## Ref. No.: NWSDB/SBD/SUP/DI(Sew)/FC/Ver 1

***REVISED ON 08-06-2020***

**THE GOVERNMENT OF THE DEMOCRATIC SOCIALIST**

**REPUBLIC OF SRI LANKA**

**MINISTRY OF URBAN DEVELOPMENT, WATER SUPPLY AND HOUSING FACILITIES**

**NATIONAL WATER SUPPLY AND DRAINAGE BOARD**

SUPPLY AND DELIVERY OF DI PIPES, FITTINGS,

SPECIALS, ACCESSORIES DI VALVES, MANHOLE COVERS

AND SURFACE BOXES FORSEWERAGE WORKS

**...................................................................**

**SEWERAGE SCHEME**

**CONTRACT No.: ......................................**

**VOLUME 2**

***REVISED ON 08-06-2020***

**NATIONAL WATER SUPPLY AND DRAINAGE BOARD**

**GALLE ROAD**

**RATMALANA**

**SRI LANKA**

**…………………..**

**MONTH & YEAR**

|  |
| --- |
| **Volume 1 of Document NWSDB/SBD/SUP/DI-CI(Sew)/FC/Ver1(This Document)**  **Revised on 18-05-2020**  **is a part and parcel of this Bidding Document. This Bidding Document (Volume 2) shall be read in conjunction with the above mentioned Volume 1. Volume 1 of this document is not provided with this Bidding Document and it is available for purchasing at Tenders & Contracts Division, NWSDB, Galle Road, Ratmalana or Tenders & Contracts Division of Respective Regional Support Centres of NWSDB. It is the responsibility of the Bidder to purchase volume 1 of this document.** |

* **The Bidding Data is a part of Instructions to Bidders and should be read in conjunction with the Instructions to Bidders.**
* **The Contract Data is a part of General Conditions of Contract and should be read in conjunction with the General Conditions of Contract.**

Revised on 18-05-2020

DOCUMENT ISSUANCE CERTIFICATE

(To be filled at the time of issue by the authorised issuing officer)

1. STANDARD SPECIMEN DOCUMENT NUMBER:NWSDB/SBD/SUP/DI(Sew)/FC/Ver1
2. CONTRACT NUMBER: …………………………………………………………………

3 a) ISSUED TO : .............................................................................................................…

...........................................................................................................................……….

b) ADDRESS: .................................................................................................................…

................................................................................................................................……

c) TELEPHONE NUMBER: ..............................................................................................

d) FACSIMILE NUMBER: ………………………………………………………………

4. a) TENDER FEE : Rs. …................................. RECEIVED IN CASH/ BANK DRAFT

b) COURIER FEE Rs. ……………………………………………………………………

c) RECEIPT/BANK DRAFT NUMBER: ..........................................................................

5. NUMBER OF COPIES ISSUED : ..............................................………………………...

6. NUMBER OF CANCELLED COPIES ISSUED :. ….............................…………...……

7. CANCELLED COPY FEE : Rs………………….… RECEIVED/NOT RECEIVED

(IN CASH/BANK DRAFT)

8. a) ISSUING OFFICER : ....................................................................................……...…

b) DESIGNATION : .........................................................................................................

c) SIGNATURE : ...............................................................................................................

9. PLACE OF ISSUE : ....…...................................................................................................

10. SEAL : ............................................................................................................................…

11. DATE : .................................................……...... TIME : ......……....................................

Revised on 18-05-2020

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Revised on 31-01-2018

**CHECKLIST OF SUBMISSIONS**

# CHECKLIST OF SUBMISSIONS

**\* Note: Please mark ’Y’ in the cages under the “remarks” column if submissions are made.**

‘N’ or ‘N/A’ should be marked for cases of ‘No submissions’ and ‘not applicable’ respectively.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | Reference | | Remarks \* |
| (a) | Documentary evidence to establish eligibility of Bidding. | Page No. 1–4, 1- 5 | Clause No. 2.1,2.2 |  |
| (b) | Certified copy of business registration | Page No. 1 - 5 | Clause No. 2.1 |  |
| (c) | Documentary evidence to establish qualifications for the performance of the Contract | Page No. 1 - 5 | Clause No. 2.2 |  |
| (d) | Documentary evidence to establish that goods offered are from an eligible source and origin | Page No. 1-6 | Clause No.  2.2(b), 3 |  |
| (e) | The Bidder’s technical and production capability necessary to perform the Contract | Page No. 1 - 4  1 - 5 | Clause No.   * 1. (e)& (f)   2. (b) |  |
| (f) | Duly completed section 1 to 12 of Bidding Documents. (Bidder shall fill the Schedule of Particulars, BOQ etc., indicating any deviations to specifications under the corresponding schedule of particulars) | Page No.  1 - 7, 1–8 | Clause No. 6.1, 10.1 (a) |  |
| (g) | Subsequent Addendum/Addenda (if any) | Page No. 1 - 9 | Clause No. 10.1(b) |  |
| (h) | Bid Security | Page No. 1-13, 1-14 | Clause No. 13 |  |
| (i) | Product Conformity Certificates | Page No. 1 - 6 | Clause No. 10.1 |  |
| (j) | Quality Assurance Certificates for items offered/Bidder. | Page No. 1 - 4 | Clause No. 10.1 |  |
| (k) | In the case of a Bidder offering to supply Goods under the Contract which the Bidder does not manufacture or otherwise produce, authorisation by the manufacturer or producer of Goods as his accredited agent. | Page No. 1 - 6 | Clause No. 2.2 (b) |  |
| (l) | The agreement of the manufacturer or producer to confirm that the supply will be made in accordance with the Delivery Schedule. | Page No. 1 - 5 | Clause No. 2.2 (b) |  |
| (m) | Proof of Authorisation | Page No. 1 - 15 | Clause No.15.3 |  |
| (n) | Certified copy of the VAT registration certificate. | Page No. 1 - 11, 1-12 | Clause No. 11.4 |  |
| (o) | Copies of relevant standard used for pipes, specials & fittings. | Page No. 7-1 7-26 | Schedule of Particulars |  |
| **Any other document as given below:** | |  |  |  |

**INVITATION FOR BIDS**

**MINISTRY OF URBAN DEVELOPMENT, WATER SUPPLY AND HOUSING FACILITIES**

**NATIONAL WATER SUPPLY AND DRAINAGE BOARD**

**INVITATION FOR BIDS**

**SUPPLY AND DELIVERY OF DI PIPES, FITTINGS, SPECIALS,**

**ACCESSORIES, DI VALVES, MANHOLE COVERS AND SURFACE BOXESFOR SEWERAGE WORKS**

**FOR ............................................................ SEWERAGE SCHEME**

**CONTRACT No.: ……………………………………………..**

1. The Chairman, Ministry Procurement Committee, Ministry of Urban Development, Water Supply and Housing Facilities, No.35, “LakdiyaMedura”, Sunil Mawatha, Pelawatta, Battaramulla, Sri Lanka, on behalf of the National Water Supply & Drainage Board now invites sealed bids for the Supply & Delivery of DI Pipes, Fittings, Specials and Accessories for Sewerage works for ………………SewerageScheme up to closing of bids at ……………. hours on ………….

2. Bidsshall be submitted in the documents available at the office of the Assistant General Manager (Tenders and Contracts), National Water Supply & Drainage Board (NWSDB), Galle Road, Ratmalana, Sri Lanka between 09:00 hours to 15:00 hours on normal working days up to ...................................., upon payment of a non refundable fee of Rs. ………………plus applicable VAT.

3. Bidding Documents may be inspected free of charge at the office of the Assistant General Manager (Tenders and Contracts), NWSDB, Galle Road, Ratmalana, Sri Lanka.

4. Bidding Documents will be issued only to those who are pre-qualified manufacturers by NWSDB or their local accredited agents for supply of DI pipes, fittings, specials and accessories for sewerage works upon production of a letter of request for documents on a business letterhead.

5. To be eligible for contract award, the successful bidder shall not have been blacklisted

6. Alternative bids shall not be accepted. Bidders may purchase bidding documents in required number and may submit one or more independent offers. The independent offers shall be in separate set of bidding documents together with separate bid securities.Bids with alternative offers in one document will be rejected without assigning reasons.

7. Sealed bids may be either dispatched by registered post or hand delivered to the Chairman, Cabinet Appointed Procurement Committee, Procurement Division, Ministry of Urban Development, Water Supply and Housing Facilities, No. 35, “Lakdiya Madura”, New Parliament Road,Pelawatta, Battaramulla, Sri Lankato receive on or before the closing time. Late bids will be rejected.

8. All Bids shall be accompanied by a bid security of Rupees…………………and the bid security shall be valid upto………………*(Specify the Date)*.

9. Bids will be opened immediately after the closing of Bids, at the office of the Procurement Division, Ministry of Urban Development, Water Supply and Housing Facilities, No.35, “LakdiyaMedura”, Sunil Mawatha, Pelawatta, Battaramulla, Sri Lanka. Bidders or their authorised representatives may be present at the opening of bids.

10. For further details, please contact the Assistant General Manager (Tenders and Contracts), NWSDB, Galle Road, Ratmalana, Sri Lanka on telephone number 94 -11-2635885 or 94-11-2638999 Ext. 1750 or facsimile number 94 -11-2635885.

**Chairman**

**NATIONAL WATER SUPPLY AND DRAINAGE BOARD**

Revised on 18-05-2020

**MINISTRY OF URBAN DEVELOPMENT, WATER SUPPLY AND HOUSING FACILITIES**

**NATIONAL WATER SUPPLY AND DRAINAGE BOARD**

**INVITATION FOR BIDS**

**SUPPLY AND DELIVERY OF DI PIPES, FITTINGS, SPECIALS,**

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**Chairman, NATIONAL WATER SUPPLY AND DRAINAGE BOARD**

Revised on 18-05-2020

**MINISTRY OF URBAN DEVELOPMENT, WATER SUPPLY AND HOUSING FACILITIES**

**NATIONAL WATER SUPPLY AND DRAINAGE BOARD**

**INVITATION FOR BIDS**

**SUPPLY AND DELIVERY OF DI PIPES, FITTINGS, SPECIALS,**

**ACCESSORIES, DI VALVES, MANHOLE COVERS AND SURFACE BOXESFOR SEWERAGE WORKS**

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**Chairman**

**NATIONAL WATER SUPPLY AND DRAINAGE BOARD**

Revised on 08-06-2020

**3. FORM OF BID**

**THE GOVERNMENT OF THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA**

**MINISTRY OF URBAN DEVELOPMENT, WATER SUPPLY AND HOUSING FACILITIES**

**NATIONAL WATER SUPPLY AND DRAINAGE BOARD**

**SUPPLY AND DELIVERY OF DI PIPES, FITTINGS, SPECIALS,**

**ACCESSORIES, DI VALVES, MANHOLE COVERS AND SURFACE BOXESFOR SEWERAGE WORKS**

**FOR ............................................................ SEWERAGE SCHEME**

**CONTRACT No.: ..............................................**

**FORM OF BID**

The Chairman,

Cabinet Appointed Procurement Committee,

Ministry of Urban Development, Water Supply and Housing Facilities,

No. 35, “LakdiyaMedura”

New Parliament Road,

Pelawatta

Battaramulla

I/We, the undersigned, having authority to sign this Bid and having read and fully acquainted myself/ourselves with the contents of the Information and Instructions to Bidders and Terms and Conditions of Bid and Delivery Schedule pertaining to the above Bid, along with Bills thereto, do hereby undertake to supply the Goods and Services referred to therein, in accordance with the aforesaid Instructions, Terms and Conditions for a total Bid price of foreign currency in United States Dollars (US$)…………………………………………………………………………………………(*in words)* US $……………………………………………………………………...*(in figures)* and Sri Lanka Rupees……………….…………………………………………………………………………… …………………………………………………..………………………………………..………………*(in words)*Rs.…………………………………….…………………………………………..*(in figures)* (excluding VAT) The make up of the aforesaid total Bid Price is given in the accompanying Bills of Quantities

I/We confirm that this offer shall be open for acceptance until as given in the Bidding Data and that it will not be withdrawn or revoked prior to that date.

I/We attach hereto the following documents as part of my/our Bid.

1. Duly completed sections 1 to 13of Bid Documents
2. Documentary evidence to establish eligibility of Bidder.
3. Documentary evidence to Establish qualification to consider for the responsiveness to the contract
4. Documentary evidence to establish that goods are offered from an eligible source and origin.
5. Documentary evidence to establish eligibility of goods offered.
6. Bid Security
7. Documentary evidence to establish qualifications for the performance of the Contract.
8. Bidding Data
9. Duly filled Appendices.
10. Any other document.

Revised on 18-05-2020

I/We declare that the Photostat copies of documents and certificates submitted as part of my/our Bid are true copies of such documents and certificates. Also in case of ISO 9001/BSEN ISO 9001 certificate(s), and Product conformity certificate (s) as listed in the specifications I/we confirm that I/we have verified that the certificate issuing authority has accreditation to issue same and materials offered conform to the ISO 9001 : 2015/BSEN ISO 9001 : 2015certificates and the specified product standard certificates.

I/We further agree to the right of the Board to debar me/us from participating in its future Bids in the event that my/our submitted copies or documents are found to be forged or tampered with.

I/We understand that you are not bound to accept the lowest Bid and that you reserve the right to reject any or all Bids or to accept any part of a Bid without assigning any reasons thereto.

I/We undertake to adhere to the Delivery Schedule given in the Contract Data.

My/Our Bank Reference is as follows: ...........................................................…………..........................

...………..........................................................................................................…………...........................

Signature of Bidder : ....................................................................................……………….......…...

Name of Bidder : ................................................................................………….................

Address : ..............................................................................................………

Capacity : ……………………………………………………………………

Telephone Number : ...............................................................................................………

Facsimile Number : .....................................................................…………........................

Date : ....................................................................................………………

**Witnesses**

1. Signature : ....................................................................................………………

Name :- ................................................................................................………

Address : .................................................................................................………

Capacity : …………………………………………..

2. Signature :.....................................................................................………………

Name :- ................................................................................................………

Address :…………..............................................................................................

Capacity ………………………………………………………

Revised on 10-10-2018

**THE GOVERNMENT OF THE DEMOCRATIC SOCIALISTREPUBLIC OF SRI LANKA**

**MINISTRY OF URBAN DEVELOPMENT, WATER SUPPLY AND HOUSING FACILITIES**

**NATIONAL WATER SUPPLY AND DRAINAGE BOARD**

**SUPPLY AND DELIVERY OF DI PIPES, FITTINGS, SPECIALS,**

**ACCESSORIES, DI VALVES, MANHOLE COVERS AND SURFACE BOXESFOR SEWERAGE WORKS**

**FOR............................................................ SEWERAGE SCHEME**

**CONTRACT No.: ..............................................**

**FORM OF BID**

The Chairman,

Ministry Procurement Committee,

Ministry of Urban Development, Water Supply and Housing Facilities,

No. 35, “LakdiyaMedura”

New Parliament Road,

Pelawatta

Battaramulla

I/We, the undersigned, having authority to sign this Bid and having read and fully acquainted myself/ourselves with the contents of the Information and Instructions to Bidders and Terms and Conditions of Bid and Delivery Schedule pertaining to the above Bid, along with Bills thereto, do hereby undertake to supply the Goods and Services referred to therein, in accordance with the aforesaid Instructions, Terms and Conditions for a total Bid price of foreign currency in United States Dollars (US$)…………………………………………………………………………………………*(in words)* US $……………………………………………………………………...*(in figures)* and Sri Lanka Rupees ………………………………………………………………………………………… …………………………………………………..………………………………………..………………(in words)Rs. …………………………………….…………………………………………..*(in figures)* (excluding VAT) The make up of the aforesaid total Bid Price is given in the accompanying Bills of Quantities

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4. Documentary evidence to establish that goods are offered from an eligible source and origin.

5. Documentary evidence to establish eligibility of goods offered.

6. Bid Security

7. Documentary evidence to establish qualifications for the performance of the Contract.

8. Bidding Data

9. Duly filled Appendices.

10. Any other document.

Revised on 18-05-2020

I/We declare that the Photostat copies of documents and certificates submitted as part of my/our Bid are true copies of such documents and certificates. Also in case of ISO 9001/BSEN ISO 9001 certificate(s), and Product conformity certificate (s) as listed in the specifications I/we confirm that I/we have verified that the certificate issuing authority has accreditation to issue same and materials offered conform to the ISO 9001 : 2015/BSEN ISO 9001 : 2015certificates and the specified product standard certificates.

I/We further agree to the right of the Board to debar me/us from participating in its future Bids in the event that my/our submitted copies or documents are found to be forged or tampered with.

I/We understand that you are not bound to accept the lowest Bid and that you reserve the right to reject any or all Bids or to accept any part of a Bid without assigning any reasons thereto.

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Signature of Bidder : ....................................................................................……………….......…...

Name of Bidder : ................................................................................………….................

Address : ..............................................................................................………

Capacity : ……………………………………………………………………

Telephone Number : ...............................................................................................………

Facsimile Number : .....................................................................…………........................

Date : ....................................................................................………………

**Witnesses**

1. Signature : ....................................................................................………………

Name :- ................................................................................................………

Address : .................................................................................................………

Capacity : …………………………………………..

2. Signature :.....................................................................................………………

Name :- ................................................................................................………

Address :…………..............................................................................................

Capacity ………………………………………………………

Revised on 10-10-2018

**THE GOVERNMENT OF THE DEMOCRATIC SOCIALISTREPUBLIC OF SRI LANKA**

**MINISTRY OF URBAN DEVELOPMENT, WATER SUPPLY AND HOUSING FACILITIES**

**NATIONAL WATER SUPPLY AND DRAINAGE BOARD**

**SUPPLY AND DELIVERY OF DI PIPES, FITTINGS, SPECIALS,**

**ACCESSORIES, DI VALVES, MANHOLE COVERS AND SURFACE BOXESFOR SEWERAGE WORKS**

**FOR ............................................................ SEWERAGE SCHEME**

**CONTRACT No.: ..............................................**

**FORM OF BID**

The Chairman,

Department Procurement Committee,

National Water Supply & Drainage Board,

Galle Road,

Ratmalana.

Sri Lanka.

I/We, the undersigned, having authority to sign this Bid and having read and fully acquainted myself/ourselves with the contents of the Information and Instructions to Bidders and Terms and Conditions of Bid and Delivery Schedule pertaining to the above Bid, along with Bills thereto, do hereby undertake to supply the Goods and Services referred to therein, in accordance with the aforesaid Instructions, Terms and Conditions for a total Bid price of foreign currency in United States Dollars (US$)…………………………………………………………………………………………*(in words)* US $……………………………………………………………………...*(in figures)* and Sri Lanka Rupees………………………………………………………………………………………… …………………………………………………..………………………………………..………………(in words) Rs.…………………………………….…………………………………………..*(in figures)*  (excluding VAT) The make up of the aforesaid total Bid Price is given in the accompanying Bills of Quantities

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8. Bidding Data.

9. Duly filled Appendices.

10. Any other document.

Revised on 18-05-2020

I/We declare that the Photostat copies of documents and certificates submitted as part of my/our Bid are true copies of such documents and certificates. Also in case of ISO 9001/BSEN ISO 9001 certificate(s), and Product conformity certificate (s) as listed in the specifications I/we confirm that I/we have verified that the certificate issuing authority has accreditation to issue same and materials offered conform to the ISO 9001 : 2015/BSEN ISO 9001 : 2015certificates and the specified product standard certificates.

I/We further agree to the right of the Board to debar me/us from participating in its future Bids in the event that my/our submitted copies or documents are found to be forged or tampered with.

I/We understand that you are not bound to accept the lowest Bid and that you reserve the right to reject any or all Bids or to accept any part of a Bid without assigning any reasons thereto.

I/We undertake to adhere to the Delivery Schedule given in the Contract Data.

My/Our Bank Reference is as follows: ...........................................................…………..........................

...………..........................................................................................................…………...........................

Signature of Bidder : ....................................................................................……………….......…...

Name of Bidder : ................................................................................………….................

Address : ..............................................................................................………

Capacity : ……………………………………………………………………

Telephone Number : ...............................................................................................………

Facsimile Number : .....................................................................…………........................

Date : ....................................................................................………………

**Witnesses**

1. Signature : ....................................................................................………………

Name :- ................................................................................................………

Address : .................................................................................................………

Capacity : …………………………………………..

2. Signature :.....................................................................................………………

Name :- ................................................................................................………

Address :…………..............................................................................................

Capacity ………………………………………………………

Revised on 10-10-2018

**4. BIDDING DATA**

Revised on 10-10-2018

The Bidding Data is a part of Instructions to Bidders and should be read in conjunction with the Instructions to Bidders.

If there is a discrepancy found in the Instructions to Bidders and the Bidding Data, the Content in the Bidding Data shall supersede the Content in the Instructions to Bidders.

**BIDDING DATA**

**Clause Reference Number**

**Instructions to Bidders**

(1) The bidder is expected to supply the following items of materials

……………..………………………………………………………………………………………..………………………………………………………………………………

2.2. **Qualification**

2.2 (a)

(i) Manufacturer shall be a NWSDB pre-qualified manufacturer having qualified to provide the pipes & fittings from ……….mm to ……… mm diameter range.(This will be verified during the bid evaluation with the details available in the NWSDB).

2.2 (b)

(i) Working Capital \*1 + present available credit facilities for the company\*2 + credit facilities exclusively for this contract - 0.1 x current work commitments\*3>Rs……………\*4

\*1 Working Capital = Current Assets – Current Liabilities.

\*2 A letter to prove the availability of credit facilities issued by a Bank

within a month prior to date of closing of Bids.

\*3 current work commitment = work remaining uncompleted.

(Documentary evidence to justify shall be submitted)

\*4 *15% of estimated cost of the Bid.*

(3.1) Add to Clause

a) The supplier shall not be allowed to state or supply any good apart from the pre-qualified lists of manufacturers given in Appendix-14 for relevant goods mentioned in Bills of Quantities in this document.

b) If there is no pre-qualified manufacturers list in Appendix-14 for any good mentioned in Bills of Quantities, the supplier shall state and provide all required details of manufacturer compliance with the Specifications given in Section 6 of this document.

(4) Funds required for this contract is available under …………………………………….

(6.2) The address for the purchasing of Bidding Document/clarification of Bidding

Document is

Assistant General Manager(Tenders & Contracts),

National Water Supply & Drainage Board(NWSDB),

Galle Road,Ratmalana.

FAX 94 -11 – 2635885 TEL. 94 - 11-2635885

Revised on 18-05-2020

(12.5) Add to the Clause 12.5

As an alternative the purchaser shall establish Telegraphic Transfer as stated in the Clause 16.3 of Contract Data.

(13.2) The amount of Bid Security shall be ........…………………............ Sri Lanka Rupees.

(13.3) The validity of Bid Security shall be up to ……………………*(specify the date)*

(14.1) The period of Bid Validity shall be 210 days from the date of closing of Bid.

(17.2) (a) The inner and outer envelopes shall be addressed as follows:

The Chairman, Cabinet Appointed Procurement Committee,

Procurement Division,

Ministry of Urban Development, Water Supply and Housing Facilities,

No. 35, “LakdiyaMedura”

Sunil Mawatha,

Pelawatta

Battaramulla

Sri Lanka.

(c) “Not to be opened before ………(Time) on ………….. (Date)”

(18.1) The Procurement Committee’s address for the purpose of Bidsubmission (and on

behalf of the Board) and Bid opening is;

Cabinet Appointed Procurement Committee,

Procurement Division,

Ministry of Urban Development, Water Supply and Housing Facilities,

No. 35, “LakdiyaMedura”

New Parliament Road,

Pelawatta

Battaramulla

Sri Lanka

(18.2) The deadline for submission of Bid

Date:………………………. Time: ……………………………….

* 1. The place for opening of bids,

Cabinet Appointed Procurement Committee,

Procurement Division,

Ministry of Urban Development, Water Supply and Housing Facilities,

No. 35, “LakdiyaMedura”

New Parliament Road,

Pelawatta

Battaramulla

Sri Lanka

Revised on 18-05-2020

(24.1) Add to Clause

If a Bid does not meet any one of the requirements (a), (b), (c) & (d) of Clause 24.1, it will be considered substantially non responsive and rejected by the Procurement Committee.

(28.1) After evaluation of Bids in accordance with the procedures described under Clauses 23, 24, 25, 26, 27 and 28, the Employer will inform to all the bidders in writing the selection of the successful bidder and the intention of contract award to such bidder. The unsuccessful bidders if they so wish, within one week of such notice may make representation to the Procurement Appeal Board at the address given below. Such representation shall be self-contained to enable the Appeal Board to arrive at a conclusion and a cash deposit to amount given below shall be made. The Appeal Board may request the bidder who had made representation to submit further evidence during the investigations. The cash deposit will be forfeited unless the Employer change the original contract award decision in favour of the bidder who has made such representation.

Address : The Secretary

Appeal Board, Presidential Secretariat

Colombo, Sri Lanka.

Cash Deposit: Rupees 50,000.00

* 1. The prevailing rate of stamp duty on contracts for supply of goods is nil.

(34.1) The amount of Performance Guarantee shall be 10% of the Contract Price.

Revised on 27-08-2019

**BIDDING DATA**

**Clause Reference Number**

**Instructions to Bidders**

(1) The bidder is expected to supply the following items of materials

……………..………………………………………………………………………………………..………………………………………………………………………………

2.2. **Qualification**

2.2 (a)

(i) Manufacturer shall be a NWSDB pre-qualified manufacturer having qualified to provide the pipes & fittings from ……….mm to ……… mm diameter range.(This will be verified during the bid evaluation with the details available in the NWSDB).

2.2 (b)

(i) Working Capital \*1 + present available credit facilities for the company\*2 + credit facilities exclusively for this contract - 0.1 x current work commitments\*3>Rs……………\*4

\*1 Working Capital = Current Assets – Current Liabilities

\*2 A letter to prove the availability of credit facilities issued by a Bank

within a month prior to date of closing of Bids.

\*3 current work commitment = work remaining uncompleted

(Documentary evidence to justify shall be submitted)

\*4 *15% of estimated cost of the Bid.*

(3.1) Add to Clause

a) The supplier shall not be allowed to state or supply any good apart from the pre-qualified lists of manufacturers given in Appendix-14 for relevant goods mentioned in Bills of Quantities in this document.

b) If there is no pre-qualified manufacturers list in Appendix-14 for any good mentioned in Bills of Quantities, the supplier shall state and provide all required details of manufacturer compliance with the Specifications given in Section 6 of this document.

(4) Funds required for this contract is available under …………………………………….

(6.2) The address for the purchasing of Bidding Document/clarification of Bidding

Document is

Assistant General Manager(Tenders & Contracts),

National Water Supply & Drainage Board(NWSDB),

Galle Road,Ratmalana.

FAX 94 -11 – 2635885 TEL. 94 - 11-2635885

Revised on 18-05-2020

(12.5) Add to the Clause 12.5

As an alternative the purchaser shall establish Telegraphic Transfer as stated in the Clause 16.3 of Contract Data.

(13.2) The amount of Bid Security shall be ........…………………............ Sri Lanka Rupees.

(13.3) The validity of Bid Security shall be up to ……………………*(specify the date)*

(14.1) The period of Bid Validity shall be119 days from the date of closing of Bid.

(17.2) (a) The inner and outer envelopes shall be addressed as follows:

The Chairman, Ministry Procurement Committee,

Procurement Division,

Ministry of Urban Development, Water Supply and Housing Facilities,

No. 35, “LakdiyaMedura”

New Parliament Road

Pelawatta

Battaramulla

Sri Lanka

(c) “Not to be opened before ………(Time) on ………….. (Date)”

(18.1)The Procurement Committee’s address for the purpose of Bid submission (and on

behalf of the Board) and Bid opening is;

The Chairman, Ministry Procurement Committee,

Procurement Division,

Ministry of Urban Development, Water Supply and Housing Facilities,

No. 35, “LakdiyaMedura”

New Parliament Road,

Pelawatta

Battaramulla

Sri Lanka

(18.2) The deadline for submission of Bid

Date:………………………. Time: ……………………………….

(21.1) The place for opening of Bids,

Ministry Procurement Committee,

Procurement Division,

Ministry of Urban Development, Water Supply and Housing Facilities,

No. 35, “LakdiyaMedura”

New Parliament Road,

Pelawatta

Battaramulla

Sri Lanka

Revised on 18-05-2020

(24.1) Add to Clause

If a Bid does not meet any one of the requirements (a), (b), (c) & (d) of Clause 24.1, it will be considered substantially non responsive and rejected by the Procurement Committee

(28.1) After evaluation of Bids in accordance with the procedures described under Clauses 23, 24, 25, 26, 27 and 28, the Employer will inform to all the bidders in writing the selection of the successful bidder and the intention of contract award to such bidder. The unsuccessful bidders if they so wish, within one week of such notice may make representation to the Ministry Procurement Appeal Board at the address given below.

Such representation shall be self-contained to enable the Appeal Board to arrive at a conclusion and a cash deposit to amount given below shall be made. The Appeal Board may request the bidder who had made representation to submit further evidence during the investigations. The cash deposit will be forfeited unless the Employer change the original contract award decision in favour of the bidder who has made such representation.

Address : The Secretary

Appeal Board,

Ministry of City Planning, Water Supply and Higher Education,

No. 35, “LakdiyaMedura”

New Parliament Road,

Pelawatta

Battaramulla

Cash Deposit: Rupees 25,000.00

* 1. The prevailing rate of stamp duty on contracts for supply of goods is nil.

(34.1) The amount of Performance Guarantee shall be 10% of the Contract Price.

Revised on 27-08-2019

**BIDDING DATA**

**Clause Reference Number**

**Instructions to Bidders**

(1) The bidder is expected to supply the following items of materials

……………..………………………………………………………………………………………..………………………………………………………………………………

2.2. **Qualification**

2.2 (a)

(i) Manufacturer shall be a NWSDB pre-qualified manufacturer having qualified to provide the pipes & fittings from ……….mm to ……… mm diameter range.(This will be verified during the bid evaluation with the details available in the NWSDB).

2.2 (b)

(i) Working Capital \*1 + present available credit facilities for the company\*2 + credit facilities exclusively for this contract - 0.1 x current work commitments\*3>Rs……………\*4

\*1 Working Capital = Current Assets – Current Liabilities

\*2 A letter to prove the availability of credit facilities issued by a Bank

within a month prior to date of closing of Bids.

\*3 current work commitment = work remaining uncompleted

(Documentary evidence to justify shall be submitted)

\*4 *15% of estimated cost of the Bid.*

(3.1) Add to Clause

a) The supplier shall not be allowed to state or supply any good apart from the pre-qualified lists of manufacturers given in Appendix-14 for relevant goods mentioned in Bills of Quantities in this document.

b) If there is no pre-qualified manufacturers list in Appendix-14 for any good mentioned in Bills of Quantities, the supplier shall state and provide all required details of manufacturer compliance with the Specifications given in Section 6 of this document.

(4) Funds required for this contract is available under …………………………………….

(6.2) The address for the purchasing of Bidding Document/clarification of Bidding

Document is

Assistant General Manager(Tenders & Contracts),

National Water Supply & Drainage Board(NWSDB),

Galle Road,Ratmalana.

FAX 94 -11 – 2635885 TEL. 94 - 11-2635885

Revised on 18-05-2020

(12.5) Add to the Clause 12.5

As an alternative the purchaser shall establish Telegraphic Transfer as stated in the Clause 16.3 of Contract Data.

(13.2) The amount of Bid Security shall be ........…………………............ Sri Lanka Rupees.

(13.3) The validity of Bid Security shall be up to ……………………*(specify the date)*

(14.1) The period of Bid Validity shall be 91 days from the date of closing of Bid.

(17.2) (a) The inner and outer envelopes shall be addressed as follows:

The Chairman, Department Procurement Committee,

C/o, Assistant General Manager (Tenders Contracts),

National Water Supply and Drainage Board,

Galle Road,Ratmalana,

Sri Lanka.

c) “Not to be opened before ………(Time) on ………….. (Date)”

(18.1) The Procurement Committee’s address for the purpose of Bid submission (and on behalf of the Board) and Bid opening is;

Department Procurement Committee,

C/o, Assistant General Manager (Tenders Contracts),

National Water Supply and Drainage Board,

Galle Road,Ratmalana,

Sri Lanka.

The deadline for submission of Bid

Date:………………………. Time: ……………………………….

* 1. The place for opening of Bids,

Department Procurement Committee,

C/o, Assistant General Manager (Tenders Contracts),

Tenders & Contract Branch,

National Water Supply and Drainage Board,

Galle Road,

Ratmalana,

Sri Lanka

(24.1) Add to Clause

If a Bid does not meet any one of the requirements (a), (b), (c) & (d) of Clause 24.1, it will be considered substantially non responsive and rejected by the Procurement Committee.

(32.2) The prevailing rate of stamp duty on contracts for supply of goods is nil.

(34.1) The amount of Performance Guarantee shall be 10% of the Contract Price.

Revised on 27-08-2019

**5. CONTRACT DATA**

* **GENERAL**
* **DELIVERYSCHEDULE**
* **PAYMENT SCHEDULE**

Revised on 10-10-2018

The Contract Data is a part of General Conditions of Contract and should be read in conjunction with the General Conditions of Contract.

If there is a discrepancy found in the General Conditions of Contract and the Contract Data, the Content in the Contract Data shall supersede the Content in the General Conditions of Contract.

Contract Data

Contract Data is a part of condition of contact and shall be read together. If any discrepancy is founds content of the contract Data shall supersede the conditions of contract

*(Please note that the Clause nos. given hereunder are that of Conditions of Contract)*

**Clause Reference Number**

### General Conditions of Contract

|  |  |
| --- | --- |
| 1.1 (g) | The Employer is  Name: National Water Supply and Drainage Board,  Address: Galle Road, Ratmalana  Authorized Representative of the employer is :  The Chairman,  National Water Supply& Drainage Board  Galle Road, Ratmalana. |
| 1.1 (i) | The Engineer is    General Manager,  National Water Supply and Drainage Board,  Galle Road, Ratmalana. |

3.2 The Engineer's Representative shall be the (PD/DGMof relevant

RSC) ……………………………………………………………………..

………………………………of the National Water Supply and Drainage Board.

10.2 The Goods shall be delivered at such places, in such quantities and within

such periods as prescribed in the attached Delivery Schedule.

Contract Period from the date of acceptance of bid is…………… days.

15.2 The validity of warranty shall be 36 months.

16.3 Add Sub-Clause 16.3 (b)

As an alternative the purchaser shall establish Telegraphic Transfer for the foreign component quoted in accordance with Clause 16.1 General Conditions of Contract less the local agency commission for an equivalent sum of not exceedingUS$ 50,000, for purchase of goods/ materials on submission of an unconditional, on demand advance payment guarantee equal to the value of Telegraphic Transfer, from a reputed Bank operating in Sri Lanka, by the bidder.

Validity of the advance payment guarantee shall be 28 days beyond the contract period.

Revised on 27-08-2019

Advance payment guarantee shall be released upon handing over goods at site and acceptance by the Engineer. If the supplier fails to deliver the goods on time up to the requested quality, this Advance payment guarantee shall be forfeited.

23.1 The amount of Liquidated Damages shall be Rs. ………..…. per day of delay.

Limit of Liquidated Damages shall not exceed 10% of Contract Price.

31.1 Purchaser’s address for notice purposes shall be as follows:

(a) General Manager,

National Water Supply and Drainage Board,

Galle Road,

Ratmalana,

Sri Lanka.

Facsimile Number: Colombo, 011-2635885

e – Mail : gmnwsdb@sltnet.lk

Supplier’s address for notice purposes shall be as follows:

…………………………………………………………….

…………………………………………………………….

…………………………………………………………….

…………………………………………………………….

Revised on 10-10-2018

Revised on 05-07-2012

Revised on 05-07-2012

DELIVERY SCHEDULE

[The Purchaser shall fill in this table, with the exception of the column “ Bidder’s offered Delivery date” to be filled by the Bidder]

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Item  No. | Description of Goods | Quantity | Final  Destination  *[insert place of Delivery]* | Delivery Date | |
| **Purchaser’s delivery date as per the contract** | **Bidder’s offered Delivery date *[to be***  ***provided by the bidder]*** |
|  | Bill No. 1 |  |  |  |  |
|  | Bill No. 2 |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
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|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

**PAYMENT SCHEDULE**

Letter of Credit will be opened by the Purchaser. No Advance payment will be made.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **STAGE OF PAYMENT** | | **STAGE OF CONTRACT** | | **DOCUMENT TO BE SUBMITTED** | **AMOUNT OF PAYMENT** | **REMARKS** |
| **(A) Foreign Payment** | | | | | | |
| 1 | First installment | On shipping the items part or fully | | * Copies of the Supplier’s invoice showing description of Goods, quantity, unit price, total amount and HS Code Number; * 3 copies of clean on-board bill of lading marked freight prepaid. * Copies of packing list identifying contents of each package and measurements * Manufacturer’s warranty certificate as per clause 15 hereof. * Inspection certificates, issued by the nominated inspection agency and the Pre-shipment Inspection Team. * Manufacturer’s Inspection and Test Certificate * Certificate of origin * Certificate of conformity to the standards specified in the specifications. * Inspection and test certificate by the NWSDB pre-shipment Inspection team. | 75% of foreign component of the items shipped on Letter of Credit. |  |
| 2 | Balance foreign component | Final acceptance by the Engineer based on the delivery and other obligations. | | On production of a Final Acceptance Certificate issued by the Engineer.  Engineer’s Representative’s approval for the balance payment of Foreign Component. | Balance 25% of the foreign component shall be paid on Letter of Credit | The total Contract Sum shall become payable within 60 days from the date of the Engineer’s Final Acceptance Certificate |
| **(B) Local Payment** | | | | | | |
| 3 | First Payment | | On delivery and stacking of the Goods at site | Document providing the delivered Goods are in compliance with the contract. | 90% of the Local component of the Contract Price less Agents commission and Bank charges | Sri Lanka Rupees  component by a cheque in favour of the supplier. |
| 4 | Balance Local Payment | | Final acceptance by the Engineer for the delivery and other obligations | A written request for balance payment in the form of an invoice based on the BOQ and Engineer’s approval for the payment | 10% of the Local component of the Contract Price less Agent’s commission and remaining Bank charges. | The total Contract Sum shall become payable within 60 days from the date of the Engineer’s Final Acceptance Certificate. |
| 5 | Agent’s Commission | | On Final Acceptance Certificate. | A written request for the Agent’s Commission and Engineer’s Representative’s approval for the payment | As requested by the Contractor in their offer. |  |

Revised on 10-10-2018

**6. SPECIFICATION**

* **SPECIFICATION FOR MECHANICAL 6n-1 6n-8**

**COUPLINGS, REPAIR CLAMPS &**

**FLANGE ADAPTORS**

* **SPECIFICATION FOR PVC/ABS/STAINLESS STEEL/BRONZE/DI/CI VALVES,**

**SHEAR GATES, SLIDE GATES AND**

**MANHOLE COVERS &FRAMES FOR**

**SEWERAGE APPLICATIONS 6x-1 6x-33**

* **SPECIFICATION FOR DI PIPES AND6bb-1 6bb-15**

**FITTINGS FOR SEWERAGEWORKS**

*Download and add*

*above Specifications*

*from “NWSDB web”*

*under the “Restrict Links”*

*when preparing the Bidding Document*

*Download and add*

*above Specifications*

*from “NWSDB web”*

*under the “Restrict Links” when preparing the Bidding Document.*

**7. SCHEDULE OF PARTICULARS**

**SCHEDULE OF PARTICULARS**

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1 DI Pipes and Fittings 7 - 2

2 Mechanical Couplings, Repair clamps and Flange Adaptors 7 - 5

3 Gate/Sluice Valves 7 – 6

4 Butterfly Valves 7 - 7

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* Specimen form of test certificate for Pipes and Fittings 7 - 19
* Specimen form of test certificate for Valves and Hydrants 7 - 20
* Specimen form of test certificate for Joint Rings and Gaskets 7 - 21
* Specimen form of test certificate for Nuts and Bolts 7 - 22
* Specimen form of test certificate for Manhole covers 7 - 23

**SCHEDULE OF PARTICULARS**

**1 DI PIPES AND FITTINGS**

1. Country of manufacture: (1) Pipes …………………………………………………………

(2) Fittings ……………………………………………………….

1. Manufacturers’ name and Address: (1) Pipes ……………………………………………..

……………………………………………………….

(2) Fittings ……………………………………………

………………………………………………………...

1. 1.3.1 Standards to which pipes and fittings conform:

(1) Pipes ………………………………….

(2) Fittings ……………………………….

1.3.2 No.of shipment proposed by the bidder : ………………………………………..

1. Is Certificate for conformity to standards from relevant standards Institution provided

to the factory/factories : (1) Pipes ………………….

(2) Fittings ………………..

1. Is ISO 9001:2015 Quality Management System Certificate provided to the factory/factories : (1) Pipes ……………………

:(2) Fittings …………………

1. Class of Pipes and fittings :

Class

S/S Pipes ………………..

Pipes with integral casted flanges ………………..

Pipes with factory welded flanges ………………..

Pipes with screwed flanges ……………….

Tees …………………

Bends & Other Fittings ……………….

1.7. Whether factory welded flange pipes tested for each flanged joint? ...............

1.8. Whether Pipes & Fittings are from same Manufacturer ?…………..

1.9 Gaskets, Joint rings and Lubricant :

1.9.1 Standard to which Gaskets, Joint rings conforms: ……………………………

1.9.2 Is Certificate for conformity to standards from relevant standards Institution provided

to the factory/factories : ………………

1.9.3 Is ISO 9001:2015Quality Management System Certificate provided to the

factory/factories : …………………..

Revised on 10-10-2018

1.10 Make of Gaskets, Joint rings and Lubricant :

Make

Gaskets ………………

Joint rings ………………

Lubricant ………………

1.11 Material of Gaskets, Joint rings and Lubricant :

Gaskets ………………

Joint rings ………………

Lubricant ………………

1.12. Hardness range of Gaskets and Joint Rings

Hardness Range (1RHD)

Gaskets ……………………

Joint Rings ……………………

1.13 Standard to which Flanges conform : ………………………………

1.14 Whether Flanges are integrally casted or Factory welded ? ……………………………

1.15 Type of external coating and grade : …………………………………………………….

1.16 Standard to which external coating conform: ……………………………………………

1.17 Type of internal coating/lining and standard: …………………………………………..

1.18 Standard to which nuts and bolts, washers conform and the type of material:

Standard …………………………………..

Material ……………………………………

1.19. Standard to which polyethylene sleeving conform and the colour

Standard ………………………….

Colour …………………………...

1.20 Quantity of joint protection materials required per flanged joint as per manufacturer’s

recommendation

Diameter Mastic Paste Tape uPVC/Polyethylene outer

(mm) /Primer (litres) (kg) (m) wrapping (m)

150 …………….. ………….. ………….. …………………….

200 ……………. …………. …………. …………………….

………. ……………. …………. …………. …………………….

……… ……………. ………… …………. …………………….

1.21 Port of shipment : …………………………………………………………………….

1.22 Packing and protection in transit : ………………………………….

1.23 Time of delivery: …………………………………………………….

1.24 Reference of the catalogues, technical literature, drawing provided with the Bid: …....

1.25 Name and address of the Supplier’s accredited agent in Sri Lanka: ……………………..

1.26 Deviations from specifications (if any): ………………………………………………….

1.27 Marking of Pipes and Fittings; Manufacturer’s Name and Class as

Embossed Cold Stamp

1.28Other Markings; Cast on

Cold Stamp Painted with an indelible paint

**2. MECHANICAL COUPLINGS, REPAIR CLAMPS AND FLANGE**

Revised on 15-11-2018

**ADAPTORS**

2.1 Country of manufacture :………………………….

2.2 Manufacturers’ Name and Address:………………………………………………………

2.3 Make, Material, Hardness Range and Standard :

Make Material Hardness Standard Date of

Range Manufacture

Sleeve: …………. ……….. N/A .………… ……………………..

Flange : …………. ……….. N/A ………… ……………………..

Gaskets: …………. ………. …………. ………… ……………………..

Joint Rings: …………. ……….. ………… ………… ……………………..

2.4 Type of external coating and thickness: …………………………………………………

2.5 Type of internal coating and lining: ………………………………………………………

2.6 Time of Delivery : ………………………………………………………………………

2.7. Port of Shipment: ……………………………………………………………………….

2.8 Reference of the catalogues, technical literature, drawings provided with the Bid :

2.9. Name and Address of supplier’s agent (if any) in Sri Lanka ………………………..

2.10. Deviations from Specifications (if any) : ………………………………………………..

2.11. Is ISO 9001 : 2015 Quality Management System Certificate provided to the Factory ………………..

**3. GATE/SLUICE VALVES**

Revised on 10-10-2018

3.1 Country of Manufacture : …………………………………………..

3.2 Manufacturer’s Name and Address: …………………………………

3.3 Date of Manufacture: ………………………………………………..

3.4. Standards to which valves conform …………………………………

3.5. Is certificate for conformity to standards from relevant Standards Institution provided to the factory/ factories …………………………….

3.6. Is ISO 9001 : 2015Quality Management System Certificate provided to the factory/

Factories ……………………….

3.7 Material

Body : ………………………………………………………

Spindle : …………………………………………………….

Metal faces and seal: ………………………………………….

3.8. Length between flanges (mm):…………..

3.9 End flanges - Pressure Rating: …………………………

Dimensions (mm): ………………………

Bolt Circle dia (mm): …………………………

3.10. Whether gearing arrangement Provided : ……………………….

Gear Ratio

Unbalanced head: ……………….. bars

Seat test pressure: ………………. bars

Body test pressure: ……………… bars

3.14. Internal protection : ………………………………………………………..

3.15. External protective finish: ………………………………………………………..

3.16. Weight of the valve …………….. kgs ………………………………

3.17. Packing and protection of valves in transit: ……………………………

3.18. Reference of the catalogues, technical literature and drawing provided with the Bid:

3.19. Port of shipment: ………………………………………..

Revised on 10-10-2018

3.20. Time of delivery of valves at the port of shipment: ……………………………………

3.21. Name and Address of Supplier’s accredited agent in Sri Lanka: ………………

3.22. Deviations from Specifications (if any):

4. **BUTTERFLY VALVES**

4.1 Country of Manufacture ……………………..

4.2 Manufacturer’s name and Address: ………………………………………………………

.. ……………………………………………………...

4.3 Date of Manufacture:…………………….

4.4 Standard to which valves conform: …………………………………….

4.5. Is certificate for conformity to Standards from relevant Standard Institution provided to the factory/ factories. ………………….

4.6 Is ISO 9001 :2015 Quality Management System Certificate provided to the factory/ factories. ………………………………….

4.7 Material

Valve body:

Valve disc:

Valve seat:

Shaft:

Shaft seals:

4.8 Valve body : Whether Rubber lined ? if so material : …………………….

4.8.1 Standards to which gaskets conforms :………………………………

4.8.2 Is certificate for conformity to Standards from relevant Standard Institution provided to gaskets :. ………………….

4.8.3 Is ISO 9001 : 2015 Quality Management System Certificate provided to the factory/ factories. ………………………………….

4.9. Face to face dimensions of the valves (mm) :…………….

Revised on 10-10-2018

* 1. End Flanges

Pressure rating:…………

Dimensions (mm):…………..

Bolt circle dia (mm):………………….

4.11. Standard to which nuts and bolts conform and the material:……………………..

4.12. The type of operating gear for the valve:……………………………..

4.13. Operating method of the valve (hand wheel/Tee key):…………………………….

4.14. Whether Gearing arrangement is provided : ……………….

Gear ratio of gearing:……………

Unbalanced head: ……………. Bars

Seat test pressure : …………………… Bars

Body test pressure ……………. Bars

4.15. Internal protective finish:

Material : ……………….

Thickness : ……………..

4.16. External protective finish:

Material : ………………….

Thickness : …………………

4.17.Weight of the valve: …………………. Kg

4.18. Packing and Protection of valves in transit: …………..

4.19. Reference of the catalogues, technical literature and drawings provided with the Bid:

……………………………………………………………………………………

4.20. Port of shipment: .………………………

4.21. Time of delivery of valves at port of shipment: ……………..

4.22. Name and Address of supplier’s agent (if any) in Sri Lanka: ……………………………

……………………………………………………………………………………………

4.23. Deviations from specifications (if any) :…………………………….

**5**. **AIR VALVES**

5.1. Country of Manufacture : …………………………

5.2 Manufacturer’s name and Address: ………………………………………………………

…………………………………………………………………………………………….

5.3 Date of Manufacture: ………………….

5.4 Is ISO 9001:2015 Quality Management System Certificate provided to the factory / Factories : …………………………………….

5.5. Type of Valve (single orifice/double orifice): ………………………………….

5.6. For large orifice air valves;

|  |  |
| --- | --- |
| Orifice dia  …………… mm | Minimum air outflow at 0.5 bar differential pressure ………………… m3 /min |
| Minimum air inflow at 0.2 bar differential pressure ………………… m3 /min |

5.7. For large orifice and Double orifice air valves; whether isolating valve has mitre gearing

for making it Tee key operated: ………………….

5.8. Make of material of Ball (Stainless Steel or Plastic):………………………….

5.9. Flanges (if applicable)

Pressure rating : …………..

Standard :………………….

Dimensions (mm) :………..

Bolt circle dia (mm):………

5.10. Seat test pressure : …………………. bars

5.11 Body test pressure : ………………… bars

5.12 Internal protective finish: ………….

5.13. External protective finish:………….

5.14. Weight of the valve :…………………… kg

5.15. Packing and protection of valves in transit: ………………..

5.16. Reference of the catalogues, technical literature and drawings provided with the Bid:

………………………………………………………………………………………..

5.17. Port of shipment: …………………………………….

Revised on 10-10-2018

5.17. Time of delivery of valves at port of shipment:…………………………

5.18. Name and Address of supplier’s agent (if any) in Sri Lanka: ……………………………...

……………………………………………………………………………………………….

5.19. Deviations from specifications (if any):………………………….

**6 CHECK VALVES**

6.1 Country of Manufacture : ………………………….

6.2 Manufacturer’s name and Address: …………………………………………………………

……………………………………………………………………………………………….

6.3 Date of Manufacture:………………………..

6.4 Standard to which valves conform: …………………………………………..

6.5 Is ISO 9001 : 2015 Quality Management System provided to the factory/

factories:………

6.6 Is product conformity certificate from relevant Standard Institution provided to the

Factory / factories :……………………

6.7 Is this Vertical Installation or Horizontal Installation :……………………..

6.8 Is this non Slam :………….

6.9 Is this Spring loaded : …………..

6.10 Material

Valve body: ……………….

Hinge pin and bushes:…………..

Disc:……………

Disc encapsulating material:…………..

6.11 End Flanges

Pressure rating:………….

Dimensions (mm):………

Bolt circle dia (mm):……..

Standard :…………………..

6.12. Face to face dimensions of the valve (mm) :…………

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6.13. Seat test pressure : …………………… bars

6.14. Body test pressure ……………. bars

6.15. Internal protective finish:………………

6.16. External protective finish:………………..

6.17. Weight of the valve: …………………. Kg

6.18. Packing and Protection of valves in transit:………………….

6.19. Reference of the catalogues, technical literature and drawings provided with the Bid:

……………………………………………………..

6.20. Port of shipment:…………………..

6.21. Time of delivery of valves at port of shipment:……………………….

6.22. Name and Address of supplier’s agent (if any) in Sri Lanka:………..

6.23. Deviations from specifications (if any):…………….

* 1. **PRESSURE REDUCING VALVES**

7.1 Country of Manufacture : ……………………………….

7.2 Manufacturers’ Name and Address: ……………………………………………………...

…………………………………………………………………………………………….

7.3 Date of Manufacture:…………….

7.4 Is ISO 9001:2015Quality Management System provided to the factory/ factories:……...

.. ………………………………………….

* 1. Is product conformity certificate from relevant Standard Institution provided to the

factory/ factories:……………………

* 1. Material

Main valve:……………..

Body:……………………

Internal valve:…………….

Indicator rod:……………..

Relay Valve

Body:…………………..

Spindle:…………………..

Diaphragm:………………….

Spring:……………………..

* 1. Length between flanges (mm):…………
  2. End Flanges

Pressure rating:……………

Dimensions (mm):………..

Bolt circle dia (mm):…………

Standard :………………………

* 1. Minimum running pressure difference: …………………… bars
  2. Minimum control pressure ……………. bars
  3. Internal protective finish:………………..
  4. External protective finish:………………….
  5. Weight of the valve: …………………. kg
  6. Packing and Protection of valves in transit:…………

Revised on 10-10-2018

* 1. Reference of the catalogues, technical literature and drawings provided with the Bid: …...

……………………………………………………………………..

* 1. Port of shipment:………………………..
  2. Time of delivery of valves at port of shipment:…………………..
  3. Name and Address of supplier’s agent (if any) in Sri Lanka:…………………………….
  4. Deviations from specifications (if any):………………………………….

**8. PRESSURE SUSTAINING/RELIEF VALVES**

* 1. Country of Manufacture :………………………………………………..
  2. Manufacturer’s name and Address:………………………………………………………
  3. Date of Manufacture:………………………..
  4. Is ISO 9001 : 2015 Quality Management System provided to the factory/ factories ………………….
  5. Is product conformity certificate from relevant Standard Institution provided to the factory/ factories:……………………
  6. Material

Main valve:…………..

Body:……………………

Internal valve:…………

Indicator rod:……………..

Relay Valve

Body:…………………..

Spindle:…………………..

Diaphragm:………………

Spring:…………………….

* 1. Length between flanges (mm):…………
  2. End Flanges

Pressure rating:………………

Dimensions (mm):………………..

Bolt circle dia (mm):…………….

Standard :……………………….

Revised on 10-10-2018

* 1. Internal protective finish:………………
  2. External protective finish:………………..
  3. Weight of the valve: …………………. kg
  4. Packing and Protection of valves in transit:………………….
  5. Reference of the catalogues, technical literature and drawings provided with the Bid:

………………………………………………………………

* 1. Port of shipment:…………………………
  2. Time of delivery of valves at port of shipment:………………………….
  3. Name and Address of supplier’s agent (if any) in Sri Lanka:……………………………
  4. Deviations from specifications (if any):………………..

1. **ALTITUDE VALVES**

9.1 Country of Manufacture :…………………

9.2. Manufacturer’s name and Address:…………………………………………………….

……………………………………………………………………………………………

9.3. Date of Manufacture:………………………..

9.4. Is ISO 9001 : 2015 Quality Management System provided to the factory/ factories ……

9.5 Is Product Conformity Certificate from relevant Standard Institution provided to the

factory/ factories……………………

* 1. Material

Main valve:…………..

Body:……………………

Internal valve:…………….

Indicator rod:………………

Relay Valve

Revised on 10-10-2018

Body:……………..

Spindle:……………

Diaphragm:………….

Spring:………………..

* 1. Length between flanges (mm):……………
  2. End Flanges

Pressure rating:……………….

Dimensions (mm):…………….

Bolt circle dia (mm):…………

Standard :…………………………

* 1. Minimum head required at valve inlet:…………………
  2. Internal protective finish:…………………
  3. External protective finish:………………….
  4. Weight of the valve: …………………. kg
  5. Packing and Protection of valves in transit:…………………….
  6. Reference of the catalogues, technical literature and drawings provided with the Bid:

…………………………………………………………..

* 1. Port of shipment:…………………………
  2. Time of delivery of valves at port of shipment:…………………….
  3. Name and Address of supplier’s agent (if any) in Sri Lanka:……………………………
  4. Deviations from specifications (if any):…………………………………

1. **BALL FLOAT VALVES**

## 10.1 Country of Manufacture :…………………………….

### 10.2. Manufacturer’s name and address : ………………………………………………

## 10.3. Date of Manufacture:……………………..

10.4 Is ISO 9001 : 2015 Quality Management System provided to the factory/ factories

……………………….

10.5. Is product conformity certificate from relevant Standard Institution provided to the

factory/ factories……………………

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## Body test pressure:……………….

## End Flanges

Pressure rating:…………………..

Dimensions (mm):………………..

Bolt circle dia (mm):……………..

Standard:…………………………………

## Material

Valve Body:……………………

Float:………………………….

Lever and links:…………………..

## Body test pressure: ……………… bars

## 10.10. Close assembly test pressure ………………… bars

## 10.11 Weight of the valve: …………………. kg

## 10.12 Packing and Protection of valves in transit:……………………………….

## 10.13 Reference of the catalogues, technical literature and drawings provided with the Bid:

…………………………………………………………..

## 10.14 Port of shipment:………………………………

## 10.15 Time of delivery of valves at port of shipment:………………………….

## 10.16 Name and Address of supplier’s agent (if any) in Sri Lanka:………………………..

## 10.17 Deviations from specifications (if any):………………………………..

**11. FLAP VALVES**

## Country of Manufacture :……………………….

## Manufacturer’s name and Address:……………………………………………………

## Date of Manufacture:…………………………

* 1. Is ISO 9001 : 2015 Quality Management System provided to the factory/ factories ……………………
  2. Is product conformity certificate from relevant Standard Institution provided to the factory/ factories……………………

## Material

Frame and door:…………………

Sealing:………………..

Hinge pin:…………….

Links:………………….

## Flanges

Pressure rating:………

Dimensions (mm):………….

Bolt circle dia (mm):…………..

Standard :……………………

## Weight of the valve: …………………. kg

## Packing and Protection of valves in transit:………………

## Reference of the catalogues, technical literature and drawings provided with the

## Bid:…………………………..

## Port of shipment:…………………………

## Time of delivery of valves at port of shipment:…………………….

## Name and Address of supplier’s agent (if any) in Sri Lanka:………………….

## Deviations from specifications (if any)…………………………..

Revised on 10-10-2018

1. **SURFACE BOXES AND MANHOLE COVERS**
   1. Country of Manufacture :…………………………….
   2. Manufacturer’s name and Address :………………………………………………….
   3. Material :………………………………………
   4. Class, Make, Standard and Date of Manufacture

Class Make Standard Date of Manufacture

Manhole Covers : ……… ……….. ………… ………………

Surface Boxes : ………. ………. …………. …………………

* 1. Coating :…………………..
  2. Lifting arrangements:

Manhole Covers :………………

Surface Boxes :……………………

* 1. Name and Address of Supplier’s agent (if any) in Sri Lanka :……………………….
  2. Port of Shipment:……………………………
  3. Time of Delivery of Material at port of shipment:………………………….
  4. Deviations from Specification (if any):…………………………..

I/We certify that the details given above are true and the Goods supplied under this Contract comply with above.

........................................

Signature of the Supplier

**Note: Copies of the relevant standards used for pipes, specials and fittings should be forwarded along with the offer.**

**8. DEVIATION FROM SPECIFICATION**

**DEVIATIONS FROM SPECIFICATIONS**

**Preamble**

The Bidder is required to list any deviations of materials workmanship etc. from the Specifications including such information as has already been given elsewhere in the Bidding Documents. The information shall be in sufficient detail to enable the Engineer to make a realistic assessment of the effect of such deviations on the performance or life of the materials to be supplied and also such deviation if any shall be subject to Clause 24 of Instructions to Bidders.

The list shall also include deviations from the Specifications relating to the mode of operation and/or control of any item of equipment, and any deviations from the specified design requirements for plant components.

**Deviations**

Note:

Additional sheets should be attached as necessary

Revised on 27-08-2019

**9. KEY FEATURES OF SPECIFICATIONS**

##### KEY FEATURES OF SPECIFICATIONS

##### Some of the salient features of the specifications aresummarized below to furnish a quick reference. The Bidders are under obligations to refer the whole of the specifications in their entirety prior to perfecting their bidding documents, and will be deemed to have done so during the bidding stage.

|  |  |  |
| --- | --- | --- |
| **Feature** | **Description** | **Standard of Conformity** |
| Class of |  |  |
| * Socket and spigot pipes | C 40 | ISO 7186 : 2011 and BSEN 598 : 2009 |
| * Pipes with factory welded flanges | C 40 |
| * Pipes with integral flanges | C 40 |
| * Fittings except Tees and Crosses | C 40 |
| * Tees and crosses | C 40 |
| Length of Pipes |  | ISO 7186 : 2011 and BSEN 598:2009  BSEN 1092 – 2:1997 |
| Pressure rating of flanges | PN 16 |
| External coating of pipes and fittings | Metallic zinc on zinc rich paint followed by two coats of bituminous based black paint or an approved coat of epoxy | ISO 8179-I, II  BS 3416:1991 Type II |
| Internal lining of pipes and fittings | Cement mortar | ISO 7186 : 2011  BSEN 598:2009  ISO 4179 : 2005  ISO 6600 : 1980 |
| The material for Joint Rings | EPDM | BSEN 681-1 : 1996 |
| The dual hardness of rings |  |  |
| * Heal of the ring * Bulb of the ring | 76-84 1RHD  46-55 1RHD | BSEN 681-1 : 1996  BSEN 681-1 : 1996 |
| The material for Gasket and Hardness Range | EPDM, 76-84 1RHD | BSEN 681-1 : 1996 |
| The material for Nuts, Bolts and washers | High Tensile Steel | BSEN 14399 : Part 2: 2005 |
| The colour for polyethylene sleeving | Blue | BS 6076 : 1996  ISO 8180 : 2006 |
| The hardness of |  |  |
| * Pipes * Fittings and accessories | 230 HB  250 HB | ISO6506 |
| Protective coating of Mechanical couplings, Repair clamps and Flange Adaptors | Polymeric anti-corrosion coating in accordance with WIS 4-52-01 Class B with a coating thickness of not less than 250 microns. |  |

|  |  |  |
| --- | --- | --- |
| **Feature** | **Description** | **Standard of Conformity** |
| The material for valve Body | Ductile Iron | BS EN 1563 : 2018 |
|  |  |  |
|  |  |  |
| Sluice Valves |  |  |
| * Up to 600 mm * Above 600 mm | Shall comply with  Shall comply with | BS 5163 : 2004  BS5150 : 1990 |
| Butterfly Valves | Shall comply with | BSEN 593 : 2004 |
| Check valves | Shall comply with | BSEN 12334 : 2001 |
| Fire Hydrants |  |  |
| * Screw down Type | Shall comply with | BS 750 : 2006  (type 2) |
| * Dry barrel Type | Shall comply with | AWWA C 502-80 |
| Surface Boxes |  |  |
| * Material | Ductile Iron | BS 5834:Part 2:1983 |
| * Grade | Heavy duty |  |
| Manhole covers and frames |  |  |
| * Material | Ductile Iron | BS EN 124 : 1994 |
| * Class | Heavy Duty |  |
|  |  |  |

Revised on 18-05-2020

**10. BILLS OF QUANTITIES**

* **PREAMBLE NOTES ON PRICING**
* **BILLS OF QUANTITES**
* **SUMMARY OF BILLS**

**PREAMBLE NOTES ON PRICING**

1. **General**

1.1 The bidder's attention is specifically directed to the Form of Bid, Instructions to Bidders, Conditions of Contract, Contract Data, Delivery Schedule, Schedule of Particulars and Specifications which are to be read in conjunction with the Bills of Quantities. The following notes are given to assist in pricing the Bills of Quantities and enable the supplier to arrive at the total Bid Price. The Bidder shall insert rates and prices for the supply and delivery of **DI pipes, fittings, specials, accessories and DI valves** for sewerage works in strict accordance with the specifications.

2. **Description of Items**

2.1 Descriptions attached to the items in the Bills of Quantities are only in sufficient detail to ensure identification of the work described in the specification.

3. **Rates and prices**

3.1 In pricing the items of the Bills of Quantities, the bidder shall cover himself and will be deemed to have covered himself for:

a) All services and materials which according to the true intent and meaning of the contract may be reasonably inferred as necessary for completion of delivery of the materials in sound condition to the Stores which is specified in Contract data.

b) All the duties, obligations, liabilities and responsibilities which the Contract documents place upon the bidders in connection with or in relation to the Contract.

3.2 In pricing the items of the Bills of Quantities, the bidder shall cover himself and will be deemed to have covered himself for:

a. All services and goods which according to the true intent and meaning of the contract may be reasonably inferred as necessary for completion of delivery of the goods in sound condition to the Stores which is specified in Contract Data.

b. All the duties, obligations, liabilities and responsibilities which the Contract documents place upon the bidders in connection with or in relation to the Contract.

c. All costs arising out of inspection except inspection as per Clause 8 of General Conditions of Contract, testing, packing, transportation, clearing, loading, unloading, stacking, shipping line charges, warehouse rent, port chargers, any demurrages, Agents Commission if any and other minor expenses.

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* + - * 1. All Costs including all taxes and duties and other charges imposed

outside Sri Lanka on raw materials, production, manufacture, sales, transport and any other cost that may be incurred of all goods.

* + - * 1. Import duties, business taxes, income and all other taxes except customs duty and port charges that may be levied in purchaser’s country ( Sri Lanka).
        2. Cost of accessories not specially listed, but necessary for proper completion
        3. Price charged by the supplier for the preceding incidental services.
        4. Custom’ duties, import license fees and port charges levied on the goods supplied under contract shall be directly paid by the Purchaser as per Clause 32.4 of the General Conditions of Contract

3.3 Bidder shall include FOB price under Foreign cost and all local costs which are incurred in Sri Lanka including Agency Commission under Local Cost. Freight, cost of pre-shipment inspection by Employer and Inspection and Testing by Independent Testing Agency shall be included in the summary ofeachBill. Total of the Summary of each bill shall be carried forward to “Summary of Bills”.

3.4. FOB, Freight, C&F Agency commission and other Local Cost shall be given in the “Breakdown of summary of Bills and they shall be used only” for Evaluation and payment purposes. “Other Local Cost” means all local expenses excluding agency commission.

3.5. Insurance shall be done by the Purchaser.

3.6 Shipping shall be done as specified in the Clause 37 of Instruction to Bidders.

4. **Schedule of Particulars**

a) The bidders are necessarily be required to complete fully the schedule of particulars given in the Bidding document for pipes, fittings, specials, valves, manhole covers etc.

b) where catalogues, technical literature and drawings accompanying the bid, their references should be quoted in the Schedule of Particulars;

c) Where the bidder's specification is not conforming to the minimum specification, the offer will not be accepted;

5. A rate and/or price is to be entered against each item in the Bills of Quantities whether quantities are stated or not. If a bidder does not quote for a item of a bill , the particular bill shall be considered as incomplete and that bill shall not be taken for evaluation.

6. The Bills of Quantities contains metric sized pipes fittings specials and valves only.

Revised on 27-08-2019

7. The bidder shall include in the unit price for DI pipes, fittings, specials, accessories and DI valves for sewerage works and the cost of all materials required for jointing of pipes, (Rubber rings, lubricant, bolts, nuts, washes and gaskets for flanged fittings etc.) **unless separate items are provided.**

8. All loose items such as nuts, bolts, washers and rubber rings shall be separately packed in accordance with the relevant sub-section in the Bills of Quantities with a maximum weight of 100 kg.

9. Cost of combined allowance for pre-shipment inspection for two Engineers by the Employer shall be for the entire duration as per the Clause 8.2 of the Conditions of Contract. If any shortage is found, the supplier shall bear the additional cost.

10. Cost of Inspection and Testing by the Independent Inspection and Testing Agency shall be as per the Clouse 8 of the Conditions of Contract.

11. The rates and/or prices entered against items in the Bills of quantities shall be excluding the VAT as the VAT is considered separately.

Revised on 18-05-2020

**SUPPLY AND DELIVERY OF DI PIPES, FITTINGS, SPECIALS, ACCESSORIES, DI VALVES, MANHOLE COVERS AND SURFACE BOXES FOR SEWERAGE WORKS**

**………………………………………………. SEWERAGE SCHEME**

**CONTRACT No. ……………………………………**

**BILL No. 01**

**Note:** (1) All spigot and socket pipes shall be of class C 40.

(2) All flange pipes shall be of class C 40.

(3) All fittings except tees & crosses shall be of class C 40.

(4) All tees and crosses shall be of class C 40.

(5) All flanges shall be PN 16 unless otherwise stated.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Item No.** | **Description** | **Qty** | **Unit** | **Rate** | | **Amount** | |
|  |  |  |  | **Foreign**  **(FOB) USD** | **Local SLRs.** | **Foreign**  **(FOB) USD** | **Local SLRs.** |
| 01  02  03  04  05  06  07  08  09 | **CLASS C 40; SPIGOT & SOCKET PIPES**  **Spigot and Socket Straight Pipes (excluding joint rings & lubricant)**  250 mm dia.  **EPDM Joint Rings for above spigot & socket pipes (including 10% extra)**  250 mm dia.  Lubricant for above spigot & socket pipes (including 10% extra) CLASS C 40; FLANGED PIPES & FITTINGS **DI Double Flanged Straight Pipes (excluding gaskets, nuts & bolts)**  250mm dia.(4000mm long)  250mm dia.(1500 mm long)  250mm dia.(3000mm long)  **Sets of Nuts and Bolts including two Washers for each nut for above double flanged pipes**  250mm dia.(4000mm long)  250mm dia.(1500 mm long)  250mm dia.(3000mm long) |  | m  nr  kg  m  m  m  Sets Sets  Sets |  |  |  |  |
|  | Total of page No. 10- … carried to  Summary in page 10 – …. |  |  |  |  |  |  |

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|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Item No.** | **Description** | **Qty** | **Unit** | **Rate** | | **Amount** | |
|  |  |  |  | **Foreign**  **(FOB)**  **USD** | **Local SLRs.** | **Foreign**  **(FOB)**  **USD** | **Local SLRs.** |
| 10  11  12  13  14  15  16  17  18  19  20  21  22  23  24  25  26  27  28  29  30  31  32  33 | **EPDM Gaskets for above double flange pipes**  250mm dia.(4000mm long)  250mm dia.(1500 mm long)  250mm dia.(3000mm long) CLASS C 40; FLANGED PIPES & FITTINGS **DI Double Flanged Straight Pipes (excluding gaskets, nuts & bolts)**  80 mm dia. 80 mm dia.  100 mm dia.  150 mm dia.  200 mm dia.  ……….……….  ………………..  ..………………  **Sets of Nuts and Bolts including two Washers for each nut for above double flanged pipes**  80 mm dia.  100 mm dia.  150 mm dia.  200 mm dia.  ……….……….  ………………..  ..………………  **EPDM Gaskets for above double flange pipes**  80 mm dia.  100 mm dia.  150 mm dia.  200 mm dia.  ……….……….  ………………..  ..……………… |  | nr  nr  nr  m  m  m  m  m  Sets  Sets  Sets  Sets  nr  nr  nr  nr |  |  |  |  |
|  | Total of page No. 10 - ….. carried to  Summary in page 10 – ….. |  |  |  |  |  |  |

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|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Item No.** | **Description** | **Qty.** | **Unit** | **Rate** | | **Amount** | |
|  |  |  |  | **Foreign**  **(FOB)**  **USD** | **Local SLRs.** | **Foreign**  **(FOB)**  **USD** | **Local SLRs.** |
| 34  35  36  37  38  39  40  41  42  43  44  45  46  47  48  49  50  51  52  53  54  55  56  57  58  59 | **DI Flanged and Plain Ended Straight Pipes (excluding gasket, nuts & bolts)**  80 mm dia. (……………………. mm long)  100 mm dia.(……………………. mm long)  150 mm dia.(……………………. mm long)  200 mm dia.(……………………. mm long)  ……….……….  ………………..  ..………………  **Sets of Nuts and Bolts including two Washers for each nut for above flanged and plain ended pipes**  80 mm dia.  100 mm dia.  150 mm dia.  200 mm dia.  ……….……….  ………………..  ..………………  **EPDM Gaskets for above flanged and plain ended pipes**  80 mm dia.  100 mm dia.  150 mm dia.  200 mm dia.  ……….……….  ………………..  ..………………  **DI Double Socketed Bends (excluding joint rings and lubricant)**  80 mm dia. 90 deg.  80 mm dia. 45 deg.  80 mm dia. 22½ deg.  80 mm dia. 11¼ deg.  100 mm dia. 90 deg.  100 mm dia. 45 deg.  100 mm dia. 22½ deg. |  | nr  nr  nr  nr  nr  Sets  Sets  Sets  Sets  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr |  |  |  |  |
|  | Total of page No. 10 - … carried to  Summary in page 10 – …. |  |  |  |  |  |  |

Revised on 18-05-2020

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| **Item No.** | **Description** | **Qty** | **Unit** | **Rate** | | **Amount** | |
|  |  |  |  | **Foreign**  **(FOB)**  **USD** | **Local SLRs.** | **Foreign**  **(FOB)**  **USD** | **Local**  **SLRs.** |
| 60  61  62  63  64  65  66  67  68  69  70  71  72  73  74  75  76  77  78  79  80  81  82  83  84  85  86  87  88 | 100 mm dia. 11¼ deg.  **…………………..**  **…………………..**  **EPDM Joint Rings for above bends (including 10% extra)**  80 mm dia.  100 mm dia.  150 mm dia.  200 mm dia.  ……….……….  ………………..  Lubricant for above bends (including 10% extra)  **DI Double Flanged Bends (excluding gaskets, nuts & bolts)**  80 mm dia. 90 deg.  80 mm dia. 45 deg.  80 mm dia. 22½ deg.  80 mm dia. 11¼ deg.  ……….. mm dia 90 deg.  ……….. mm dia. 45 deg.  ……….. mm dia 22 ½ deg.  ……….. mm dia. 11 ¼ deg.  ……….. mm dia ……. deg.  ……….. mm dia. …….deg.  ……….. mm dia ……. deg.  ……….. mm dia. …….deg.  **Sets of Nuts & Bolts, including two Washers for each nut for above double flanged bends**  80 mm dia.  100 mm dia.  150 mm dia.  200 mm dia.  ……………  ……………  …………… |  | nr  nr  nr  nr  nr  kg  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  Sets  Sets  Sets  Sets |  |  |  |  |
|  | Total of page No. 10–… carried to  Summary in page 10 – …. |  |  |  |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Item No.** | **Description** | **Qty** | **Unit** | **Rate** | | **Amount** | |
|  |  |  |  | **Foreign**  **(FOB)**  **USD** | **Local SLRs.** | **Foreign**  **(FOB)**  **USD** | **Local**  **SLRs.** |
| 88  89  90  91  92  93  94  95  96  97  98  99  100  101  102  103  104  105  106  107  108  109  110  111  112  113  114  115  116 | **EPDM Gaskets for above bends**  80 mm dia.  100 mm dia.  150 mm dia.  200 mm dia.  ……………….  ……………….  ……………….  **DI All Socket Concentric Tapers complete with EPDM Joint Rings and Lubricant**  200 - 80 mm dia.  400 - 100 mm dia.  ………………..  ..………………  ………………..  ………………..  **DI All Flanged Concentric Tapers complete with EPDM Gaskets, Nuts & Bolts**  200 - 80 mm dia.  400 - 100 mm dia.  ……………….  ……………….  **DI All Flanged Level Invert Tapers complete with EPDM Gaskets, Nuts & Bolts**  200 - 80 mm dia.  400 - 100 mm dia.  ……………….  **……………….**  **DI Bell mouth complete with EPDM Gaskets, Nuts & Bolts**  80 mm dia.  100 mm dia.  150 mm dia.  200 mm dia.  ……………….  ……………….  ……………….  ………………. |  | nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr |  |  |  |  |
|  | Total of page No. 10 - … carried to  Summary in page 10 – … |  |  |  |  |  |  |

Revised on 18-05-2020

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Item No.** | **Description** | **Qty** | **Unit** | **Rate** | | **Amount** | |
|  |  |  |  | **Foreign**  **(FOB)**  **USD** | **Local SLRs.** | **Foreign**  **(FOB)**  **USD** | **Local SLRs.** |
| 117  118  119  120  121  122  123  124  125  126  127  128  129  130  131  132  133  134  135  136  137  138 | **DI All Socketed Duck Foot Bends complete with EPDM Joint Rings and Lubricant**  80 mm dia.  100 mm dia.  150 mm dia.  ……….……….  ………………..  ..………………  **DI All Flanged Duck Foot Bends complete with EPDM Gaskets, Nuts & Bolts**  80 mm dia.  100 mm dia.  150 mm dia.  ……….……….  ………………..  ..………………  **DI Flange Adaptors complete with Fastners and Sealing Rings**  80 mm dia.  100 mm dia  150 mm dia.  ..………………  **DI Couplings complete with Fastners and Sealing Rings**  80 mm dia.  100 mm dia.  150 mm dia.  ……………….  ……………….  ………………. |  | nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr |  |  |  |  |
|  | Total of page No. 10 - … carried to  Summary in page 10 – …. |  |  |  |  |  |  |

Revised on 18-05-2020

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Item No.** | **Description** | **Qty** | **Unit** | **Rate** | | **Amount** | |
|  |  |  |  | **Foreign**  **(FOB)**  **USD** | **Local SLRs.** | **Foreign**  **(FOB)**  **USD** | **Local**  **SLRs.** |
| 139  140  141  142  143  144  145  146  147  148  149  150 | **DI Stepped Coupling complete with Sealing Rings and Fastners suitable for connecting DI pipes to CI pipes**  100 dia. DI - 200 dia DI  150 dia. DI - 250 dia. DI  ……………..  ……………..  ……………..  **DI Blank Flange complete with EPDM Gaskets, Nuts & Bolts**  50 mm dia.  80 mm dia.  100 mm dia.  ………………..  ……….……….  ………………..  ..……………… |  | nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr |  |  |  |  |
|  | Total of page No. 10 - … carried to  Summary in page 10 – …. |  |  |  |  |  |  |

Revised on 18-05-2020

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Item No.** | **Description** | **Qty** | **Unit** | **Rate** | | **Amount** | |
|  |  |  |  | **Foreign**  **(FOB)**  **USD** | **Local SLRs.** | **Foreign**  **(FOB)**  **USD** | **Local**  **SLRs.** |
| 151  152  153  154  155  156  157  158  159  160  161  162  163  164  165  166  167  168  169  170  171  172  173  174  175  176  177  178 | **CLASS C 40; TEES**  **DI All Socketed Tees complete with EPDM Joint Rings and Lubricant**  80 x 100 mm dia.  80 x 150 mm dia.  100 x 150 mm dia.  100 x 200 mm dia.  …………………..  …………………..  …………………..  **DI All Flanged Tees complete with EPDM Gaskets, Nuts & Bolts**  80 x 100 mm dia.  80 x 150 mm dia.  100 x 150 mm dia.  250 x 350 mm dia.  ………………….  ……..…………..  ………………….  **DI All Flanged Reducing Tees complete with EPDM Gaskets, Nuts & Bolts**  80 x 100 mm dia.  100 x 150 mm dia.  150 x 200 mm dia.  250 x 350 mm dia.  …………………  …………………  …………………  **Socketed Tees with Flanged branch complete with EPDM Gaskets, Joint Rings, Nuts & Bolts and Lubricant.**  80 x 100 mm dia.  80 x 150 mm dia.  100 x 150 mm dia.  100 x 200 mm dia.  ………………….  ………………….  …………………. |  | nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr |  |  |  |  |
|  | Total of page No. 10 - … carried to  Summary in page 10 – … |  |  |  |  |  |  |

Revised on 18-05-2020

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Item No.** | **Description** | **Qty** | **Unit** | **Rate** | | **Amount** | |
|  |  |  |  | **Foreign**  **(FOB)**  **USD** | **Local SLRs.** | **Foreign**  **(FOB)**  **USD** | **Local**  **SLRs.** |
| 179  180  181  182  183  184  185  186  187  188  189  190  191  192  193  194  195  196  197  198  199  200 | **DI All Flanged Level Invert Tees complete with EPDM Gaskets, Nuts and Bolts**  80 x 100 mm dia.  80 x 150 mm dia.  100 x 150 mm dia  …………………..  …………………..  …………………..  **DI Level Invert Socketed Tees with Flanged branch complete with EPDM Gaskets, Joint Rings, Nuts and Bolts and Lubricants.**  80 x 100 mm dia.  80 x 150 mm dia.  100 x 150 mm dia.  ………………….  .…………………  ………………….  **Class D, DI Surface Box with clear opening**  ……………… mm x ……………mm  ……………… mm x …………… mm  **Class D, DI Manhole Cover complete with Frame with clear opening**  …………………… mm dia.  …………………… mm dia.  …………………… mm dia.  **A sufficient quantity of profiling mastic material, tape and primer compound for protecting all flanged joints and couplings described in Bill No. 01 (Catalogue or printed literature to be furnished with the offer to justify the quality and quantity of the product. A sample should be provided with the offer. Tape overlap shall be 55%.**  **(No of quantity calculation sheet for each dia. Joint shall be submitted)**  80 mm dia. (…………….. No. of joints)  100 mm dia. (……………...No. of joints)  150 mm dia. (……………...No. of joints)  ……….……… (…………..…No. of joints)  ..……………… (………….. No. of joints)  Width of tape provided ……………………  Length of tape provided ………………….. |  | nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  nr  Lump sum  Lump sum  Lump sum |  |  |  |  |
|  | Total of page No. 10 - …. carried to  Summary in page 10 – …. |  |  |  |  |  |  |

**SUMMARY OF BILL NO. 01**

Revised on 18-05-2020

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| --- | --- | --- | --- |
| **Page Number** | **Unit** | **Amount** | |
| **Foreign Cost**  **USD** | **Local Cost**  **(SL Rs.)** |
| Total of Page No. 10 – …  Total of Page No. 10 – …  Total of Page No. 10 – …  Total of Page No. 10 – …  Total of Page No. 10 – …  Total of Page No. 10 – …  Total of Page No. 10 – …  Total of Page No. 10 – …  Total of Page No. 10 - …  ………………………………………………  ………………………………………………  ……………………………………………… | -  -  -  -  -  -  -  -  - |  |  |
| Freight | Sum |  |  |
| Incidental allowance and Combined allowances for Pre- shipment Inspection for two Engineers by Employer as per Clause No. 8.2 of Conditions of Contract.  No.of Pre-shipment inspection ………….. (to be filled by the bidder). | Sum |  |  |
| Cost of Inspection and Testing by Independent Testing & Inspection Agency | Sum |  |  |
| Summary of Bill No. 01 Carried to  the Page No. 10 – …. | - |  |  |

Name of the Inspection Authority :

………………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………

Revised on 18-05-2020

Revised on 21-06-2012

**SUPPLY AND DELIVERY OF DI PIPES, FITTINGS, SPECIALS, ACCESSORIES, DI/CI VALVES, MANHOLE COVERS AND SURFACE BOXES FOR SEWERAGE WORKS**

**………………………………………………. SEWERAGE SCHEME**

**CONTRACT No. ……………………………………..**

**Bill No. 02 - Supply of DI Valves, Accessories, Manhole Covers & Surface Boxes**

Note: 1. All Valves shall be suitable for operation with a Valve Key unless otherwise stated.

2. All Flanges shall be of PN 16.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Item** | **Description** | **Qty.** | **Unit** | **Rate** | | **Amount** | |
| **No.** |  |  |  | **Foreign**  **(FOB)**  **USD** | **Local SLRs.** | **Foreign**  **(FOB)**  **USD** | **Local SLRs.** |
| 01  02  03  04  05  06  07 | **VALVES**  **Sluice Valves**  **DI Double Flanged Sluice Valves suitable for Valve Key operation, complete with Gaskets and Nuts & Bolts.**  80 mm dia. (depth of installation is … m below Ground level . and maximum unbalanced pressure is …. bars)  100 mm dia. (depth of installation is … m below Ground level . and maximum unbalanced pressure is …. bars )  150 mm dia (depth of installation is … m below Ground level and maximum unbalanced pressure is …. bars)  DI Double Flanged Sluice Valves suitable for Valve Key Operation  200 mm dia. (depth of installation is … m below Ground level and maximum unbalanced pressure is …. bars)  250 mm dia. (depth of installation is … m below Ground level and maximum unbalanced pressure is …. bars)  300 mm dia. (depth of installation is … m below Ground level . and maximum unbalanced pressure is …. bars)  ……. mm dia. (depth of installation is … m below Ground level . and maximum unbalanced pressure is …. bars) |  | nr  nr  nr  nr  nr  nr  nr |  |  |  |  |
|  | Total of page No. 10 - … carried to  Summary in page 10 – … |  |  |  |  |  |  |

Revised on 18-05-2020

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Item** | **Description** | **Qty.** | **Unit** | **Rate** | | **Amount** | |
| **No.** |  |  |  | **Foreign**  **(FOB)**  **USD** | **Local SLRs.** | **Foreign**  **(FOB)**  **USD** | **Local SLRs.** |
| 08  09  10  11  12  13  14  15  16 | **AIR VALVES**  25 mm dia. Single Orifice Screw Down type Air Valve with Isolating Cock.  **25 mm dia. Single Orifice Flanged type Air Valve complete with Isolating Cock, Gaskets, Nuts & Bolts to suit branch dia;**  80 mm branch dia.  100 mm branch dia.  Double Orifice Flanged type Air Valve complete with Double Flanged Isolating Gate Valve (key operated), Gaskets, Nuts & Bolts to suit branchdia  80 mm branch dia.  100 mm branch dia.  Fire Hydrant Assemblies Screw Down (Type 2: BS 750) for DI Pipes  80 mm dia  100 mm dia  …………….  ……………. |  | nr  nr  nr  nr  nr  nr  nr  nr  nr |  |  |  |  |
|  | Total of page No. 10 – … carried to  Summary in page 10 – … |  |  |  |  |  |  |

Revised on 18-05-2020

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Item No.** | **Description** | **Qty** | **Unit** | **Rate** | | **Amount** | |
|  |  |  |  | **Foreign**  **(FOB)**  **USD** | **Local SLRs.** | **Foreign**  **(FOB)**  **USD** | **Local SLRs.** |
| 17  18  19  19  20 | **A sufficient quantity of profiling mastic material, tape and primer compound for protecting all flanged joints and couplings described in Bill No. 01 (Catalogue or printed literature to be furnished with the offer to justify the quality and quantity of the product. A sample should be provided with the offer. Tape overlap shall be 55%.**  **(No of quantity calculation sheet for each dia. Joint shall be submitted)**  80 mm dia. (…………….. No. of joints)  100 mm dia. (……………...No. of joints)  150 mm dia. (……………...No. of joints)  ……….……… (…………..…No. of joints)  ..……………… (………….. No. of joints)  Width of tape provided ……………………  Length of tape provided ………………….. |  | nr  nr  nr  nr  nr |  |  |  |  |
|  | Total of page No. 10 – … carried to  Summary in page 10 – … |  |  |  |  |  |  |

**SUMMARY OF BILL NO. 02**

Revised on 18-05-2020

|  |  |  |  |
| --- | --- | --- | --- |
| `Page Number | Unit | Amount | |
| Foreign Cost  **(USD)** | Local Cost  (SL Rs.) |
| Total of Page No. 10 - …  Total of Page No. 10 - …  Total of Page No. 10- … | -  -  - |  |  |
| Freight | Sum |  |  |
| Incidental allowance and Combined allowances for Pre- shipment Inspection for two Engineers by Employer as per Clause No. 8.2 of Conditions of Contract  No.of Pre-shipment inspection ………….. (to be filled by the bidder) | Sum |  |  |
| Cost of Inspection and Testing by Independent Testing & Inspection Agency | Sum |  |  |
| Summary of Bill No. 02  Carried to the Page No. 10 – …. | - |  |  |

Name of the Inspection Agency : ……………………………………………………

………………………………………………………………………………………..

Revised on 18-05-2020

**SUPPLY AND DELIVERY OF DI PIPES, FITTINGS, SPECIALS, ACCESSORIES, DI VALVES, MANHOLE COVERS AND SURFACE BOXES FOR SEWERAGE WORKS**

**………………………………………………. SEWERAGE SCHEME**

**BREAKDOWN OF SUMMAY OF BILLS**

|  |  |  |
| --- | --- | --- |
| **DESCRIPTION** | **Amount** | |
| **Foreign Cost**  **(USD)** | **Local Cost**  **(SL Rs.)** |
| FOB (Net)…………………………  Freight ……………………………….  C&F …………………………….  Agency Commission in SL Rupees (as a percentage of or in relation to the FOB price)  Other Local Cost |  |  |
|  |
|  |
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|  |
|  |
|  |

Note :- Details given in the page shall not carry forward to the Summary of Bills. This is only a break down for evaluation purposes.

**SUMMARY OF BIILS**

Revised on 18-05-2020

**…………………………………………………. SEWERAGE SCHEME**

**CONTRACT NO. …………………………………**

|  |  |  |  |
| --- | --- | --- | --- |
| **Bill No.** | **Description** | **Amount** | |
|  |  | **Foreign**  **(USD)** | **Local**  **(SLRs.)** |
| 01  02  03 | Supply of DI Pipes, Fittings & Specials  Supply of DI Valves & Accessories  ………………………………………… |  |  |
|  | Sub Total |  |  |
|  | Less Discount (if any) | ……………… |  |
|  | Total of Bid carried to Form of Bid (excluding VAT) in page no. 3-1. |  |  |
|  |  |  |  |

VAT Registration Number:…………………………………………………………

(A copy of the VAT registration certificate shall be annexed.)

Note: - The NWSDB VAT Registration No: - 4090 31820 7000

Revised on 18-05-2020

**11. SPECIMEN FORMS**

* **Letter of Acceptance**
* **Specimen Form for Contract Agreement**
* **Specimen Form for Bid Security**
* **Specimen Form for Performance Bank Guarantee**
* **Specimen Form for advance payment Guarantee ( For Telegraphic Transfer)**

Revised on 27-08-2019

**Regd. Post**

T&C/…………………………

……………….. *[Date]*

M/s. …………………………………….

………………………………

………………………………

………………………………

Dear Sirs,

Tender for ……………………………………………………..

……………………………………………

……………………………………Sewerage Scheme

Contract No. ……………………………………………………..

**Letter of Acceptance**

We are pleased to inform you that your offer submitted on ……………………*[date]* on the above tender, amounting to United States Dollars ………………… ……………………………………….(US$......................./=) Plus Sri Lanka Rupees …………………………………………………………………………………………. (LKR………………………..) has been accepted.

* Applicable VAT will be payable on production of Tax Invoices. The Registered No. for NWSDB for VAT is 4090318207000.
* DI Pipes & Fittings should be from ……………………………………………….

Inspection and Testing of goods shall be carried as per Clause 8 of General Conditions of Contract (Page 2-6 to 2-7) with respect to quantity, quality and loading prior to shipment and certificates should be forwarded to ……………………………*.[Name of the Engineer’s Representative]*

Revised on 10-10-2018

All DI pipes & fittings under this contract should be delivered as per the delivery schedule attached herewith within ……….. months from the date hereof.

The liquidated damages for any delay beyond the above period shall be LKR…………/= per shipment per day of delay.

Performance Security in the form of demand guarantee in the prescribed format (a copy annexed) from a recognized bank operating in Sri Lanka approved by the Central Bank of Sri Lanka for an amount of 10% of the total Contract Price valid for a period of …… months from the date hereof shall be submitted within 14 days from the date hereof. Performance Security shall be denominated in the currency of contract and proportionate to the each currency.

Please acknowledge receipt of this letter by return fax and make arrangements to sign the Agreement by prior appointment with the Asst. General Manager (Tenders & Contracts) within 28 days.

Engineers Representative of this contract is ………………………..

Please contact Deputy General Manager (…………) on Tele No. ………… for further action on this contract.

Yours faithfully,

# National Water Supply & Drainage Board

**General Manager**

Cc: Secretary, Ministry Ministry of Urban Development, Water Supply and Housing

Facilities

Auditor General – Duplicate offer and a copy of the Tender Board Decision attached

Commissioner of Inland Revenue

Addl. General Manager (…….)

Deputy General Manager (F/C)

Deputy General Manager (IA)

Deputy General Manager (…….)

Project Director (…………)

Chief Engineer (…………)

Stores Copy

Revised on 18-05-2020

Revised on 28-01-2014

## THE GOVERNMENT OF THE DEMOCRATIC SOCIALIST REPUBLIC OF

## SRI LANKA

**MINISTRY OF URBAN DEVELOPMENT, WATER SUPPLY AND HOUSING FACILITIES**

**NATIONAL WATER SUPPLY AND DRAINAGE BOARD**

**SUPPLY AND DELIVERY OF DI PIPES, FITTINGS, SPECIALS,ACCESSORIES, DI VALVES, MANHOLE COVERS AND SURFACE BOXESFOR**

**SEWERAGE WORKS**

**.................................................. SEWERAGE SCHEME**

**CONTRACT No.: ................................................**

**CONTRACT AGREEMENT**

Contract Agreement made and entered into between the National Water Supply and Drainage Board, a corporate body duly established under the provisions of the National Water Supply and Drainage Board Law No. 2 of 1974 and having its Head Office at Ratmalana in Sri Lanka (hereinafter sometimes referred to as "the Board") of the one part and Messrs …………… .........................……………………………………………………………….which duly incorporated under the laws of Democratic Socialist Republic of Sri Lanka and having registered its office at………………………………………………….….................................. ..............................................................................…………................................. (hereinafter called "the Supplier" which term of expression shall where the context so requires or admits mean and include its successors and permitted assigns) of the other part.

WHEREAS the Board is desirous of entering into a contract with the Supplierfor the supply and delivery of……………………....………………… to ............................................................................................................. at locations as specified in the Delivery Schedule and has accepted a Bid by the Supplierfor the execution and completion of such works.

AND WHEREAS the Bills of Quantities or Schedule of Rates and Specifications and General Conditions of Contract describing the Works to be done have been prepared by the Board and the same have been signed by the parties hereto.

NOW it is hereby agreed as follows:

1. For the consideration hereinafter mentioned the Suppliershall, upon and subject to the conditions hereto annexed, complete the Works referred to in the said Bills of Quantities or Schedule of Rates and in the said specifications and Conditions of Contract to the entire satisfaction of the Board on or before………….………………............. ...…….................... ..……. ………………………………………………… subject to extras, omissions and variations to be determined by the Engineer as hereinafter provided.

2. The said General Conditions of Contract, the said Specifications, the said Bills of Quantities or Schedule of Rates, (a detailed list whereof is annexed hereto,) Instructions to Bidders, Contract Data, Bidding Data and Schedule of Particulars and Form of Bid, all duly signed by the Board and the Contractor shall for all purposes where so ever be read, regarded and construed as part and parcel of the Agreement.

Revised on 18-05-2020

3. The Supplierwill be paid for the said execution of the Works the sum of Foreign Currency …………………………………………………………………………………...…...

*(In words)…*..................……………………..…………………………..…………………*(in figures)*and Sri Lanka Rupees ……………………………………………………… …………………………………………………………………………………………………………………………………..………….................................………………… *(in words)*Rs. ....................................……..............*(in figures)* hereinafter sometimes referred to as the "Contract Price" or such other sum as shall become payable hereunder according to the terms of the Contract.

4. As security for the due and proper performance and fulfillment of this contract and for the due payment of all claims to which the Board may be entitled hereunder, the Contractor hereby undertakes to maintain to the Board with a Guarantee in favour of the Board from a Bank approved by the Engineer as surety in the sum of Rupees........………. ................………………………….…..…………………..……….........(Rs. ..........................) which said Performance Guarantee shall remain in force and shall not be discharged until the Engineer shall have granted a Final Certificate to the effect that the Contractor has duly discharged and completed all his obligations under this contract and that there is no sum whatever due to the Board at the date of such Final Acceptance Certificate under this Contract.

5. The following terms used in this Agreement and or in the Specifications shall be understood as having the meanings hereby ascribed to them, namely;

"The Procurement Committee" shall mean the Procurement Committee appointed for the purpose of determining the Bid.

"Contractor" or "Supplier" shall mean the person or persons, firm or firms, company or companies who have contracted for the supply and delivery of the materials and equipment herein specified and includes its successors and permitted assigns.

"Chairman" shall mean the officer for the time being holding the office of or acting as the Chairman, National Water Supply and Drainage Board.

"Engineer" shall mean the Officer for the time being holding the Office of or acting as the General Manager, National Water Supply and Drainage Board.

"Engineer's Representative" shall mean the authorised Representative of the Engineer immediately responsible for the supervision of the Works or any other person appointed from time to time by the Engineer to act as Engineer and notified in writing to the Contractor.

"The Government" shall mean the Government of the Democratic Socialist Republic of Sri Lanka.

"Purchaser" or "The Board" or “Employer” shall mean the National Water Supply and Drainage Board.

"Months" shall mean calendar months.

"The Contract Documents" shall mean the Instructions to Bidders, Contract Data, Bidding Data, Schedule of Particulars, the General Conditions of Contract, the Form of Bid, the Specifications, Bills of Quantities, Addenda, Articles of Agreement and their annexures, Securities and Guarantees, Appendices.

"Contract Price" shall mean the sum stated in the Letter of Acceptance payable to the Contractor for the supply of Goods and Services in accordance with the provisions of the Contract.

Revised on 10-10-2018

"Works" shall mean the supply and delivery of Goods and the Services.

"Variation" shall mean any alteration of the description of any item in the Bills of Quantities or of the Specifications which in the opinion of the Engineer, is required for the perfect completion of the works outlined in the Agreement.

"Rs. or SL Rs.or LKR" shall mean Sri Lanka Rupees.

IN WITNESS WHEREOF the parties hereto have set their hands and seal to these presents at the places and dates hereinafter mentioned.

Signed by the said .......................…..............................…………………………………........ Chairman, National Water Supply and Drainage Board, Sri Lanka and……………………... ...............Board Member of the National Water Supply and Drainage Board, Sri Lanka at ..........................……………………………..…………………………………………..on the ........................................................ day of ………................................................ Two Thousand and ...................................................... in the presence of the following Witnesses.

Chairman .............................………………...... Board Member ..............………..............

**NATIONAL WATER SUPPLY AND DRAINAGE BOARD**

WITNESSES

Signature 1: .......................………. Signature 2 : …….....................…….….

Name :……………………… Name ……………………….…

Address .................................. Address ...........................…………

...............................… ..............................……….

Capacity ……………………….. Capacity ……………………….….

Signed by the said .............................................................................. in the Capacity of ....................................................................................................., of *(name of the company)* at ......…......................……………………………………….…......……………………… on the ……..................................................... day of ................................ Two Thousand and.………………................................... in the presence of the following Witnesses.

......................................

Signature of Supplier

WITNESSES

Signature1 :....................……….. Signature 2 : …….......................

Name :……………………….. Name :………………………

Address ................................. Address ............................…

................................. ...........................…

Capacity ……………………. Capacity …………………

Revised on 10-10-2018

**FORM OF BID SECURITY**

…………………… [*issuing agency’s name, and address of issuing branch or office*]

………………………

Beneficiary : Chairman

National Water Supply and Drainage Board, Galle Road, Ratmalana

Date……………… BID SECURITYNo : ……………………………

We have been informed that …………………………………………………………………. [*name of the Bidder ; if joint venture, listcomplete legal names of partners*] (*hereinafter called “the Bidder*”) has submitted to you its bid dated ……………….. [*insert date*] (*hereinafter called “ the Bid*”) for the execution/supply of …………………………………

…………………...[*name of contract*] under Contract No……………………………… .

Furthermore, we understand that, according to your conditions, Bids must be supported by a Bid Security.

At the request of the Bidder, we …………………………………………………………….. [*name of issuing agency*] hereby irrevocably under take to pay you any sum or sums not exceeding in total an amount of ………………………. [*amount in figures*] …………………..……………………………………….[*amount in words*] upon receipt by us of your first demand in writing accompanied by a written statement stating that the Bidder is in breach of its obligation (s) under the bid conditions, because of the Bidder:

(a). has withdrawn its Bid during the period of bid validity specified ; or

(b). does not accept the correction of errors in accordance with the Instructions to Bidders (hereinafter “the ITB” ) or

(c ). having been notified of the acceptance of its Bid by the Employer/ Purchaser during the period of Bid validity , (i) fails or refuses to execute the Contract Form, if required, or (ii) fails or refuses to furnish the Performance Security, in accordance with the ITB.

This Security shall expire: (a) if the Bidder is the successful bidder, upon our receipt of copies of the Contract signed by the Bidder and of the Performance Security issued to you by the Bidder, or (b) if the Bidder is not the successful bidder, upon the earlier of (i) our receipt of a copy of your notification to the Bidder that the Bidder was unsuccessful, otherwise it will remain in force up to ………………… [*insert date*].

Consequently, any demand of payment under this Security must be received by us the office on or before that date………………………………….

………………………………………………

[*Signature (s) of authorized representative (s)*]

Revised on 27-08-2019

**PERFORMANCE SECURITY**

…………………………..[*Issuing Agency’s Name and Address of issuing Branch or Office*]

…………………………..

Beneficiary : Chairman

National Water Supply and Drainage Board, Galle Road, Ratmalana

Date ……………..

**PERFORMANCE SECURITY No**.: …………………………………………………..

We have been informed that …………………………………………………………….. [*name of Contractor/Supplier*] (*hereinafter called “the Contractor”)*has entered into Contract No. …………………….. dated ………………. with you, for the ……………….. [*“Supply*”] of ………………………………………………………………………………….. [*name of contract and brief description of Works*] (*hereinafter called “the Contract*”).

Furthermore, we understand that according to the conditions of the Contract, a performance security is required.

At the request of the Contractor, we ……………………………………………………….. [*name of Agency*] hereby irrevocably under take to pay you any sum or sums not exceeding in total and amount of ………………………………………………………… [*in figures*] ……………………………………………………… ………………… [*in words*], such sum being payable in the types and proportions of currencies in which the Contract Price is payable, upon receipt by us of your first demand in writing accompanied by a written statement stating that the Contractor is in breach of its obligation (s) under the Contract, without your needing to prove or to show grounds for your demand or the sums specified therein.

This shall expire, no later than the ………………… day of ………………… , 20 …………… [*28 daysbeyond the scheduled contract completion date*] and any demand for payments under it must be received by us at this office on or before that date.

………………………………………………….

[*Signature (s*)]

Signature and seal of the guarantor

Revised on 27-08-2019

**FORM OF ADVANCE PAYMENT SECURITY**

***(For Telegraphic Transfer)***

…………………………..[*Issuing Agency’s Name and Address of issuing Branch or Office*]

…………………………….

……………………………

Beneficiary : Chairman,

National Water Supply & Drain Board,

Galle Road, Ratmalana.

Date ……………..

**ADVANCE PAYMENT SECURITY No**. ………………………………………

We have been informed that …………………………………………………………….. [*name of Contractor/Supplier*] (hereinafter called “the Contractor” ) has entered in to Contract No. ……………………….……. dated with you, for the Supply of …………………………………… [*name of Contract and brief description*] (hereinafter called “the Contract”).

Furthermore, we understand that according to the conditions of Contract an advance payment in the sum ……………………………………………. [*amount in figures*] (………………………………………………. ……………………….) [*amount inwords*] is to be made against an advance payment security.

At the request of the Contractor, we ………………………………………………………. [*issuing agency*] hereby irrevocably undertake to pay you any sum or sums not exceeding in total and amount of ……………………………………. [*amount in figures*] (………………………………………………………………………………….)[*amount in words*] upon receipt by us of your first demand in writing accompanied by a written statement stating that the Contractor is in breach of its obligation under the Contract, without your needing to prove or to show grounds for your demand or the sums specified therein.

The maximum amount of this security shall be progressively reduced by the amount of the advance payment repaid by the Contractor.

This security shall expire on …………… [28days beyond the Completion Date]

Consequently, any demand for payment under this security must be received by us at this office on or before that date.

……………………

[*Signature (s*)]

Signature and seal of the guarantor …………………………………………

Witness :

Name : ……………………………………………………………….

Revised on 27-08-2019

**12. APPENDICES**

**APPENDIX 1- DETAILS OF SIMILAR SUPPLIES COMPLETED WITHIN THE LAST THREE YEARS AND ONGOING**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Name and Address of Employer** | **Name and details of**  **Contract** | **Value of**  **Contract** | **Period of**  **Contract** | | **Remarks**  **(Completed/ ongoingetc.)** | **Value of work**  **remaining**  **incomplete** |
| **From** | **To** |
|  |  |  |  |  |  |  |

# APPENDIX 2 – FINANCIAL STATEMENT

Summary of assets and liabilities based on the audited financial statements for the last three financial years (Current statement may be unaudited) together with the Financial Performance as indicated in the following schedule shall be submitted.

If the business has not been in operation for the last three years, following schedule shall be submitted for the period that the business has been in operation together with the aforesaid financial statements.

Bidders whose financial capability is marginally less to undertake this tender may show credit facilities available to them from banks.

# Financial performance for the last 3 years

|  |  |  |  |
| --- | --- | --- | --- |
| Year | xxxx | xxxx | xxxx |
| Turnover from Contracting |  |  |  |
| Fixed Assets (FA) |  |  |  |
| Current Assets (CA) |  |  |  |
| Current Liabilities (CL) |  |  |  |
| Long Term Liabilities (LL) |  |  |  |
| Net Worth =Total Assets – Total Liabilities |  |  |  |
| Current Ratio = Current Assets Current Liability |  |  |  |
| Liquidity Ratio = Current Assets(except stock)Current Liability |  |  |  |
| Gearing Ratio =Debt Capital x 100 Total Capital Employed |  |  |  |
| Turnover x 100  Total Operating Assets |  |  |  |
| Net Profit x 100  Total Assets |  |  |  |

Revised on 18-09-2017

# APPENDIX 2A – AUTHORIZATION TO OBTAIN REFERENCES FROM BANKERS

**BIDDER SHALL FILL THIS FORM AND PROVIDE WITH THE BID**

……………………….[Bidder’s Name]

………………………………[Address]

…………………………………………

…………………………………………

Manager………………………[Name of Bank]

…………………………….[Address]

………………………………………

………………………………………

Dear sir,

We hereby Authorize the National Water Supply & Drainage Board, on behalf of the procurement Committee, to seek reference of Bank details in order to evaluate the financial statues of our company M/s………………………………………………………………………………………

…………………………………………………………………….[contract Name] in Connections

with the ………………………………………………………………........[Contract Number] bid,

submitted by Us.

Yours faithfully,

…………………………..

…………………………..

Authorized office of the Bidder.

**Note:-** If there are more than one bank, separate letters should be submitted for each Bank

Revised on 10-10-2018

# APPENDIX 3- Guarantee for DI Pipes , Fittings and Rubber Rings

[Address of the Manufacturer]

…………………………………

…………………………………

…………………………………

Chairman,

National Water Supply and Drainage Board,

Galle Road, Ratmalana, Sri Lanka.

**Supply & Delivery of DI Pipes, Fittings, Specials & Accessories,**

**DI Valves, Manhole Covers and Surface Boxes For Sewerage Works**

**………………………. Sewerage Scheme**

**Contract No. …………………………………….**

We ,………………………………………………………………………………………………

……………………………………………………………………………………………………

…………………………………*( Name & Address of the Pipe Manufacturer)* Manufacturer of DI pipes ,hereby guarantee that,

1. DI pipes, fittings and rubber rings supplied under the contract shall fit properly and adequately to ensure leak proof pipeline installations under all working conditions.
2. We will unconditionally undertake to replace any material rejected by the Engineer within the time period as agreed with the Engineer during implementation stage at no additional cost to NWSDB ensuring the timely implementation of the project.
3. We will unconditionally undertake that the Nominated Inspection Agency issues a certificate ensuring that DI pipes, fittings and rubber rings inspected shall fit properly and adequately to ensure leak proof pipeline installations under all working conditions upon shipment.

…………………………….

Signature of the Authorised

Officer on behalf of the

Pipe manufacturer

Name : ……………………………………………………….

Capacity: ……………………………………………………….

Witness :

1 Signature : ……………………………………………………………

Name : ……………………………………………………………

Capacity : ……………………………………………………………

Address : ……………………………………………………………

2 Signature : ……………………………………………………………

Name : ……………………………………………………………

Capacity : ……………………………………………………………

Address : ……………………………………………………………

Revised on 18-05-2020

APPENDIX 4 - Confirmation of Capability of Production and

Supply according to Delivery Schedule

[Address of the Manufacturer]

…………………………………………..

………………………………………….

………………………………………….

Chairman, Procurement committee,

…………………………………..,

……………………………...

**Supply & Delivery of DI Pipes, Fittings, Specials & Accessories,**

**DI Valves, Manhole Covers and Surface Boxes For Sewerage Works**

**………………………. Sewerage Scheme**

**Contract No…………………………………….**

We, ………………………………………………………………….[*name of manufacturer*] of ………………………………………………………………………………………………………………….………………………………………………………….…………..…….*[address of manufacturer]*confirm that we have sufficient production capacity to produce the quantity of DI Pipes, Fittings and Specials submitted in our bid and shall deliver them according to the delivery schedule indicated in Contract Data in the bid.

…………………………….. ……………………………..

Authorized Officer of the Manufacturer. Seal of the Company.

Name :……………………………………

APPENDIX 5 - Manufacturer’s Authorization to sign the

Revised on 18-05-2020

BID/Contract

[The Bidder shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be on the letter head of the Manufacturer and should be signed by a person with the proper authority to sign documents that are binding on the Manufacturer. The bidder shall include it in its bid].

Date : *[insert date (as day, month and year) of Bid Submission]*

No. : *[insert contract number]*

Chairman,Procurement committee,

………………………………..,

……………………………….

**Supply & Delivery of DI Pipes, Fittings, Specials & Accessories,**

**DI Valves, Manhole Covers and Surface Boxes For Sewerage Works**

**………………………. Sewerage Scheme**

**Contract No…………………………………….**

We …………………………………………*[insert complete name of Manufacturer],* who are official manufacturers of DI Pipes, Fittings, Specials, Accessories, DI/CI Valves, Manhole Covers and Surface Boxes , having factories at ………………………………*[insert full address of Manufacturer’s factories],* do hereby authorize …………….…………………. *[insert complete name of Bidder]* to submit a bid the purpose of which is to provide DI Pipes, Fittings, Specials, Accessories, DI Valves, Manhole Covers and Surface Boxes ,manufactured by us and to subsequently negotiate and sign the Contract.

Signed : …………………………………*[insert signature(s) of authorized representative(s) of the Manufacturer]*

Name : ………………………………………………………..*[insert complete name(s) of authorized representative(s) of the Manufacturer]*

Title : …………………………………….. *[insert title]*

Duly authorized to sign this Contract on behalf of : ……………………………*[insert complete name of Manufacturer]*

Dated on …………………….. day of …………………………….*[insert date of signing].*

Appendix 6 - BIDDER’s Authorization to sign the bid/ Contract

Revised on 18-05-2020

[The Bidder shall require to fill in this Form in accordance with the instructions indicated. This letter of authorization should be on the letter head of the Bidder and should be signed by a person with the proper authority to sign documents that are binding on the Bidder. The bidder shall include it in its bid].

Date : *[insert date (as day, month and year) of Bid Submission]*

No. : *[insert contract number]*

Chairman, Procurement committee,

………………………………………,

………………………………….

**Supply & Delivery of DI Pipes, Fittings, Specials & Accessories,**

**DI Valves, Manhole Covers and Surface Boxes For Sewerage Works**

**………………………. Sewerage Scheme**

**Contract No…………………………………….**

We …………………………………………*[insert complete name of the Bidder],* who ……………………………………….…………*[insert full address of Bidder],* do hereby authorize …………….………………………….. *[insert complete name of Bidders authorize officer who signs the contract]* to submit a bid on behalf of our company and to subsequently negotiate and sign the Contract.

Specimen Signature …………………………………………………………

Signed : …………………………………*[insert signature(s) of authorized representative(s) of the Bidder]*

Name : ………………………………………………………..*[insert complete name(s) of authorized representative(s) of the Bidder]*

Title : …………………………………….. *[insert title]*

Duly authorized to sign this Authorization on behalf of : ……………………………*[insert complete name of Bidder]*

This is to certify that the seal and signatures of legal representative and authorized person affixed to power of attorney attached hereto are found to be authentic.

………………………………

Signature of Attorney at Law

……………………………..

Seal of Attorney at Law

In the place of (……………………………………………………………………….. address)

Date ……………………

Revised on 18-05-2020

(1 of 6)

Appendix 7 - TOR FOR INDEPENDENT INSPECTION AGENCY

**DI Pipes & Fittings**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Activity** | | **Test Performed** | **Results** | **Acceptability as per Specification** |
| **1.**  **1.1** | **Physical Proportion**  **Socket & Spigot Pipes**  Pipe wall thickness  External Diameter  Internal Diameter  Length of Pipe  Socket Length  Chamfering of Spigot end  C - Class  Grooves in the Socket.  Thickness of Internal Cement lining  Smoothness of Internal Cement lining.  External Zinc Coating.  Thickness & Weight of external Zinc Coating.  Compressive Strength of the Cement Lining.  Curing period of Pipes after Cement Lining.  Smoothness of external Bitumen Coating. |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **( 2of 6)** | | | | |
|  | **Activity** | **Test Performed** | **Results** | **Acceptability as per Specification** |
| **1.2** | **Flanged Pipes**  Flange thickness  Flange diameters  No. of bolt holes  Length of pipe  Wall Thickness of Pipe  C – Class of Pipe  Cleanliness of Flange  Raised Face or Flat Face  Smoothness of Raised Face/Flat Face  Integrally casted or Factory Welded  Condition of weld if welded.  Thickness of Internal Cement lining  Smoothness of Internal Cement Lining.  External Zinc Coating.  Thickness & Weight of external Zinc  Coating  Method of Application of Bitumen  Coating.  Compressive Strength of the Cement Lining  Curing period of Pipes after Cement Lining.  Smoothness of external Bitumen Coating |  |  |  |

**(3 of 6)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Activity** | **Test Performed** | **Results** | **Acceptability as per Specification** |
| **1.3**  **1.4** | **Socketed Bends**  Socket Diameter  Length of Bend  C-Class of Bend  Wall Thickness of bend  Grooves in the Socket.  Thickness of Internal Cement lining  Smoothness of Internal Cement lining  External Zinc Coating  Thickness & Weight of external cement  coating  Method of Application of Bitumen Coating  Compressive Strength of the Cement Lining  Curing period of Bends after Cement Lining  Smoothness of external Bitumen Coating.  **Flanged Bends**  Flange Diameter  Length of Bend  Thickness of Flange  No. of Bolt holes  Wall Thickness of Pipe  Raised Face or Flat Face  Smoothness of Raise Face/ Flat Face  Integrally Casted /Factory welded condition of  weld if welded |  |  |  |

**(4 of 6)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Activity** | **Test Performed** | **Results** | **Acceptability as per Specification** |
| **1.5** | C – class  Thickness of Internal Cement lining  Smoothness of Internal Cement lining  External Zinc Coating  Thickness & Weight of External Coating  Compressive Strength of the Cement Lining.  Method of Application of Bitumen Coating  Compressive Strength of the Cement Lining  Curing period of Bends after Cement  Smoothness of external Bitumen Coating.  **Tees**  **Socketed Tees**  Length of Tees  Length of Branch  Diameter of Tee (all faces)  Wall Thickness of Tees  Wall Thickness of Branch  Condition of grooves in socket  C – Class  Thickness of Internal Cement lining  Smoothness of Internal Cement lining.  External Zinc Coating |  |  |  |

**(5 of 6)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Activity** | **Test Performed** | **Results** | **Acceptability as per Specification** |
| **1.6** | Thickness & Weight of External Zinc Coating  Method of Application of Bitumen Coating  Compressive Strength of the Cement Lining  Curing period of Tees after Cement Lining  Smoothness of external Bitumen coating.  **Flanged Tees**  Length of Tee  Length of Branch  Diameter of Tee (all Branches)  Wall Thickness of Tee  Diameter of Flanges (All faces)  No of Bolt holes  Flange thickness  Integrally Casted or Factory Welded  Condition of weld if welded  Flanges of Raised Face or Flat Face  Smoothness of Raised Face/ Flat Face  C – Class  Thickness of Internal Cement lining  Smoothness of Internal Cement lining.  External Zinc Coating  Thickness & Weight of external Zinc Coating  Method of Application of Bitumen Coating  Compressive Strength of the Cement Lining  Smoothness of external Bitumen coating. |  |  |  |

**(6 of 6)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Activity** | | **TestPerformed** | **Results** | **Acceptability as per Specification** |
| **2.**  **2.1** | **Strength &Metalogical Properties**  **DI Pipes & Fittings**  1. Method of Casting Metelogical Properties  ……………. Tensile Strength  Hardness minimum Elongation Positive  Internal Hydrostatic Pressure Negative  Internal Pressure  2. Manufacturing Standards of Pipes &  Fittings.  3. Lubricant make & seal type of designation  of lubricant.  4. Manufacturing of lubricant  5. Manufacturing Standard of lubricant  Joint Rings/ Gaskets  6. Materials of Joint Ring/ Gasket  7. Manufacturing Standards of Joint Ring/  Gasket  8. Hardness of materials of Joint Ring/  Gasket.  9. Seal Type designation of Joint Ring/  Gasket.  Gasket Nuts & Bolts.  10. Materials of Nuts & Bolts Washers  11. Manufacturing Standard of Nuts & Bolts  12. Number of Washers/ Bolt. |  |  |  |

APPENDIX 8 - Manufacturer’s awareness of the TOR for

Independent Inspection Agency and Check List

for Pre-shipment Inspections

[Address of the Manufacturer]

…………………………………………..

………………………………………….

………………………………………….

Chairman,Procurement committee,

…………………………………,

……………………………….

**Supply & Delivery of DI Pipes, Fittings, Specials & Accessories,**

**DI Valves, Manhole Covers and Surface Boxes For Sewerage Works**

**………………………. Sewerage Scheme**

**Contract No…………………………………….**

We, …………….…………………………………………………….[*name of manufacturer*] of……………………….……………………………………………………………………………………………….…………………………………………………………..…….*[address of manufacturer]*confirm that we have noticed that

a) Appendix 7 – TOR for Independent Inspection Agency

b) Appendix 9 – Check list for Pre-shipment Inspection of DI Pipes & Fittings

c) Clause 8.1 of General Conditions of Contract in Volume 1

………………………………………… ..…………….………

Authorized Officer of the Manufacturer. Seal of the Company.

Name :……………………………………

**(1of 13)**

Revised on 18-05-2020

**APPENDIX 9 - PRE-SHIPMENT INSPECTION OF DI PIPES & FITTINGS**

# BY NWSDB ENGINEERS -CHECK LIST

Name & Location of the Factory

Pipe : - ………………………………………………………………………………

………………………………………………………………………………

Fittings : -………………………………………………………………………………

….……………………………………………………………………………

Valves : - ..………………………………………………………………………………

..………………………………………………………………………………

Couplings :- …………………………………………………………………………………

…………………………………………………………………………………

Adaptors :-…………………………………………………………………………………

…………………………………………………………………………………

Flanged Pipes : -…………………………………………………………………………………

…………………………………………………………………………………

(Requirement - Pipes and fittings should be manufactured by same manufacturer or manufacturing group.)

Applicable Standards

Manufacturing Standards : (ISO 2531 : 2009/BSEN 545: 2010) …………….

Of pipes & Fittings

Manufacturing Standards of

Joint Rings : (BSEN 681-1/ISO …………….

Quality Assurance Standards : (ISO 9001: 2008) ……………

Parameters to be checked

Markings to casted on, painted or cold stamped

Mechanical Properties, Hardness, Elongation,

Hydrostatic Pressure Tests of pipes &fittings ready for supply

Wall Thickness

Length of straight pipes

Straightness

External Coating

Internal Coating

Testing of Welded Flanges

Chemical Composition of Pipes & Fittings (Composition of metals).

Condition of Pipes & Fittings

Warping or shrinkage

Surface or other defects detrimental to functionality : Satisfactory/Unsatisfactory

Handling of pipes, Fittings after production : Satisfactory/Unsatisfactory

Inspection Procedure

Witness testing a sample with Factory QC Team : Yes/No

Witness testing with Independent Inspection Agency : Yes/No

**(2 of 13)**

Revised on 31-01-2018

**PRE-SHIPMENT INSPECTION OF DI PIPES & FITTINGS**

CHECK LIST

Mark Yes or No in the Remarks Column as Appropriate Date of Inspection …………

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Technical  Specifications  Clause No. | Description | | Values as per  Specifications | Satisfactory/  Unsatisfactory | | Remarks | |
| GENERAL | | | | | | | |
| Quality  Assurance | Availability of Valid Quality Standard  Certificates | | ISO 9001:2008 |  | |  | |
| Independent  Inspection | Availability of Inspection Agency.  Certificate before Shipment | | - |  | |  | |
| Markings | Pipe Material (Ductile Iron) | | - |  | |  | |
|  | Year of Manufacture (Last Two Digits) | | - |  | |  | |
|  | Manufacturers Identification Mark/Name | | - |  | |  | |
|  | Nominal Diameter in mm | | - |  | |  | |
|  | Class Designation | | - |  | |  | |
|  | Quality Standard & Product Conformity certificate | | - |  | |  | |
|  | Client Identification | | - |  | |  | |
|  | Socket Penetration Lines (2 Lines) | | - |  | |  | |
|  | In case of Fittings, these marks shall appear on the body of each fitting together with its main characteristics such as angle of bend, pressure rating of flange etc. | | - |  | |  | |
| Material Characteristics | | | | | | | |
|  | Mechanical Properties |  | | |  | |  |
|  | Minimum Tensile Strength | 420 N/mm2 | | |  | |  |
|  | Minimum Bending Strength | Table 8 BSEN 598:2007+A1:2009 | | |  | |  |
|  | Modulus of Elasticity | 14- 18 N/mm2 | | |  | |  |
|  | Brinell hardness for pipes | 230HB | | |  | |  |
|  | Brinell hardness for fittings | 250 HB | | |  | |  |

**PRE –SHIPMENT INSPECTION OF DI PIPES & FITTINGS - CHECK LIST**

**(3 of 13)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test Hydrostatic Test | | | | | | | | | | | | |
| Bill No: Item No. & Qty. Sample size:  Description of Item : DI Pipes (SS/DF) Class : Dia x Length :  Tech Spec Clause No: Reference Standard : BSEN598:2010 - Clause 6.5 & Table 11  ISO 7186:2011- Clause 6.5 & Table 10 | | | | | | | | | | | | |
| Sample  No | Item of Testing | Pressure Class (“C” class) | Test Condition | | | | | | Deviation | Tolerance  Allowed | Comply? | Remarks |
| Flexible joints | | Push-fit joints | | Flanges & flanged joints | |
|  |  |  | +ve int. pressure | -ve int. pressure | +ve ext. Pressure | Dynamic int. pressure | Flanged joints | Screwed & welded flanges |  |  |  |  |
| 1 |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |  |  |  |  |  |  |
| Inspection & Testing Witnessed by | | | | | | | | | | | | |
| Name : 1. Name : 2. | | | | | | | | | | | | |
| Signature: 1. Signature: 2. | | | | | | | | | | | | |
| Date :  Revised on 31-01-2018 | | | | | | | | | | | | |

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**PRE –SHIPMENT INSPECTION OF DI PIPES & FITTINGS - CHECK LIST**

Revised on 10-10-2018

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Test Length of Straight Pipes and Fittings | | | | | | | |
| Bill No: Item No. & Qty. Sample size:  Description of Item : DI Pipes (SS/DF) , Fittings Class : Dia x Length :  Tech Spec Clause No: Reference Standard : BSEN 598:2009 – Clause 4.2.3 & Table 2  ISO 7186 :2011 - Clause 4.3.3& Tables 1&2,3,4 | | | | | | | |
| Sample  No | Item of testing | Physical/Measured  Value | | Deviation | Tolerance  Allowed | Comply?  (Yes or No?) | Remarks |
| Standard | Measured |
| 1 |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |  |
| Inspection & Testing Witnessed by | | | | | | | |
| Name : 1. Name : 2. | | | | | | | |
| Signature: 1. Signature: 2. | | | | | | | |
| Date : | | | | | | | |

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**PRE –SHIPMENT INSPECTION OF DI PIPES & FITTINGS - CHECK LIST**

Revised on 10-10-2018

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Test Straightness | | | | | | | |
| Bill No: Item No. & Qty. Sample size:  Description of Item : DI Pipes (SS/DF) Class : Dia x Length :  Tech Spec Clause No: Reference Standard : BSEN598:2009 – Clause 4.2.4  ISO 7186 :2011 -Clause 4.3.4 | | | | | | | |
| Sample  No | Item of testing | Physical/Measured  Value | | Deviation | Tolerance  Allowed | Comply?  (Yes or No?) | Remarks |
| Standard | Measured |
| 1 |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |  |
| Inspection & Testing Witnessed by | | | | | | | |
| Name : 1. Name : 2. | | | | | | | |
| Signature: 1. Signature: 2. | | | | | | | |
| Date : | | | | | | | |

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**PRE –SHIPMENT INSPECTION OF DI PIPES & FITTINGS - CHECK LIST**

Revised on 10-10-2018

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Test Internal & External Diameter of Pipes & Fittings | | | | | | | |
| Bill No: Item No. & Qty. Sample size:  Description of Item : DI Pipes (SS/DF) , Fittings Class : Dia x Length :  Tech Spec Clause No: Reference Standard : BSEN598:2009 – Clause 4.2.2  ISO 7186 :2011 - Clause 4.3.1 | | | | | | | |
| Sample  No | Item of testing | Physical/Measured  Value | | Deviation | Tolerance  Allowed | Comply?  (Yes or No?) | Remarks |
| Standard | Measured |
| 1 |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |  |
| Inspection & Testing Witnessed by | | | | | | | |
| Name : 1. Name : 2. | | | | | | | |
| Signature: 1. Signature: 2. | | | | | | | |
| Date : | | | | | | | |

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**PRE –SHIPMENT INSPECTION OF DI PIPES & FITTINGS - CHECK LIST**

Revised on 10-10-2018

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Test Wall Thickness of Pipes & Fittings | | | | | | | |
| Bill No: Item No. & Qty. Sample size:  Description of Item : DI Pipes (SS/DF), Fittings Class : Dia x Length :  Tech Spec Clause No: Reference Standard : BSEN598:2009 – Clause 4.2.1  ISO 7186 :2011 - Clause 4.3.2 | | | | | | | |
| Sample  No | Item of testing | Physical/Measured  Value | | Deviation | Tolerance  Allowed | Comply?  (Yes or No?) | Remarks |
| Standard | Measured |
| 1 |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |  |
| Inspection & Testing Witnessed by | | | | | | | |
| Name : 1. Name : 2. | | | | | | | |
| Signature: 1. Signature: 2. | | | | | | | |
| Date : | | | | | | | |

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**PRE –SHIPMENT INSPECTION OF DI PIPES & FITTINGS - CHECK LIST**

Revised on 10-10-2018

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Test Internal Coating ( Strength & Thickness) | | | | | | | |
| Bill No: Item No. & Qty. Sample size:  Description of Item : DI Pipes (SS/DF) , Fittings Class : Dia x Length :  Tech Spec Clause No: Reference Standard : BSEN598:2009 – Clause 4.4.3, 4.4.4& 4.5  ISO 7186 :2011 - Clause 4.6.3 | | | | | | | |
| Sample  No | Item of testing | Physical/Measured  Value | | Deviation | Tolerance  Allowed | Comply?  (Yes or No?) | Remarks |
| Standard | Measured |
| 1 |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |  |
| Inspection & Testing Witnessed by | | | | | | | |
| Name : 1. Name : 2. | | | | | | | |
| Signature: 1. Signature: 2. | | | | | | | |
| Date : | | | | | | | |

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**PRE –SHIPMENT INSPECTION OF DI PIPES & FITTINGS - CHECK LIST**

Revised on 10-10-2018

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Test External Coating ( Thickness of Zinc Mass & Paint coating) | | | | | | | |
| Bill No: Item No. & Qty. Sample size:  Description of Item : DI Pipes (SS/DF), Class : Dia x Length :  & Coating for fittings and Accessories  Tech Spec Clause No: Reference Standard : BSEN598:2009- clause 4.4& 4.5 & 4.6  ISO 7186 :2011 - clause 4.5& 4.6 & 4.9 | | | | | | | |
| Sample  No | Item of testing | Physical/Measured  Value | | Deviation | Tolerance  Allowed | Comply?  (Yes or No?) | Remarks |
| Standard | Measured |
| 1 |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |  |
| Inspection & Testing Witnessed by | | | | | | | |
| Name : 1. Name : 2. | | | | | | | |
| Signature: 1. Signature: 2. | | | | | | | |
| Date : | | | | | | | |

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**PRE –SHIPMENT INSPECTION OF DI PIPES & FITTINGS -CHECK LIST**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Chemical Composition | | | | |
| Bill No: Item No. & Qty. : Sample size:  Description of Item : Class : Dia x Length :  Tech Spec Clause No: Reference Standard : BSEN598:2009 & ISO 7186 :2011 | | | | |
| Sample  No | Item of testing | Name of the Metal | Available % | Remarks |
| 1 |  | Fe |  |  |
|  |  | C |  |  |
|  |  | Zn |  |  |
|  |  | Cr |  |  |
|  |  | …. |  |  |
|  |  | ….. |  |  |
|  |  | ….. |  |  |
|  | | | | |
| Microscopic Inspection of DI sample : % of DI | | | |  |
|  | | | | |
| Inspection & Testing Witnessed by | | | | |
| Name : 1. Name : 2. | | | | |
| Signature: 1. Signature: 2. | | | | |
| Date : | | | | |

Revised on 10-10-2018

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**INSPECTION OF DI PIPES & FITTINGS**

CHECK LIST

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Technical Specifications  Clause No. | Description | Requirements as per Specifications | Satisfactory/  Unsatisfactory | Remarks |
| HANDLING OF PIPES AND FITTINGS AFTER PRODUCTION | | |  |  |
|  | Packing |  |  |  |
|  | Handling |  |  |  |
|  | Stacking |  |  |  |
|  | Inspection by Factory/Inspection Authority |  |  |  |
|  | Transport Arrangements within manufacturers Country |  |  |  |
|  | Shipping Arrangements |  |  |  |
|  | Freight Insurance Arrangements |  |  |  |
| CONCLUSION AT THE END OF THE INSPECTION TOUR | | |  |  |
| Total Process of Production, Testing, Packing,  Handling, Insurance and Freight arrangements Satisfactory | | |  |  |

Observations :

Signature 1 Signature 2

Name & Designation 1: Name & Designation 2:

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Rubber rings / Gaskets

Physical Parameter

1. Dimensions :…………………..
2. Diameter :…………………..
3. Hardness :………………….
4. Appearance :…………………..
5. Lot Numbers : …………………..

Quality

1. Product Conformity certificate
2. ISO 9001:2015 certificate

Packing Arrangements

1. Inspection by Independent Inspection Agency : ………….
2. Shipping Arrangements :……………..

Revised on 10-10-2018

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|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sample No | Diameter | Thickness mm | Hardness | Appearance | Deviation | Tolerance allowable | Whether Comply | Remarks |
|  |  |  |  |  |  |  |  |  |

Product conformity certificate available acceptable : ………………..

(witness the original certificate)

ISO 9001:2015Quality Management System certificate available and acceptable: ……………..

(witness the original certificate)

Revised on 10-10-2018

APPENDIX 10 - Manufacturer’s Warranty for the goods supplied

under the contract

[Address of the Manufacturer]

…………………………………………..

………………………………………….

Chairman,

National Water Supply and Drainage Board,

Galle Road, Ratmalana, Sri Lanka.

**Supply & Delivery of DI Pipes, Fittings, Specials & Accessories,**

**DI Valves, Manhole Covers and Surface Boxes For Sewerage Works**

**………………………. Sewerage Scheme**

**Contract No…………………………………….**

We, ……………………………………………………………….[*name of manufacturer*] of ………………………………………………………………………………………………………………….……………………………………..…….*[address of manufacturer]*warrant that the goods supplied under this contract are new, unused, of the most recent or current models and have incorporated all recent improvements, and no defects arising out of the design, material or workmanship from any act that may be develop under normal use of the supplied goods.

If there is any defects during the warranty period specified in the Clause 15 of the General Conditions of Contract, we shall attend to repair or replace the defective goods with all reasonable speed without any cost to the Purchaser.

………………………………………… ..…………….………

Authorised Officer of the Manufacturer. Seal of the Company.

Name :……………………………………

Revised on 18-05-2020

**APPENDIX 11 – 1**

**SPECIMEN FORM OF TEST CERTIFICATE FOR PIPES AND FITTINGS**

Customer: Date:

Manufacturer: Cert. No. :

Material to be tested : Pipes and fittings

Customer Order No. :

Identification of the Sample tested:

This is to certify that the inspection and testing of the above mentioned materials were duly made by us and in accordance with the specifications and the result was found satisfactory.

*[The followings, which shall be the test results/compliance, shall be included in the test certificate]*

1. Specification/Standard of conformity:
2. Appearance and shape :

i. Surface finish

ii. Check out roundness (ovality)

1. Physical properties
2. Tensile strength :
3. Elongation :
4. Hardness :
5. Microstructure :
6. Metallurgical Analysis:
7. Dimensions :

i. Wall thickness

ii. Socket dimensions (drawing / sketch)

iii. Plain end chamfer details

1. Coating and Lining

Details of standards, composition and thickness of

1. External zinc coating :
2. External bitumen coating :
3. Cement mortar lining :
4. Pressure (Hydrostatic) tests:

**APPENDIX 11 – 2**

**SPECIMEN FORM OF TEST CERTIFICATE FOR VALVES**

Customer: Date:

Manufacturer: Cert. No. :

Material to be tested : Valves and Hydrants

Customer Order No. :

Identification of the Sample tested:

This is to certify that the inspection and testing of the above mentioned materials were duly made by us and in accordance with the specifications and the result was found satisfactory.

*[The followings, which shall be the test results/compliance, shall be included in the test certificate]*

1. Specification/Standard of conformity:
2. Appearance and finish :

i. Casting

ii. Surface finish

1. Coating & Lining

Details of standards, composition & thickness

1. Internal coating :
2. External coating :
3. Test Pressures :
4. Body test pressure & result:
5. Seat test pressure & result:

(The medium used in the test shall be included.)

**APPENDIX 11 – 3**

**SPECIMEN FORM OF TEST CERTIFICATE FOR JOINT RINGS AND GASKETS**

Customer: Date:

Manufacturer: Cert. No. :

Material to be tested : Joint Rings and Gaskets

Customer Order No. :

Identification of the Sample tested:

This is to certify that the inspection and testing of the above mentioned materials were duly made by us and in accordance with the specifications and the result was found satisfactory.

*[The followings, which shall be the test results/compliance, shall be included in the test certificate]*

1. Specification/Standard of conformity:
2. Appearance and finish :
3. Mechanical Properties
4. Tensile Strength & result :
5. Elongation at break & result:
6. Compression set & result
7. Hardness & result:
8. Test for microbiological deterioration :

Recommendation………..………………………………………………………………………

…………………………………………………………………………………………….

…………………………………………………………………………………………….

Authorized Signature of Testing Agency

Name and Address of Testing Agency …………………………………………………….

…………………………………………………….

Fax: ………………………………………..

e-mail: ………………………………………

**APPENDIX 11 – 4**

**SPECIMEN FORM OF TEST CERTIFICATE FOR NUTS AND BOLTS**

Customer: Date:

Manufacturer: Cert. No. :

Material to be tested : Nuts and Bolts

Customer Order No. :

Identification of the Sample tested:

This is to certify that the inspection and testing of the above mentioned materials were duly made by us and in accordance with the specifications and the result was found satisfactory.

*[The followings, which shall be the test results/compliance, shall be included in the test certificate]*

1. Specification/Standard of conformity:

2. Mechanical properties of bolts

i. Tensile strength & result:

1. Yield stress or stress at permanent set limit of 0.2% :
2. Percentage elongation after fracture:
3. Stress under proof load :
4. Strength under wedge loading :
5. Hardness & result :

3. Galvanizing

1. The standard which it conforms:
2. Thickness of galvanized coating :

Recommendation……….………………………………………………………………………

…………………………………………………………………………………………….

…………………………………………………………………………………………….

Authorized Signature of Testing Agency

Name and Address of Testing Agency …………………………………………………….

…………………………………………………….

Fax: ………………………………………..

e-mail: ………………………………………

**APPENDIX 11 – 5**

**SPECIMEN FORM OF TEST CERTIFICATE FOR MANHOLE COVERS**

Customer: Date:

Manufacturer: Cert. No. :

Material to be tested : Manhole covers

Customer Order No. :

Identification of the Sample tested:

This is to certify that the inspection and testing of the above mentioned materials were duly made by us and in accordance with the specifications and the result was found satisfactory.

*[The followings, which shall be the test results/compliance, shall be included in the test certificate]*

1.Specification/Standard of conformity:

2.Outer Dimensions of cover

Length :

Width :

Height of outer rim :

3.Coating :

4.Load test results:

Recommendation…………..……………………………………………………………………

…………………………………………………………………………………………….

…………………………………………………………………………………………….

Authorized Signature of Testing Agency

Name and Address of Testing Agency …………………………………………………….

…………………………………………………….

Fax: ………………………………………..

e-mail: ………………………………………

**APPENDIX 11 – 6**

**SPECIMEN FORM OF TEST CERTIFICATE FOR**

**LEAK TIGHTNESS TEST PERFORMANCE**

|  |  |  |  |
| --- | --- | --- | --- |
| **Pipe dia.** | **Fitting type** | **Test period** | **Successful / unsuccessful** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

Recommendation ……………………………………………………………………………….

…………………………………………………………………………………………………………………………………………………………………………………………………….

Authorized Signature of Testing Agency

Name and Address of Testing Agency …………………………………………………….

…………………………………………………….

Fax: ………………………………………..

e-mail: ………………………………………

**Appendix 12 - Confirmation of Supplying Goods Manufactured at**

**the Factory quoted**

*[This form shall be filled on the letter head of the pipe manufacturer’s company]*

Date :............................

Chairman,Procurement committee,

National Water Supply and Drainage Board,

Galle Road, Ratmalana, Sri Lanka.

**Supply & Delivery of DI Pipes, Fittings, Specials & Accessories,**

**DI Valves, Manhole Covers and Surface Boxes For Sewerage Works**

**………………………. Sewerage Scheme**

**Contract No.: ……………………………..**

We ………………………………………………………………………………………*(Name & Address of the DI pipe manufacturer)* hereby guarantee that,

1. The Supply of Pipes for the above contract shall be manufactured at the manufacturing factory at ……………………………………………………………... ………………………………………………*(Address of the manufacturing factory)*.

2. The Supply of Pipe Fittings for the above contract shall be manufactured at the manufacturing factory at …………………………………………………………... …………………………………………..…… *(Address of the manufacturing factory)*.

3. The Supply of Rubber Rings for the above contract shall be manufactured at the manufacturing factory at ……………………………………………………………... …………………………………………...… *(Address of the manufacturing factory)*.

4. The Supply of Couplings for the above contract shall be manufactured at the manufacturing factory at ……………………………………………………………... ……………………………………………….. *(Address of the manufacturing factory)*.

5. The Supply of Restraint Joints shall be manufactured at the manufacturing factory at …………………………………………………………………………………………... …………………………………………….. *(Address of the manufacturing factory)*.

………………………. ……………………………………

Signature of the Seal of the Company

Chief Executive Officer/

General Manager of the manufacturer

Name : …………………………………

Address : ………………………………

………………………………

The above signed declare that the statement made above is true and correct in every detail.

……………………………. ……………………………..

Signature of the Attorney at Law Seal of the Attorney

Name :…………………………………..

Address : ………………………………

Revised on 18-05-2020

**APPENDIX 13 – AFFIDAVIT BY THE BIDDEER**

I ………………………………………… of ………………………………………… being a ……………………… (Buddhist or any other religionist), do hereby solemnly sincerely and truly declare and affirm as follows.

01. I am the Affirmant above named.

02. I hereby declare that I have applied for the contract of National Water Supply and Drainage Board bearing No: …………………………………….. and my spouse or dependent does not work in National Water Supply and Drainage Board on permanent, casual or contract basis.

The foregoing affidavit having been read over and explained to the affirmant above named who having understood its nature content and context affirmed hereto and set his usual signature hereto in ……………... on this ………….……………… day of …………….…….. 20…….

Before me ……………………

Declarant

…………………………………

Justice of the Peace /

Commissioner for oaths

**APPENDIX 14 – PRE-QUALIFICATION OF MANUFACTURERS FOR**

**SUPPLY & DELIVERY OF DI PIPES, FITTINGS, DI/CI**

**VALVES, DI MANHOLE COVERS AND PVC PIPES AND**

**FITTINGS**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |

**Note:**

Pre-Qualified pipe manufacturer has been pre-qualified together with pipe fitting manufacturer and rubber ring manufacturer. Therefore, when selecting a pre-qualified pipe manufacturer, his relevant pipe fitting manufacturer and rubber ring manufacturer shall be selected.

Revised on 18-05-2020

***When Bidding Document is prepared please include updated list of prequalified manufactures list under this Appendix***

**APPENDIX 15 - ENTITLED ALLOWANCES ON FOREIGN TRAVELS &**

**RELATED EXPENSES**

Revised on 10-10-2018

