

**HINDUSTAN ORGANIC CHEMICALS LTD**  
**(A Government of India Enterprise)**  
**AMBALAMUGAL, COCHIN – 682 032**  
**Phone: (0484) 2720911, FAX No. (0484) 2720893**

**LIMITED E- TENDER NOTICE**

HOCL Invites e Bids under the two bid system for the following item.

Sl.No.	Description of item and Tender No.	Qty (Approx.)
1	Supply of <b>Pipe Fittings</b> as per attached RFQ No.600019886/2292/80017-M HOCL tender ref : MAT/PUR/80017-M/18 NIC TENDER ID-2018_HOCL_402409_1	As per attached RFQ

Tender documents may be downloaded from [www.hoclindia.com](http://www.hoclindia.com) or  
[www.eprocure.gov.in](http://www.eprocure.gov.in)

Approved vendors may please get registered with NIC e-procurement portal (URL: <https://eprocure.gov.in/eprocure/app>) to participate in the tender. Tenders submitted other than through online procedure specified will not be accepted. Please visit the above sites regularly for any addendum/ corrigendum/extension before submitting the offers.

Soumya N K  
Dy. Manager Materials

MAT/PUR/80017-M/18

30.10.2018

M/s.

Dear Sir,

Hindustan Organic Chemicals Ltd. is a Govt. of India Undertaking manufacturing Phenol, Acetone & Hydrogen Peroxide at its plant at Kochi, Kerala, India. HOCL invites Limited e tenders for supply **PIPE FITTINGS** as per attached RFQ on two bid basis. Detailed specification is given in the tender documents. Please note that the material shall be delivered at our site before 15<sup>th</sup> February 2019 . Offers with delivery period exceeding the above dates will not be considered.

Tender documents are uploaded in HOCL website [www.hoclindia.com](http://www.hoclindia.com) and [www.eprocure.gov.in](http://www.eprocure.gov.in)

The details of the tender are as shown in INDEX enclosed

You may submit your offer on two bid system online before the due date and time specified.

Closing Date of Tender : 14.11.2018 at 2.00 Pm

Opening Date of Tender : 15.11.2018 at 2.00 pm

Thanking you,

Yours faithfully,  
For Hindustan Organic Chemicals Ltd.

Soumya N K  
Dy. Manager Materials

INDEX - TENDER NOTICE FOR PIPE FITTINGS

1	General instructions to the bidders for e bid submission	Annexure-I
2	Instructions to Bidders for online Bid Submission	Annexure II
3	Eligibility criteria for participating in the bid	Annexure-III
4	General Terms and conditions of the tender	Annexure-IV
5	Commercial Terms format	Annexure-V

## **ANNEXURE- I**

### **GENERAL INSTRUCTIONS TO BIDDERS FOR E BID SUBMISSION**

Please submit your e-bids under the two bid system conforming to the specifications and the terms and conditions attached as per instructions given below:-

1. HOCL has entered into an Agreement with nic for e procurement through their portal [www.eprocure.gov.in](http://www.eprocure.gov.in). Quotations shall be submitted online on or before the due date and time of closing the tender. The Techno commercial bid containing the Technical specification of the Products and Proof of satisfactorily meeting the Eligibility Criteria and all commercial terms should be uploaded as per instructions given in Annexure. The Price bid should be submitted in the uploaded BOQ .
2. Techno commercial bid shall be opened electronically on specified date and time given in NIT. Bidders can witness the electronic opening of bid .The date and time of opening of the price bids will be intimated to the technically qualified bidders after evaluation of the Technical bids via email alerts through the valid email confirmed.
3. The bid shall contain as integral part of the same the following compliance statement: "We have read, understood and accepted the terms and conditions of purchase and related documents forming part of this enquiry and agree to supply the goods in compliance with the same."
4. The bids shall be neatly typed in English language with pages consecutively numbered and shall be signed on all pages by authorized persons. Bids shall be free from over writing and all corrections shall be duly attested by the bidder.
5. Bidders should carefully study the documents of this enquiry. All terms and conditions set out there in the enquiry shall be binding on the bidders unless conflicting with any terms and conditions expressly stated by HOCL while accepting any bid, in the event of such acceptance.
6. HOCL reserves the right, without assigning any reason whatsoever, to accept or reject any or all bids in part or in full or cancel this enquiry.
7. HOCL reserves the right to extend without giving any reason(s) the closing date/time of the enquiry.
8. Bids shall be valid for a minimum of 60 days from the due date for receipt and opening of the bids.
9. Specification of the Product : Specifications/catalogues/drawing of the product of shall be furnished along with the Technical Bid.
10. Purchase Preference to Central Public Sector Enterprises of Govt. Of India and MSMEs shall be as per Govt. of India policy in vogue.

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**Instructions for Online Submission**

The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

information useful for submitting online bids on the CPP Portal may be obtained at: <https://eprocure.gov.in/eprocure/app>.

**REGISTRATION**

1) Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: <https://eprocure.gov.in/eprocure/app>) by clicking on the link "**Online bidder Enrollment**" on the CPP Portal which is free of charge.

2) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.

3) Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.

4) Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / nCode / eMudhra etc.), with their profile.

5) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC's to others which may lead to misuse.

6) Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / e-Token.

**SEARCHING FOR TENDER DOCUMENTS**

1) There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, Organization Name, Location, Date, Value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as Organization Name, Form of Contract, Location, Date, Other keywords etc. to search for a tender published on the CPP Portal.

2) Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective 'My Tenders' folder. This would enable the CPP Portal to intimate

the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.

3) The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

### **PREPARATION OF BIDS**

1) Bidder should take into account any corrigendum published on the tender document before submitting their bids.

2) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.

3) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF/JPG formats. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.

4) To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use "My Space" or "Other Important Documents" area available to them to upload such documents. These documents may be directly submitted from the "My Space" area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

**Note:** *My Documents space is only a repository given to the Bidders to ease the uploading process. If Bidder has uploaded his Documents in My Documents space, this does not automatically ensure these Documents being part of Technical Bid.*

### **SUBMISSION OF BIDS**

1) Bidder should log into the site well in advance for bid submission so that they can upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.

2) The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.

3) Bidder has to select the payment option as "offline" to pay the tender fee / EMD as applicable and enter details of the instrument.

4) Bidder should prepare the EMD as per the instructions specified in the tender document. The original should be posted/couriered/given in person to the concerned official, latest by the last date of bid submission or as specified in the tender documents. The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the uploaded bid will be rejected.

5) Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BoQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BoQ file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected.

6) The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.

7) All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid opener's public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.

7) The uploaded tender documents become readable only after the tender opening by the authorized bid openers.

8) Upon the successful and timely submission of bids (i.e. after Clicking "Freeze Bid Submission" in the portal), the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.

9) The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

### **ASSISTANCE TO BIDDERS**

1) Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.

2) Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk.

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**Eligibility criteria for participating in the bid.**

**Offers of bidders who satisfy the following Eligibility Criteria only will be considered .**

1 Material shall reach at HOCL before 15.02.2019. Offers with longer delivery period will not be considered. HOCL will have to start the pre-fabrication work and hence vendors may please quote their Minimum delivery period

2. Vendor shall confirm submission of Material test certificate ,Guarantee Certificate and IBR certificate in original for IBR items alongwith supply of material.

3. Vendor shall submit the RFQ specification provided by HOCL duly signed and stamped with the tender as a token of acceptance. Any deviation may please be mentioned in the deviation statement. No deviation will be allowed after placement of order.

4. Vendor shall submit Security deposit within the stipulated time after placement of order.

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**GENERAL CONDITIONS OF TENDER MAT/PUR/80017-M/18**

1.VALIDITY OF OFFER : Offer shall be valid for a minimum period of 60 days from the last date of submission stipulated for the tender.

2.SUBMISSION OF BIDS : Bids shall be uploaded on two bid system as per the instructions given in Annexure I.

3.QUANTITY : Quantity given in the tender is based an estimate on maintenance work and actual quantity on order may vary slightly on either side.

4. Security Deposit: Successful bidder will have to pay a Security deposit of 5% of the order value towards satisfactory performance of the contract. SD has to be submitted by way of Bank Guarantee from a Scheduled bank within 21 days of placement of Order. SD will be forfeited in the event of any breach of contract by the supplier. SD will be refunded to the contractor within 60 days of completion of contract. PSU s are exempted from payment of Security Deposit.

5. RIGHT TO REJECT A BID : HOCL reserves the right to reject any bid due to reasons such as (a) Vendor not following above bidding procedures (b) Vendor not being technically acceptable to HOCL (c) Vendor not agreeing with the general conditions of the tender. (e) Not enclosing any particular documents asked for (f) Any other valid reason.

6. PRICE:Vendors to quote the prices on FOR destination basis.

7.PAYMENT TERMS: Payment shall be released by HOCL within 30 days of receipt and acceptance of the material at HOCL site

8. INSURANCE : HOCL shall arrange the transit insurance for the materials.. However, the vendor shall promptly inform HOCL regarding despatches for arranging insurance.

9.SUPPLY SCHEDULE: Material shall be delivered at our site by the delivery date indicated in the Purchase Order .

10.RIGHT TO PROCURE FROM ALTERNATIVE SOURCE : In the event of non-supply by the vendor on whom purchase order is placed, HOCL reserves the right to procure material of same quality from an alternative source at the cost and risk of the Vendor.

11.OPENING OF BIDS : Techno commercial bids will be opened electronically **at 2.00 pm on 15.11.2018**, after evaluation of the techno commercial bids, will subsequently inform all those technically acceptable vendors regarding the date and time of opening of the price bids.

12. PURCHASE/PRICE PREFERANCE: Purchase /Price Preference or any other concessions applicable for SSI Units /PSUs will be as per latest Government Of India Directives. For availing this benefit, the bidder should make their claim in the Technical Bids itself and enclose necessary documentary evidence to prove their eligibility.

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**COMMERCIAL TERM FORMAT**

*(To be printed on your letter head& uploaded)*

(Please fill up the details mentioned below in your letter head and upload alongwith your bid)

Name and Address of Organization :

Phone & Fax No :

GSTIN :

e-mail id for correspondence :

Contact Person Name and Mobile No:

Payment Term offered.

Terms of delivery offered :

Freight Charges if any :

Validity of offer :

Delivery period offered:

Taxes Applicable :

Submission of security deposit.

Certificates provided alongwith supply.

Deviation in specification if any

Signature and Stamp

टेलीफोन (एरणाकुलम) 2720911- 14, 2720844 - 45, 2721040 - 43.

फॉक्स : (0484) 2720893.

ईमेल : hoclchin@md2.vsnl.net.in वेब : www.hoclkochi.com

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e-mail : hoclchin@md2.vsnl.net.in Web : www.hoclkochi.com



हिन्दुस्तान ऑर्गेनिक केमिकल्स लिमिटेड

(भारत सरकार का उद्यम)

**HINDUSTAN ORGANIC CHEMICALS LIMITED**

(A Govt. of India Enterprise)

अंबलमुगल : Ambalamugal - 682 302

एरणाकुलम जिला : Ernakulam Dist. केरल : Kerala भारत : India



आई एस ओ 9001-2008 & आई एस ओ 14001 यूनिट

AN ISO 9001-2008 & ISO 14001 UNIT

**REQUEST FOR QUOTATION**

RFQ NO. 6000019886/2292/80017-M

RFQ DATE : 30.10.2018

Due Date/Time : 14.11.2018 / 14:00

Open Date/Time: 15.11.2018 / 14:00

Dear Sirs,

We shall be grateful to receive your quotation in duplicate for the supply of the under mentioned articles subject to our standard terms and conditions attached herewith. Quotations indicating price, terms of delivery, detailed specification, relevant drawings, pamphlet and literature wherever applicable shall reach us on or before the due date

SL. No.	Material Description	Unit	Qty.
1	57142300 SS SEAMLESS LONG RADIUS 90 DEG ELBOW CONFIRMS TO ASTM A182 F 316 WITH SOCKET WELD ENDS TO B16.11 ELBOW 1X3000# SS316 SW[25X3000]90 DEGREE	Numbers	50
2	57143250 SS SEAMLESS LONG RADIUS 90 DEG ELBOW CONFIRMS TO ASTM A182 F 316 WITH SOCKET WELD ENDS TO B16.11 ELBOW 11/2X3000# SS316 SW[40X3000]	Numbers	25
3	57143791 SS SEAMLESS LONG RADIUS 90 DEG ELBOW CONFIRMS TO ASTM A403 WP 316 WITH BUTT WELD ENDS TO B16.9 ELBOW 2XSCH40 BW SS316 90 DEGREE[50XSCH40]	Numbers	5
4	57143780 SS SEAMLESS LONG RADIUS 90 DEG ELBOW CONFIRMS TO ASTM A403 WP 316 WITH BUTT WELD ENDS TO B16.9 ELBOW 50XSCH80 BW SS316 90 DEGREE[2XSCH80]	Numbers	2
5	57144655 SS SEAMLESS LONG RADIUS 90 DEG ELBOW CONFIRMS TO ASTM A403 WP 316 WITH BUTT WELD ENDS TO B16.9 ELBOW 90DEGREE 80XSCH40 SS316 [3XSCH40]	Numbers	5
6	57143789 SS SEAMLESS LONG RADIUS 90 DEG ELBOW CONFIRMS TO ASTM A403 WP 316 WITH BUTT WELD ENDS TO B16.9 ELBOW 3XSCH80 SS BW 90DEG WP316[80XSCH80]	Numbers	2
7	57145052 SS SEAMLESS LONG RADIUS 90 DEG ELBOW CONFIRMS TO ASTM A403 WP 316 WITH BUTT WELD ENDS TO B16.9	Numbers	10

SL. No.	Material Description	Unit	Qty.
	ELBOW 100XSCH40 BW 90DEG ASTMA403 SS316[4XSCH40		
8	57143504 SS SEAMLESS LONG RADIUS 90 DEG ELBOW CONFIRMS TO ASTM A403 WP 316 WITH BUTT WELD ENDS TO B16.9 ELBOW 4XSCH80 SS316 BW 90DEG[100XSCH80]	Numbers	2
9	57146358 SS SEAMLESS LONG RADIUS 90 DEG ELBOW CONFIRMS TO ASTM A403 WP 316 WITH BUTT WELD ENDS TO B16.9 ELBOW 150XSCH40 90DEG A182 F316 BW[6XSCH40]	Numbers	5
10	57159200 SS SEAMLESS LONG RADIUS 90 DEG ELBOW CONFIRMS TO ASTM A403 WP 316L WITH SOCKET WELD ENDS TO B16.11 ELBOW 90DEG 1/2"X3000# SW SS316L(15X3000) LONG RADIUS SEAMLESS	Numbers	20
11	57159211 SS SEAMLESS LONG RADIUS 90 DEG ELBOW CONFIRMS TO ASTM A403 WP 316L WITH SOCKET WELD ENDS TO B16.11 ELBOW 90 DEGREE 3/4"X3000#SW SS316L	Numbers	20
12	57159222 SS SEAMLESS LONG RADIUS 90 DEG ELBOW CONFIRMS TO ASTM A403 WP 316L WITH SOCKET WELD ENDS TO B16.11 ELBOW 90DEG 1" X3000# SW SS316L(25X3000) LONG RADIUS SEAMLESS	Numbers	20
13	57159221 SS SEAMLESS LONG RADIUS 90 DEG ELBOW CONFIRMS TO ASTM A403 WP 316L WITH SOCKET WELD ENDS TO B16.11 ELBOW 90 DEGREE 1 1/2"X3000#SW SS316L[40X3000]	Numbers	20
14	57452434 SS SEAMLESS LONG RADIUS 90 DEG ELBOW CONFIRMS TO ASTM A403 WP 316 WITH SOCKET WELD ENDS TO B16.11 EQUAL TEE 3/4X3000[20X3000] SS316	Numbers	15
15	57454048 SS SEAMLESS EQUAL TEE CONFIRMS TO ASTM A403 WP 316 WITH BUTT WELD ENDS TO B16.9 EQUALTEE 80XSCH40 SS 316 EQUAL BW[3XSCH40]	Numbers	5
16	57454486 SS SEAMLESS EQUAL TEE CONFIRMS TO ASTM A403 WP 316 WITH BUTT WELD ENDS TO B16.9 EQUAL TEE SS316 3XSCH80[80XSCH80]	Numbers	5
17	57454530 SS SEAMLESS EQUAL TEE CONFIRMS TO ASTM A403 WP 316 WITH BUTT WELD ENDS TO B16.9 EQUAL TEE100XSCH40 SS 316 BW[4XSCH40]	Numbers	5
18	57456033 SS SEAMLESS EQUAL TEE CONFIRMS TO ASTM A403 WP 316 WITH BUTT WELD ENDS TO B16.9 EQUALTEE 150XSCH40 SS 316 EQUAL BW[6X150]	Numbers	2
19	57456034 SS SEAMLESS EQUAL TEE CONFIRMS TO ASTM A403 WP 316 WITH BUTT WELD ENDS TO B16.9 EQUALTEE 6XSCH80 SS EQUAL A403 WP316[150XSCH80]	Numbers	2
20	57715270 SS SEAMLESS CON REDUCER CONFIRMS TO ASTM A182 F316 WITH SOCKET WELD ENDS TO B16.11 REDUCER INSERT SS316 25X15X3000#[1X1/2X3000#]	Numbers	10
21	57706438	Numbers	50

SL. No.	Material Description	Unit	Qty.
	SS SEAMLESS FULL COUPLING CONFIRMS TO ASTM A182 F316 WITH SOCKET WELD ENDS TO B16.11 COUPLING FULL 25X3000# SW SS316[1X3000#]		
22	57706621 SS SEAMLESS FULL COUPLING CONFIRMS TO ASTM A182 F316 WITH SOCKET WELD ENDS TO B16.11 COUPLING FULL40X3000#SW[11/2X3000]SS	Numbers	50
23	57121606 CS SEAMLESS LONG RADIUS 90DEG ELBOW CONFIRMS TO ASTM A105 Gr 2 WITH SOCKET WELD ENDS TO B 16.11 ELBOW 3/4X3000# SW CS 90DEG[20X3000]	Numbers	50
24	57122106 CS SEAMLESS LONG RADIUS 90DEG ELBOW CONFIRMS TO ASTM A105 Gr 2 WITH SOCKET WELD ENDS TO B 16.11 ELBOW 25X3000# CS 90DEG SW[1X3000]SW	Numbers	50
25	57123202 CS SEAMLESS LONG RADIUS 90DEG ELBOW CONFIRMS TO ASTM A105 Gr 2 WITH SOCKET WELD ENDS TO B 16.11 ELBOW 40X3000# CS SW 90DEG A105[11/2X3000]	Numbers	75
26	57123524 CS SEAMLESS LONG RADIUS 90DEG ELBOW CONFIRMS TO ASTM A234 WPB WITH BUTT WELD ENDS TO B 16.9 ELBOW 2XSCH40 CS BW 90DEG[50XSCH40]	Numbers	25
27	57123550 CS SEAMLESS LONG RADIUS 90DEG ELBOW CONFIRMS TO ASTM A234 WPB WITH BUTT WELD ENDS TO B 16.9 ELBOW 2XSCH80 BW [50XSCH80]	Numbers	25
28	57124504 CS SEAMLESS LONG RADIUS 90DEG ELBOW CONFIRMS TO ASTM A234 WPB WITH BUTT WELD ENDS TO B 16.9 ELBOW 80XSCH40 CS BW 90DEG[3XSCH40]	Numbers	25
29	57124450 CS SEAMLESS LONG RADIUS 90DEG ELBOW CONFIRMS TO ASTM A234 WPB WITH BUTT WELD ENDS TO B 16.9 ELBOW 3XSCH80 BW CS[80XSCH80]	Numbers	25
30	57124554 CS SEAMLESS LONG RADIUS 90DEG ELBOW CONFIRMS TO ASTM A234 WPB WITH BUTT WELD ENDS TO B 16.9 C.S.SEAMLESS LONG RADIUS 90DEGELBOW4"XSCH40(100XSCH40]	Numbers	65
31	57124954 CS SEAMLESS LONG RADIUS 90DEG ELBOW CONFIRMS TO ASTM A234 WPB WITH BUTT WELD ENDS TO B 16.9 ELBOW 4XSCH80 BW 90DEG CS[100XSCH80]	Numbers	25
32	57126008 CS SEAMLESS LONG RADIUS 90DEG ELBOW CONFIRMS TO ASTM A234 WPB WITH BUTT WELD ENDS TO B 16.9 ELBOW 150XSCH40 CS 90DEG BW[6XSCH40]	Numbers	25
33	57126012 CS SEAMLESS LONG RADIUS 90DEG ELBOW CONFIRMS TO ASTM A234 WPB WITH BUTT WELD ENDS TO B 16.9 ELBOW 6XSCH80 CS BW 90DEG[150XSCH80]	Numbers	20
34	57126550 CS SEAMLESS LONG RADIUS 90DEG ELBOW CONFIRMS TO ASTM A234 WPB WITH BUTT WELD ENDS TO B 16.9 ELBOW 8XSCH40 BW CS 90DEG[200XSCH40]	Numbers	10

SL. No.	Material Description	Unit	Qty.
35	57123251 CS SEAMLESS LONG RADIUS 90DEG ELBOW CONFIRMS TO ASTM 105 Gr 2 WITH SOCKET WELD ENDS TO B 16.11-----IBR GRADE ELBOW 11/2X3000# IBR CS SW SA105 90DEG[40X3000]	Numbers	50
36	57123548 CS SEAMLESS LONG RADIUS 90DEG ELBOW CONFIRMS TO ASTM 105 Gr 2 WITH SOCKET WELD ENDS TO B 16.11-----IBR GRADE ELBOW 50XSCH40 CS BW 90DEG[2XSCH40 IBR	Numbers	10
37	57123556 CS SEAMLESS LONG RADIUS 90DEG ELBOW CONFIRMS TO ASTM A234 WPB WITH BUTT WELD ENDS TO B 16.9-----IBR GRADE ELBOW 50XSCH80 IBR 90DEG ASTM A234 BW[2XSCH80]	Numbers	10
38	57124553 CS SEAMLESS LONG RADIUS 90DEG ELBOW CONFIRMS TO ASTM A234 WPB WITH BUTT WELD ENDS TO B 16.9-----IBR GRADE ELBOW 3XSCH40 IBR90DEG[80XSCH40] BW CS	Numbers	10
39	57125030 CS SEAMLESS LONG RADIUS 90DEG ELBOW CONFIRMS TO ASTM A234 WPB WITH BUTT WELD ENDS TO B 16.9-----IBR GRADE ELBOW 100XSH40 CS 90 DEGREE IBR BW[4XSCH40]	Numbers	10
40	57124966 CS SEAMLESS LONG RADIUS 90DEG ELBOW CONFIRMS TO ASTM A234 WPB WITH BUTT WELD ENDS TO B 16.9-----IBR GRADE ELBOW 4XSCH80 IBR 90DEG[100XSCH80]	Numbers	10
41	57126021 CS SEAMLESS LONG RADIUS 90DEG ELBOW CONFIRMS TO ASTM A234 WPB WITH BUTT WELD ENDS TO B 16.9-----IBR GRADE ELBOW 6XSCH40 IBR CS 90DEG[150XSCH40]	Numbers	10
42	57126031 CS SEAMLESS LONG RADIUS 90DEG ELBOW CONFIRMS TO ASTM A234 WPB WITH BUTT WELD ENDS TO B 16.9-----IBR GRADE ELBOW 6XSCH80 IBR 90DEG[150XSCH80]	Numbers	5
43	57433501 CS SEAMLESS EQUAL TEE CONFIRMS TO ASTM A234 WPB WITH BUTT WELD ENDS TO B 16.9-----IBR GRADE EQUAL TEE 2"XSCH40 CS (A234) BW[50XSCH40]	Numbers	5
44	57433550 CS SEAMLESS EQUAL TEE CONFIRMS TO ASTM A234 WPB WITH BUTT WELD ENDS TO B 16.9-----IBR GRADE EQUAL TEE 2"XSCH80 CS (A234) BW[50X80SCH]	Numbers	5
45	57433033 CS SEAMLESS EQUAL TEE CONFIRMS TO ASTM A105 WITH SOCKET WELD ENDS TO B 16.11-----IBR GRADE EQUAL TEE 40MMX3000# CS IBR SW[11/2X3000]	Numbers	10
46	57435042 CS SEAMLESS EQUAL TEE CONFIRMS TO ASTM A234 WPB WITH BUTT WELD ENDS TO B 16.9-----IBR GRADE EQUAL TEE 100XSCH40 CS IBR BW[4XSCH40]	Numbers	5
47	57704364 CS SEAMLESS FULL COUPLING CONFIRMS TO ASTM A105 WITH SOCKET WELD ENDS TO B 16.11----- COUPLING FULL CS 1/2X3000#S/W[15X3000]	Numbers	100
48	57704466 CS SEAMLESS FULL COUPLING CONFIRMS TO ASTM A105 GR 2	Numbers	100

SL. No.	Material Description	Unit	Qty.
	WITH SOCKET WELD ENDS TO B 16.11----- COUPLING FULLCS 3/4X3000# SW A105[20X3000]		
49	57704557 CS SEAMLESS FULL COUPLING CONFIRMS TO ASTM A105 WITH SOCKET WELD ENDS TO B 16.11----- COUPLING FULL 1X3000# CSSW[25X3000#]	Numbers	100
50	57704764 CS SEAMLESS FULL COUPLING CONFIRMS TO ASTM A105 WITH SOCKET WELD ENDS TO B 16.11----- COUPLING FULLCS 11/2X3000# SW[40X3000#]	Numbers	100
51	57704776 CS SEAMLESS HALF COUPLING CONFIRMS TO ASTM A105 WITH SOCKET WELD ENDS TO B 16.11----- COUPLING HALF 11/2X3000#CS[40X3000]	Numbers	25
52	57704491 CS SEAMLESS FULL COUPLING CONFIRMS TO ASTM A105 WITH SOCKET WELD ENDS TO B 16.11-----IBR GRADE COUPLING FULL 20X3000 CS IBR 3000# SW [3/4X3000]	Numbers	100
53	57704594 CS SEAMLESS FULL COUPLING CONFIRMS TO ASTM A105 WITH SOCKET WELD ENDS TO B 16.11-----IBR GRADE COUPLING FULL 25X3000 CS IBR SW[1X3000]	Numbers	50
54	57704791 CS SEAMLESS FULL COUPLING CONFIRMS TO ASTM A105 WITH SOCKET WELD ENDS TO B 16.11-----IBR GRADE COUPLING FULL 11/2X3000 IBR[40X3000]	Numbers	50
55	57704442 CS SEAMLESS HALF COUPLING CONFIRMS TO ASTM A105 GR 2 WITH SOCKET WELD ENDS TO B 16.11-----IBR GRADE COUPLING HALF 20X3000 CS IBR [3/4X3000]	Numbers	30
56	57331511 CS SEAMLESS CONCENTRIC REDUCER CONFIRMS TO ASTM A105 WITH SOCKET WELD ENDS TO B 16.11-----IBR GRADE REDUCER 20X15 CS CONCENTRIC SW IBR 3/4X1/2	Numbers	50
57	57333040 CS SEAMLESS CONCENTRIC REDUCER CONFIRMS TO ASTM A105 WITH SOCKET WELD ENDS TO B 16.11-----IBR GRADE REDUCER 40X25 CS CONCENTRIC IBR 3000# SW[11/2X1X3000]	Numbers	50
58	57122155 CS SEAMLESS LONG RADIUS 90DEG ELBOW CONFIRMS TO ASTM 105 WITH SOCKET WELD ENDS TO B 16.11-----IBR GRADE ELBOW 1X3000# IBR 90DEG SW A105[25X3000]	Numbers	50
59	57121151 CS SEAMLESS LONG RADIUS 90DEG ELBOW CONFIRMS TO ASTM 105 WITH SOCKET WELD ENDS TO B 16.11-----IBR GRADE ELBOW 15X3000# CS IBR 90DEG[1/2X3000]SW	Numbers	120
60	57431255 CS SEAMLESS EQUAL TEE CONFIRMS TO ASTM 105 WITH SOCKET WELD ENDS TO B 16.11-----IBR GRADE 15MMX3000# EQUAL TEE CS IBR SW[1/2X3000]	Numbers	10

NOTE: MATERIAL TEST CERTIFICATE, GUARANTEE CERTIFICATE & IBR CERTIFICATE  
IN ORIGINAL FOR IBR ITEMS TO BE PROVIDED ALONG WITH SUPPLY.

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