsite Piping Work : Cutting of Stainless Steel plate/ sheet by Plasma machine - Thickness more than 10 mm and lesser than or equal to 20 mm	1.00 Ft				



83	Onsite Piping Work : Cutting of Stainless Steel plate/ sheet by Plasma machine - Thickness more than 20 mm and lesser than or equal to 40 mm	1.00 Ft		-		
84	Onsite Piping Work : Cutting of Stainless Steel plate/ sheet by grinding machine - Thickness lesser than or equal to 3 mm	1.00 Ft		-		
85	Onsite Piping Work : Cutting of Stainless Steel plate/ sheet by grinding machine - Thickness more than 3 mm and lesser than or equal to 6 mm	1.00 Ft		-		
86	Onsite Piping Work : Cutting of Stainless Steel plate/ sheet by grinding machine - Thickness more than 6 mm and lesser than or equal to 10 mm	1.00 Ft		-		

87	Onsite Piping Work : Construction of civil structure - Plain Cement Concrete (PCC)	1.00 Cu.m		-		
88	Onsite Piping Work : Construction of civil structure - Reinforced Cement Concrete (RCC)	1.00 Cu.m		-		
89	Onsite Piping Work : Construction of civil structure - Brick masonry	1.00 Cu.m		-		
90	Onsite Piping Work : Dismantling of civil structure - Plain Cement Concrete (PCC)	1.00 Cu.m		-		
91	Onsite Piping Work : Dismantling of civil structure - Reinforced Cement Concrete (RCC)	1.00 Cu.m		-		
92	Onsite Piping Work : Dismantling of civil structure - Brick masonry	1.00 Cu.m		-		
93	Onsite Piping Work : Laying SS tube using ferrule fittings - 12 mm OD	1.00 m		-		
94	Onsite Piping Work : Laying SS tube using ferrule fittings - 8 mm OD	1.00 m		-		

**Common charges (Applicable for all items)**

<b>P &amp; F</b>	
<b>Freight</b>	
<b>TPI charges (%)</b>	
<b>Testing charges (%)</b>	
<b>Other charges if any (%)</b>	
<b>3. Other Charges in Price (If any)</b>	
<b>1. Other Charges in Price (If any)</b>	