# कलकत्ता पत्तन न्यास

# **KOLKATA PORT TRUST**

# हल्दिया गोदी परिसर HALDIA DOCK COMPLEX MM DIVISION

BIDDING DOCUMENTS (e-Tender)

[Tender No.: HDC/MM/OT-19/42/34]

**FOR** 

SUPPLY AND DELIVERY OF "VARIOUS TYPES OF PLUMBING MATERIALS ON ANNUAL CONTRACT BASIS" (AS PER BILL OF QUANTITIES) TO HALDIA DOCK COMPLEX.



Nov. - 2018

# **CONTENTS**

# [Tender No. : HDC/MM/OT-19/42/34]

CL. NO	SUBJECT	PAGE MKD
1	SCHEDULE OF TENDER (SOT)	3-6
2	SHORT TENDER NOTICE	7
3	NOTICE INVITING TENDER (NIT)	8-9
4	PROCEDURE OF PAYMENT OF EARNEST MONEY AND BID DOCUMENT FEE THROUGH AXIS BANK GATEWAY	10
5	IMPORTANT INSTRUCTIONS FOR E-PROCUREMENT	11-14
6	INSTRUCTION TO BIDDER	15-18
7	COMMERCIAL TERMS AND CONDITIONS	19-23
8	PREAMBLE TO THE BILL OF QUANTITIES	24
9	BILL OF QUANTITIES	25-32
10	ANNEXURE - I	33
11	ANNEXURE - II	34-35
12	ANNEXURE - III	36-43
13	ANNEXURE - IV	44
14	ANNEXURE - V	45-52
15	ANNEXURE - VI	53

#### **SCHEDULE OF TENDER (SOT)**

E-Tender under single cover two part system (Techno-Commercial Bid and Price Bid) are invited from reliable, bonafide & experienced Manufacturers / Authorized dealers/ authorised stockists/ Authorized Dstributors/General Order suppliers for supply and delivery of various types of Plumbing materials on annual contract basis as per Bill of Quantities to Haldia Dock Complex. Bid Document may be seen from MSTC's website. Corrigenda or clarifications, if any, shall be hosted on the above mentioned website only.

Bidders will have to participate in bidding process through website www.mstcecommerce.com only.

# SCHEDULE OF TENDER (SOT)

(Tender No. HDC/MM/OT-19/42/34)

1.1	Work Title	::	Supply and Delivery of "Plumbing materials on annual contract basis" (as per Bill Of Quantities) to Haldia Dock Complex.
1.2	E-Tender No.	::	KoPT/Haldia Dock Complex/MM Div/12/18-19/ET/322
1.3	Tender Authority	::	Senior Deputy Manager (MM), Haldia Dock Complex; Kolkata Port Trust.  Address: Office of the M.M. Division, Jawahar Tower (2 <sup>nd</sup> floor); P.O.:- Haldia Township; Dist.:- Purba Medinipur; PIN:-721607 West Bengal, India.  Telephone no.: + 91-3224-263266 Mobile no.: +91-9434063649
			Fax no.: +91-3224 -263255  E. mail: spb.hdc@nic.in
1.4	Mode of Tender	::	e-Procurement System
			Online (Part I: Pre-qualification & Techno-commercial Bid and Part II: Price Bid) through <a href="http://www.mstcecommerce.com/">http://www.mstcecommerce.com/</a> of MSTC Ltd.
			The intending bidders can only submit their offer electronically, through the above-mentioned e-tendering portal of MSTC Ltd.
			No physical tender is acceptable by Haldia Dock Complex, Kolkata Port Trust.
1.5	Date and time from which bidding documents are available for downloading by the intending bidders.	::	10.12.2018, from 10:00 Hrs. (IST).

1.6	Pre-Bid Meeting starting date & Time.	::	N.A.
1.7	Pre-Bid Meeting closing date & Time.	::	N.A.
1.8	Venue of Pre-Bid Meeting	::	N.A.
1.9	9 i) Transaction Fee		The intending bidders should deposit Rs.1,457.00 (Rupees one thousand four hundred fifty seven only) [Including GST @18%] as "Transaction Fee" (non-refundable), in favour of MSTC LIMITED by NEFT or Online Payment, as per the procedure given in the instant bidding documents. The intending bidders will be activated for bid submission only after receipt of aforesaid "Transaction Fee" by MSTC LIMITED.
			The intending bidders are advised to remit the "Transaction Fee" well in advance before the closing time of the event, so as to give themselves sufficient time to submit the bid.
	ii) Bid Document Fee (Cost of bidding document)	::	The intending bidders should deposit Rs. 590.00 (Rupees five hundred ninety only) [including GST @ 18%], as Bid document Fee (non-refundable), to Haldia Dock Complex, along with their offer. In case the said Bid Document Fee is not deposited by the bidder, the respective bid will be summarily rejected, treating the same as non-responsive.  The bidders are advised to deposit Bid Document Fee using the Axis Bank Payment Gateway only. No other method of payment of Bid Document Fee shall be accepted.
			The bidders would be able to access the payment gateway from the Vendor login page of the MSTC ecommerce site (www.mstcecommerce.com → e-Procurement → PSU/Govt. depts. → Kolkata Port Trust) under the icon "HDC EMD/Tender Fee Payment". Clicking this icon will take the bidders to the Axis Bank Gateway. Alternatively, the bidders can also access the Gateway from Axis Bank Easy Pay website (https://easypay.axisbank.co.in → Others → Haldia Dock Complex).
			For making payment of Bid Document Fee through the Gateway, the bidders will be required to provide the User ID (the ID used by the bidders for submitting e-tender of HDC) and Bid ID (the e-Tender number of the tender for which the payment is to be made).
			Details of Bid Document Fee remitted must be entered by the participating bidder in the space provided in the e-Tender, as indicated hereunder:

		a) Name of remitting bidder: b)E-Tender No.: KoPT/Haldia Dock Complex/MM Div/12/ 18-19/ET/322 c) Amount remitted: d) Remittance Bank Details: e) URN No.: f) Date of remittance:
		In case the aforesaid Bid Document fee [non-refundable] is not deposited by the Bidder, the respective bid will be summarily rejected, treating the same as non-responsive.
		* NOTE: The bidders, who are not registered with MSTC, are advised to get themselves registered with MSTC, at least 72 (seventy-two) hours prior to making payment of Bid Document Fee.
 Earnest Money posit (EMD)	::	The intending bidders must deposit Rs. 10,000.00 (Rupees ten thousand only), as Earnest Money, to Haldia Dock Complex, along with their offer. In case the said Earnest Money is not deposited by the bidder, the respective bid will be summarily rejected, treating the same as non-responsive.
		The bidders are advised to deposit Earnest Money using the Axis Bank Payment Gateway only. No other method of payment of Earnest Money shall be accepted.
		The bidders would be able to access the payment gateway from the Vendor login page of the MSTC ecommerce site (www.mstcecommerce.com $\rightarrow$ e-Procurement $\rightarrow$ PSU/Govt. depts. $\rightarrow$ Kolkata Port Trust) under the icon "HDC EMD/Tender Fee Payment". Clicking this icon will take the bidders to the Axis Bank
		Gateway. Alternatively, the bidders can also access the Gateway from Axis Bank Easy Pay website ( <a href="https://easypay.axisbank.co.in">https://easypay.axisbank.co.in</a> → Others → Haldia Dock Complex).
		For making payment of Earnest Money through the Gateway, the bidders will be required to provide the User ID (the ID used by the bidders for submitting e-tender of HDC) and Bid ID (the e-Tender number of the tender for which the payment is to be made).
		Details of Earnest Money remitted must be entered by the participating bidder in the space provided in the e-Tender, as indicated hereunder:
		<ul><li>a) Name of remitting bidder:</li><li>b) E-Tender No.: KoPT/Haldia Dock Complex/MM Div/12/18- 19/ET/322</li></ul>
		c) Amount remitted:
		d) Remittance Bank Details:
		e) URN No.:
		f) Date of remittance:

		::	In case the aforesaid Earnest Money is not deposited by the Bidder, the respective bid will be summarily rejected, treating the same as non-responsive.
2.0	Last date and time for deposition of Earnest Money and Bid Document Fee to the designated bank account of Kolkata Port Trust, Haldia Dock Complex.	::	O4.01.2019, up to 11:00 AM (IST).  (The intending bidder has to ensure submission of UTR No. in respect of EMD & Bid Document Fee during submission of the bid on line).
2.1	Last date for deposition of Transaction Fee through RTGS / NEFT in favour of MSTC Limited.	::	Three (3) working days before the closing date of online bidding for the e-tender.
2.2	i) Starting date & time of e- Tender for submission of on line Pre-qualification & Techno- commercial Bid and price Bid at www.mstcecommerce.com/ eprochome/	::	11.12.2018 from 11:00 AM (IST)
	ii) Closing date & time of e- Tender for submission of on line Pre-qualification & Techno- commercial Bid and price Bid at www.mstcecommerce.com/ eprochome/	::	04.01.2019 up to 3.00 PM
	iii) Date & time of opening of Tender	::	<b>04.01.2019</b> , <b>3.30 PM</b> (IST) onwards.

# **SHORT TENDER NOTICE**

E-Tender under single cover two part system (Techno-Commercial Bid and Price Bid) are invited as per Prequalification criteria stipulated in Tender Document for the following work at Haldia Dock Complex.

Name of work	::	Supply and delivery of "Various types of Plumbing materials on annual contract basis" (as per Bill Of Quantities) to Haldia Dock Complex.
E-Tender No	::	KoPT/Haldia Dock Complex/MM Div/12/18-19/ET/ 322
Last date of submission of e-tender and opening of Techno Commercial Part	::	On 04.01.2019 Submission Up to 3:00 PM. Opening after 3:30 PM.
	ess	ocuments are available in web site of MSTC and have to through their website <a href="mailto:www.mstcecommerce.com">www.mstcecommerce.com</a> only. <a href="mailto:spb.hdc@nic.in">spb.hdc@nic.in</a>

## **NOTICE INVITING TENDER (NIT)**

	NOTICE INVITING TENDER (NIT)						
WORK TITLE :-	Supply and delivery of "Various types of Plumbing materials on annual contract basis" (as per Bill of Quantities) to Haldia Dock Complex.						
3.1 E-TENDER N	IO:- KoPT/Haldia Dock Complex/MM Div/12/18-19/ET/322						
from reliable, bou Authorized Dstrib	E-Tender under single cover two part system (Techno-Commercial Bid and Price Bid) are invited from reliable, bonafide & experienced Manufacturers / authorised dealers/ authorised stockists/ Authorized Dstributors/General Order suppliers having financial capabilities on fulfilling the following Pre-gualification Criteria;						
3.2 PRE-QUALI	FICATION CRITERIA FOR BIDDERS: -						
, , ,	Annual Financial Turnover during the last three years, ending on <b>31-03-2018</b> , should be 30% of the estimated cost.						
ending la	nce of having successfully completed similar works (supply) during last 5 years ast day of month previous to the one in which applications are invited should be f the following: -						
	ee similar completed works (supply) costing not less than the amount equal to % of the estimated cost.  Or						
	o similar completed works (supply) costing not less than the amount equal to 50 of the estimated cost.  Or						
Supply of PSU or Purchase Certifica challan o	iii Similar works (supply) means: - Supply of various types of hardware materials etc in various supply contract(s) to Govt., PSU or Public / Private organization, which should be substantiated by producing Purchase Order copy along with any one or more of the following documents: Certificate of execution / Goods Receipt Note / Excise Invoice / Tax Invoice / Receipted challan copy / Payment receipted documents or any other documents substantiating the proof of supply of materials to the satisfaction of the tender issuing authority.						
	JTHORITY :-						

Sr. Dy. Manager (MM), Haldia Dock Complex, Jawahar Tower [2<sup>nd</sup> Floor], P.O.- Haldia, Dist.- Purba Medinipur – 721 607, Tele-Fax: - [03224]-263266.

Due Date	04.01.2019	Time	UPTO 15:00 hrs.	Date of Opening of Techno Commercial Bid of the Tender	04.01.2019	Time	15:30 hrs. onwards.
	ent will be avai Il have to partio		-	te. ess through website <u>w</u>	ww.mstcecon	nmerce	.com only
Date and T meeting &	ime for pre-bid site visit	N /	N/A.				
Cost of T (Non-refun	ender docume dable)	nt Rs.5	•	pees five hundred	ninety only)	) inclu	ding 18%
Earnest Mo	ney Deposit	Rs.	10,000.00	(Rupees ten thousa	nd only),		
Time Of Co	mpletion	Witl	Within 60 days after placement of Part Order.				
Estimated Cost Of Work				00 [Rupees twenty f wenty eight only]	our lakh sixt	y eigh	t thousand

3.4 <u>OT</u>	HER INSTRUCTIONS:-
3.4.1	E-Tender under single cover two part system (Techno-Commercial Bid and Price Bid) are invited from reliable, bonafide & experienced Manufacturers / authorised dealers/authorised stockists/ Authorized Dstributors/General Order suppliers having financial capabilities for supply the BOQ items at Haldia Dock Complex.
3.4.2	Details of the Tender Documents and Notification of any Addendum / Corrigendum to the tender documents are available in web site of MSTC and have to participate in bidding process through their website <a href="https://www.mstcecommerce.com">www.mstcecommerce.com</a> only.
3.4.3	E-Tender Document shall neither be issued by post nor sold.
3.4.4	E-Tenderers are not permitted to alter/change/delete/modify any clause of the tender document down loaded from the website. If any deviation / discrepancy is found after submission of tender, the submitted offer will be summarily rejected.
3.4.5	Bidders shall submit the Bid Document as stipulated in the "Instructions To Bidders" of the e-tender document. Trustees reserve the right to verify the submitted copies of documents / credentials with the original documents.
3.4.6	E-Tenderers will be received through MSTC up to 3:00 PM on the last date of submission and opening of tender specified above.
3.4.7	E-Tender will be opened shortly after 3.30 p.m. on the stipulated date of opening.
3.4.8	In case of unscheduled Holiday / Bandh on the date of opening of E-Tender, the same will be opened on the next working day.
3.4.9	It is stated here that the subject tender may not be extended further.
3.4.10	Kolkata Port Trust reserves the right to reject any or all offers or to accept the offer in whole or in part without assigning any reason whatsoever thereof.

General Manager (Engg.) Haldia Dock Complex

# PROCEDURE OF PAYMENT OF EARNEST MONEY AND BID DOCUMENT FEE THROUGH AXIS BANK GATEWAY

The Bidders would be able to access the payment gateway from the Vendor log in page of the MSTC ecommerce site (www.mstcecommerce.com→ e-Procurement →Psu / Govt → Kolkata Port Trust ) under the icon: "HDC EMD/Tender Fee Payment". Clicking this icon will take the bidders to the Axis bank gateway. Alternatively, the Bidders can also access the gateway by from Axis bank easypay website site (https://easypay.axisbank.co.in→ Others → Haldia Dock Complex) The Bidder will be required to mention the Bidder's ID (The ID used by the Bidder for logging 2. in the MSTC Website) and Bid Id ( E-tender Number of the Tender against which the Bidders intend to submit Bid) and then Click 'VALIDATE'. A webpage will populate where the Bidder will be required to select: Earnest Money 3. Document Fee, then indicate his Mobile Number and the CAPTHA displayed in the webpage. Depending on the selection, another webpage will come up. 4. 5. In case of selection of Earnest Money, The bidder will be required to select the option of With or Without Bank Guarantee. In case of Bids, where there is no option to pay through BG, Bidders should select the option 'Without'. In case of any tender, where there is an option to pay a part of EM through Bank Guarantee and the Bidders wants to avail that option, the bidder should select 'With". The Bidder will be required to mention their Bank Account Number, IFSC Code of his Bank, 6. and the Name of the Account, insert the Captha mentioned in the web page and then 'SUBMIT'. In case of Bid Document Fee payment, Bank Account Number would not be required. An URN Number will be generated. Bidders may keep note of this URN Number for all future reference. Another webpage will come up and the Bidder will have the option to select payment methods 7. from - (i) Internet Banking and (ii) NEFT/RTGS after agreeing with the terms and conditions by clicking the dialogue box appearing in the webpage. 8. In case of selection of Internet Banking, the bidder will be required to select any Bank of their choice and depending on the selection the bidder will then be guided to the webpage of respective Bank. After validating the payment in the respective bank, the system will return to the Axis Bank Payment gateway. In case of selection of RTGS/NEFT, the webpage will generate a payment advice. The Bank 9. Account Number, IFSC Code of the Bank, Name of the payee i.e Haldia Dock Complex and the amount to be paid will be indicated in the said payment advice. The Bidders will also get an SMS and Email detailing the same. The Bidder will be required to mention the same correctly in the Bank challan which required to be filled up for payment by RTGS/NEFT in the bank from where they intend to make the payment. The Bidders should note that Bank A/C number of HDC mentioned in the Payment advice will change for each and every transaction and hence for each and every payment the entire process from the beginning will have to be followed for generation of a URN Number. 10. For payment of Bid Document fee, identical process is to be followed. The Bidders will be able to know the status of their payment by using the 'Enquire URN' facility 11. by mentioning the URN Number in the Axis Bank login page. Until such time the payment is credited to HDC's A/C the system will show the status as 'Pending'. 12. The Bidders should note that until such time the status remains 'Pending', the payment is not made to HDC and mere generation of URN Number will not signify payment of EM or Bid Document Fee. Hence, if the status remains 'Pending' after some time of submitting the RTGS/NEFT payment request at their Bank, then the bidder should contact their Bank to enquire about the status of RTGS/NEFT request. 13. In case of any problem relating to use of the payment gateway the bidder should contact the tender inviting authorities whose phone number and email address is mentioned in the e-

tender.

#### **Important instructions for E-procurement**

Bidders are requested to read the terms & conditions of this tender before submitting your online tender.

#### 1 Process of E-tender:

**A) Registration:** The process involves vendor's registration with MSTC e-procurement portal which is free of cost. Only after registration, the vendor(s) can submit his/their bids electronically. Electronic Bidding for submission of Technical Bid as well as Commercial Bid will be done over the internet. The Vendor should possess Class III signing type digital certificate. Vendors are to make their own arrangement for bidding from a P.C. connected with Internet. MSTC is not responsible for making such arrangement. (Bids will not be recorded without Digital Signature).

# SPECIAL NOTE: THE TECHNICAL BID AND THE COMMERCIAL BID HAS TO BE SUBMITTED ON-LINE AT <a href="https://www.mstcecommerce.com/eprochome/">www.mstcecommerce.com/eprochome/</a>.........

- 1). Vendors are required to register themselves online with <a href="www.mstcecommerce.com">www.mstcecommerce.com</a>→ e-Procurement →PSU/Govt depts→ Select ...... Logo->Register as Vendor -- Filling up details and creating own user id and password→ Submit.
- 2). Vendors will receive a system generated mail confirming their registration in their email which has been provided during filling the registration form.

In case of any clarification, please contact ...../MSTC, (before the scheduled time of the etender).

#### Contact person (Haldia Dock Complex):

- 1. Sri S. P. Bhattacharjee Sr. Dy. Manager (MM) Haldia Dock Complex Ph. No. 03224 263266 Mb. No. 9434063649 spb.hdc@nic.in
- 2. Sri T.Sarkar
  Asstt. Manager (MM)
  Haldia Dock Complex
  Pn. No. 03224 264167
  Mb. No. 9434031196
  tsarkar.hdc@nic.in

#### Contact person (MSTC Ltd):

- 1. Sri Pritam Biswas, AM (ERO) <u>pbiswas@mstcindia.co.in</u> Mb. No. 9903248755
- 2. Sri Mayank Jain, AM (ERO) <a href="mailto:mhjain@mstcindia.co.in">mhjain@mstcindia.co.in</a> Mb. No. 9721277969
- 3. Sri Vikash Kumar Jaiswal, RM (ERO)- vikash@mstcindia.co.in Mb. No. 9903042449

### Google hangout ID- (for text chat)- mstceproc@gmail.com

- B) System Requirement:
- i) Windows 7 or above Operating System
- ii) IE-7 and above Internet browser.
- iii) Signing type digital signature
- iv) Latest updated JRE 8 (x86 Offline) software to be downloaded and installed in the system.

To disable "Protected Mode" for DSC to appear in The signer box following settings may be applied.

- Tools => Internet Options => Security => Disable protected Mode If enabled- i.e, Remove the tick from the tick box mentioning "Enable Protected Mode".
- Other Settings:

Tools => Internet Options => General => Click On Settings under "browsing history/ Delete Browsing History" => Temporary Internet Files => Activate "Every time I Visit the Webpage".

To enable ALL active X controls and disable 'use pop up blocker' under Tools→Internet Options→ custom level (Please run IE settings from the page <a href="https://www.mstcecommerce.com">www.mstcecommerce.com</a> once)

- All entries in the tender should be entered in online Technical & Commercial Formats without any ambiguity.

#### 4 Special Note towards Transaction fee:

The vendors shall pay the transaction fee using "Transaction Fee Payment" Link under "My Menu" in the vendor login. The vendors have to select the particular tender from the event dropdown box. The vendor shall have the facility of making the payment either through NEFT or Online Payment. On selecting NEFT, the vendor shall generate a challan by filling up a form. The vendor shall remit the transaction fee amount as per the details printed on the challan without making change in the same. On selecting Online Payment, the vendor shall have the provision of making payment using its Credit/ Debit Card/ Net Banking. Once the payment gets credited to MSTC's designated bank account, the transaction fee shall be auto authorized and the vendor shall be receiving a system generated mail.

#### Transaction fee is non-refundable.

A vendor will not have the access to online e-tender without making the payment towards transaction fee.

#### **NOTE**

Bidders are advised to remit the transaction fee well in advance before the closing time of the event so as to give themselves sufficient time to submit the bid.

- Information about tenders /corrigendum uploaded shall be sent by email only during the process till finalization of tender. Hence the vendors are required to ensure that their corporate email I.D. provided is valid and updated at the time of registration of vendor with MSTC. Vendors are also requested to ensure validity of their DSC (Digital Signature Certificate).
- 6 E-tender cannot be accessed after the due date and time mentioned in NIT.

# 7 **Bidding in e-tender**:

- a) Vendor(s) need to submit necessary EMD, Tender fees and Transaction fees (If ANY) to be eligible to bid online in the e-tender. Tender fees and Transaction fees are non refundable. No interest will be paid on EMD. EMD of the unsuccessful vendor(s) will be refunded by the tender inviting authority.
- b) The process involves Electronic Bidding for submission of Technical and Commercial Bid.
- c) The vendor(s) who have submitted transaction fee can only submit their Technical Bid and Commercial Bid through internet in MSTC website <a href="www.mstcecommerce.com">www.mstcecommerce.com</a> → e-procurement →PSU/Govt depts→ Login under ...........→My menu→ Auction Floor Manager→ live event →Selection of the live event
- d) The vendor should allow running JAVA application. This exercise has to be done immediately after opening of Bid floor. Then they have to fill up Common terms/Commercial specification and save the same. After that click on the Technical bid. If this application is not run then the vendor will not be able to save/submit his Technical bid.
- e) After filling the Technical Bid, vendor should click 'save' for recording their Technical bid. Once the same is done, the Commercial Bid link becomes active and the same has to filled up and then vendor should click on "save" to record their Commercial bid. Then once both the Technical bid & Commercial bid has been saved, the vendor can click on the "Final submission" button to register their bid
- f) Vendors are instructed to use *Attach Doc button* to upload documents. Multiple documents can be uploaded.

In all cases, vendor should use their own ID and Password along with Digital Signature at the time of submission of their bid. During the entire e-tender process, the vendors will remain completely anonymous to one another and also to everybody else. The e-tender floor shall remain open from the pre-announced date & time and for as much duration as mentioned above. All electronic bids submitted during the e-tender process shall be legally binding on the i) vendor. Any bid will be considered as the valid bid offered by that vendor and acceptance of the same by the Buyer will form a binding contract between Buyer and the Vendor for execution of supply. It is mandatory that all the bids are submitted with digital signature certificate otherwise the same will not be accepted by the system. Buyer reserves the right to cancel or reject or accept or withdraw or extend the tender in full or part as the case may be without assigning any reason thereof. m) No deviation of the terms and conditions of the tender document is acceptable. Submission of bid in the e-tender floor by any vendor confirms his acceptance of terms & conditions for the tender. 8 Any order resulting from this tender shall be governed by the terms and conditions mentioned therein. 9 No deviation to the technical and commercial terms & conditions are allowed. 10 The tender inviting authority has the right to cancel this e-tender or extend the due date of receipt of bid(s) without assigning any reason thereof. Vendors are requested to read the vendor guide and see the video in the page 11 www.mstcecommerce.com/eprochome to familiarize them with the system before bidding. Bidding in e-tender & Reverse auction: 12 Bidder(s) need to submit necessary EMD, Tender fees (if any) and Transaction fees to be a. eligible to bid online in the e-tender. Tender fees and Transaction fees are non refundable. No interest will be paid on EMD. EMD of the unsuccessful bidder(s) will be refunded by HDC. Bank details i.e. name of bank & address, Current a/c no, IFS Code to be mentioned by the tenderer for refund. The process involves Electronic Bidding for submission of Techno Commercial Bid as well as Price Bid. The bidder(s) who have submitted the above fees can only submit their Techno C. Commercial Bids and Price Bid through internet in **MSTC** website www.mstcecommerce.com → e-procurement →Psu/Govt depts→ Login →My menu→ Auction Floor Manager→ live event →Selection of the live event→ Techno Commercial The bidder should allow to run an application namely enApple by accepting the risk and d. clicking on run. This exercise has to be done twice immediately after clicking on the Techno-Commercial bid. If this application is not run then the bidder will not be able to save/submit his bid. After filling the Techno-Commercial Bid, bidder should click 'save' for recording their e. Techno-Commercial bid. Once the same is done, the Price Bid link becomes active and the same has to filled up and then bidder should click on "save" to record their price bid. Then once both the Techno-Commercial bid & price bid has been saved, the bidder can click on the "Submit" button to register their bid.

		NOTE: - The Techno-Commercial Bid & price bid cannot be revised once the submit button has been clicked by the bidder.					
	f.	In all cases, bidder should use their own ID and Password along with Digital Signature at the time of submission of their bid.					
	g. During the entire e-tender process, the bidders will remain completely anonymous to one another and also to everybody else.						
	h.	The e-tender floor shall remain open from the pre-announced date & time and for as much duration as mentioned above.					
	i.	All electronic bids submitted during the e-tender process shall be legally binding on the bidder. Any bid will be considered as the valid bid offered by that bidder and acceptance of the same by the Buyer will form a binding contract between Buyer and the Bidder for execution of supply. Such successful tenderer shall be called hereafter SUPPLIER.					
	j.	It is mandatory that all the bids are submitted with digital signature certificate otherwise the same will not be accepted by the system.					
	k.	Buyer reserves the right to cancel or reject or accept or withdraw or extend the tender in full or part as the case may be without assigning any reason thereof.					
	l.	No deviation of the terms and conditions of the tender document is acceptable. Submission of bid in the e-tender floor by any bidder confirms his acceptance of terms & conditions for the tender.					
	m.	Unit of Measure (UOM) is indicated in the e-tender Floor. Rate to be quoted should be in Indian Rupee as per UOM indicated in the e-tender floor/tender document.					
13		order resulting from this open e-tender shall be governed by the terms and conditions tioned therein.					
14	No c	leviation to the technical and commercial terms & conditions are allowed.					
15		r submitting online bid, the bidder cannot access the tender, once it has been submitted digital signature.					
16	HDC	has the right to cancel this e-tender without assigning any reason thereof.					
17		The online tender should be submitted strictly as per the terms and conditions and procedures laid down in the website www.mstcecommerce.com / eprochome / mstc of MSTC Ltd.					
18	The bidders must upload all the documents required as per terms of NIT. Any other document uploaded which is not required as per the terms of the NIT shall not be considered.						
19	The bid will be evaluated based on the filled-in technical & commercial formats.						
20	The documents uploaded by bidder(s) will be scrutinized. In case any of the information furnished by the bidder is found to be false during scrutiny, EMD of defaulting bidder(s) will be forfeited. Punitive action including suspension and banning of business can also be taken against defaulting bidders.						
21		essary addendum/ corrigendum (if any) of tender would only be hosted in the e-tendering al of M.S.T.C.					
22	Due	date of submission of tender will not be extended under any situation.					

# **INSTRUCTIONS TO BIDDER**

		FOR SUPPLY AND DELIVERY OF "PLUMBING MATERIALS ON ANNUAL BASIS" (AS PER BILL OF QUANTITIES) TO HALDIA DOCK COMPLEX.				
E-TEN	DER	NO: KoPT/Haldia Dock Complex/MM Div/12/18-19/ET/322				
5.0	The acco	Supply and Delivery work as described in the tender shall be executed in Haldia and in ordance with the attached General Conditions of Contract, Special Conditions of tract, Particular Specifications & detailed Bill Of Quantities.				
5.1	Earr " <b>PR</b>	RNEST MONEY: nest money and cost of tender paper are to be deposited by vendors as per OCEDURE OF PAYMENT OF EARNEST MONEY AND BID DOCUMENT FEE ROUGH AXIS BANK GATEWAY" (at page 10).				
5.1.1		ails of cost of e-tender paper remitted should be entered by the participating dor/contractor in the space provided in the e-tender as indicated hereunder:				
	a)	Name of remitting vendor/contractor :				
	b)	Tender No. :				
	c)	Amount remitted :				
	d)	Date of remittance :				
	e)	U.T.R No. :				
5.1.2	Details of Earnest money remitted should be entered by the participating vendor/contractor in the space provided in the e-tender as indicated hereunder:					
	a)	Name of remitting vendor/contractor :				
	b)	Tender No. :				
	c)	Amount remitted :				
	d)	Date of remittance :				
	e)	U.T.R No. :				
Tender	subr	nitted without requisite Earnest Money and tender paper will be liable for rejection.				
5.2	MO	DE OF SUBMISSION OF BID :				
5.2.1	All bidders must submit their offers through e- tendering in accordance with the terms and conditions set out in the bid documents and no deviation will be accepted.					
5.2.2	Tecl	nno commercial part shall contain the following which are to be uploaded: -				
	a)	That the Bidding Firm has Not been debarred / de-listed by any Govt / Quasi Govt. / Public Sector undertaking in India.				
	b)	The proprietor/partner(s)/authorized signatory of the bidding firm (in the case of proprietorship firm /partnership firm /limited company, as the case may be) is/are not associated with any other firm bidding for the same work.				
	c)	The un-priced "Abstract Form Of Tender" & "Form Of Tender" (without price quoted) shall not only be signed and stamped by the Bidder, but must also be duly witnessed and scan copy to be uploaded.				

A list of works (supply) which are in hand at the time of submitting the offer as per the enclosed Proforma titled 'Concurrent Commitments of The Bidder' vide 'Annexure-II' of the tender document. A Declaration as per 'Annexure – I' that no conditions / deviations have been added e) in the price part of the Bid. f) Scan copy of the following documents to be uploaded: -GSTIN / Provisional GST registration certificate. ii) Valid Trade Licence. iii) Valid Professional Tax Clearance Certificate / Up to date tax payment. Proof of possessing valid Employees' Provident Fund (EPF) Account if required. Proof of being registered with Employees' State Insurance Corporation (ESIC) if v) required. Details of the firm as per Schedule-O of the tender document. g) h) Credentials in the form of copies of Letters of Award of Supply (Works) along with corresponding Completion Certificates from owners to justify that the intending bidder satisfies the earlier mentioned pre-qualification criteria. Certified copies of audited balance sheet and Profit and Loss account / Trading i) account for the last 3 (three) financial years (i.e. 2015-2016, 2016-2017, 2017-Addendum/Corrigendum / Notice / Extension Notice issued and drawings (if any) duly j) signed by the Bidder under office seal. The bidder will have to produce the original documents or any additional documents, if asked for, to satisfy the Authorities. 5.2.3 All the bidders should submit the e-tender in accordance with the Mode of submission of Bid as aforesaid. 5.3 **OPENING OF BIDS:** 5.3.1 e-Tender will be opened on the date and time as fixed in the e-tender document on line. 5.3.2 Price Part of only those bidders will be considered for evaluation who qualifies techno commercially. SECURITY DEPOSIT: 5.4 5.4.1 For the successful Bidder, the Security Deposit shall be recovered from the Earnest Money deposit in accordance with clause 3.4 (f) and (g) of the General Conditions of Contract. Refund of S.D. and forfeiture S.D. shall be guided by Cl. 3.5 (i) & (ii) of the G.C.C. 5.4.2 5.5 **REFUND OF EARNEST MONEY:** The Earnest Money received, will be refunded or released as the case may be to the unsuccessful Bidders without any interest within 15 (Fifteen) days after opening of Price bid of the e-Tender document. **VALIDITY OF OFFER:** 5.6 The e-tender shall remain valid for a period of 120 [One Hundred Twenty] Days from the date of opening the same. If before expiry of this validity period, the Bidder amends his quoted rates or tender, making them unacceptable to the Trustees and / or withdraws his e-tender, the Earnest Money deposited shall be liable to forfeiture at the option of the Trustees/ Sanctioning Authority/Engineer.

5.7	DETA	ILED SCRUTINY OF E-TENDERERS:				
5.7.1	During the course of examination of Techno Commercial Part of the bid, the bidders, if asked for, shall furnish any or additional document(s) for the purpose of evaluation of his / their bids. The price bids of those bidders who meet the qualifying criteria of NIT shall be considered for further evaluation.					
5.7.2		g techno-Commercial Evaluation of tender, an offer shall be considered <b>non-onsive</b> in case :-				
	i)	is not accompanied by requisite earnest money,				
	ii)	is not accompanied by requisite tender paper cost,				
	iii)	validity of the offer is less than tender stipulation,				
	iv)	It does not meet the Qualification Criteria as stipulated in the NIT.				
	v)	The bidder submits conditional offer / impose own terms and conditions / does not accept tender conditions completely.				
In add	lition t	o above, a bidder may be disqualified if –				
a)		bidder provides misleading or false information in the statements and documents mitted.				
b)	wor	Record of unsatisfactory performance during the last seven years, such as abandoning of work or rescinding of contract for which the reasons are attributable to the non-performance of the contractor or inordinate delays in completion or financial bankruptcy				
5.8		decision of Kolkata Port Trust in this regard shall be final and binding on the Bidder.  Micro & Small Enterprises (MSEs) registered with NSIC:-				
5.8.1		Micro & Small Enterprises (MSEs) shall submit the following documents for availing themselves waiver of EMD and cost of tender documents:-				
5.8.2	sche havi CEN Micr Sche MSE	Micro & Small Enterprises (MSEs) registered with NSIC (under single point registration scheme) are exempted from depositing Cost of Tender Document and Earnest Money having valid NSIC Certificate, for MSEs along with DIC's (DISTRICT INDUSTRIES CENTRE) certificate / Udyog Aadhaar certificate.  Micro & Small Enterprises (MSEs) registered with NSIC under Single Point Registration Scheme (SPRS) are eligible to get the benefits under new Public Procurement policies for MSEs as notified by Govt. of India, Ministry of Micro, Small & Medium Enterprises (MSME) vide Gazette Notification, dated 26.03.2012.				
5.9	Scheduled Caste (SC) & Scheduled Tribe (ST) entrepreneurs should have documentary evidences, to get benefit in this regard.  [Note:-Bidders shall upload scanned copy of necessary document in this regard]					
5.10	For Micro & Small Enterprises (MSEs) registered with NSIC:  If eligible for this kind of job, the benefits as per prevailing norms will be extended to MSEs registered with Authorities as per New Public procurement Policy as notified by the Government of India, Ministry of Micro, small & medium enterprises (MSME) in The Gazette of India vide No. 503, dated 26.03.2012. It is not obligatory on the part of the Trustees to accept Lowest Tender. They reserve the right to accept a Tender in full or in part and/or reject a Tender without assigning any reason thereof.					

5.11	ACC	EPTANCE OF TENDER:				
5.11.1		Kolkata Port Trust reserves the right to accept / reject any / all offer(s) without assigning any reason thereof and also reserve the right to accept the tender in part or as a whole.				
5.11.2		attempt to exercise undue influence in the matter of acceptance of Tender is strictly hibited and any Tenderer who resorts to this will render his tender liable to rejection.				
5.11.3	"Ter	successful Tenderer will be notified in writing of the acceptance of his tender. The nderer" then becomes the "Seller" and he shall execute the Rate Contract against to time Part order(s) placed upon them.				
5.11.4		k experience, as a sub-supplier or supply contractor shall not be considered as the lisite qualification				
5.12	MIS	CELLANEOUS:				
	i)	Bidder shall submit his offer for complete scope of work, strictly in accordance with the tender documents. Any deviation from the tender documents and / or any incomplete tender shall not be considered.				
	ii)	The bidder shall not impose his own terms & conditions in his offer or quote his rates based on his own terms and conditions, such E-Tenders are liable to rejection at the option of the Trustees without further reference to the bidder.				
	iii)	All materials shall have to be procured by the successful Bidder and shall be of the best and approved quality conforming to relevant specifications. The successful Bidder shall also arrange for the supply of all labour, tools and plants as stipulated in the Special Conditions of Contract, required for efficient execution of the work.				
	iv)	All measuring units are in Metric System and rates and sums in the tender are in Indian Currency. The language used throughout shall be in English.				
	v)	The Tender Documents with all the enclosures, appendices, Abstract Form of Tender and Form of Tender shall be required to be completed, duly filled in and signed and uploaded.				
	vi)	The Bidder shall give a declaration about the names of their relations employed in Kolkata Port Trust. It is not the intention to debar the Contractors from working if their relatives are working in Ko.P.T, but such a declaration is necessary in the interest of Trustees against any possible lapses.				

\*\*\*\*\*

#### **COMMERCIALTERMS & CONDITIONS:**

Mere submission of Tender Document will not mean that a particular bidder will be AGREE

5.3.2 Price Part of only those bidders will be considered for evaluation who qualifies techno AGREE

Micro & Small Enterprises (MSEs) registered with NSIC (under single point registration AGREE

i) Micro & Small Enterprises (MSEs) registered with NSIC under Single Point Registration AGREE

**Terms & Conditions** 

automatically considered qualified and their bids will be Considered after evaluation of bids.

scheme) are exempted from depositing Cost of Tender Document and Earnest Money having valid NSIC Certificate for MSEs along with DIC's(DISTRICT INDUSTRIES

Scheme (SPRS) are eligible to get the benefits under new Public Procurement policies for MSEs as notified by Govt. of India, Ministry of Micro, Small & Medium Enterprises (MSME)

ii) When splitting of tender quantity is not possible purely on technical ground, trustees' reserve the right not to negotiate price with MSE if their price is within the band of L1+15% in comparison with L1 price of non-MSE for consideration of award of order for 20% of tender quantity against any item, 4% sub-target for MSE owned by SC or ST

iii) If Micro & Small Enterprises (MSEs) registered with NSIC intends to participate in the tender, for the items they are registered with NSIC, then they will not have to deposit cost

SI.

No. 1.

2.

3.

4.

commercially.

CENTRE)/Udyog Aadhaar Certificate.

vide Gazette Notification, dated 26.03.2012.

Entrepreneurs as per new public procurement policy.

of Tender Document and Earnest Money as per NIT.

part without assigning any reason thereof.

5. Copy of valid NSIC Certificate for MSEs along with DIC's (DISTRICT INDUSTRIES AGREE CENTRE)/Udyog Aadhaar Certificate has to be submitted along with the bid. 6. Tenders without requisite Earnest Money are liable to be rejected excepting in case of Micro AGREE & Small Enterprises (MSEs) registered with NSIC (under single point registration scheme) for items for which the tender is invited. 7. Due date of submission of tender will not be extended under any situation. **AGREE** 8. **SCOPE OF WORK:-AGREE** i) Part Orders will be placed from time to time depending on requirement. ii) The contract will remain valid for a period of 1(one) year from the date of issue of the Contract subject to an extension of 03 months at the discretion of Sr. Dy. Manager (MM) on the same Terms and Conditions. 9. The Terms and Conditions of Tender shall be read in conjunction with the General AGREE Conditions of Contract, Specifications, Bill of Quantities and other documents forming part of this Contract wherever the Contract so requires. In case of any dispute, question or difference either during the execution of the Contract AGREE 10. or any other time as to any matter or thing connected with or arising out of this Contract, the decision of the Engineer/Engineer's Representative of HDC thereon shall be final. 11. The Engineer/Engineer's Representative also reserve the right to obtain revised commercial AGREE bid to the extent and in areas required from the technically acceptable bidders. The Engineer/Engineer's Representative are not bound to accept the lowest or any Tender AGREE and reserve the right to accept a tender in full or in part and / or reject a tender in full or in

- **13.** The contract shall be governed by all relevant Indian Acts applicable only within the AGREE jurisdiction of the High Court at Kolkata.
- **14.** Intending bidders must take into account any cost or expense incurred by them in AGREE connection with the preparation and delivery of their bids or for any other expenses incurred in connection with such bidding.
- **15.** Bidders are advised to visit the site of Haldia Dock Complex prior to submission of their bid. AGREE Bidder shall get himself thoroughly familiarized with the site conditions, for carrying materials etc. before submission of the tender.

16. VALIDITY :- AGREE

The tender shall remain open for acceptance for a period of 120 days from the date of opening of the same. If before expiry of this validity period, the Bidder amends his quoted rates or tender, making them unacceptable to the Trustees and / or withdraws his tender, the Earnest Money deposited shall be liable to forfeiture by Authority.

#### 17. NON- RESPONSIVE BIDDER:-

AGREE

The bid is non-responsive, if:

- i) Non acceptance of 120 days validity from the date of opening of techno-commercial bid.
- ii) Any deviation from the tender terms & conditions.

#### 18. EARNEST MONEY AND SECURITY DEPOSIT:-

AGREE

- i) The Earnest Money Deposit shall be released to the unsuccessful Bidder without any interest after finalization of Successful bidder. The Earnest Money of the successful Bidder shall be released after receiving Security Deposit.
- ii) The EMD shall be adjusted towards Security Deposit equal to 5% of the basic contract value. The successful bidder shall pay Balance Security Deposit by Banker's Cheque or by Demand Draft of any Scheduled/ Nationalized Bank of India drawn in favour of Haldia Dock Complex and payable at Halide, within 30 days from the date of placement of order. Failing which, the HDC reserves the right to cancel the acceptance and forfeit the Earnest Money.

The Security Deposit shall be refunded without interest after the successful execution of the order and completion of guarantee period.

- iii) If the contract value of Rs. One Lakh and above, the supplier shall be offered a DD or Bank Guarantee in the form of Security Deposit by any nationalized/scheduled bank payable at Haldia. The Bank Guarantee shall be submitted in the form shown in Annexure-A with the claim period of one month over the validity of 120 days.
- IV) In the event of the successful bidder failing to execute the order within the stipulated delivery period without sufficient reasons acceptable to the Trustees, the Security Deposit may be forfeited and the order be cancelled at the option of the Trustees'.
- V) The security deposit converted into performance bank Guarantee for the period of 12 months.

#### 19. PRICING OF BIDS:-

- i) Price should be quoted on F. O. R. (including charges for packing, forwarding, AGREE loading, transportation, unloading, stacking, transit risk etc.) HDC's site / store at Haldia, excluding of GST as applicable.
- ii) The Bidder shall state clearly the percentage of GST as applicable quoted in the AGREE price BOQ in Annexure-V.
- **iii)** Each bidder shall keep in mind while quoting his rate, in the event of part order AGREE being placed, his quoted rate shall remain firm of the subject order till the entire supply of goods is completed.
- iv) No Price escalation is admissible other than statutory taxes as applicable AGREE and vice –versa.

#### 20. EVALUATION CRITERIA:-

- i) During evaluation of Price Part, provided that the bidder submits his offer following e-tender stipulations & specifications, **the I tem wise lowest offer received** shall be considered for acceptance by the Trustees.
- ii) Evaluation will be made on unit lowest (L1) landed price excluding GST as AGREE applicable quoted against individual items of the BOQ. However, as per New Public Procurement Policy as notified by the Government of India, Ministry of Micro, Small & Medium Enterprises (MSME) in The Gazette of India vide No. 503, dated 26.03.2012 to extend the benefit to MSEs registered with NSIC and same shall be evaluated as mentioned above.
- iii) In the event of Part Order being placed, the rate(s) against each of the item(s) AGREE constituting the order shall be identical to the rate(s) for the corresponding item(s) quoted in the Price Bid remain unaltered. Tender terms and conditions shall also remain unaltered. Irrespective of whether order is placed on part or, on the whole of the BOQ no plea for subsequent withdrawal or the amendment will be entertained.

21. GST:- AGREE

The suppliers shall comply with all requirements of the GST to enable KoPT to avail full credit on buyer's GST. The payment of GST element shall be subject to compliance of the same.

22. PAYMENT:- AGREE

Payment will be made within 30 days of acceptance of materials at HDC's Store against bill. Payments shall be made through RTGS/NEFT mechanism at all centers where such facilities are available in the bank. Payment may be made in maximum two installment. The bills should be submitted in triplicate to Sr. Dy. Manager (MM) with receipted Challan in duplicate along with relevant documents. Accordingly, bidders are requested to submit their bank Account no. with the name and address of the bank along with the branch name and IFS code number in the bill.

## 23. TIME OF DELIVERY AND CONTRACT PERIOD :-

AGREE

- i) Delivery of the materials must be completed within 60 days from the date of receipt of Part Order by the supplier.
- ii) The successful Bidder must make their own arrangements for delivery of all materials, as well as for careful and proper unloading and stacking at HDC's Store/Site. The responsibility for preventing damage / deterioration to the materials during transit, delivery, unloading and stacking at the designated point shall rest with the Supplier. All transit risk will be to supplier's account. The Bidder must send advance intimation to the concerned Officer as to the proposed dates of delivery of each and every installment of supply together with a list showing quantity and particulars of the material in the consignment. Materials will not be accepted if not accompanied by the authorized representative along with proper Delivery Challan, Inspection / Test Certificate, Guarantee Certificate and other related documents. Delivery of materials will not be accepted on Sundays and Holidays. No lorry shall be permitted into the protected area during night-time. Detention of lorries, if any, will be on supplier's account. The authorized representative of the Bidder should be present at the time of delivery.

## 24. DESPATCH ARRANGEMENTS:-

AGREE

Supplier can deliver materials from Monday to Friday except on Port Holidays and during night time. During the delivery time Authorized Representative should be present along with the HDC's Representative for carrying out joint inspection based on relevant document.

In case **e-way bill** is required to deliver the materials, suppliers need to arrange themselves for the same through latest online portal.

#### 25. INSPECTION:-

- The Materials will be accepted only after Visual Inspection and on the basis of relevant AGREE document at manufacturer workplace / site and the same shall be confirmed to relevant IS Specification as applicable.
- Inspection of materials will be done by authorized representative of Sr. Dy. Manager AGREE (I&CF), after delivery of materials at Site Stores of I&CF Division, Haldia. Dock Complex at Haldia.
- iii) If required, HDC in presence of Supplier shall collect the sample and sent to AGREE Government / Government registered Test House for Testing. Selection of the complete Lot will be based on Test Report of the sample. Result of such Testing will be binding on Supplier.

#### 26. REJECTION OF MATERIALS:-

Not withstanding the inspection and passing of materials by Trustees' authorized person, AGREE any material found to be defective in quality and not conforming to the relevant specification, shall liable to be rejected and the supplier shall replace the same at his cost and arrangement at the earliest.

The supplier shall at his own arrangement and cost replace within a period of 1 (one) AGREE month all such dispatched materials that have either been rejected by Trustees' authorized person, or have been found in defective / broken / damaged condition after unloading.

**AGREE** 

**AGREE** 

**AGREE** 

**AGREE** 

Rejected materials shall be at Supplier's risk. They must be collected from the Trustees' AGREE Stores, H.D.C. within a fortnight from the date of rejection on observing usual procedure on the matter. If the contractor fails to remove such materials within a reasonable time, the Trustees shall have the right to dispose of the same and the supplier shall have no claim against the Trustees in respect of the said rejected materials.

#### 27. GUARANTEE PERIOD:-

The materials shall have to be guaranteed against any defects by the supplier for a period of 12 months from the date of commissioning or, 18 months from the date of final acceptance, whichever is earlier. If any defects develop during the guarantee period, the same will be rectified /replaced by the party at their own cost. Delay in honoring the guarantee would cause the guarantee period to be extended for similar period. Guarantee certificate of the supplier is to be submitted at the time of supply of materials.

## TRANSIT RISK :-

**AGRFF** Transit risk will be on supplier's account since the delivery is to be made on F. O. R. Destination basis.

#### 29. PERMITS:-

The Supplier shall take necessary pass to allow the man, material and vehicle to HDC's Site stores through Main Gate which requires necessary RFID pass issued by Shipping office / Administration / CISF with necessary charges as applicable.

### 30. LIQUIDATED DAMAGES:-

If the successful bidder (supplier) failed to supply materials during the delivery period, the supplier shall impose liquidated damage @ ½ percent of the total landed cost excluding GST as applicable for every week delay on materials out of schedule of delivery which should not exceed 10 per cent of the total basic value of the contract.

31. PACKING:-**AGREE** 

Supplier(s) shall be responsible for proper packing and delivery of materials in good condition. Materials shall be packed in proper way by the supplier at his own cost for protection against damage, loss, leakage etc.

#### 32. CERTIFICATES:-

Guarantee Certificate inline with the tender clause is to be submitted by the bidder. Manufacturer's Test Certificate must be produced at the time of inspection of the materials and along with the supply.

#### 33. TEST CERTIFICATE:-

**AGREE** 

The successful bidder should provide necessary test certificate either from manufacturer or from govt. approved test house / laboratory in respect of conforming specification of material wherever applicable.

#### 34. RISK PURCHASE:-

**AGREE** 

In case of supplier's failure and at the absolute discretion of the Sr. Dy. Manager (MM), the work may be ordered to be completed by some other agency at the risk and expense of the supplier (successful tenderer) after a minimum three days' notice in writing has been given to the supplier by the Sr. Dy. Manager (MM) or, his representative. In case of risk purchase extra cost will be borne by the supplier (successful tenderer).

#### 35. BANNED OR DE-LISTED CONTRACTORS :-

**AGREE** 

Bidders must give a declaration to the effect that they have not been banned or, de-listed by any Government or, Quasi-Government Agency or, PSU. If a Bidder has been banned / de-listed by any Government or, Quasi-Government Agency or PSU, the details of any such ban must be clearly stated along with relevant documents which the Bidder is to enclose together with Techno-Commercial Bid. Incorrect declaration or suppression of facts will lead to rejection of the Offer.

#### 36. FORCE MAJEURE :-

AGREE

In the event of either party being rendered unable by Force Majeure to perform any obligation required to be performed by them under the contract, the relative obligation of the Party affected by such Force Majeure shall upon notification to the other Party be suspended for the period during which Force Majeure event lasts. The cost and loss sustained by either party shall be borne by respective parties The Term 'FORCE MAJEURE' as employed herein shall mean acts of God, Earthquake, Floods and Hurricane / Cyclone, War, Revolution, Riot, Fire, Strike excluding strike by the employees of the Supplier or their Sub-contractors. Upon the occurrence of such cause the party alleging that it has been rendered unable as aforesaid, shall notify the other party in writing immediately but not later than 7 ( seven ) days of the alleged beginning thereof giving full particulars and the satisfactory evidence in support of its claim.

#### 37. JURISDICTION OF COURT :-

**AGREE** 

The contract shall be governed by all relevant Indian Acts applicable within the jurisdiction of High Court at Calcutta.

#### 38. WORKMEN COMPENSATION:-

**AGREE** 

The successful bidders must cover his employees / workers, who will be engaged for delivery, unloading & stacking job at HDC's site, under workmen compensation act, fatal accident act and personal injuries insurance act for protection against any injury / accident and shall have to bear all the consequences and cost as applicable as per relevant acts.

#### 39. PERSONAL PROTECTIVE EQUIPMENT (PPE):-

AGREE

Suppliers and his workmen including driver & helper must use PPE i.e. Safety Helmet etc. at the time of supply of materials inside the Dock premises.

### PREAMBLE TO THE BILL OF QUANTITIES

E-TENDER FOR SUPPLY AND DELIVERY OF "PLUMBING MATERIALS ON ANNUAL CONTRACT BASIS" (AS PER BILL OF QUANTITIES) TO HALDIA DOCK COMPLEX.

E -TENDER NO: KoPT/Haldia Dock Complex/MM Div/12/18-19/ET/322

- 8.1 The Bill of Quantities must be read with the General Conditions of Contract, the Special Conditions of Contract and the Particular Specifications of Work and the Bidder is deemed to have examined the above documents and to have thoroughly familiarise himself with the total scope of work and its mode of execution.
- 8.2 The quantities given in the Bill of Quantities are approximate only and are given to provide a common basis for tendering. Payment will be made according to the quantities of each item of work actually carried out at the accepted rates as per Order Letter.
- 8.3 This being an **item wise tender**, the Bidder shall quote his **rates against individual item on line** based on his own analysis.

The Tender Price thus established would be taken for comparative evaluation, subject to the relevant provisions of the tender.

\* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \*

# **BILL OF QUANTITIES (UN-PRICED BID)**

# [BIDDERS NOT TO QUOTE HERE]

SI. No.	Description	Qty.	Unit	Offered Specification (If specification is same please write "Yes" with the name of make/brand) No other specification will be accepted.
Α	GLAND PACKING OF SIZES			
1	16MM	450	М	
2	10 MM (GRAPHITED ASBESTOS)	30	М	
3	12.5 MM (GRAPHITED ASBESTOS)	100	Kg	
4	14 MM (GRAPHITED ASBESTOS)	20	Kg	
В	H. T. HEXA. HD. FULL THREADED / MS HEXA. HD NUTS & BOLTS OF SIZES			
5	H.T. HEX. HD. FULL THREADED NUT & BOLT 8 MM X 62 MM	100	No.	
6	H.T. HEX. HD. FULL THREADED NUT & BOLT 8 MM X 100 MM	100	No.	
7	BOLTS & NUTS HEX. HEAD (MS) 16MM X 65MM	200	No.	
8	BOLTS & NUTS HEX. HEAD (M.S)16MM X 75MM	200	No.	
9	BOLTS & NUTS HEX. HEAD (MS) 20MM X 65MM	350	No.	
10	BOLTS & NUTS (MS) WITH WASHER 20MM X100MM	200	No.	
С	GI WASHER			
11	G.I. WASHER FOR 15MM DIA. NUT	200	No.	
D	MS / GI HOOK			
12	HOOK (MS) 50 MM	100	No.	
13	HOOK (MS) 32 MM	30	No.	
14	HOOK GI FOR 15MM DIA PIPE	1100	No.	
15	HOOK GI FOR 20MM DIA PIPE	100	No.	
16	HOOK GI FOR 40MM DIA PIPE	10	No.	
E	WATER METER			
17	WATER METER 80 MM	5	No.	
18	WATER METER HELICAL TYPE 150MM	30	No.	
19	WHITE ZINC	60	Kg	

F	GI Elbow of Nominal dia. with ISI mark, IS:1879 (2010)			
20	ELBOW (GI) 15MM DIA	400	No.	
21	ELBOW (GI) 25 MM DIA	350	No.	
22	ELBOW (GI) 32 MM DIA	200	No.	
23	ELBOW (GI) 40 MM DIA	60	No.	
24	ELBOW (GI) 50 MM DIA	20	No.	
G	GI Reducing Elbow of Nominal dia. with ISI mark, IS: 1879 (2010)			
25	ELBOW REDUCING GI 15MMX20 MM	50	No.	
26	ELBOW REDUCING (GI) 25MM X 32MM	30	No.	
27	ELBOW REDUCING GI 32MM X 40MM	20	No.	
28	ELBOW REDUCING GI 50MM X 32MM	10	No.	
Н	GI Tee of Nominal dia. with ISI mark, IS:1879 (2010)			
29	TEE (G.I) 15 MM DIA	200	No.	
30	TEE (GI) 20 MM DIA	50	No.	
31	TEE (GI) 25 MM DIA	50	No.	
I	GI Socket of Nominal dia. with ISI mark, IS:1879 (2010)			
32	SOCKET (GI) 20 MM DIA	30	No.	
33	SOCKET (G.I) 32 MM DIA	50	No.	
J	GI Reducing Socket of Nominal dia. with ISI mark, IS: 1879 (2010)			
34	SOCKET REDUCING (GI) 25 MM DIA x 32 MM LONG	20	No.	
35	SOCKET REDUCING GI 25MM X 20MM	50	No.	
36	SOCKET REDUCING (GI) 50MM X 40MM	35	No.	
K	GI PLUG			
37	15 MM DIA	60	No.	
38	20 MM DIA (SOLID)	50	No.	
39	25 MM DIA	20	No.	
40	40 MM DIA (SOLID)	30	No.	
L	GI UNION WITH THREADED			
41	25 MM DIA	40	No.	
42	32 MM DIA	40	No.	
43	40 MM DIA	10	No.	
	1		1	

	GI FLANGE OF NOMINAL DIA.		
44	50 MM DIA	50	No.
45	80 MM DIA	10	No.
M	G.I.Pipe (Medium) Threaded on both end with one socket on one end with IS: Mark (IS-1239, Part-1 of 1990) and Galvinizing Zinc Coating shall be accordance with IS:4736 (Latest Revision) of nominal dia.		
46	15MM.	96	M
47	20MM	24	M
48	25 MM.	76	M
49	32 MM.	48	M
N	PVC Pipe of Medium Grade as per ASTM D-1785, Schedule -80 of nominal dia.		
50	32 MM DIA.	250	M
51	40 MM DIA	550	M
52	25MM	550	M
53	80MM DIA	30	M
54	20MM DIA	650	M
55	15MM DIA.	800	M
0	Chlorinated Polyvinyle Chloride (CPVC) fittings for CPVC pipes conforming to IS: 2007 Class I, SDR – 11.		
56	15MM CPVC SOCKET	220	No.
57	20MM CPVC SOCKET	230	No.
58	25MM CPVC SOCKET	200	No.
59	15MM CPVC EQUAL TEE	250	No.
60	20MM CPVC EQUAL TEE	250	No.
61	25MM CPVC EQUAL TEE	220	No.
62	REDUCING SOCKET 20MMX15MM	350	No.
63	REDUCING SOCKET 25 MM X 15 MM	350	No.
64	REDUCING SOCKET 25 MM X 20 MM	200	No.
65	REDUCING ELBOW 20 MM X 15 MM	300	No.
66	REDUCING ELBOW 25 MM X 20 MM	220	No.
67	REDUCING BUSH 20 MM X 15 MM	350	No.
68	REDUCING BUSH 25 MM X 15 MM	220	No.
69	REDUCING BUSH 25 MM X 20 MM	220	No.

70	REDUCING BUSH 32 MM X 15 MM	150	No.
71	REDUCING BUSH 32 MM X 20 MM	150	No.
72	REDUCING BUSH 32 MM X 25 MM	150	No.
73	REDUCING BUSH 40 MM X 15 MM	150	No.
74	REDUCING BUSH 40 MM X 20 MM	150	No.
75	15 MM END CAP	150	No.
76	20 MM END CAP	110	No.
77	STEP OVER BEND 15 MM	220	No.
78	STEP OVER BEND 20 MM	150	No.
79	STEP OVER BEND 25 MM	80	No.
80	TANK CONNECTING NIPPLE 20MM	150	No.
81	TANK CONNECTING NIPPLE 25MM	80	No.
82	MALE THREADED ADOPTER 15MM	350	No.
83	MALE THREADED ADOPTER 20 MM	220	No.
84	MALE THREADED ADOPTER 25 MM	220	No.
85	90 DEGREE ELBOW 15 MM	250	No.
86	90 DEGREE ELBOW 20 MM	220	No.
87	90 DEGREE ELBOW 25 MM	150	No.
88	45 DEGREE ELBOW 15 MM	250	No.
89	45 DEGREE ELBOW 20 MM	250	No.
90	45 DEGREE ELBOW 25 MM	150	No.
91	CROSS TEE 15 MM	300	No.
92	CROSS TEE 20 MM	250	No.
93	CROSS TEE 25 MM	170	No.
94	UNION 15 MM	300	No.
95	UNION 20 MM	170	No.
96	UNION 25 MM	200	No.
97	REDUCING TEE 15 MM X 15 MM X 20 MM	300	No.
98	REDUCING TEE 20 MM X 15 MM X 15 MM	250	No.
99	REDUCING TEE 20 MM X 15 MM X 20 MM	220	No.
100	REDUCING TEE 20 MM X 20 MM X 15 MM	200	No.
101	REDUCING TEE 25 MM X 25 MM X 20 MM	150	No.
102	REDUCING TEE 25 MM X 20 MM X 20 MM	120	No.
103	REDUCING TEE 25 MM X 25 MM X 15 MM	100	No.
104	15 MM STOPPER PLUG	150	No.
105	20 MM STOPPER PLUG	150	No.

106	TRANSITION BUSH 20 MM GIS TO 20 MM CTS	300	No.
107	TRANSITION BUSH 25 MM GIS TO 25 MM CTS	220	No.
108	FEMALE THREADED ADOPTER 15 MM	300	No.
109	FEMALE THREADED ADOPTER 20 MM	250	No.
110	FEMALE THREADED ADOPTER 25 MM	150	No.
111	MALE THREADED ADOPTER BRASS THREADED 15 MM	300	No.
112	MALE THREADED ADOPTER BRASS THREADED 20 MM	230	No.
113	MALE THREADED ADOPTER BRASS THREADED 25 MM	150	No.
114	MALE THREADED ADOPTER BRASS THREADED 20MM X 15 MM	200	No.
115	MALE THREADED ADOPTER BRASS THREADED 25 MM X 20 MM	150	No.
116	FEMALE THREADED ADOPTER BRASS THREADED 15 MM	300	No.
117	FEMALE THREADED ADOPTER BRASS THREADED 20 MM	230	No.
118	FEMALE THREADED ADOPTER BRASS THREADED 25 MM	170	No.
119	FEMALE THREADED ADOPTER BRASS THREADED 20 MM X 15 MM	170	No.
120	FEMALE THREADED ADOPTER BRASS THREADED 25 MM X 20 MM	160	No.
121	FEMALE ELBOW BRASS THREADED 15 MM	300	No.
122	FEMALE ELBOW BRASS THREADED 20 MM	230	No.
123	FEMALE ELBOW BRASS THREADED 20 MM X 15 MM	180	No.
124	FEMALE ELBOW BRASS THREADED 25 MM X 15 MM	180	No.
125	MALE ELBOW BRASS THREADED 15 MM	300	No.
126	MALE ELBOW BRASS THREADED 20 MM	230	No.
127	MALE ELBOW BRASS THREADED 20 MM X 15 MM	180	No.
128	MALE ELBOW BRASS THREADED 25 MM X 15 MM	180	No.
129	FEMALE TEE BRASS THREADED 15 MM	220	No.
130	FEMALE TEE BRASS THREADED 20 MM X 15 MM	220	No.
131	FEMALE TEE BRASS THREADED 25 MM X 15 MM	220	No.

Contd next page

Р	GI Short Piece		
132	15MMX75MM Long.	600	No.
133	32MMX75MM Long.	50	No.
134	25MMX75MM Long.	15	No.
135	15MM X 50MM Long.	500	No.
136	25MM X 50MM Long.	250	No.
137	32MM DIA X 50MM Long.	30	No.
138	20MMX50MM Long.	50	No.
139	32MM x 150MM Long.	50	No.
Q	GI LONG SCREW WITH JUM NUT		
140	LONG SCREW GI WITH FITTINGS 20MMX150MM	10	No.
141	LONG SCREW GI WITH FITTINGS 32MMX150MM	40	No.
R	Valve (Ball), CPVC (Threaded), ASTM D-1784		
142	BALL VALVE PVC (THREADED) 15MM	100	No.
143	BALL VALVE PVC (THREADED) 20MM	170	No.
144	BALL VALVE PVC (THREADED) 32MM	250	No.
145	BALL VALVE PVC (THREADED) 40MM	300	No.
S	Cistern, Sink, Waste Coupling, Waste CP, Connecting Pipe, Pocelain D/Board, Washer Coupling, Connecting Rod, Chain, Leather Bucket etc for		
146	CISTERN LOW DOWN (PVC) 10 LTS.	160	No.
147	SINK MOSAIC (600 MM X 400 MM X 200MM)	10	No.
148	WASTE COUPLING FOR BASIN 32MM SIZE CAT NO. 709	75	No.
149	WASTE CP 40MM	10	No.
150	CONNECTOR PIPE, PTMT 15MM DIA X 450MM LONG	100	No.
151	PORCELINE DRAINING BOARD 450 mm X 600mm	15	No.
152	WASHER FOR P.V.C. LOW DOWN CISTERN (FLUSHING CISTERN).	300	No.
153	WASHER FOR LOW DOWN CISTERN (FLOAT VALVE)	300	No.
154	COUPLING PVC 50MM	40	No.
155	WASTE COUPLING PTMT 32MM	50	No.
156	Gunmetal 63 mm Double Controlled Hydrant Valve (Landing Valve) as per IS:5290 Type-B with ISI mark.	15	No.

157	CONNECTING ROD (12MM DIA 10' LONG) FOR DINCO (TUBE WELL)	60	No.
158	CHAIN FOR DINCO HAND TUBE WELL	15	No.
159	LEATHER BUCKET FOR HAND PUMP NO 6 (TUBE WELL)	10	No.
160	CYLINDER 65MM FOR DINCO TUBE WELL PUMP	10	No.
161	HACK SAW BLADE (HIGH SPEED) 12MM x 300MM	600	No.
Т	Thread Cutting DIE BIT for GI Pipe of Nominal Dia.		
162	40MM	25	Set
163	50MM	25	Set
164	15MM to 25MM.	30	Set
165	20 MM	150	Set
166	32MM	25	Set
167	25MM	25	Set
U	Stop Cock / BIB Cock / Inner / Push Cock / Washer for		
168	STOP COCK CP 20MM DIA	120	No.
169	INNER BRASS (MEDIUM)	50	No.
170	BIB COCK(C.P.) 15 MM DIA	60	No.
171	BIB COCK (BRASS) 15MM with ISI Mark.	10	No.
172	BIB COCK (PVC) 15MM with ISI Mark	520	No.
173	STOP COCK (C.P) 15 MM	20	No.
174	STOP COCK PTMT SYMET 20MM DIA	20	No.
175	STOP COCK (BRASS) 15 MM	10	No.
176	COCK STOP (PVC) 15 MM	40	No.
177	PUSH COCK PTMT SYMET 15MM DIA	140	No.
178	WASHER (NYLON ) WITH BRASS VALVE 20MM	230	No.
V	Valve (Fullway) Brass with ISI mark, IS: 778 Class-1		
179	FULLWAY VALVE BRASS 20MM	10	No.
180	FULLWAY VALVE BRASS 25MM	60	No.
181	FULL WAY VALVE (BRASS) 32MM	25	No.
182	FULLWAY VALVE BRASS 40MM	10	No.
183	FULLWAY VALVE BRASS 50MM	20	No.
184	FULLWAY VALVE BRASS 80MM	15	No.

W	PVC PIPE SHORT PIECE			
185	PVC PIPE (DOUBLE SOCKETED) 110MM DIA X 0.90M LONG	10	No.	
186	PVC PIPE (DOUBLE SOCKETED) 110MM DIA X 1.2M LONG	130	No.	
187	CLAMP MS FOR AC PIPE100MM DIA	70	No.	
188	CLAMP MS FOR AC PIPE 150MM DIA	10	No.	
189	BRUSH WIRE 150MM X 60MM	60	No.	

Signature of Tenderer with Office Seal

#### **DECLARATION OF THE BIDDER**

FORMAT FOR SUBMITTING DECLARATION REGARDING BANNING / DELISTING, BIDDING DOCUMENTS DOWNLOADED FROM WEBSITE, PRICE SCHEDULE, ETC.

[To be printed on the bidder's Letter Head duly filled and uploaded after seal & signing]

To, Sr. Dy. Manager (MM) Haldia Dock Complex; Kolkata Port Trust.

#### Name of Work:

PROCUREMENT OF "VARIOUS TYPES OF PLUMBING MATERIALS ON ANNUAL CONTRACT BASIS (as per the Bill of Quantities) to Haldia Dock Complex, Haldia.

Tender No.: HDC/MM/OT-19/42/34

E-Tender No.: KoPT/Haldia Dock Complex/MM Div/12/18-19/ET/322

I....., the authorized signatory of the ......(Name of the Company /Firm) do hereby declare / confirm that :

- \* I / We have not been debarred or de-listed by any Government or Quasi-Government Agencies or Public Sector Undertaking in India.
- I / We have examined carefully, read and understood the above Terms and Conditions, Specifications and General Conditions of Contract. I / We hereby tender and undertake to execute and complete all the works required to be performed in accordance with the Specifications, Bill of Quantities, General Conditions of the Contract and the Terms and Conditions as stated in the Tender and at rates and prices set out in the annexed Bill of Quantities within the time period as stated in the Tender. In the event of our Tender being accepted in full or, in part, I / we also hereby agree that the said Tender, Specifications, Bill of Quantities, General Conditions of Contract and the Terms and Conditions as stated in the Tender together with the acceptance thereof in writing by or, on behalf of the Trustees' shall form the Contract. I / we have not made any addition / modification / alteration in the Bidding Documents hosted in the websites.

I / We have deposited Requisite Earnest Money.

OR

- I / We have submitted documentary evidences for Micro & Small Enterprises (MSEs) registered with NSIC (under single point registration scheme) as per tender condition. The offered prices would be given in the "Price Bid ( Part-II)" electronically, through the website of MSTC Ltd. only.
- I / We agree that the period for which the Tender shall remain open for acceptance shall not be less than 120 days.

I/We have not made any addition/ modifications/alteration in the Bidding Documents hosted in the websites.

I/We have submitted all the documents applicable as per Annexure-II.

The offered prices would be given in the "Price Bid (section)" electronically, through the Website of MSTC Ltd. only.

# Signature of authorized person of the bidder (With office seal)

\* In case the firm has been debarred or de-listed by any Government or Quasi-Government Agencies or Public Sector Undertaking in India, then the same should be declared properly, after modifying the sentence, suitably.

#### **ANNEXURE-11**

## **BIDDER'S INFORMATION**

(To be printed on the bidder's Letter Head dully filled scanned and uploaded after seal and signature)

#### **GENERAL INFORMATION OF THE BIDDER**

The bidder must submit the information in this format.

1.	auth	ormation regarding bidder's norized representative(s) / contact son(s)	
	a )	Name(s)	
	b)	Address(es)	
	c )	Telephone number(s)	
	d )	Facsimile number(s)	
	e )	Electronic mail address	
2.	a )	Address of the branch office, if any	
	b)	Name of the contact person at branch office	
	c)	Telephone number(s)	
	d )	Facsimile number(s)	
	e )	Electronic mail address	
3.	Firm	ether the bidder is a Proprietorship n or Partnership Firm or Limited npany	
4.	Details of the Banker(s):		
a )	Nan	ne of the Banker(s) in full.	
b)	Add	ress(es) of the Banker(s)	
c)	Tele	ephone number(s)	

## Annexure-II

d)	Fac	Facsimile number(s)		
e)	Elec	ctronic mail address		
f)	Nan	ne(s) of the contact person(s)		
5.	Ban	k details for ECS payment :		
	a)	Bank Account number		
	b)	Name of the bank		
	c)	Name of the branch		
	d)	Address of the branch		
	e)	IFSC		
6.	GST	Registration Number		

Signature of Tenderer with Office Seal

Contd next page

## TO INDICATE THE FOLLOWING DETAILS OF GST:

(To be printed on the bidder's Letter Head duly filled scanned and uploaded after seal and signature)

SI. No.	Description	HSN Code	GST Rate (In %)		)
			CGST Rate	CGST Rate	CGST Rate
Α	GLAND PACKING OF SIZES				
1	16MM				
2	10 MM (GRAPHITED ASBESTOS)				
3	12.5 MM (GRAPHITED ASBESTOS)				
4	14 MM (GRAPHITED ASBESTOS)				
В	H. T. HEXA. HD. FULL THREADED / MS HEXA. HD NUTS & BOLTS OF SIZES				
5	H.T. HEX. HD. FULL THREADED NUT & BOLT 8 MM X 62 MM				
6	H.T. HEX. HD. FULL THREADED NUT & BOLT 8 MM X 100 MM				
7	BOLTS & NUTS HEX. HEAD (MS) 16MM X 65MM				
8	BOLTS & NUTS HEX. HEAD (M.S)16MM X 75MM				
9	BOLTS & NUTS HEX. HEAD (MS) 20MM X 65MM				
10	BOLTS & NUTS (MS) WITH WASHER 20MM X100MM				
С	GI WASHER				
11	G.I. WASHER FOR 15MM DIA. NUT				
D	MS / GI HOOK				
12	HOOK (MS) 50 MM				
13	HOOK (MS) 32 MM				
14	HOOK GI FOR 15MM DIA PIPE				
15	HOOK GI FOR 20MM DIA PIPE				
16	HOOK GI FOR 40MM DIA PIPE				
E	WATER METER				
17	WATER METER 80 MM				
18	WATER METER HELICAL TYPE 150MM				
19	WHITE ZINC				

Contd next page

20 ELBOW (GI) 15MM DIA 21 ELBOW (GI) 25 MM DIA 22 ELBOW (GI) 32 MM DIA 23 ELBOW (GI) 32 MM DIA 24 ELBOW (GI) 50 MM DIA 25 ELBOW (GI) 50 MM DIA 26 GI Reducing Elbow of Nominal dia. with ISI mark, IS: 1879 (2010) 25 ELBOW REDUCING (GI) 25MM X 32MM 26 ELBOW REDUCING (GI) 25MM X 32MM 27 ELBOW REDUCING GI 32MM X 40MM 28 ELBOW REDUCING GI 50MM X 32MM 4 GI Tee of Nominal dia. with ISI mark, IS:1879 (2010) 29 TEE (G.) 15 MM DIA 30 TEE (GI) 20 MM DIA 31 TEE (GI) 20 MM DIA 31 TEE (GI) 25 MM DIA 32 SOCKET (GI) 20 MM DIA 33 SOCKET (GI) 20 MM DIA 34 SOCKET (G.I) 32 MM DIA 35 SOCKET (G.I) 32 MM DIA 46 SOCKET REDUCING (GI) 50MM X 40MM 56 SOCKET REDUCING (GI) 50MM X 40MM 67 SOCKET REDUCING (GI) 37 SOMM DIA 38 SOCKET REDUCING (GI) 50MM X 40MM 68 GI PLUG 37 15 MM DIA 38 20 MM DIA (SOLID) 39 25 MM DIA (SOLID) 40 MM DIA (SOLID) 41 25 MM DIA (SOLID) 42 SOMM DIA (SOLID) 44 OM MD DIA (SOLID) 45 MM DIA (SOLID) 46 GI UNION WITH THREADED 47 SOMM DIA (SOLID) 48 SOMM DIA (SOLID)	F	GI Elbow of Nominal dia. with ISI mark, IS:1879 (2010)		
22 ELBOW (GI) 32 MM DIA 23 ELBOW (GI) 40 MM DIA 24 ELBOW (GI) 50 MM DIA 25 ELBOW (GI) 50 MM DIA  G GI Reducing Elbow of Nominal dia. with 1SI mark, 1S: 1879 (2010) 25 ELBOW REDUCING (GI) 25MM X 32MM 26 ELBOW REDUCING GI 32MM X 40MM 27 ELBOW REDUCING GI 50MM X 32MM 28 ELBOW REDUCING GI 50MM X 32MM 4 GI Tee of Nominal dia. with 1SI mark, 1S:1879 (2010) 29 TEE (G.I) 15 MM DIA 30 TEE (GI) 20 MM DIA 31 TEE (GI) 25 MM DIA 31 TEE (GI) 25 MM DIA 31 GI Socket of Nominal dia. with 1SI mark, 1S:1879 (2010) 32 SOCKET (GI) 20 MM DIA 33 SOCKET (GI) 32 MM DIA 34 SOCKET (GI) 32 MM DIA 35 SOCKET REDUCING (GI) 25 MM X 20MM 36 SOCKET REDUCING (GI) 35 MM X 20MM 37 TE MM DIA X 32 MM LONG 38 SOCKET REDUCING (GI) 50MM X 40MM 40 GI PLUG 37 TE MM DIA 40 40 MM DIA (SOLID) 41 LEMON SITH THREADED 41 LEMON SITH THREADED	20	ELBOW (GI) 15MM DIA		
23 ELBOW (GI) 40 MM DIA 24 ELBOW (GI) 50 MM DIA  G GI Reducing Elbow of Nominal dia. with ISI mark, IS: 1879 (2010)  25 ELBOW REDUCING GI 15MMX20 MM  26 ELBOW REDUCING GI) 25MM X 32MM  27 ELBOW REDUCING GI 32MM X 40MM  28 ELBOW REDUCING GI 50MM X 32MM  H GI Tee of Nominal dia. with ISI mark, IS:1879 (2010)  29 TEE (G.I) 15 MM DIA  30 TEE (GI) 20 MM DIA  31 TEE (GI) 25 MM DIA  I GI Socket of Nominal dia. with ISI mark, IS:1879 (2010)  32 SOCKET (GI) 20 MM DIA  33 SOCKET (GI) 32 MM DIA  J GI Reducing Socket of Nominal dia. with ISI mark, IS: 1879 (2010)  34 SOCKET (GI) 32 MM DIA  5 SOCKET REDUCING (GI) 25 MM DIA 32 MM LONG  35 SOCKET REDUCING (GI) 25 MM DIA 32 MM LONG  36 SOCKET REDUCING (GI) 50MM X 40MM  K GI PLUG  37 15 MM DIA 38 20 MM DIA (SOLID)  39 25 MM DIA (SOLID)  L GI UNION WITH THREADED	21	ELBOW (GI) 25 MM DIA		
24 ELBOW (GI) 50 MM DIA  G GI Reducing Elbow of Nominal dia. with ISI mark, IS: 1879 (2010)  25 ELBOW REDUCING GI 15MMX20 MM  26 ELBOW REDUCING GI 32MM X 32MM  27 ELBOW REDUCING GI 50MM X 32MM  28 ELBOW REDUCING GI 50MM X 32MM  H GI Tee of Nominal dia. with ISI mark, IS:1879 (2010)  29 TEE (G.I) 15 MM DIA  30 TEE (GI) 20 MM DIA  1 GI Socket of Nominal dia. with ISI mark, IS:1879 (2010)  32 SOCKET (GI) 20 MM DIA  33 SOCKET (GI) 32 MM DIA  J GI Reducing Socket of Nominal dia. with ISI mark, IS:1879 (2010)  34 SOCKET (GI) 32 MM DIA  5 SOCKET REDUCING (GI)  25 MM DIA 32 MM LONG  35 SOCKET REDUCING (GI)  36 SOCKET REDUCING GI 25MM X 20MM  5 SOCKET REDUCING GI 25MM X 20MM  K GI PLUG  37 15 MM DIA  38 20 MM DIA (SOLID)  40 40 MM DIA (SOLID)  L GI UNION WITH THREADED	22	ELBOW (GI) 32 MM DIA		
G GI Reducing Elbow of Nominal dia. with ISI mark,IS: 1879 (2010)  25 ELBOW REDUCING GI 15MMX20 MM  26 ELBOW REDUCING GI 32MM X 32MM  27 ELBOW REDUCING GI 32MM X 40MM  28 ELBOW REDUCING GI 50MM X 32MM  H GI Tee of Nominal dia. with ISI mark, IS:1879 (2010)  29 TEE (G.I) 15 MM DIA  30 TEE (GI) 25 MM DIA  1 GI Socket of Nominal dia. with ISI mark, IS:1879 (2010)  32 SOCKET (GI) 20 MM DIA  33 SOCKET (GI) 20 MM DIA  J GI Reducing Socket of Nominal dia. with ISI mark,IS: 1879 (2010)  34 SOCKET REDUCING (GI)  25 MM DIA x 32 MM LONG  35 SOCKET REDUCING GI 25MM X 20MM  K GI PLUG  37 15 MM DIA  38 20 MM DIA (SOLID)  L GI UNION WITH THREADED  41 25 MM DIA WITH THREADED	23	ELBOW (GI) 40 MM DIA		
## With ISI mark,IS: 1879 (2010)  25	24	ELBOW (GI) 50 MM DIA		
26 ELBOW REDUCING (GI) 25MM X 32MM  27 ELBOW REDUCING GI 32MM X 40MM  28 ELBOW REDUCING GI 50MM X 32MM  H GI Tee of Nominal dia. with ISI mark, IS:1879 (2010)  29 TEE (G.I.) 15 MM DIA  30 TEE (GI) 20 MM DIA  31 TEE (GI) 25 MM DIA  1 GI Socket of Nominal dia. with ISI mark, IS:1879 (2010)  32 SOCKET (GI) 20 MM DIA  33 SOCKET (GI) 20 MM DIA  34 SOCKET (G.I.) 32 MM DIA  J GI Reducing Socket of Nominal dia. with ISI mark, IS: 1879 (2010)  34 SOCKET REDUCING (GI) 25 MM DIA  35 SOCKET REDUCING (GI) 50MM X 40MM  K GI PLUG  37 15 MM DIA  38 20 MM DIA (SOLID)  40 40 MM DIA (SOLID)  L GI UNION WITH THREADED	G			
27 ELBOW REDUCING GI 32MM X 40MM  28 ELBOW REDUCING GI 50MM X 32MM  H GI Tee of Nominal dia. with ISI mark, IS:1879 (2010)  29 TEE (G.I) 15 MM DIA  30 TEE (GI) 20 MM DIA  31 TEE (GI) 25 MM DIA  I GI Socket of Nominal dia. with ISI mark, IS:1879 (2010)  32 SOCKET (GI) 20 MM DIA  33 SOCKET (GI) 20 MM DIA  J GI Reducing Socket of Nominal dia. with ISI mark, IS: 1879 (2010)  34 SOCKET REDUCING (GI) 25 MM DIA x 32 MM LONG  35 SOCKET REDUCING (GI) 50MM X 40MM  K GI PLUG  37 15 MM DIA  38 20 MM DIA (SOLID)  40 40 MM DIA (SOLID)  L GI UNION WITH THREADED	25	ELBOW REDUCING GI 15MMX20 MM		
## BLIBOW REDUCING GI 50MM X 32MM  ## GI Tee of Nominal dia. with ISI mark, IS:1879 (2010)  ## 29 TEE (G.I.) 15 MM DIA  ## 30 TEE (GI) 20 MM DIA  ## 31 TEE (GI) 25 MM DIA  ## 31 GI Socket of Nominal dia. with ISI mark, IS:1879 (2010)  ## 32 SOCKET (GI) 20 MM DIA  ## 33 SOCKET (G.I.) 32 MM DIA  ## 33 SOCKET (G.I.) 32 MM DIA  ## 34 SOCKET REDUCING (GI) 25 MM DIA x 32 MM LONG  ## 35 SOCKET REDUCING GI 25MM X 20MM  ## 36 SOCKET REDUCING GI 25MM X 40MM  ## 40 MM DIA (SOLID)  ## 40 MM DIA (SOLID)  ## 41 25 MM DIA  ## 41 25 MM DIA	26	ELBOW REDUCING (GI) 25MM X 32MM		
H   GI Tee of Nominal dia. with ISI mark, IS:1879 (2010)	27	ELBOW REDUCING GI 32MM X 40MM		
IS:1879 (2010)   29   TEE (G.I) 15 MM DIA     30   TEE (GI) 20 MM DIA     31   TEE (GI) 25 MM DIA     4   GI Socket of Nominal dia. with ISI mark, IS:1879 (2010)     32   SOCKET (GI) 20 MM DIA     33   SOCKET (G.I) 32 MM DIA     4   GI Reducing Socket of Nominal dia. with ISI mark,IS: 1879 (2010)     34   SOCKET REDUCING (GI)	28	ELBOW REDUCING GI 50MM X 32MM		
30 TEE (GI) 20 MM DIA 31 TEE (GI) 25 MM DIA  I GI Socket of Nominal dia. with ISI mark, IS:1879 (2010)  32 SOCKET (GI) 20 MM DIA  33 SOCKET (G.I) 32 MM DIA  J GI Reducing Socket of Nominal dia. with ISI mark, IS: 1879 (2010)  34 SOCKET REDUCING (GI) 25 MM DIA 25 MM DIA 32 MM LONG  35 SOCKET REDUCING GI 25 MM X 20 MM  K GI PLUG  37 15 MM DIA  38 20 MM DIA (SOLID)  39 25 MM DIA (SOLID)  L GI UNION WITH THREADED	Н			
31 TEE (GI) 25 MM DIA  I GI Socket of Nominal dia. with ISI mark, IS:1879 (2010)  32 SOCKET (GI) 20 MM DIA  33 SOCKET (G.I) 32 MM DIA  J GI Reducing Socket of Nominal dia. with ISI mark, IS: 1879 (2010)  34 SOCKET REDUCING (GI) 25 MM DIA X 32 MM LONG  35 SOCKET REDUCING GI 25MM X 20MM  36 SOCKET REDUCING (GI) 50MM X 40MM  K GI PLUG  37 15 MM DIA  38 20 MM DIA (SOLID)  39 25 MM DIA  40 40 MM DIA (SOLID)  L GI UNION WITH THREADED	29	TEE (G.I) 15 MM DIA		
GI Socket of Nominal dia. with 1SI mark, 1S:1879 (2010)	30	TEE (GI) 20 MM DIA		
with ISI mark, IS:1879 (2010)	31	TEE (GI) 25 MM DIA		
33 SOCKET (G.I) 32 MM DIA  J GI Reducing Socket of Nominal dia. with ISI mark,IS: 1879 (2010)  34 SOCKET REDUCING (GI) 25 MM DIA x 32 MM LONG  35 SOCKET REDUCING GI 25MM X 20MM  36 SOCKET REDUCING (GI) 50MM X 40MM  K GI PLUG  37 15 MM DIA  38 20 MM DIA (SOLID)  39 25 MM DIA (SOLID)  L GI UNION WITH THREADED	I			
J   GI Reducing Socket of Nominal dia.   with ISI mark,IS: 1879 (2010)     34	32	SOCKET (GI) 20 MM DIA		
with ISI mark, IS: 1879 (2010)         34       SOCKET REDUCING (GI)         25 MM DIA x 32 MM LONG         35       SOCKET REDUCING GI 25MM X 20MM         36       SOCKET REDUCING (GI) 50MM X 40MM         K       GI PLUG         37       15 MM DIA         38       20 MM DIA (SOLID)         39       25 MM DIA         40       40 MM DIA (SOLID)         L       GI UNION WITH THREADED         41       25 MM DIA	33	SOCKET (G.I) 32 MM DIA		
25 MM DIA x 32 MM LONG  35 SOCKET REDUCING GI 25MM X 20MM  36 SOCKET REDUCING (GI) 50MM X 40MM  K GI PLUG  37 15 MM DIA  38 20 MM DIA (SOLID)  39 25 MM DIA  40 40 MM DIA (SOLID)  L GI UNION WITH THREADED	J			
36 SOCKET REDUCING (GI) 50MM X 40MM  K GI PLUG  37 15 MM DIA  38 20 MM DIA (SOLID)  39 25 MM DIA  40 40 MM DIA (SOLID)  L GI UNION WITH THREADED  41 25 MM DIA	34			
K       GI PLUG         37       15 MM DIA         38       20 MM DIA (SOLID)         39       25 MM DIA         40       40 MM DIA (SOLID)         L       GI UNION WITH THREADED         41       25 MM DIA	35	SOCKET REDUCING GI 25MM X 20MM		
37 15 MM DIA	36	SOCKET REDUCING (GI) 50MM X 40MM		
38	K	GI PLUG		
39	37	15 MM DIA		
40 40 MM DIA (SOLID)  L GI UNION WITH THREADED  41 25 MM DIA	38	20 MM DIA (SOLID)		
L GI UNION WITH THREADED  41 25 MM DIA	39	25 MM DIA		
41 25 MM DIA	40	40 MM DIA (SOLID)		
	L	GI UNION WITH THREADED		
42   32 MM DIA	41	25 MM DIA		
	42	32 MM DIA		
43 40 MM DIA	43	40 MM DIA		

	GI FLANGE OF NOMINAL DIA.		
44	50 MM DIA		
45	80 MM DIA		
M	G.I.Pipe (Medium) Threaded on both end with one socket on one end with IS: Mark (IS-1239, Part-1 of 1990) and Galvinizing Zinc Coating shall be accordance with IS:4736 (Latest Revision) of nominal dia.		
46	15MM.		
47	20MM		
48	25 MM.		
49	32 MM.		
N	PVC Pipe of Medium Grade as per ASTM D-1785, Schedule -80 of nominal dia.		
50	32 MM DIA.		
51	40 MM DIA		
52	25MM		
53	80MM DIA		
54	20MM DIA		
55	15MM DIA.		
0	Chlorinated Polyvinyle Chloride (CPVC) fittings for CPVC pipes conforming to IS: 2007 Class I, SDR – 11.		
56	15MM CPVC SOCKET		
57	20MM CPVC SOCKET		
58	25MM CPVC SOCKET		
59	15MM CPVC EQUAL TEE		
60	20MM CPVC EQUAL TEE		
61	25MM CPVC EQUAL TEE		
62	REDUCING SOCKET 20MMX15MM		
63	REDUCING SOCKET 25 MM X 15 MM		
64	REDUCING SOCKET 25 MM X 20 MM		
65	REDUCING ELBOW 20 MM X 15 MM		
66	REDUCING ELBOW 25 MM X 20 MM		
67	REDUCING BUSH 20 MM X 15 MM		
68	REDUCING BUSH 25 MM X 15 MM		
69	REDUCING BUSH 25 MM X 20 MM		
70	REDUCING BUSH 32 MM X 15 MM		

72 REDUCING BUSH 32 MM X 25 MM 73 REDUCING BUSH 40 MM X 15 MM 74 REDUCING BUSH 40 MM X 20 MM 75 15 MM END CAP 76 20 MM END CAP 77 STEP OVER BEND 15 MM 80 TANK CONNECTING NIPPLE 20MM 81 TANK CONNECTING NIPPLE 25MM 82 MALE THREADED ADOPTER 25 MM 83 MALE THREADED ADOPTER 25 MM 84 MALE THREADED ADOPTER 25 MM 85 90 DEGREE ELBOW 25 MM 86 90 DEGREE ELBOW 25 MM 87 90 DEGREE ELBOW 25 MM 88 45 DEGREE ELBOW 25 MM 89 45 DEGREE ELBOW 25 MM 90 GROSS TEE 25 MM 90 TORSS TEE 20 MM 91 CROSS TEE 20 MM 92 CROSS TEE 20 MM 93 CROSS TEE 20 MM 94 UNION 15 MM 95 UNION 25 MM 96 UNION 25 MM 97 REDUCING TEE 20 MM X 15 MM X 20 MM 99 REDUCING TEE 20 MM X 15 MM X 20 MM 99 REDUCING TEE 25 MM X 25 MM X 20 MM 100 REDUCING TEE 25 MM X 20 MM 101 REDUCING TEE 25 MM X 20 MM 102 REDUCING TEE 25 MM X 20 MM 103 REDUCING TEE 25 MM X 20 MM 104 15 MM X 20 MM X 20 MM 105 REDUCING TEE 25 MM X 20 MM 106 REDUCING TEE 25 MM X 20 MM 107 REDUCING TEE 25 MM X 20 MM 108 REDUCING TEE 25 MM X 20 MM 109 REDUCING TEE 25 MM X 20 MM 100 REDUCING TEE 25 MM X 20 MM 101 REDUCING TEE 25 MM X 20 MM MM 102 REDUCING TEE 25 MM X 20 MM MM 104 15 MM STOPPER PLUG	71	REDUCING BUSH 32 MM X 20 MM		
74 REDUCING BUSH 40 MM X 20 MM 75 15 MM END CAP 76 20 MM END CAP 77 STEP OVER BEND 15 MM 78 STEP OVER BEND 15 MM 79 STEP OVER BEND 25 MM 80 TANK CONNECTING NIPPLE 20MM 81 TANK CONNECTING NIPPLE 25MM 82 MALE THREADED ADOPTER 15MM 83 MALE THREADED ADOPTER 20 MM 84 MALE THREADED ADOPTER 25 MM 85 90 DEGREE ELBOW 25 MM 86 90 DEGREE ELBOW 25 MM 87 90 DEGREE ELBOW 25 MM 88 45 DEGREE ELBOW 25 MM 99 45 DEGREE ELBOW 25 MM 90 CROSS TEE 15 MM 91 CROSS TEE 15 MM 92 CROSS TEE 20 MM 93 CROSS TEE 20 MM 94 UNION 15 MM 95 UNION 20 MM 96 UNION 25 MM 97 REDUCING TEE 20 MM X 15 MM X 15 MM 98 REDUCING TEE 20 MM X 15 MM X 15 MM 100 REDUCING TEE 25 MM X 20 MM 101 REDUCING TEE 25 MM X 20 MM 102 REDUCING TEE 25 MM X 20 MM 103 REDUCING TEE 25 MM X 20 MM 100 REDUCING TEE 25 MM X 20 MM 101 REDUCING TEE 25 MM X 20 MM	72	REDUCING BUSH 32 MM X 25 MM		
75	73	REDUCING BUSH 40 MM X 15 MM		
76	74	REDUCING BUSH 40 MM X 20 MM		
77 STEP OVER BEND 15 MM 78 STEP OVER BEND 20 MM 79 STEP OVER BEND 25 MM 80 TANK CONNECTING NIPPLE 20MM 81 TANK CONNECTING NIPPLE 25MM 82 MALE THREADED ADOPTER 15MM 83 MALE THREADED ADOPTER 20 MM 84 MALE THREADED ADOPTER 25 MM 85 90 DEGREE ELBOW 15 MM 86 90 DEGREE ELBOW 20 MM 87 90 DEGREE ELBOW 25 MM 88 45 DEGREE ELBOW 25 MM 89 45 DEGREE ELBOW 35 MM 90 45 DEGREE ELBOW 25 MM 91 CROSS TEE 15 MM 92 CROSS TEE 25 MM 93 CROSS TEE 25 MM 94 UNION 15 MM 95 UNION 20 MM 96 UNION 25 MM 97 REDUCING TEE 25 MM X 15 MM X 20 MM 98 REDUCING TEE 20 MM X 15 MM X 20 MM 100 REDUCING TEE 25 MM X 20 MM X 15 MM 101 REDUCING TEE 25 MM X 20 MM X 20 MM 102 REDUCING TEE 25 MM X 20 MM X 20 MM 103 REDUCING TEE 25 MM X 20 MM X 20 MM 100 REDUCING TEE 25 MM X 20 MM X 20 MM 100 REDUCING TEE 25 MM X 20 MM X 20 MM 100 REDUCING TEE 25 MM X 20 MM X 20 MM 100 REDUCING TEE 25 MM X 20 MM X 20 MM	75	15 MM END CAP		
78	76	20 MM END CAP		
79 STEP OVER BEND 25 MM 80 TANK CONNECTING NIPPLE 20MM 81 TANK CONNECTING NIPPLE 25MM 82 MALE THREADED ADOPTER 15MM 83 MALE THREADED ADOPTER 20 MM 84 MALE THREADED ADOPTER 25 MM 85 90 DEGREE ELBOW 15 MM 86 90 DEGREE ELBOW 20 MM 87 90 DEGREE ELBOW 25 MM 88 45 DEGREE ELBOW 25 MM 89 45 DEGREE ELBOW 20 MM 90 45 DEGREE ELBOW 20 MM 91 CROSS TEE 15 MM 92 CROSS TEE 15 MM 93 CROSS TEE 20 MM 94 UNION 15 MM 95 UNION 20 MM 96 UNION 25 MM 97 REDUCING TEE 20 MM X 15 MM X 20 MM 98 REDUCING TEE 20 MM X 15 MM X 20 MM 100 REDUCING TEE 20 MM X 20 MM 101 REDUCING TEE 25 MM X 20 MM 102 REDUCING TEE 25 MM X 20 MM 103 REDUCING TEE 25 MM X 20 MM 100 REDUCING TEE 25 MM X 20 MM 100 REDUCING TEE 25 MM X 20 MM	77	STEP OVER BEND 15 MM		
80 TANK CONNECTING NIPPLE 20MM 81 TANK CONNECTING NIPPLE 25MM 82 MALE THREADED ADOPTER 15MM 83 MALE THREADED ADOPTER 20 MM 84 MALE THREADED ADOPTER 25 MM 85 90 DEGREE ELBOW 15 MM 86 90 DEGREE ELBOW 20 MM 87 90 DEGREE ELBOW 25 MM 88 45 DEGREE ELBOW 25 MM 89 45 DEGREE ELBOW 20 MM 90 45 DEGREE ELBOW 25 MM 91 CROSS TEE 15 MM 92 CROSS TEE 15 MM 93 CROSS TEE 25 MM 94 UNION 15 MM 95 UNION 25 MM 96 UNION 25 MM 97 REDUCING TEE 20 MM X 15 MM X 20 MM 99 REDUCING TEE 20 MM X 15 MM X 20 MM 100 REDUCING TEE 20 MM X 25 MM X 20 MM 101 REDUCING TEE 25 MM X 20 MM 102 REDUCING TEE 25 MM X 20 MM 103 REDUCING TEE 25 MM X 20 MM	78	STEP OVER BEND 20 MM		
81 TANK CONNECTING NIPPLE 25MM 82 MALE THREADED ADOPTER 15MM 83 MALE THREADED ADOPTER 20 MM 84 MALE THREADED ADOPTER 25 MM 85 90 DEGREE ELBOW 15 MM 86 90 DEGREE ELBOW 20 MM 87 90 DEGREE ELBOW 25 MM 88 45 DEGREE ELBOW 25 MM 89 45 DEGREE ELBOW 25 MM 90 45 DEGREE ELBOW 25 MM 91 CROSS TEE 15 MM 92 CROSS TEE 15 MM 93 CROSS TEE 20 MM 94 UNION 15 MM 95 UNION 20 MM 96 UNION 25 MM 97 REDUCING TEE 20 MM X 15 MM X 20 MM 99 REDUCING TEE 20 MM X 15 MM X 20 MM 100 REDUCING TEE 25 MM X 20 MM 101 REDUCING TEE 25 MM X 20 MM 102 REDUCING TEE 25 MM X 20 MM 103 REDUCING TEE 25 MM X 20 MM	79	STEP OVER BEND 25 MM		
82 MALE THREADED ADOPTER 15MM  83 MALE THREADED ADOPTER 20 MM  84 MALE THREADED ADOPTER 25 MM  85 90 DEGREE ELBOW 15 MM  86 90 DEGREE ELBOW 20 MM  87 90 DEGREE ELBOW 25 MM  88 45 DEGREE ELBOW 25 MM  89 45 DEGREE ELBOW 20 MM  90 45 DEGREE ELBOW 25 MM  91 CROSS TEE 15 MM  92 CROSS TEE 15 MM  93 CROSS TEE 20 MM  94 UNION 15 MM  95 UNION 20 MM  96 UNION 25 MM  97 REDUCING TEE 15 MM X 15 MM X 20 MM  99 REDUCING TEE 20 MM X 15 MM X 20 MM  100 REDUCING TEE 25 MM X 20 MM  101 REDUCING TEE 25 MM X 20 MM  102 REDUCING TEE 25 MM X 20 MM X 15 MM  103 REDUCING TEE 25 MM X 20 MM X 20 MM  100 REDUCING TEE 25 MM X 20 MM X 20 MM  101 REDUCING TEE 25 MM X 20 MM X 20 MM  102 REDUCING TEE 25 MM X 20 MM X 20 MM  103 REDUCING TEE 25 MM X 20 MM X 20 MM  104 REDUCING TEE 25 MM X 20 MM X 20 MM  106 REDUCING TEE 25 MM X 20 MM X 20 MM  107 REDUCING TEE 25 MM X 20 MM X 20 MM  108 REDUCING TEE 25 MM X 20 MM X 20 MM  109 REDUCING TEE 25 MM X 20 MM X 20 MM	80	TANK CONNECTING NIPPLE 20MM		
83 MALE THREADED ADOPTER 20 MM  84 MALE THREADED ADOPTER 25 MM  85 90 DEGREE ELBOW 15 MM  86 90 DEGREE ELBOW 20 MM  87 90 DEGREE ELBOW 25 MM  88 45 DEGREE ELBOW 15 MM  89 45 DEGREE ELBOW 20 MM  90 45 DEGREE ELBOW 25 MM  91 CROSS TEE 15 MM  92 CROSS TEE 20 MM  93 CROSS TEE 25 MM  94 UNION 15 MM  95 UNION 20 MM  96 UNION 25 MM  97 REDUCING TEE 20 MM X 15 MM X 20 MM  99 REDUCING TEE 20 MM X 15 MM X 20 MM  100 REDUCING TEE 20 MM X 20 MM X 20 MM  101 REDUCING TEE 25 MM X 20 MM X 20 MM  102 REDUCING TEE 25 MM X 20 MM X 20 MM  103 REDUCING TEE 25 MM X 25 MM X 20 MM  100 REDUCING TEE 25 MM X 20 MM X 20 MM  100 REDUCING TEE 25 MM X 20 MM X 20 MM  100 REDUCING TEE 25 MM X 20 MM X 20 MM  100 REDUCING TEE 25 MM X 20 MM X 20 MM  100 REDUCING TEE 25 MM X 20 MM X 20 MM  101 REDUCING TEE 25 MM X 20 MM X 20 MM  102 REDUCING TEE 25 MM X 20 MM X 20 MM  103 REDUCING TEE 25 MM X 25 MM X 20 MM	81	TANK CONNECTING NIPPLE 25MM		
84 MALE THREADED ADOPTER 25 MM  85 90 DEGREE ELBOW 15 MM  86 90 DEGREE ELBOW 20 MM  87 90 DEGREE ELBOW 25 MM  88 45 DEGREE ELBOW 25 MM  89 45 DEGREE ELBOW 20 MM  90 45 DEGREE ELBOW 25 MM  91 CROSS TEE 15 MM  92 CROSS TEE 15 MM  93 CROSS TEE 25 MM  94 UNION 15 MM  95 UNION 20 MM  96 UNION 25 MM  97 REDUCING TEE 15 MM X 15 MM X 20 MM  98 REDUCING TEE 20 MM X 15 MM X 20 MM  100 REDUCING TEE 25 MM X 20 MM X 15 MM  101 REDUCING TEE 25 MM X 20 MM X 20 MM  102 REDUCING TEE 25 MM X 20 MM X 20 MM  103 REDUCING TEE 25 MM X 25 MM X 25 MM X 15 MM  104 REDUCING TEE 25 MM X 20 MM X 20 MM  105 REDUCING TEE 25 MM X 20 MM X 20 MM  106 REDUCING TEE 25 MM X 20 MM X 20 MM  107 REDUCING TEE 25 MM X 20 MM X 20 MM  108 REDUCING TEE 25 MM X 20 MM X 20 MM  109 REDUCING TEE 25 MM X 20 MM X 20 MM  100 REDUCING TEE 25 MM X 20 MM X 20 MM	82	MALE THREADED ADOPTER 15MM		
85 90 DEGREE ELBOW 15 MM  86 90 DEGREE ELBOW 20 MM  87 90 DEGREE ELBOW 25 MM  88 45 DEGREE ELBOW 15 MM  89 45 DEGREE ELBOW 20 MM  90 45 DEGREE ELBOW 25 MM  91 CROSS TEE 15 MM  92 CROSS TEE 20 MM  93 CROSS TEE 25 MM  94 UNION 15 MM  95 UNION 20 MM  96 UNION 25 MM  97 REDUCING TEE 15 MM X 15 MM X 20 MM  98 REDUCING TEE 20 MM X 15 MM X 20 MM  100 REDUCING TEE 25 MM X 20 MM X 20 MM  101 REDUCING TEE 25 MM X 20 MM X 20 MM  102 REDUCING TEE 25 MM X 20 MM X 20 MM  103 REDUCING TEE 25 MM X 20 MM X 20 MM  104 REDUCING TEE 25 MM X 20 MM X 20 MM  105 REDUCING TEE 25 MM X 25 MM X 20 MM  106 REDUCING TEE 25 MM X 20 MM X 20 MM  107 REDUCING TEE 25 MM X 25 MM X 20 MM  108 REDUCING TEE 25 MM X 25 MM X 20 MM  109 REDUCING TEE 25 MM X 25 MM X 20 MM  100 REDUCING TEE 25 MM X 25 MM X 20 MM  100 REDUCING TEE 25 MM X 25 MM X 20 MM  100 REDUCING TEE 25 MM X 25 MM X 20 MM	83	MALE THREADED ADOPTER 20 MM		
86 90 DEGREE ELBOW 20 MM 87 90 DEGREE ELBOW 25 MM 88 45 DEGREE ELBOW 15 MM 89 45 DEGREE ELBOW 20 MM 90 45 DEGREE ELBOW 25 MM 91 CROSS TEE 15 MM 92 CROSS TEE 15 MM 93 CROSS TEE 20 MM 94 UNION 15 MM 95 UNION 20 MM 96 UNION 25 MM 97 REDUCING TEE 15 MM X 15 MM X 20 MM 98 REDUCING TEE 20 MM X 15 MM X 20 MM 100 REDUCING TEE 20 MM X 20 MM X 15 MM 101 REDUCING TEE 25 MM X 20 MM X 20 MM 102 REDUCING TEE 25 MM X 20 MM X 20 MM 103 REDUCING TEE 25 MM X 20 MM X 20 MM 104 REDUCING TEE 25 MM X 25 MM X 20 MM 105 REDUCING TEE 25 MM X 25 MM X 20 MM 106 REDUCING TEE 25 MM X 20 MM X 20 MM 107 REDUCING TEE 25 MM X 20 MM X 20 MM 108 REDUCING TEE 25 MM X 20 MM X 20 MM 109 REDUCING TEE 25 MM X 25 MM X 20 MM 100 REDUCING TEE 25 MM X 25 MM X 20 MM 100 REDUCING TEE 25 MM X 25 MM X 20 MM 100 REDUCING TEE 25 MM X 25 MM X 20 MM	84	MALE THREADED ADOPTER 25 MM		
87 90 DEGREE ELBOW 25 MM 88 45 DEGREE ELBOW 15 MM 89 45 DEGREE ELBOW 20 MM 90 45 DEGREE ELBOW 25 MM 91 CROSS TEE 15 MM 92 CROSS TEE 20 MM 93 CROSS TEE 20 MM 94 UNION 15 MM 95 UNION 20 MM 96 UNION 25 MM 97 REDUCING TEE 15 MM X 15 MM X 20 MM 98 REDUCING TEE 20 MM X 15 MM X 20 MM 100 REDUCING TEE 20 MM X 20 MM X 15 MM 101 REDUCING TEE 25 MM X 20 MM 102 REDUCING TEE 25 MM X 20 MM X 20 MM 103 REDUCING TEE 25 MM X 20 MM X 15 MM 104 REDUCING TEE 25 MM X 20 MM 105 REDUCING TEE 25 MM X 20 MM X 20 MM 106 REDUCING TEE 25 MM X 20 MM X 20 MM 107 REDUCING TEE 25 MM X 20 MM X 20 MM 108 REDUCING TEE 25 MM X 20 MM X 20 MM 109 REDUCING TEE 25 MM X 20 MM X 20 MM 100 REDUCING TEE 25 MM X 20 MM X 20 MM 100 REDUCING TEE 25 MM X 20 MM X 20 MM 100 REDUCING TEE 25 MM X 20 MM X 20 MM	85	90 DEGREE ELBOW 15 MM		
88	86	90 DEGREE ELBOW 20 MM		
89	87	90 DEGREE ELBOW 25 MM		
90	88	45 DEGREE ELBOW 15 MM		
91 CROSS TEE 15 MM  92 CROSS TEE 20 MM  93 CROSS TEE 25 MM  94 UNION 15 MM  95 UNION 20 MM  96 UNION 25 MM  97 REDUCING TEE 15 MM X 15 MM X 20 MM  98 REDUCING TEE 20 MM X 15 MM X 20 MM  99 REDUCING TEE 20 MM X 15 MM X 20 MM  100 REDUCING TEE 20 MM X 20 MM X 15 MM  101 REDUCING TEE 25 MM X 20 MM  102 REDUCING TEE 25 MM X 20 MM X 20 MM  103 REDUCING TEE 25 MM X 25 MM X 20 MM	89	45 DEGREE ELBOW 20 MM		
92 CROSS TEE 20 MM 93 CROSS TEE 25 MM 94 UNION 15 MM 95 UNION 20 MM 96 UNION 25 MM 97 REDUCING TEE 15 MM X 15 MM X 20 MM 98 REDUCING TEE 20 MM X 15 MM X 20 MM 99 REDUCING TEE 20 MM X 15 MM X 20 MM 100 REDUCING TEE 20 MM X 20 MM 101 REDUCING TEE 25 MM X 25 MM X 20 MM 102 REDUCING TEE 25 MM X 20 MM 103 REDUCING TEE 25 MM X 20 MM X 15 MM 104 REDUCING TEE 25 MM X 20 MM 105 REDUCING TEE 25 MM X 20 MM 106 REDUCING TEE 25 MM X 20 MM X 20 MM 107 REDUCING TEE 25 MM X 20 MM X 20 MM	90	45 DEGREE ELBOW 25 MM		
93 CROSS TEE 25 MM  94 UNION 15 MM  95 UNION 20 MM  96 UNION 25 MM  97 REDUCING TEE 15 MM X 15 MM X 20 MM  98 REDUCING TEE 20 MM X 15 MM X 15 MM  99 REDUCING TEE 20 MM X 15 MM X 20 MM  100 REDUCING TEE 20 MM X 20 MM X 15 MM  101 REDUCING TEE 25 MM X 25 MM X 20 MM  102 REDUCING TEE 25 MM X 20 MM  103 REDUCING TEE 25 MM X 25 MM X 15 MM	91	CROSS TEE 15 MM		
94 UNION 15 MM 95 UNION 20 MM 96 UNION 25 MM 97 REDUCING TEE 15 MM X 15 MM X 20 MM 98 REDUCING TEE 20 MM X 15 MM X 15 MM 99 REDUCING TEE 20 MM X 15 MM X 20 MM 100 REDUCING TEE 20 MM X 20 MM X 15 MM 101 REDUCING TEE 25 MM X 25 MM X 20 MM 102 REDUCING TEE 25 MM X 20 MM X 15 MM 103 REDUCING TEE 25 MM X 25 MM X 15 MM	92	CROSS TEE 20 MM		
95 UNION 20 MM 96 UNION 25 MM 97 REDUCING TEE 15 MM X 15 MM X 20 MM 98 REDUCING TEE 20 MM X 15 MM X 15 MM 99 REDUCING TEE 20 MM X 15 MM X 20 MM 100 REDUCING TEE 20 MM X 20 MM X 15 MM 101 REDUCING TEE 25 MM X 25 MM X 20 MM 102 REDUCING TEE 25 MM X 20 MM X 15 MM 103 REDUCING TEE 25 MM X 25 MM X 15 MM	93	CROSS TEE 25 MM		
96 UNION 25 MM  97 REDUCING TEE 15 MM X 15 MM X 20 MM  98 REDUCING TEE 20 MM X 15 MM X 15 MM  99 REDUCING TEE 20 MM X 15 MM X 20 MM  100 REDUCING TEE 20 MM X 20 MM X 15 MM  101 REDUCING TEE 25 MM X 25 MM X 20 MM  102 REDUCING TEE 25 MM X 20 MM X 15 MM  103 REDUCING TEE 25 MM X 25 MM X 15 MM	94	UNION 15 MM		
97 REDUCING TEE 15 MM X 15 MM X 20 MM  98 REDUCING TEE 20 MM X 15 MM X 15 MM  99 REDUCING TEE 20 MM X 15 MM X 20 MM  100 REDUCING TEE 20 MM X 20 MM X 15 MM  101 REDUCING TEE 25 MM X 25 MM X 20 MM  102 REDUCING TEE 25 MM X 20 MM X 15 MM  103 REDUCING TEE 25 MM X 25 MM X 15 MM	95	UNION 20 MM		
98 REDUCING TEE 20 MM X 15 MM X 20 MM  99 REDUCING TEE 20 MM X 15 MM X 20 MM  100 REDUCING TEE 20 MM X 20 MM X 15 MM  101 REDUCING TEE 25 MM X 25 MM X 20 MM  102 REDUCING TEE 25 MM X 20 MM X 20 MM  103 REDUCING TEE 25 MM X 25 MM X 15 MM	96	UNION 25 MM		
99 REDUCING TEE 20 MM X 15 MM X 20 MM  100 REDUCING TEE 20 MM X 20 MM X 15 MM  101 REDUCING TEE 25 MM X 25 MM X 20 MM  102 REDUCING TEE 25 MM X 20 MM X 20 MM  103 REDUCING TEE 25 MM X 25 MM X 15 MM	97	REDUCING TEE 15 MM X 15 MM X 20 MM		
100 REDUCING TEE 20 MM X 20 MM X 15 MM  101 REDUCING TEE 25 MM X 25 MM X 20 MM  102 REDUCING TEE 25 MM X 20 MM X 20 MM  103 REDUCING TEE 25 MM X 25 MM X 15 MM	98	REDUCING TEE 20 MM X 15 MM X 15 MM		
101 REDUCING TEE 25 MM X 25 MM X 20 MM  102 REDUCING TEE 25 MM X 20 MM X 20 MM  103 REDUCING TEE 25 MM X 25 MM X 15 MM	99	REDUCING TEE 20 MM X 15 MM X 20 MM		
102 REDUCING TEE 25 MM X 20 MM X 20 MM  103 REDUCING TEE 25 MM X 25 MM X 15 MM	100	REDUCING TEE 20 MM X 20 MM X 15 MM		
103 REDUCING TEE 25 MM X 25 MM X 15 MM	101	REDUCING TEE 25 MM X 25 MM X 20 MM		
	102	REDUCING TEE 25 MM X 20 MM X 20 MM		
104 15 MM STOPPER PLUG	103	REDUCING TEE 25 MM X 25 MM X 15 MM		
	104	15 MM STOPPER PLUG		

	00 101 0700000 5:::0		T	<u> </u>	<del></del>
105	20 MM STOPPER PLUG				
106	TRANSITION BUSH 20 MM GIS TO 20 MM CTS				
107	TRANSITION BUSH 25 MM GIS TO 25 MM CTS				
108	FEMALE THREADED ADOPTER 15 MM				
109	FEMALE THREADED ADOPTER 20 MM				
110	FEMALE THREADED ADOPTER 25 MM				
111	MALE THREADED ADOPTER BRASS THREADED 15 MM				
112	MALE THREADED ADOPTER BRASS THREADED 20 MM				
113	MALE THREADED ADOPTER BRASS THREADED 25 MM				
114	MALE THREADED ADOPTER BRASS THREADED 20MM X 15 MM				
115	MALE THREADED ADOPTER BRASS THREADED 25 MM X 20 MM				
116	FEMALE THREADED ADOPTER BRASS THREADED 15 MM				
117	FEMALE THREADED ADOPTER BRASS THREADED 20 MM				
118	FEMALE THREADED ADOPTER BRASS THREADED 25 MM				
119	FEMALE THREADED ADOPTER BRASS THREADED 20 MM X 15 MM				
120	FEMALE THREADED ADOPTER BRASS THREADED 25 MM X 20 MM				
121	FEMALE ELBOW BRASS THREADED 15 MM				
122	FEMALE ELBOW BRASS THREADED 20 MM				
123	FEMALE ELBOW BRASS THREADED 20 MM X 15 MM				
124	FEMALE ELBOW BRASS THREADED 25 MM X 15 MM				
125	MALE ELBOW BRASS THREADED 15 MM				
126	MALE ELBOW BRASS THREADED 20 MM				
127	MALE ELBOW BRASS THREADED 20 MM X 15 MM				
128	MALE ELBOW BRASS THREADED 25 MM X 15 MM				
129	FEMALE TEE BRASS THREADED 15 MM				
130	FEMALE TEE BRASS THREADED 20 MM X 15 MM				
131	FEMALE TEE BRASS THREADED 25 MM X 15 MM				
-		•		•	•

Р	GI Short Piece		
132	15MMX75MM Long.		
133	32MMX75MM Long.		
134	25MMX75MM Long.		
135	15MM X 50MM Long.		
136	25MM X 50MM Long.		
137	32MM DIA X 50MM Long.		
138	20MMX50MM Long.		
139	32MM x 150MM Long.		
Q	GI LONG SCREW WITH JUM NUT		
140	LONG SCREW GI WITH FITTINGS 20MMX150MM		
141	LONG SCREW GI WITH FITTINGS 32MMX150MM		
R	Valve (Ball), CPVC (Threaded), ASTM D-1784		
142	BALL VALVE PVC (THREADED) 15MM		
143	BALL VALVE PVC (THREADED) 20MM		
144	BALL VALVE PVC (THREADED) 32MM		
145	BALL VALVE PVC (THREADED) 40MM		
S	Cistern, Sink, Waste Coupling, Waste CP, Connecting Pipe, Pocelain D/Board, Washer Coupling, Connecting Rod, Chain, Leather Bucket etc for		
146	CISTERN LOW DOWN (PVC) 10 LTS.		
147	SINK MOSAIC (600 MM X 400 MM X 200MM)		
148	WASTE COUPLING FOR BASIN 32MM SIZE CAT NO. 709		
149	WASTE CP 40MM		
150	CONNECTOR PIPE, PTMT 15MM DIA X 450MM LONG		
151	PORCELINE DRAINING BOARD 450 mm X 600mm		
152	WASHER FOR P.V.C. LOW DOWN CISTERN (FLUSHING CISTERN).		
153	WASHER FOR LOW DOWN CISTERN (FLOAT VALVE)		
154	COUPLING PVC 50MM		
155	WASTE COUPLING PTMT 32MM		
156	Gunmetal 63 mm Double Controlled Hydrant Valve (Landing Valve) as per IS:5290 Type-B with ISI mark.		

157	CONNECTING ROD (12MM DIA 10' LONG) FOR DINCO (TUBE WELL)		
158	CHAIN FOR DINCO HAND TUBE WELL		
159	LEATHER BUCKET FOR HAND PUMP NO 6 (TUBE WELL)		
160	CYLINDER 65MM FOR DINCO TUBE WELL PUMP		
161	HACK SAW BLADE (HIGH SPEED) 12MM x 300MM		
Т	Thread Cutting DIE BIT for GI Pipe of Nominal Dia.		
162	40MM		
163	50MM		
164	15MM to 25MM.		
165	20 MM		
166	32MM		
167	25MM		
U	Stop Cock / BIB Cock / Inner / Push Cock / Washer for		
168	STOP COCK CP 20MM DIA		
169	INNER BRASS (MEDIUM)		
170	BIB COCK(C.P.) 15 MM DIA		
171	BIB COCK (BRASS) 15MM with ISI Mark.		
172	BIB COCK (PVC) 15MM with ISI Mark		
173	STOP COCK (C.P) 15 MM		
174	STOP COCK PTMT SYMET 20MM DIA		
175	STOP COCK (BRASS) 15 MM		
176	COCK STOP (PVC) 15 MM		
177	PUSH COCK PTMT SYMET 15MM DIA		
178	WASHER (NYLON ) WITH BRASS VALVE 20MM		
V	Valve (Fullway) Brass with ISI mark, IS: 778 Class-1		
179	FULLWAY VALVE BRASS 20MM		
180	FULLWAY VALVE BRASS 25MM		
181	FULL WAY VALVE (BRASS) 32MM		
182	FULLWAY VALVE BRASS 40MM		
183	FULLWAY VALVE BRASS 50MM		
184	FULLWAY VALVE BRASS 80MM		

W	PVC PIPE SHORT PIECE		
185	PVC PIPE (DOUBLE SOCKETED) 110MM DIA X 0.90M LONG		
186	PVC PIPE (DOUBLE SOCKETED) 110MM DIA X 1.2M LONG		
187	CLAMP MS FOR AC PIPE100MM DIA		
188	CLAMP MS FOR AC PIPE 150MM DIA		
189	BRUSH WIRE 150MM X 60MM		

Signature of Tenderer with Office Seal

## **ANNEXURE-IV**

## **Bidder's Bank Details**

(To be printed on the bidder's Letter Head duly filled scanned and uploaded after seal and signature)

A/c No.	
A/c holder Name:	
Bank Name & Bank Address:	
Branch Name:	
IFSC:	

Signature of Tenderer with Office Seal

# **ANNEXURE-V**

## **TENDER No. - HDC/MM/OT-19/42/34**

# PRICED BILL OF QUANTITIES

# [BIDDERS NOT TO QUOTE HERE]

SI. No.	Description	Qty	Unit	Unit Rate On F.O.R. upto HDC's Store	GST (%)	Calculation of Landed Cost (Rs /unit)
				a	b	c=a+(a*b)/100
Α	GLAND PACKING OF SIZES			u		
1	16MM	450	М			
2	10 MM (GRAPHITED ASBESTOS)	30	М			
3	12.5 MM (GRAPHITED ASBESTOS)	100	Kg			
4	14 MM (GRAPHITED ASBESTOS)	20	Kg			
В	H. T. HEXA. HD. FULL THREADED / MS HEXA. HD NUTS & BOLTS OF SIZES					
5	H.T. HEX. HD. FULL THREADED NUT & BOLT 8 MM X 62 MM	100	No.			
6	H.T. HEX. HD. FULL THREADED NUT & BOLT 8 MM X 100 MM	100	No.			
7	BOLTS & NUTS HEX. HEAD (MS) 16MM X 65MM	200	No.			
8	BOLTS & NUTS HEX. HEAD (M.S)16MM X 75MM	200	No.			
9	BOLTS & NUTS HEX. HEAD (MS) 20MM X 65MM	350	No.			
10	BOLTS & NUTS (MS) WITH WASHER 20MM X100MM	200	No.			
С	GI WASHER					
11	G.I. WASHER FOR 15MM DIA. NUT	200	No.			
D	MS / GI HOOK					
12	HOOK (MS) 50 MM	100	No.			
13	HOOK (MS) 32 MM	30	No.			
14	HOOK GI FOR 15MM DIA PIPE	1100	No.			
15	HOOK GI FOR 20MM DIA PIPE	100	No.			
16	HOOK GI FOR 40MM DIA PIPE	10	No.			

E	WATER METER				
17	WATER METER 80 MM	5	No.		
18	WATER METER HELICAL TYPE 150MM	30	No.		
19	WHITE ZINC	60	Kg		
F	GI Elbow of Nominal dia. with ISI mark, IS:1879 (2010)				
20	ELBOW (GI) 15MM DIA	400	No.		
21	ELBOW (GI) 25 MM DIA	350	No.		
22	ELBOW (GI) 32 MM DIA	200	No.		
23	ELBOW (GI) 40 MM DIA	60	No.		
24	ELBOW (GI) 50 MM DIA	20	No.		
G	GI Reducing Elbow of Nominal dia. with ISI mark, IS: 1879 (2010)				
25	ELBOW REDUCING GI 15MMX20 MM	50	No.		
26	ELBOW REDUCING (GI) 25MM X 32MM	30	No.		
27	ELBOW REDUCING GI 32MM X 40MM	20	No.		
28	ELBOW REDUCING GI 50MM X 32MM	10	No.		
Н	GI Tee of Nominal dia. with ISI mark, IS:1879 (2010)				
29	TEE (G.I) 15 MM DIA	200	No.		
30	TEE (GI) 20 MM DIA	50	No.		
31	TEE (GI) 25 MM DIA	50	No.		
I	GI Socket of Nominal dia. with ISI mark, IS:1879 (2010)				
32	SOCKET (GI) 20 MM DIA	30	No.		
33	SOCKET (G.I) 32 MM DIA	50	No.		
J	GI Reducing Socket of Nominal dia. with ISI mark, IS: 1879 (2010)				
34	SOCKET REDUCING (GI) 25 MM DIA x 32 MM LONG	20	No.		
35	SOCKET REDUCING GI 25MM X 20MM	50	No.		
36	SOCKET REDUCING (GI) 50MM X 40MM	35	No.		
K	GI PLUG				
37	15 MM DIA	60	No.	_	
38	20 MM DIA (SOLID)	50	No.		
39	25 MM DIA	20	No.		
40	40 MM DIA (SOLID)	30	No.		

L	GI UNION WITH THREADED				
41	25 MM DIA	40	No.		
42	32 MM DIA	40	No.		
43	40 MM DIA	10	No.		
	GI FLANGE OF NOMINAL DIA.				
44	50 MM DIA	50	No.		
45	80 MM DIA	10	No.		
M	G.I.Pipe (Medium) Threaded on both end with one socket on one end with IS: Mark ( IS-1239, Part-1 of 1990)and Galvinizing Zinc Coating shall be accordance with IS:4736 (Latest Revision) of nominal dia.				
46	15MM.	96	М		
47	20MM	24	М		
48	25 MM.	76	М		
49	32 MM.	48	М		
N	PVC Pipe of Medium Grade as per ASTM D-1785, Schedule -80 of nominal dia.				
50	32 MM DIA.	250	М		
51	40 MM DIA	550	М		
52	25MM	550	М		
53	80MM DIA	30	М		
54	20MM DIA	650	М		
55	15MM DIA.	800	М		
0	Chlorinated Polyvinyle Chloride (CPVC) fittings for CPVC pipes conforming to IS: 2007 Class I, SDR – 11.				
56	15MM CPVC SOCKET	220	No.		
57	20MM CPVC SOCKET	230	No.		
58	25MM CPVC SOCKET	200	No.		
59	15MM CPVC EQUAL TEE	250	No.		
60	20MM CPVC EQUAL TEE	250	No.		
61	25MM CPVC EQUAL TEE	220	No.		
62	REDUCING SOCKET 20MMX15MM	350	No.		
63	REDUCING SOCKET 25 MM X 15 MM	350	No.		
64	REDUCING SOCKET 25 MM X 20 MM	200	No.		
65	REDUCING ELBOW 20 MM X 15 MM	300	No.		

66	REDUCING ELBOW 25 MM X 20 MM	220	No.
67	REDUCING BUSH 20 MM X 15 MM	350	No.
68	REDUCING BUSH 25 MM X 15 MM	220	No.
69	REDUCING BUSH 25 MM X 20 MM	220	No.
70	REDUCING BUSH 32 MM X 15 MM	150	No.
71	REDUCING BUSH 32 MM X 20 MM	150	No.
72	REDUCING BUSH 32 MM X 25 MM	150	No.
73	REDUCING BUSH 40 MM X 15 MM	150	No.
74	REDUCING BUSH 40 MM X 20 MM	150	No.
75	15 MM END CAP	150	No.
76	20 MM END CAP	110	No.
77	STEP OVER BEND 15 MM	220	No.
78	STEP OVER BEND 20 MM	150	No.
79	STEP OVER BEND 25 MM	80	No.
80	TANK CONNECTING NIPPLE 20MM	150	No.
81	TANK CONNECTING NIPPLE 25MM	80	No.
82	MALE THREADED ADOPTER 15MM	350	No.
83	MALE THREADED ADOPTER 20 MM	220	No.
84	MALE THREADED ADOPTER 25 MM	220	No.
85	90 DEGREE ELBOW 15 MM	250	No.
86	90 DEGREE ELBOW 20 MM	220	No.
87	90 DEGREE ELBOW 25 MM	150	No.
88	45 DEGREE ELBOW 15 MM	250	No.
89	45 DEGREE ELBOW 20 MM	250	No.
90	45 DEGREE ELBOW 25 MM	150	No.
91	CROSS TEE 15 MM	300	No.
92	CROSS TEE 20 MM	250	No.
93	CROSS TEE 25 MM	170	No.
94	UNION 15 MM	300	No.
95	UNION 20 MM	170	No.
96	UNION 25 MM	200	No.
97	REDUCING TEE 15 MM X 15 MM X 20 MM	300	No.
98	REDUCING TEE 20 MM X 15 MM X 15 MM	250	No.
99	REDUCING TEE 20 MM X 15 MM X 20 MM	220	No.
100	REDUCING TEE 20 MM X 20 MM X 15 MM	200	No.

101	REDUCING TEE 25 MM X 25 MM X 20 MM	150	No.		
102	REDUCING TEE 25 MM X 20 MM X 20 MM	120	No.		
103	REDUCING TEE 25 MM X 25 MM X 15 MM	100	No.		
104	15 MM STOPPER PLUG	150	No.		
105	20 MM STOPPER PLUG	150	No.		
106	TRANSITION BUSH 20 MM GIS TO 20 MM CTS	300	No.		
107	TRANSITION BUSH 25 MM GIS TO 25 MM CTS	220	No.		
108	FEMALE THREADED ADOPTER 15 MM	300	No.		
109	FEMALE THREADED ADOPTER 20 MM	250	No.		
110	FEMALE THREADED ADOPTER 25 MM	150	No.		
111	MALE THREADED ADOPTER BRASS THREADED 15 MM	300	No.		
112	MALE THREADED ADOPTER BRASS THREADED 20 MM	230	No.		
113	MALE THREADED ADOPTER BRASS THREADED 25 MM	150	No.		
114	MALE THREADED ADOPTER BRASS THREADED 20MM X 15 MM	200	No.		
115	MALE THREADED ADOPTER BRASS THREADED 25 MM X 20 MM	150	No.		
116	FEMALE THREADED ADOPTER BRASS THREADED 15 MM	300	No.		
117	FEMALE THREADED ADOPTER BRASS THREADED 20 MM	230	No.		
118	FEMALE THREADED ADOPTER BRASS THREADED 25 MM	170	No.		
119	FEMALE THREADED ADOPTER BRASS THREADED 20 MM X 15 MM	170	No.		
120	FEMALE THREADED ADOPTER BRASS THREADED 25 MM X 20 MM	160	No.		
121	FEMALE ELBOW BRASS THREADED 15 MM	300	No.		
122	FEMALE ELBOW BRASS THREADED 20 MM	230	No.		
123	FEMALE ELBOW BRASS THREADED 20 MM X 15 MM	180	No.		
124	FEMALE ELBOW BRASS THREADED 25 MM X 15 MM	180	No.		
125	MALE ELBOW BRASS THREADED 15 MM	300	No.		
126	MALE ELBOW BRASS THREADED 20 MM	230	No.		
127	MALE ELBOW BRASS THREADED 20 MM X 15 MM	180	No.		

128	MALE ELBOW BRASS THREADED 25 MM X 15 MM	180	No.		
129	FEMALE TEE BRASS THREADED 15 MM	220	No.		
130	FEMALE TEE BRASS THREADED 20 MM X 15 MM	220	No.		
131	FEMALE TEE BRASS THREADED 25 MM X 15 MM	220	No.		
Р	GI Short Piece				
132	15MMX75MM Long.	600	No.		
133	32MMX75MM Long.	50	No.		
134	25MMX75MM Long.	15	No.		
135	15MM X 50MM Long.	500	No.		
136	25MM X 50MM Long.	250	No.		
137	32MM DIA X 50MM Long.	30	No.		
138	20MMX50MM Long.	50	No.		
139	32MM x 150MM Long.	50	No.		
Q	GI LONG SCREW WITH JUM NUT				
140	LONG SCREW GI WITH FITTINGS 20MMX150MM	10	No.		
141	LONG SCREW GI WITH FITTINGS 32MMX150MM	40	No.		
R	Valve (Ball), CPVC (Threaded), ASTM D-1784				
142	BALL VALVE PVC (THREADED) 15MM	100	No.		
143	BALL VALVE PVC (THREADED) 20MM	170	No.		
144	BALL VALVE PVC (THREADED) 32MM	250	No.		
145	BALL VALVE PVC (THREADED) 40MM	300	No.		
S	Cistern,Sink,Waste Coupling, Waste CP,Connecting Pipe, Pocelain D/Board, Washer Coupling, Connecting Rod, Chain, Leather Bucket etc for				
146	CISTERN LOW DOWN (PVC) 10 LTS.	160	No.		
147	SINK MOSAIC (600 MM X 400 MM X 200MM)	10	No.		
148	WASTE COUPLING FOR BASIN 32MM SIZE CAT NO. 709	75	No.		
149	WASTE CP 40MM	10	No.		
150	CONNECTOR PIPE, PTMT 15MM DIA X 450MM LONG	100	No.		
151	PORCELINE DRAINING BOARD 450 mm X 600mm	15	No.		

152	WASHER FOR P.V.C. LOW DOWN CISTERN (FLUSHING CISTERN).	300	No.		
153	WASHER FOR LOW DOWN CISTERN (FLOAT VALVE)	300	No.		
154	COUPLING PVC 50MM	40	No.		
155	WASTE COUPLING PTMT 32MM	50	No.		
156	Gunmetal 63 mm Double Controlled Hydrant Valve (Landing Valve) as per IS:5290 Type-B with ISI mark.	15	No.		
157	CONNECTING ROD (12MM DIA 10' LONG) FOR DINCO (TUBE WELL)	60	No.		
158	CHAIN FOR DINCO HAND TUBE WELL	15	No.		
159	LEATHER BUCKET FOR HAND PUMP NO 6 (TUBE WELL)	10	No.		
160	CYLINDER 65MM FOR DINCO TUBE WELL PUMP	10	No.		
161	HACK SAW BLADE (HIGH SPEED) 12MM x 300MM	600	No.		
Т	Thread Cutting DIE BIT for GI Pipe of Nominal Dia.				
162	40MM	25	Set		
163	50MM	25	Set		
164	15MM to 25MM.	30	Set		
165	20 MM	150	Set		
166	32MM	25	Set		
167	25MM	25	Set		
U	Stop Cock / BIB Cock / Inner / Push Cock / Washer for				
168	STOP COCK CP 20MM DIA	120	No.		
169	INNER BRASS (MEDIUM)	50	No.		
170	BIB COCK(C.P.) 15 MM DIA	60	No.		
171	BIB COCK (BRASS) 15MM with ISI Mark.	10	No.		
172	BIB COCK (PVC) 15MM with ISI Mark	520	No.		
173	STOP COCK (C.P) 15 MM	20	No.		
174	STOP COCK PTMT SYMET 20MM DIA	20	No.		
175	STOP COCK (BRASS) 15 MM	10	No.		
176	COCK STOP (PVC) 15 MM	40	No.		
177	PUSH COCK PTMT SYMET 15MM DIA	140	No.		
178	WASHER (NYLON ) WITH BRASS VALVE 20MM	230	No.		

V	Valve (Fullway) Brass with ISI mark, IS: 778 Class-1				
179	FULLWAY VALVE BRASS 20MM	10	No.		
180	FULLWAY VALVE BRASS 25MM	60	No.		
181	FULL WAY VALVE (BRASS) 32MM	25	No.		
182	FULLWAY VALVE BRASS 40MM	10	No.		
183	FULLWAY VALVE BRASS 50MM	20	No.		
184	FULLWAY VALVE BRASS 80MM	15	No.		
W	PVC PIPE SHORT PIECE				
185	PVC PIPE (DOUBLE SOCKETED) 110MM DIA X 0.90M LONG	10	No.		
186	PVC PIPE (DOUBLE SOCKETED) 110MM DIA X 1.2M LONG	130	No.		
187	CLAMP MS FOR AC PIPE100MM DIA	70	No.		
188	CLAMP MS FOR AC PIPE 150MM DIA	10	No.		
189	BRUSH WIRE 150MM X 60MM	60	No.		

Signature of Tenderer with Office Seal

### **ANNEXURE-VI**

#### **CHECKLIST**

(To be printed on the bidder's Letter Head duly filled scanned and uploaded after seal and signature):-

SI No.	DOCUMENTS TO BE UPLOADED (IF APPLICABLE)		YES /NO/NA may be)	(as th	ne case
1.	Details of Bid Document Fee submission	:	, a c,		
2.	Details of Earnest Money Deposit (EMD) submission	:			
3.	Goods and services tax registration certificate	:			
4.	Certificate for allotment of Employees Provident Fund (EPF) code no.	:			
5.	Registration certificate of Employees State Insurance (ESI)	:			
6.	PAN card	:			
7.	Valid Trade license or Trade certificate of enlistment or certificate of incorporation or certificate of registration or certificate of proof nationality of any country.	:			
8.	Valid NSIC certificate and DIC certificate	:			
9.	Audited balance sheet and profit and loss accounts for the last three financial years.	:			
10.	Credential for supply of similar work to Government /PSU/ Public or Private organization for the last five year along with any one or more of the documents.	:			
	A) Receipted challans.				

per Tender.

any other document as a proof of supply

11.

12.

Literature.

B) Certificate of execution, goods receipt note, excise invoice, tax invoice, consignment note or

Certificate of Equivalence of Grad and Technical

Any Other Document(s) Deemed Necessary as :