**Ref No.: NWSDB/SBD/CIVIL/Ver5**

***REVISED ON 15-07-2020***

**GOVERNMENT OF THE DEMOCRATIC SOCIALIST REPUBLIC**

# OF SRI LANKA

MINISTRY OF URBAN DEVELOPMENT, WATER SUPPLY AND HOUSING FACILITIES

# NATIONAL WATER SUPPLY AND DRAINAGE BOARD

### ……………………….. WATER SUPPLY/ SEWERAGE SCHEME

**BID FOR …………………………………………………..…**

***(BUILDING & CIVIL WORKS)***

**CONTRACT No.: …………………………………..**

***REVISED ON 15-07-2020***

**NATIONAL WATER SUPPLY AND DRAINAGE BOARD**

**GALLE ROAD,**

**RATMALANA.**

**……………………..**

**MONTH & YEAR**

**PREFACE TO THE FORTH REVISION**

**DOCUMENT NWSDB/SBD /CIVIL/Ver5**

This Civil works Bidding document was revised in August 2011 by the Standard Bidding Document Review Committee appointed by the General Manager and approved for implementation on 31stAugust 2011.

This document can be used for civil construction works and pipe laying up to the value of Rs. 100 million and this is limited to local contracts.

This document consists of volume 1 and volume 2. Volume 1 is the ICTAD /SBD/01 which is to be purchased from CIDA. NWSDB will issue only the volume 2.

Changes made to volume 1 is given in Bidding Data and Contract Data, which are in volume 2.

Users of this document shall fill in the blanks given in the Bidding Data and Contract Data for the particular bidding document. Please refer Guideline to obtain a general idea on fill in the blanks.

The Standard Bidding Document Review Committee Comprises of following officers.

Mr. G.A. Kumararathna Addl. G.M (Sewerage) Chairman

Mr. D.S.D. Jayasiriwardene Addl. GM (S/E) Member

Mr. K.R. Dewasurendra Addl. GM (WSP) Member

Ms. K.T.P. Fernando DGM (PC) Member

Mr. R.H. Ruvinis DGM (P&D) Member

Mrs. A.P.S de Silva DGM (Costing) Member

Mr. M. Abeysekara AGM (M&E-Services) Member

Mr. U.C. Pathiranage AGM (P&D- Doc) Member

Mr. R.A.A. Ranawaka AGM (T&C) Member

Mr. S.S.S. Vipulanandan AGM (P&C) Member

Mrs. D.S.P. R.D. Premachandra CE (P&D-Doc) Secretary

(This should not be included in the bidding document)

Revised on 06-08-2015

#### DOCUMENT ISSUANCE CERTIFICATE

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

1. STANDARD DOCUMENT REFERENCE NUMBER: NWSDB/SBD/CIVIL/Ver5

2. CONTRACT NUMBER : ………………….…………..…………………….

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

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

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

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

4. a) TENDER FEE : Rs. ........ RECEIVED/NOT RECEIVED

IN CASH/BANK DRAFT

b) 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 BUSINESS REGISTRATION NUMBER : ..........................………................

9. a) ISSUING OFFICER : ................................................…….........

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

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

10. PLACE OF ISSUE : ........................................................….….

11. SEAL : ………………..………………………………………….…….

12. DATE : ............................ TIME : …..............................……

# T A B L E O F C O N T E N T S

##### VOLUME 1

**Volume - 1 of this document is the Volume – 1 of Standard Bidding Document, Procurement of Works -CIDA publication No. ICTAD/SBD/01 Second Edition – January 2007 with Addendum No. 1 issued in October 2009, and available for purchasing at CIDA, Wijerama Mawatha, Colombo 7.**

Volume 1 includes following sections

Section 1 - Instructions to Bidders

Section 2 - Standard Forms ( Contract)are not used – Refer Section 12 of Volume II

Section 3 - Conditions of Contract

Revised on 06-08-2015

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Revised on 15-07-2020

Revised on 25-02-2020

**CHECK LIST BEFORE SUBMISSION OF BIDS**

Bidders are advised to fill the following table:

|  |  |  |
| --- | --- | --- |
| **ITEM** | **REFERENCE** | **REMARKS** |
| Documentary evidence to establish eligibility of bidder. | 1.1 |  |
| Signatory to the BID |  |  |
| Evidence for authority for Signatory(ies)  enclosed? | 18 |  |
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| Addressed to the Employer? | 18 |  |
| Completed? | 18 |  |
| Signed? | 18 |  |
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| Addressed to the Employer? | 16 |  |
| Format as required? | 16 |  |
| Issuing Agency as specified? | 16 |  |
| Validity as mentioned in the bidding data | 16 |  |
| Qualification Information |  |  |
| All relevant information completed? | 4 |  |
| Signed? | 4 |  |
| Addendum |  |  |
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Revised on 23-09-2019

VOLUME 1

Standard Bidding Document, Procurement of works ICTAD/SBD/01 Second Edition, - January 2007with Addendum No. 1 issued on October 2009 Published by Construction Industry Development Authority (CIDA) is applicable in respect of this contract. Any changes to these Clauses in the Instructions to Bidders and Conditions of Contracts in the Instructions to Bidders and Conditions of Contracts are indicated in Bidding data respectively and contract data respectively in Section 5.

**ICTAD/SBD/01 Second Edition – January 2007 with Addendum No. 1 is not provided with this Bidding document, and it is available for purchasing at CIDA, Wejerama Mawatha, Colombo 7.**

Revised on 24-08-2017

VOLUME 2

**INVITATION FOR BIDS**

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**

**CONTRACT No.: …………………………………..**

**……………………………..………………. Water Supply Scheme**

**Bid For …………………………………………….**

**INVITATION FOR BIDS (IFB)**

1. The Chairman, Department Procurement Committee, National Water Supply and Drainage Board (NWSDB), Galle Road, Ratmalana on behalf of the National Water Supply and Drainage Board (NWSDB) now invites sealed bids from eligible and qualified bidders for…….………….…………..………….……of……………………

Water Supply Scheme.

1. Bidding will be conducted through National Competitive Bidding Procedure. Since the Total Cost Estimate of this procurement is below Rs.50 Million, regional preference and CIDA grade preference shall apply as stipulated in Public Finance Circular No. 04/2016(ii).

3. Alternative bids shall not be accepted.

1. To be eligible for contract award, the successful bidder shall not have been blacklisted and shall have Registration with CIDA in the field of …. …………………………in Grade …………… at the time of the submission of the bid.
2. The estimated cost for this Bid is Rs………………………………. Million without VAT and the construction period is ……………… Days.
3. Interested bidders may obtain further information from Assistant General Manager, (Tenders and Contracts), NWSDB, Galle Road, Ratmalana over the telephone, number 011-2635885 or 011-2638999 Ext. 1750 or facsimile number 011-2635885 and bidding documents may be inspected free of charge at the office of the Assistant General Manager, (Tenders and Contracts), NWSDB, Galle Road, Ratmalana.

7. A complete set of Bidding documents in English language may be purchased by interested bidders on the submission of a written application on a business letter head to the Assistant General Manager (Tenders and Contracts), NWSDB, Galle Road, Ratmalana, from …………… until …………….09:00 hours to 15:00 hours on normal working days upon payment of a non refundable tender fee of Rs……………………………./= Plus applicable VAT in cash.

8. Bids shall be delivered to the Assistant General Manager (Tenders and Contracts), NWSDB, Galle Road, Ratmalana on or before …………………hrs on …… …………Late Bids will be rejected. Bids will be opened soon after closing in the presence of the bidders’ representatives who choose to attend.

9 All Bids shall be accompanied by a bid security of Rupees……………………… in the form given in the bidding document. Bid security shall be valid up to …………….

**Chairman**

National Water Supply and Drainage Board

Galle Road, Ratmalana.

Sri Lanka

Revised on 27-02-2020

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**

**CONTRACT No.: …………………………………..**

**…………………………….. ………………. Water Supply Scheme**

**Bid For …………………………………………….**

**INVITATION FOR BIDS (IFB)**

1. The Chairman, Regional Procurement Committee(*Name of the RSC*), National Water Supply and Drainage Board (NWSDB*),……………………………………………………...*

*………………………………………..[Insert relevant RSC Address]* on behalf of the National Water Supply and Drainage Board (NWSDB) now invites sealed bids from eligible and qualified bidders for………………………………………………………..

………………………………………….of……………………………………..Water Supply Scheme.

1. Bidding will be conducted through National Competitive Bidding Procedure. Since the Total Cost Estimate of this procurement is below Rs.50 Million, regional preference and CIDA grade preference shall apply as stipulated in Public Finance Circular No. 04/2016(ii).
2. Alternative Bids shall not be accepted.
3. To be eligible for contract award, the successful bidder shall not have been blacklisted and shall have Registration with CIDA in the field of …. …………………………in Grade …………… at the time of the submission of the bid.
4. The estimated cost for this Bid is Rs………………………………. Million without VAT and the construction period is ……………… Days
5. Interested bidders may obtain further information from ………………………….. ………………………..over the telephone, number ………………….. Ext. ….. or facsimile number …………….. and bidding documents may be inspected free of charge at the office of the ……………………………………………………………....*[Insert relevant RSC Address]*

7 A complete set of Bidding documents in English language may be purchased by interested bidders on the submission of a written application on a business letter head to the ………………………………………………………………………………. …………………………………………………………………from …………… until …………….09:00 hours to 15:00 hours on normal working days upon payment of a non refundable tender fee of Rs……………………./= Plus applicable VAT in cash.

8. Bids shall be delivered in duplicate to the …………………………………………… ……………………..at on or before …………………hrs on ………………Late Bids will be rejected. Bids will be opened soon after closing in the presence of the bidders’ representatives who choose to attend.

9 All Bids shall be accompanied by a bid security of Rupees……………………… in the form given in the bidding document. Bid security shall be valid up to …………….

**Chairman**

Regional Procurement Committee,

National Water Supply & Drainage Board

Revised on 27-02-2020

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**

**CONTRACT No.: …………………………………..**

**……………………………..………………. Water Supply Scheme**

**Bid For …………………………………………….**

**INVITATION FOR BIDS (IFB)**

1. The Chairman, Project Procurement Committee (*Name of the Project*), National Water Supply and Drainage Board (NWSDB*),………………………………………………*

*………………………………………..(Address of the Project)* on behalf of the National Water Supply and Drainage Board (NWSDB) now invites sealed bids from eligible and qualified bidders for……………………………………………………………..………………………..

………………………………………….of……………………………………..Water Supply Project.

1. Bidding will be conducted through National Competitive Bidding Procedure. Since the Total Cost Estimate of this procurement is below Rs.50 Million, regional preference and CIDA grade preference shall apply as stipulated in Public Finance Circular No. 04/2016(ii).
2. Alternative Bids shall not be accepted.
3. To be eligible for contract award, the successful bidder shall not have been blacklisted and shall have Registration with CIDA in the field of …. …………………………in Grade …………… at the time of the submission of the bid.
4. The estimated cost for this Bid is Rs………………………………. million without VAT and the construction period is ……………… days
5. Interested bidders may obtain further information from ………………………….. ………………………..over the telephone, number ………………….. Ext. ….. or facsimile number …………….. and bidding documents may be inspected free of charge at the office of the……………………………………………………………… *(Address of the Project)*

7 A complete set of Bidding documents in English language may be purchased by interested bidders on the submission of a written application on a business letter head to the …………………………….……………………………………………………. …………………………………………………………………from …………… until …………….09:00 hours to 15:00 hours on normal working days upon payment of a non refundable tender fee of Rs……………………./= Plus applicable VAT in cash.

8. Bids shall be delivered in duplicate to the …………………………………………… ……………………..at on or before …………………hrs on ………………Late Bids will be rejected. Bids will be opened soon after closing in the presence of the bidders’ representatives who choose to attend.

9 All Bids shall be accompanied by a bid security of Rupees……………………… in the form given in the bidding document. Bid security shall be valid up to …………….

**Chairman**

Project Procurement Committee,

National Water Supply & Drainage Board

Revised on 27-02-2020

## FORM OF BID AND QUALIFICATION

## INFORMATION

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

MINISTRY OF URBAN DEVELOPMENT, WATER SUPPLY AND HOUSING FACILITIES

## NATIONAL WATER SUPPLY AND DRAINAGE BOARD

## Bid For …………………………………………….

## CONTRACT No.: …………………………………..

**FORM OF BID**

To: The Chairman, Department Procurement Committee

National Water Supply & Drainage Board, Galle Road, Ratmalana.

Gentleman,

1. Having examined the Bidding Document Volume I [ICTAD/SBD/01 - Second Edition, January 2007 with addendum thereafter] and Volume II including Procurement of Works Bidding data, Contract data, Condition of Contract, Specifications, Drawings and Bills of Quantities etc and Addenda for the execution of the above-named Works, we the undersigned, offer to execute and complete such Works and remedy any defect therein in conformity with the aforesaid Contract data, Conditions of Contract, Specifications, Drawings, Bills of Quantities and addenda for the sum of Sri Lankan Rupees ……………………….…………………………………………….…………….................. ……………………………….. (LKR..................……………) or such other sums as may be ascertained in accordance with the said Conditions.

2. We acknowledge that the Contract Data forms part of our Bid.

3. We undertake, if our Bid is accepted, to commence the Works as stipulated in the Contract Data, and to complete the whole of the Works comprised in the Contract within the time stated in the Contract Data.

4. We agree to abide by this Bid for the period of Ninety one (91) Days from the date fixed for receiving or any extended period and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

5. Unless and until a formal Agreement is prepared and executed, this Bid, together with your written acceptance thereof, shall constitute a binding contract between us*.*

6. We accept that the Dispute Adjudication Board shall be appointed when need arises.

7. We understand that you are not bound to accept the lowest or any Bid you may receive.

Dated this ............. day of ............ 20... in the capacity of .............. duly authorized to sign tenders for and on behalf of ..................................................................................................………

(IN BLOCK CAPITALS)

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

Name : ..................................................................................................

Designation : ........................................................................................

Address : .............................................................................................

………………………………………………………..……

Witness :

Signature ........................................................................................................................

Name ……………………………………………………………………………..…

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

Revised on 25-02-2020

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

MINISTRY OF URBAN DEVELOPMENT, WATER SUPPLY AND HOUSING FACILITIES

## NATIONAL WATER SUPPLY AND DRAINAGE BOARD

## Bid For …………………………………………….

## CONTRACT No.: …………………………………..

**FORM OF BID**

To: The Chairman,

Regional Procurement Committee

National Water Supply & Drainage Board

…………………..

…………………….*[Insert Relevant address]*

Gentleman,

1. Having examined the Bidding Document Volume I [ICTAD/SBD/01 - Second Edition, January 2007 with addendum thereafter] and Volume II including Procurement of Works Bidding data, Contract data, Condition of Contract, Specifications, Drawings and Bills of Quantities etc and Addenda for the execution of the above-named Works, we the undersigned, offer to execute and complete such Works and remedy any defect therein in conformity with the aforesaid Contract data, Conditions of Contract, Specifications, Drawings, Bills of Quantities and addenda for the sum of Sri Lankan Rupees ……………………….…………………………………………….…………….................. ……………………………….. (LKR..................……………) or such other sums as may be ascertained in accordance with the said Conditions.

2. We acknowledge that the Contract Data forms part of our Bid.

3. We undertake, if our Bid is accepted, to commence the Works as stipulated in the Contract Data, and to complete the whole of the Works comprised in the Contract within the time stated in the Contract Data.

4. We agree to abide by this Bid for the period of Ninety one (91) Days from the date fixed for receiving or any extended period and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

5. Unless and until a formal Agreement is prepared and executed, this Bid, together with your written acceptance thereof, shall constitute a binding contract between us*.*

6. We accept that the Dispute Adjudication Board shall be appointed when need arises.

7. We understand that you are not bound to accept the lowest or any Bid you may receive.

Dated this ............. day of ............ 20... in the capacity of .............. duly authorized to sign tenders for and on behalf of ..................................................................................................………

(IN BLOCK CAPITALS)

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

Name : ..................................................................................................

Designation : ........................................................................................

Address : .............................................................................................

………………………………………………………..……

Witness :

Signature ........................................................................................................................

Name ……………………………………………………………………………..…

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

Revised on 25-02-2020

**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

## Bid For …………………………………………….

## CONTRACT No.: …………………………………..

**FORM OF BID**

To: The Chairman,

Project Procurement Committee

National Water Supply & Drainage Board

………………..…..

……………………

Gentleman,

1. Having examined the Bidding Document Volume I [ICTAD/SBD/01 - Second Edition, January 2007 with addendum thereafter] and Volume II including Procurement of Works Bidding data, Contract data, Condition of Contract, Specifications, Drawings and Bills of Quantities etc and Addenda for the execution of the above-named Works, we the undersigned, offer to execute and complete such Works and remedy any defect therein in conformity with the aforesaid Contract data, Conditions of Contract, Specifications, Drawings, Bills of Quantities and addenda for the sum of Sri Lankan Rupees ……………………….…………………………………………….…………….................. ……………………………….. (LKR..................……………) or such other sums as may be ascertained in accordance with the said Conditions.

2. We acknowledge that the Contract Data forms part of our Bid.

3. We undertake, if our Bid is accepted, to commence the Works as stipulated in the Contract Data, and to complete the whole of the Works comprised in the Contract within the time stated in the Contract Data.

4. We agree to abide by this Bid for the period of Ninety one (91) Days from the date fixed for receiving or any extended period and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

5. Unless and until a formal Agreement is prepared and executed, this Bid, together with your written acceptance thereof, shall constitute a binding contract between us*.*

6. We accept that the Dispute Adjudication Board shall be appointed when need arises.

7. We understand that you are not bound to accept the lowest or any Bid you may receive.

Dated this ............. day of ............ 20... in the capacity of .............. duly authorized to sign tenders for and on behalf of ..................................................................................................………

(IN BLOCK CAPITALS)

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

Name : ..................................................................................................

Designation : ........................................................................................

Address : .............................................................................................

………………………………………………………..……

Witness :

Signature ........................................................................................................................

Name ……………………………………………………………………………..…

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

Revised on 25-02-2020

**Qualification and General Information**

**(To be completed and submitted by the bidder, with the Bid)**

***1. Qualification Information***

|  |  |  |
| --- | --- | --- |
| **CIDA Registration** |  | |
| Registration number | *(attach copies of relevant pages from the registration book)* | |
| Grade |  | |
| Specialty |  | |
| Expiry Date |  | |
|  |  | |
| **QUALIFICATIONS** | *(Details should be submitted as per ITB Clause No.4.4)*. | |
|  |  | |
| **Blacklisted Contractors** |  | |
| Have you been declared as a defaulted contractor by NPA or any other Agency? (Yes/No) | |  |
| IF yes provide details |  | |
|  |  | |
| **VAT Registration Number** |  | |
| **Construction Program** | *( attach as annex) – Appendix 5* | |
| **Legal status** | *(attach relevant certified copies of registration)* | |
|  |  | |
| **Value of Construction works performed and ongoing in last 5 years** | *(attach copies of Certificate of Completion etc. and other documents such as profit-loss and income expenditure statement)* | |
| Year ….. | Complete details in Appendix 1B | |
| Year ….. |  | |
| Year ….. |  | |
| Year ….. |  | |
| Year ….. |  | |
|  |  | |
| **Value of similar works completed and ongoing in last 05 years (indicate only the three largest projects**) | Complete details in Appendix 1A  1. Value Year ……………..  2. Value Year …………..  3. Value Year …………….  (*attach copies of Certificate of Completion etc., as annex)* | |
|  |  | |
| **Major items of construction equipment proposed** | Complete details in Appendix 3& 3A | |
| **Qualification and experience of key staff – Site & Head Office (Permanent, Contract basis & Consultants)** | Complete details in Appendix 2 | |
| **Financial Capabilities** | (attach copies of Audited financial statements of last 3 years)  Complete details in Appendix 4. | |
| **Other information requested under ITB Clause 4** | Any other details in support of the bid. | |
| **Manufacturer of DI pipes fittings & accessories supplier** | Complete Appendix 9, 10, 11 | |
| **Manufacturer valve supplier** | Complete Appendix 9, 10, 11 | |
| **Warranty requirements** | Complete Appendix 7&11  See Clause 72 of Contract Data | |
| **Written power of attorney of the signatory to the Bid** | Provide original or certified copy of the power of attorney attested by a Notary and label as attachment to Appendix 6 | |

Revised on 27-02-2020

## 5. BIDDING DATA

**AND**

**CONTRACT DATA**

**BIDDING DATA**

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 supercede the Content in the Instructions to Bidders in Volume 1 of This Document.

*(Note: What is typed in italic letters are guide lines to prepare the Bidding Data and they shall be removed after preparation of the Bidding Data.)*

Revised on 20-02-2018

**G. Bidding Data**

(Please note that the Clause numbers given here under are that of Instructions to Bidders)

**Instructions to Bidders**

**Clause Reference**

|  |  |
| --- | --- |
| **(1.1)** | The Employer is  Name : National Water Supply and Drainage Board  Address: Galle Road,  Ratmalana  The Works consist of *(Specify the scope of work with Sufficient*  *details)*\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  located at \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **(1.2)** | Intended Completion Date is Days from the Start Date. |
| **(1.3)** | The office for collection of bid forms is  Assistant General Manager (Tenders & Contracts)  Tenders & Contract Section,  NWSDB, Galle Road,  Ratmalana.  The non-refundable fee is Rupees \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Plus VAT, payable in cash.  The Bid forms will be issued until\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **(2.1)** | The source of funds is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Revised on 15-07-2020

Revised on 25-11-2016

|  |  |
| --- | --- |
| **(4.2)**  **(4.3)** | The registration required  Specialty \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Grade \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  The following Qualification information shall be provided in Section 4:  a) CIDA Registration;  Registration number  Grade  Speciality  Expiry Date  b) Authorization to sign the bid on behalf of the Bidder.  c) VAT Registration number.  c’) Work Programme proposed by the Contractor (Appendix 5)  d) Legal Status (Sole proprietor, Partnership, Company etc. – copy of the Article of Incorporation and other relevant documents shall be provided )  e) Details of Works Completed within the Last Five Years and Ongoing Similar Ones (Specialized work); (Appendix 1A)  f) Details of Works (excluding similar works) Completed within the Last Five Years and Ongoing Ones ; (Appendix 1B)  g) Total monetary value of construction work performed and ongoing for each contract during the last five years; (Appendix 1A & 1B).  h) Major equipment proposed to carry out the Contract; (Appendix 3 or 3A)  i) Qualifications and experience of key Technical staff and Construction Management Services proposed for the Contract; (Appendix 2).  j) Bidder’s financial statement for last 3 years and Revolving Credit Line Facility (Appendix 4 and 4A).  k) Method Statement (Appendix 5A). |
|  | l) Name of the Manufacturers for the supplied items under the contract.  m) Name and address of the local agent of above mentioned Manufacturers under item (l) (Appendix16).  n) Provide Quality Management System Certificates (ISO 9001:2015) for the factory of above mentioned Manufacturers under item (l).  o) Provide Product Conformity Certificate for the above mentioned Manufacturers under item (l).  Revised on 27-02-2020  p) Functional Guarantees for the leak proof pipeline by manufacturers (Formats are given in Appendix 7A, 7B & 7C)  q) The bidder shall provide a certificate for the confirmation from WRAS (UK) or NSF International laboratories for the suitability for the drinking water purposes for raw materials, PE Pipes &fittings.  r) Certificate of Registration of the Bidder as per the Act No. 3 of 1987 with the Registrar of Public.  s) *Any other* |
| **(4.4)** | \* Minimum qualification to qualify for the award of the Contract is :  **a]** **Technical Capacity** *(Specify the appropriate works based on the scope of the contract)*  i)Over the last five years  *[Guideline for T/ plant – Water retaining structures of a corresponding value:*  *For Water Tower –*  *1. Below 300 m3 capacity– Any type of Water Tower*  *2. Above 300 m3  and below 1000 m3 capacity– Similar type Water*  *Tower*  *3. Above 1000 m3 capacity - Similar type but min. of 1000 m3*  *capacity.*  *For Reservoirs – above 450 m3 capacity – minimum of 450 m3*  *capacity reservoir*  *below 450 m3 capacity – same capacity reservoir*  *For Pipe laying- Range of diameter and length of laying (50% or 10 km which ever is less) (aggregate of pipe lengths under different contract should be considered)*  **“Laying”** means Laying of Pipes according to the Specifications, testing, backfilling, compaction, disinfection and handing over. |
|  | **“Construction”** means construction according to the specification, testing, cleaning, disinfection and handing over. |
|  | ii) Average of the annual volume of construction work   1. *If contract period is less than one year, the value of the Engineers estimate,* 2. *If contract period is more than one year, 1.5 times annual value of the proposed work \*1*     *\*1 Annual Value of proposed work,*  *= 12 x Engineer’s estimate*  *Contract duration in months*  Revised on 25-02-2020 |
|  | iii) Proposals for the timely acquisition (own, lease, hire, etc.) of the essential equipment listed in the Bidding Data Clause 4.3 shall be listed in Appendix 3 & 3A.  iv) Details of Key Technical Staff and Managerial Services shall be listed in Appendix 2 |
|  | **b] Financial Capacity for Works Contract**  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  *\*4 (i) For Major Contracts (more than Rs. 100 million)- Financial*  *requirement for 4 months period*  *(ii)For Other Contracts (less than Rs. 100 million)- Financial*  *requirement for 3 months period*  Documentary evidence to justify shall be submitted |
|  | **c]** **If any item comes under the NWSDB Pre-qualified manufacturers list; which have to be supplied under the contract, shall be from the NWSDB pre-qualified manufacturers. Lists of those manufacturers are given in Appendix 18.** |
|  | **d] Irrespective of region, to call open bids and to grant a 5% preference (regional preference) for the regional contractors whose bids have become as responsive bids when the estimated cost of the Bid is less than Rs.50 Million as stipulated in Public Finance Circular No. 04/2016(ii).** |
| **(5.1)** | Add to the Clause  Joint Venture shall not be accepted. |
| **(9.1)**  **(11.1)** | Employer’s address for the purpose of clarification is ;  Assistant General Manager (Tenders and Contracts),  Tenders and Contract Section,  National Water Supply and Drainage Board,  Galle Road, Ratmalana.  Fax . 011 – 2635885 Tel:011-2635885    The language of the bidding document shall be English. |

Revised on 25-11-2016

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| **(13.3)** | VAT component shall not be included in the rates. The amount written in the Form of Bid shall be without VAT. However VAT component shall be shown separately at the Summary of the Bills. |
| **(13.4)** | The Contract is subjected to price adjustment in accordance with Clause 47 of the Conditions of Contract if the Intended Completion Date from the Start Date exceeds 3 months.  Revised on 27-02-2020 |
|  |  |
| **(13.5)** | If a Bidder has given a discount of his bid price, the discount shall be distributed to each and every item excluding provisional sum in the Bills of Quantities by adjusting the rates in the Bills of Quantities by the percentage of discount offered. This rate is applicable for all extra works to complete the works in the Contract. |
| **(14.1)** | Bidders are not allowed to bid in foreign currencies. |
| **(15.1)** | The Bid shall be valid for 91 days from the date of closing of the bids (excluding closing date). |
| **(16.1)** | Bid shall include a Bid Security in the form included in Section 12. |
| **(16.2)** | Bid Security shall be:   1. for an amount ………………….. 2. Valid until *………………(give a Date)*   And issued by an agency stipulated below using the Form  for Bid security (unconditional guarantee) included in  Section 12,Standard Forms.   * 1. Bank operating in Sri Lanka, approved by the Central Bank of Sri Lanka.   2. deposits made in the name of the National Water Supply and Drainage Board.   3. Sri Lanka rupee cash deposit to the National Water Supply and Drainage Board, (The original receipt for such deposit shall be attached to the original tender document).   4. Certified cheque issued by a Bank operating in Sri Lanka infavour of National Water Supply and Drainage Board.   5. A Bank guarantee issued by a Bank based in another country but the security or guarantee “confirmed” by a Bank operating in Sri Lanka approved by the Central Bank of Sri Lanka.   **The term “confirmed” in relation to bank guarantee issued by a Bank based in another country means that the “confirmed” bank held liable for paying the respective guaranteed amount at the request of first demand by the beneficiary.** |
| **(17.0)** | Pre Bid meeting *will /will not*  be held  Pre Bid meeting - venue \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Date Time \_\_\_\_\_\_\_\_  Revised on 25-10-2018 |
|  |  |
| **(19.2) a**  **(19.2) b** | The Employer’s address for the purpose of Bid submission is  Asst. General Manager (Tenders & Contracts)  National Water Supply and Drainage Board,  Galle Road, Ratmalana.  Contract name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Contract no. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **(20.1)& (23.0)** | The deadline for submission and opening of Bids shall be as specified in the IFB. |
| **(26.1)** | Add Clause 26.1 (e)  26.1 (e). Meets the qualification criteria given in the Clause 4.4 of the Bidding Data  Add to the Clause 26.1  If a bid does not meet any one of the above requirements (a) to (c) and (e), it will be considered substantially non responsive and rejected by the Procurement Committee. |
| **(33.7)** | If a Bidder has given a discount of his bid price, the discount shall be distributed to each and every item excluding provisional sum in the Bills of Quantities by adjusting the rates in the Bills of Quantities by the percentage of discount offered. Contractor shall adjust all BOQ Rates deducting the discounted amount and shall endorse with the Contractor’s Signature. This rate is applicable for all extra works to complete the works in the Contract. |
| **(34.0)**  **(34.3)** | The amount of Performance Security is 5% of the Initial Contract Price.  And issued by an agency stipulated under the Clause 52.1 of **Contract Data.**  Add following Sub- Clause 34.3  Failure of the successful bidder to comply with the requirements of Clause 33 and 34 shall constitute a breach of Contract, cause for annulment of the award, forfeiture of the bid security, and any such other remedy the Employer may take under the Contract, and the Employer may resort to awarding the Contract to the next ranked bidder. |
| **(36.0)** | Clause 36 deleted & insert the following.  Refer Clause 25 of General Conditions of Contract. |

Revised on 23-09-2019

**G. Bidding Data**

(Please note that the Clause numbers given here under are that of Instructions to Bidders)

**Instructions to Bidders**

**Clause Reference**

|  |  |
| --- | --- |
| **(1.1)** | The Employer is  Name : National Water Supply and Drainage Board  Address: Galle Road,  Ratmalana  The Works consist of *(Specify the scope of work with Sufficient*  *details)*\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  located at \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **(1.2)** | Intended Completion Date is Days from the Start Date. |
| **(1.3)** | The office for collection of bid forms is  …………………………………  …………………………………  …………………………………  The non-refundable fee is Rupees \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Plus VAT, payable in cash.  The Bid forms will be issued until\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **(2.1)** | The source of funds is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Revised on 15-07-2020

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| **(4.2)**  **(4.3)** | The registration required  Specialty \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Grade \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  The following Qualification information shall be provided in Section 4:  a) CIDA Registration;  Registration number  Grade  Speciality  Expiry Date  b) Authorization to sign the bid on behalf of the Bidder.  c) VAT Registration number.  c’) Work Programme proposed by the Contractor (Appendix 5)  d) Legal Status (Sole proprietor, Partnership, Company etc. – copy of the Article of Incorporation and other relevant documents shall be provided )  e) Details of Works Completed within the Last Five Years and Ongoing Similar Ones (Specialized work); (Appendix 1A)  f) Details of Works (excluding similar works) Completed within the Last Five Years and Ongoing Ones ; (Appendix 1B)  g) Total monetary value of construction work performed and ongoing for each contract during the last five years; (Appendix 1A & 1B).  h) Major equipment proposed to carry out the Contract; (Appendix 3 or 3A)  i) Qualifications and experience of key Technical staff and Construction Management Services proposed for the Contract; (Appendix 2).  j) Bidder’s financial statement for last 3 years and Revolving Credit Line Facility (Appendix 4 and 4A).  k) Method Statement (Appendix 5A). |
|  | l) Name of the Manufacturers for the supplied items under the contract.  m) Name and address of the local agent of above mentioned Manufacturers under item (l) (Appendix16).  n) Provide Quality Management System Certificates (ISO 9001:2015) for the factory of above mentioned Manufacturers under item (l).  o) Provide Product Conformity Certificate for the above mentioned Manufacturers under item (l).  Revised on 27-02-2020  p) Functional Guarantees for the leak proof pipeline by manufacturers (Formats are given in Appendix 7A, 7B & 7C)  q) The bidder shall provide a certificate for the confirmation from WRAS (UK) or NSF International laboratories for the suitability for the drinking water purposes for raw materials, PE Pipes &fittings.  r) Certificate of Registration of the Bidder as per the Act No. 3 of 1987 with the Registrar of Public.  *s) Any other* |
| **(4.4)** | \* Minimum qualification to qualify for the award of the Contract is :  **a]** **Technical Capacity** *(Specify the appropriate works based on the scope of the contract)*  i)Over the last five years  *[Guideline for T/ plant – Water retaining structures of a corresponding value:*  *For Water Tower –*  *1. Below 300 m3 capacity– Any type of Water Tower*  *2. Above 300 m3  and below 1000 m3 capacity– Similar type Water*  *Tower*  *3. Above 1000 m3 capacity - Similar type but min. of 1000 m3 capacity.*  *For Reservoirs – above 450 m3 capacity – minimum of 450 m3 capacity reservoir.*  *below 450 m3 capacity – same capacity reservoir.*  *For Pipe laying- Range of diameter and length of laying (50% or 10 km whichever is less) (aggregate of pipe lengths under different contract should be considered)*  **“Laying”** means Laying of Pipes according to the Specifications, testing, backfilling, compaction, disinfection and handing over. |
|  | **“Construction”** means construction according to the specification, testing, cleaning, disinfection and handing over. |
|  | ii) Average of the annual volume of construction work   1. *If contract period is less than one year, the value of the Engineers estimate,* 2. *If contract period is more than one year, 1.5 times annual value of the proposed work \*1*     *\*1 Annual Value of proposed work,*  *= 12 x Engineer’s estimate*  *Contract duration in months*  Revised on 25-02-2020 |
|  | iii) Proposals for the timely acquisition (own, lease, hire, etc.) of the essential equipment listed in the Bidding Data Clause 4.3 shall be listed in Appendix 3 & 3A.  iv) Details of Key Technical Staff and Managerial Services shall be listed in Appendix 2 |
|  | **b] Financial Capacity for Works Contract**  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  *\*4 (i) For Major Contracts (more than Rs. 100 million)- Financial*  *requirement for 4 months period*  *(ii)For Other Contracts (less than Rs. 100 million)- Financial*  *requirement for 3 months period*  Documentary evidence to justify shall be submitted |
|  | **c]** **If any item which has to be supplied under the contract comes under the NWSDB Pre-qualified manufacturers list, shall be from the NWSDB pre-qualified manufacturers. Lists of those manufacturers are given in Appendix 18.** |
|  | **d] Irrespective of region, to call open bids and to grant a 5% preference (regional preference) for the regional contractors whose Bids have become as responsive bids when the estimated cost of the bid is less than Rs.50 Million as stipulated in Public Finance Circular No. 04/2016(ii).** |
| **(5.1)** | Add to the Clause  Joint Venture shall not be accepted. |
| **(9.1)**  **(11.1)** | Employer’s address for the purpose of clarification is ;  Assistant General Manager (Tenders and Contracts),  Tenders and Contract Section,  National Water Supply and Drainage Board,  Galle Road, Ratmalana.  Fax . 011 – 2635885 Tel:011-2635885    The language of the bidding document shall be English. |
| **(13.3)** | VAT component shall not be included in the rates. The amount written in the Form of Bid shall be without VAT. However VAT component shall be shown separately at the Summary of the Bills. |
| **(13.4)** | The Contract is subjected to price adjustment in accordance with Clause 47 of the Conditions of Contract if the Intended Completion Date from the Start Date exceeds 3 months. |
| **(13.5)** | If a Bidder has given a discount of his bid price, the discount shall be distributed to each and every item excluding provisional sum in the Bills of Quantities by adjusting the rates in the Bills of Quantities by the percentage of discount offered. This rate is applicable for all extra works to complete the works in the Contract.  Revised on 27-02-2020 |

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| **(14.1)** | Bidders are not allowed to bid in foreign currencies. |
| **(15.1)** | The Bid shall be valid for 91 days from the date of closing of the bids (excluding closing date). |
| **(16.1)** | Bid shall include a Bid Security in the form included in Section 12. |
| **(16.2)** | Bid Security shall be:   1. for an amount ………………….. 2. Valid until *………………(give a Date)*   And issued by an agency stipulated below using the Form  for Bid security (unconditional guarantee) included in  Section 12,Standard Forms.   1. Bank operating in Sri Lanka, approved by the Central Bank of Sri Lanka. 2. Sri Lanka rupee cash deposit to the National Water Supply and   Drainage Board, (The original receipt for such deposit shall be attached to the original tender document).     1. Certified cheque issued by a Bank operating in Sri Lanka in favor of National Water Supply and Drainage Board. 2. A Bank guarantee issued by a Bank based in another country but the security or guarantee “confirmed” by a Bank operating in Sri Lanka approved by the Central Bank of Sri Lanka.   **The term “confirmed” in relation to bank guarantee issued by a Bank based in another country means that the “confirmed” bank held liable for paying the respective guaranteed amount at the request of first demand by the beneficiary.** |
| **(17.0)** | Pre Bid meeting *will /will not*  be held  Pre Bid meeting - venue \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Date Time \_\_\_\_\_\_\_\_ |
| **(19.2) a**  **(19.2) b** | The Employer’s address for the purpose of Bid submission is  …………………………………  …………………………………  …………………………………  Contract name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Contract no. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Revised on 25-10-2018 |
| **(20.1)& (23.0)** | The deadline for submission and opening of Bids shall be as specified in the IFB. |
| **(26.1)** | Add Clause 26.1 (e)  26.1 (e). Meets the qualification criteria given in the Clause 4.4 of the Bidding Data  Add to the Clause 26.1  If a bid does not meet any one of the above requirements (a) to (c) and (e), it will be considered substantially non responsive and rejected by the Procurement Committee. |
| **(33.7)** | If a Bidder has given a discount of his bid price, the discount shall be distributed to each and every item excluding provisional sum in the Bills of Quantities by adjusting the rates in the Bills of Quantities by the percentage of discount offered. Contractor shall adjust all BOQ Rates deducting the discounted amount and shall endorse with the Contractor’s Signature. This rate is applicable for all extra works to complete the works in the Contract. |
| **(34.0)**  **(34.3)** | The amount of Performance Security is 5% of the Initial Contract Price.  And issued by an agency stipulated under the Clause 52.1 of **Contract Data.**  Add following Sub- Clause 34.3  Failure of the successful bidder to comply with the requirements of Clause 33 and 34 shall constitute a breach of Contract, cause for annulment of the award, forfeiture of the bid security, and any such other remedy the Employer may take under the Contract, and the Employer may resort to awarding the Contract to the next ranked bidder. |
| **(36.0)** | Clause 36 deleted & insert the following.  Refer Clause 25 of General Conditions of Contract. |
|  |  |

Revised on 23-09-2019

**G. Bidding Data**

(Please note that the Clause numbers given here under are that of Instructions to Bidders)

**Instructions to Bidders**

**Clause Reference**

|  |  |
| --- | --- |
| **(1.1)** | The Employer is  Name : National Water Supply and Drainage Board  Address: Galle Road,  Ratmalana  The Works consist of *(Specify the scope of work with Sufficient*  *details)*\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  located at \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **(1.2)** | Intended Completion Date is Days from the Start Date. |
| **(1.3)** | The office for collection of bid forms is  …………………………………  …………………………………  …………………………………  The non-refundable fee is Rupees \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Plus VAT, payable in cash.  The Bid forms will be issued until\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **(2.1)** | The source of funds is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Revised on 15-07-2020

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| **(4.2)**  **(4.3)** | The registration required  Specialty \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Grade \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  The following Qualification information shall be provided in Section 4:  a) CIDA Registration;  Registration number  Grade  Speciality  Expiry Date  b) Authorization to sign the bid on behalf of the Bidder.  c) VAT Registration number.  c’) Work Programme proposed by the Contractor (Appendix 5)  d) Legal Status (Sole proprietor, Partnership, Company etc. – copy of the Article of Incorporation and other relevant documents shall be provided )  e) Details of Works Completed within the Last Five Years and Ongoing Similar Ones (Specialized work); (Appendix 1A)  f) Details of Works (excluding similar works) Completed within the Last Five Years and Ongoing Ones ; (Appendix 1B)  g) Total monetary value of construction work performed and ongoing for each contract during the last five years; (Appendix 1A & 1B).  h) Major equipment proposed to carry out the Contract; (Appendix 3 or 3A)  i) Qualifications and experience of key Technical staff and Construction Management Services proposed for the Contract; (Appendix 2).  j) Bidder’s financial statement for last 3 years and Revolving Credit Line Facility (Appendix 4 and 4A).  k) Method Statement (Appendix 5A). |
|  | l) Name of the Manufacturers for the supplied items under the contract.    m) Name and address of the local agent of above mentioned Manufacturers under item (l) (Appendix16).  n) Provide Quality Management System Certificates (ISO 9001:2015) for the factory of above mentioned Manufacturers under item (l).  o) Provide Product Conformity Certificate for the above mentioned Manufacturers under item (l).  Revised on 27-02-2020  p) Functional Guarantees for the leak proof pipeline by manufacturers (Formats are given in Appendix 7A, 7B & 7C)  q) The bidder shall provide a certificate for the confirmation from WRAS (UK) or NSF International laboratories for the suitability for the drinking water purposes for raw materials, PE Pipes &fittings.  r) Certificate of Registration of the Bidder as per the Act No. 3 of 1987 with the Registrar of Public.  *s) Any other* |
| **(4.4)** | \* Minimum qualification to qualify for the award of the Contract is :  **a]** **Technical Capacity** *(Specify the appropriate works based on the scope of the contract)*  i)Over the last five years  *[Guideline for T/ plant – Water retaining structures of a corresponding value:*  *For Water Tower –*  *1. Below 300 m3 capacity– Any type of Water Tower*  *2. Above 300 m3  and below 1000 m3 capacity– Similar type Water*  *Tower*  *3. Above 1000 m3 capacity - Similar type but min. of 1000 m3*  *capacity.*  *For Reservoirs – above 450 m3 capacity – minimum of 450 m3*  *capacity reservoir*  *below 450 m3 capacity – same capacity reservoir*  *For Pipe laying- Range of diameter and length of laying (50% or 10 km which ever is less) (aggregate of pipe lengths under different contract should be considered)*  **“Laying”** means Laying of Pipes according to the Specifications, testing, backfilling, compaction, disinfection and handing over. |
|  | **“Construction”** means construction according to the specification, testing, cleaning, disinfection and handing over. |
|  | ii) Average of the annual volume of construction work   1. *If contract period is less than one year, the value of the Engineers estimate,* 2. *If contract period is more than one year, 1.5 times annual value of the proposed work \*1*     *\*1 Annual Value of proposed work,*  *= 12 x Engineer’s estimate*  *Contract duration in months*  Revised on 25-02-2020 |
|  | iii) Proposals for the timely acquisition (own, lease, hire, etc.) of the essential equipment listed in the Bidding Data Clause 4.3 shall be listed in Appendix 3 & 3A.  iv) Details of Key Technical Staff and Managerial Services shall be listed in Appendix 2 |
|  | **b] Financial Capacity for Works Contract**  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  *\*4 (i) For Major Contracts (more than Rs. 100 million)- Financial*  *requirement for 4 months period*  *(ii)For Other Contracts (less than Rs. 100 million)- Financial*  *requirement for 3 months period*  Documentary evidence to justify shall be submitted |
|  | **c]** **If any item which has to be supplied under the contract comes under the NWSDB Pre-qualified manufacturers list, shall be from the NWSDB pre-qualified manufacturers. Lists of those manufacturers are given in Appendix 18.** |
|  | **d] Irrespective of region, to call open bids and to grant a 5% preference (regional preference) for the regional contractors whose bids have become as responsive bids when the estimated cost of the Bid is less than Rs.50 Million as stipulated in Public Finance Circular No. 04/2016(ii).** |
| **(5.1)** | Add to the Clause  Joint Venture shall not be accepted. |
| **(9.1)**  **(11.1)** | Employer’s address for the purpose of clarification is ;  Assistant General Manager (Tenders and Contracts),  Tenders and Contract Section,  National Water Supply and Drainage Board,  Galle Road, Ratmalana.  Fax . 011 – 2635885 Tel:011-2635885    The language of the bidding document shall be English. |

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| **(13.3)** | VAT component shall not be included in the rates. The amount written in the Form of Bid shall be without VAT. However VAT component shall be shown separately at the Summary of the Bills. |
| **(13.4)** | The Contract is subjected to price adjustment in accordance with Clause 47 of the Conditions of Contract if the Intended Completion Date from the Start Date exceeds 3 months.  Revised on 27-02-2020 |
| **(13.5)** | If a Bidder has given a discount of his bid price, the discount shall be distributed to each and every item excluding provisional sum in the Bills of Quantities by adjusting the rates in the Bills of Quantities by the percentage of discount offered. This rate is applicable for all extra works to complete the works in the Contract. |
| **(14.1)** | Bidders are not allowed to bid in foreign currencies. |
| **(15.1)** | The Bid shall be valid for 91 days from the date of closing of the bids (excluding closing date). |
| **(16.1)** | Bid shall include a Bid Security in the form included in Section 12. |
| **(16.2)** | Bid Security shall be:   1. for an amount ………………….. 2. Valid until *………………(give a Date)*   And issued by an agency stipulated below using the Form  for Bid security (unconditional guarantee) included in  Section 12,Standard Forms.   1. Bank operating in Sri Lanka, approved by the Central Bank of Sri Lanka. 2. Sri Lanka rupee cash deposit to the National Water Supply and Drainage Board, (The original receipt for such deposit shall be attached to the original tender document). 3. Certified cheque issued by a Bank operating in Sri Lanka in favor of National Water Supply and Drainage Board. 4. A Bank guarantee issued by a Bank based in another country but   **The term “confirmed” in relation to bank guarantee issued by a Bank based in another country means that the “confirmed” bank held liable for paying the respective guaranteed amount at the request of first demand by the beneficiary.** |
| **(17.0)** | Pre Bid meeting *will /will not*  be held  Pre Bid meeting - venue \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Date Time \_\_\_\_\_\_\_\_ |
| **(19.2) a**  **(19.2) b** | The Employer’s address for the purpose of Bid submission is  …………………………………  …………………………………  …………………………………  Contract name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Contract no. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Revised on 25-10-2018 |
| **(20.1)& (23.0)** | The deadline for submission and opening of Bids shall be as specified in the IFB. |
| **(26.1)** | Add Clause 26.1 (e)  26.1 (e). Meets the qualification criteria given in the Clause 4.4 of the Bidding Data  Add to the Clause 26.1  If a bid does not meet any one of the above requirements (a) to (c) and (e), it will be considered substantially non responsive and rejected by the Procurement Committee. |
| **(33.7)** | If a Bidder has given a discount of his bid price, the discount shall be distributed to each and every item excluding provisional sum in the Bills of Quantities by adjusting the rates in the Bills of Quantities by the percentage of discount offered. Contractor shall adjust all BOQ Rates deducting the discounted amount and shall endorse with the Contractor’s Signature. This rate is applicable for all extra works to complete the works in the Contract. |
| **(34.0)**  **(34.3)** | The amount of Performance Security is 5% of the Initial Contract Price.  And issued by an agency stipulated under the Clause 52.1 of **Contract Data.**  Add following Sub- Clause 34.3  Failure of the successful bidder to comply with the requirements of Clause 33 and 34 shall constitute a breach of Contract, cause for annulment of the award, forfeiture of the bid security, and any such other remedy the Employer may take under the Contract, and the Employer may resort to awarding the Contract to the next ranked bidder. |
| **(36.0)** | Clause 36 deleted & insert the following.  Refer Clause 25 of General Conditions of Contract. |

Revised on 23-09-2019

Revised on 19-06-2014

**CONTRACT DATA**

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.

*(Note: What is given in italic letters are guide lines to prepare the Contract Data and they shall be removed after preparation of the Contract Data.)*

Revised on 20-02-2018

**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)***

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| **(1.0)** | **The Employer is**  Name: National Water Supply and Drainage Board,  Address: Galle Road, Ratmalana  Authorized Representative: The Chairman,  National Water Supply& Drainage Board, | | |
|  | **The Engineer is**  General Manager,  National Water Supply and Drainage Board,  Galle Road, Ratmalana.  **Engineer's Representative : \_\_\_\_\_\_\_\_\_\_\_\_\_\_**  *(Fill the Name of PD / DGM of relevant RSC and Designation)* | | |
|  | The Works consists of ……………………………………………….……………….  …………………………………………………………………………………………  …………………………………………………………………………………………  ………………………………………………………………………………………… | | |
|  | The Site is located at ………………………………………………..……………………………………….  …………………………………………………………………………………………  ………………………………………………………………………………………… | | |
| **(2.3)** | | The Start Date shall be 14 Days from the Letter of Acceptance.  Replace the content with the followings;  The documents forming the Contract shall be interpreted in the following order of priority:   1. Agreement 2. Letter of Acceptance, 3. Memorandum of understanding (if any)/Addenda prior to signing the Agreement 4. Contractor’s Bid, 5. Contract Data, 6. Conditions of Contract 7. Specifications (Specifications given in this document supersedes the CIDA specifications). 8. Drawings 9. Bills of Quantities 10. Schedule of Particulars 11. Any other document (if any)   Revised on 15-07-2020  Any other document listed in the Contract Data as forming part of the Contract.  The following documents also form part of the Contract.   1. Appendix 2 09. Appendix 11 2. Appendix 3 10. Appendix 12 3. Appendix 3A 11. Appendix 13 4. Appendix 5 12. Appendix 14 5. Appendix 7 13. Appendix 14A, 14B,14C 6. Appendix 8 14. Appendix 15A, 15B 7. Appendix9 15. Appendix 19 8. Appendix 10 | | |
| **Clause 4.** | | Engineer’s Decision | | |
|  | | Add following Sub-Clauses | | |
| **4.1** | | The Engineer shall carry out such duties in issuing decisions, certificates and orders as are specified in the Contract. In the event of the Engineer being required in terms of his appointment by the Employer to obtain the specific approval of the Employer for the execution of any part of these duties, it shall be setout in this Conditions of Contract. | | |
| **4.3** | | The Engineer shall, upon receipt of the Contractor’s intimation on quantity variation as per Clause 39.2, take every action to establish the validity of the Contractor’s forecast and if found true, institute all relevant measures to inform the Employer thereof and seek and obtain the necessary Procurement Committee approval for executing Works under Variation order | | |
| **Clause 5** | | Delete Sub Clause 5.2 and add following Sub-Clauses Duties and Powers of Engineer’s Representative | | |
| **5.2** | | The Engineer’s Representative shall be responsible to the Engineer and his duties are to watch and supervise the Works and to test and examine any materials to be used or workmanship employed in connection with the Works. He shall have no authority to relieve the Contractor of any of his duties or obligations under the Contract nor, except as expressly provided hereunder or elsewhere in the Contract, to order any Work involving delay or any extra payment by the Employer, nor to make any Variation of or in the Works**.** | | |
| **5.3** | | The Engineer may from time to time in writing delegate with the approval of the Employer, to the Engineer’s Representative any of the powers and authorities vested in the Engineer and shall furnish to the Contractor and to the Employer a copy of all such written delegations of powers and authorities. Any written instructions or approval given by the Engineer’s Representative to the Contractor within the terms of such delegation, but not otherwise shall bind the Contractor and the Employer as though it had been given by the Engineer provided always as follows; | | |
|  | | Failure of the Engineer’s Representative to disapprove any work or materials shall not prejudice the power of the Engineer thereafter to disapprove such work or materials and to order the pulling down, removal or breaking up thereof. Revised on 23-09-2019   1. If the Contractor shall be dissatisfied by reason of any decision of the Engineer’s Representative, he shall be entitled to refer the matter to the Engineer, who shall thereupon confirm, reverse or vary such decision. | | |
|  | | The Engineer’s Representative shall take every possible course of action to study technical and contractual details well in advance so that technical and contractual disparities in Drawing, Contract document and actual Site conditions that may give rise to contractual Variations should be identified in time. | | |
|  | | The Engineer’s Representative shall prepare all details on Variations that arise and require approval for their execution as defined in Clause 39 and submit to the Engineer in such form and in such numbers along with supporting documents as the Engineer may prescribe from time to time. | | |
| **5.4** | | The Engineer or Engineer’s Representative may appoint any number of persons to assist the Engineer’s Representative in carrying out of his duties under Sub-Clause 5.4. He shall notify the Contractor names, duties and the authority of such persons. Such assistants shall have no authority to issue any instructions to the Contractor save in so far as such instruction may be necessary to enable them to carry out their duties and to secure their acceptance of Materials, Plant or workmanship as being in accordance with the Contract and any instructions given by them for these purposes shall be deemed to have been given by the Engineer’s Representative. | | |
| **(8.1)** | Schedule of other contractors**:** | | |
|  | **Bidder** | **Contract title** | **Period** |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_ |
| **Clause 9** | Add to the Sub-Clause 9.1 | | |
| **(9.1)** | Schedule of Key Personnel:  Minimum persons with qualifications and experience to be defined,  (a) Technical  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  (b) Managerial *(Please refer Appendix 2)*  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | |

Revised on 23-09-2019

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|  | Add following Sub-Clauses |
| **9.3** | Engagement of Labour |
|  | The Contractor shall make his own arrangements for the engagement of all labour local or otherwise, and, save in so far as the Contract otherwise provides for the transport, housing, feeding and payment thereof.  The Contractor shall where possible employ skilled and semi skilled labour possessing National Certificate of Trade Tests issued by the National Apprentices and Industrial Training Authority. The Contractor shall ensure that at least 15% of skilled/semi skilled labour force at any time possess National Trade Test Certificates. In the alternative, the Contractor shall arrange for at least 15% of his skilled/semi skilled work force to be Trade Tested at the next National Trade Test being conducted by the National Apprentices and Industrial Training Authority. In respect of heavy earthmoving equipment operators, the percentage of those possessing the National Certificate of Competence or those required to be tested will be 100%. The failure of the Contractor to comply with the above will result in a deduction of 0.3% of each interim payment certificate until compliance with above when the amount withheld will be refunded. |
| **9.4** | Supply of Water |
|  | The Contractor shall, so far as is reasonably practicable, having regard to local conditions provide on the site to the satisfaction of the Engineer’s Representative, an adequate supply of drinking and other water for the use of the Contractor’s staff and work force. |
| **9.5** | Alcoholic Liquor or drugs |
|  | The Contractor shall not, otherwise than in accordance with the Statutes, Ordinance and Government Regulations or Orders for the time being in force, import, sell, give, barter or otherwise dispose of any Alcoholic Liquor, or drugs or permit or suffer any such importation, sale, gift, barter or disposal by his Sub Contractors, agents or Employees. |
| **9.6** | Arms and Ammunition |
|  | The Contractor shall not give, barter or otherwise dispose of to any person or persons, any arms or ammunition of any kind or permit or suffer the same as aforesaid. |
| **9.7** | Festivals and Religious Customs |
|  | The Contractor shall in all dealings with labour in his employment have due regard to all recognized festivals, days of rest and religious or other customs. |

Revised on 23-09-2019

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| **9.8** | Epidemics |
|  | In the event of any outbreak of illness of an epidemic nature, the Contractor shall comply with and carry out such regulations, orders and requirements as may be made by the Government, or the local medical or sanitary authorities for the purpose of dealing with and overcoming the same. |
| **9.9** | **Disorderly Conduct etc.** |
|  | The Contractor shall at all time take all reasonable precautions to prevent any unlawful, riotous or disorderly conduct by or amongst his employees and for the preservation of peace and protection of persons and property in the neighborhood or the Works against the same. |
| **9.10** | **Rates of wages and conditions of labour** |
|  | Wages, and hours and conditions of employment shall be not less favorable than those prescribed for the time being by the wages Board Ordinance of Sri Lanka and the Contractor shall be bound by the said Wages Board Ordinance concerning his employees of any kind whatsoever. |
| **9.11** | **Observance by sub Contractors** |
|  | The Contractor shall be responsible for observance by his Sub Contractor of the foregoing provisions. |
| **9.12** | **Other Conditions Affecting Labour and Wages.** |
| **9.12.1** | The Contractor shall indemnify and keep the Employer indemnified against all claims made under the Sri Lanka’s Workmen’s Compensation Ordinance No. 19 of 1934 and the Employee’s Provident Fund Act No. 15 of 1958 and any statutory amendments thereto or modification thereof. Contractor shall make arrangements to enroll all his employees to Employees Provident Fund and Employee’s Trust Fund and any other statutory requirements and pay such sums to these institutions in time. |
| **9.12.2** | The Contractor shall provide adequate latrines on the Site for the use of his staff and workers and separate latrines for the sole use of Engineer’s staff in accordance with requirements of the local authority and shall maintain same in a clean and good sanitary state at all times. |
| **9.12.3** | The Contractor shall provide for the exclusive use of the Engineer’s Representative and his staff an office, as specified below . |
|  | Provision of office and other related facilities by the Contractor  The office shall be of timber construction with boarded floor well lighted, lockable and fully weather proof. A covered parking space for one vehicle should be provided. |
|  | The office shall have two rooms with a total floor area of at least 30 square metres. The office shall have overhanging eaves and be provided with windows with lockable shutters for security. The door should be of substantial construction and shall be fitted with a mortice lock. At least two keys shall be provided for each lock and the Contractor shall hand over all keys to the Engineer’s Representative. The office shall be provided with a wash basin with cold running water and two ceiling fans. The Contractor shall provide electricity, air condition facilities, toilet facilities, potable drinking water facilities and the following furniture to the office. |
|  | **Item Required No**    1. Table 0.9m x 1.5m with four lockable drawers ……  2. Executive Chairs ……  3. Arm Chairs ……  4. Lockable four drawer steel filing cabinet ……  5. Set of shelving 1.2m high by 0.9m long with shelves for  keeping the drawings ……  6. Domestic water filter ……  7. Photocopy + Printing machine ……  8. Computer & required items + softwares ……  9. Binding machine ……  10. ………………. ……  And all ancillary items to permit the efficient functioning of the office. The Contractor shall maintain the building and fittings in good condition, provide all proper attendance and clear away on completion of the Contract, as directed by the Engineer. |
| **9.13** | **Return of Labour**  The Contractor shall if required by the Engineer, deliver to the Engineer’s Representative, or at his office a return in detail in such form and at such intervals as the Engineer may prescribe showing the supervisory staff and the numbers of the several classes of labour from time to time employed by the Contractor on the Site and such information respecting Equipment as the Engineer’s Representative may require. |
| **9.14** | **Construction Management Services**  To ensure the proper management of the construction of the Works, the Contractor shall furnish the names, qualifications and experience of such engineering and technical personnel above the grade of Technical Officer , who he intends employing for the purpose of providing proper construction management services for the Works. The personnel so listed should have the same qualifications and experience and numbers as indicated in the Bidding Documents. Such personnel whether listed in |
|  | the Bidding Document or not should be approved by the Engineer. The cost of these will be borne by the Contractor. If the Contractor wishes to obtain a specialized service which is essential for the execution of the Contract, during the Works are ongoing he shall notify this to the Employer and obtain this service from a recognized/qualified institutions/persons with the approval of the Engineer and payment against this provisional sum will be made to the Contractor on the recommendation of the Engineer in accordance with the provisions to Clause 63 of these conditions.  Revised on 23-09-2019 |
| **Clause 12** | Contractor’s Risks |
|  | Add following Sub-Clause. |
| **12.2** | Patent Rights and Royalties The Contractor shall save harmless and indemnify the Employer from and against all claims and proceedings for or on account of infringement of any patent rights, design, trademark or name or other protected rights in respect of any Constructional Plant, machinery work or material used for or in connection with the Works or any of them and from and against all claims proceedings, damages, costs, charges and expenses whatsoever in respect thereof or in relation thereto. Except where otherwise specified, the Contractor shall pay all tonnage and other royalties, rent and other payments or compensation, if any for getting stone, sand, gravel, clay or other Materials required for the Works or any of them. |
| **(13.1)** | The minimum insurance covers shall be :  (a) • The minimum cover for insurance of the Works and of Plant and Materials is110% of the Initial Contract Price. • The maximum deductible for insurance of the Works and of Plant andMaterials is 5% of the each claim. (b) • The minimum cover for loss or damage to Equipment is the replacement cost  of equipment  • The maximum deductible for insurance of Equipment is5% of the replacement  cost of each equipment  (c) • The minimum cover for insurance of other property (other than the Site)is(to cover the building and property adjacent to the site and reinstatement of the same) Rs. …………….. per event. Number of events are unlimited.  •The maximum deductible for insurance of other property(other than the Site)is is5% of the each claim. |
|  | (d) The minimum cover for personal injury or death,  • For third party and employees of the Employer and other persons  engaged by the Employer in the Works is Rs 1,000,000 per event, Number of events are unlimited |
|  | (e). Minimum cover for loss of business and loss of revenue is Rs. 1,000,000.00 No. of events unlimited. |
|  | (f) Minimum cover due to damages to existing properties / structures from  excavation for pipe laying or and structures, driving sheet piles, working  machineries, rock blasting operations is Rs. …………… for event. No. of  events are unlimited.  Revised on 23-09-2019 |
| **13.2** | (a) The minimum cover for personal injury or death,   1. For the Contractor's workmen is Rs 1,000,000 per event , number of events are unlimited. 2. Contractor's employees other than workmen is Rs 1,000,000 per event, number of events are unlimited. 3. Employer’s Employees and Consultant’s Employees is Rs.1,000,000/= per event, number of events are unlimited. |
| **13.7** | Add the following Sub Clause 13.7  All Insurance shall be issued by a reputed insurance Company/Corporation registered under the Insurance Board of Sri Lanka.  . |
| **13.8** | Add the following Sub Clause 13.8  Contractor shall bear all costs in connection with the damages to the Works, his labourers, employers staff and adjacent properties and pay any compensation to them. Contractor shall pay any loss of revenue to third party due to closure of roadways, and blockages of road ways or access to all business premise due to the implementation of the Works of the Contract.  Contractor shall indemnify the Employer for any losses or damages or any compensation due to cause of the works under the contract. |
| **14.1** | The following site investigation reports are annexed as Appendices.  Appendix …………  Appendix …………  *[State the title of reports Eg: Contour Plan, Soil Investigation Report. etc.]* |
| **Clause 16** | **Contractor to Construct the Works.** |
|  | Add following Sub-Clauses |
| 16.2 | Setting out The Contractor shall be responsible for the true and proper setting out of the Works in relation to original points, lines and levels of reference given by the Engineer in writing and for the correctness, subject as mentioned, of the position, levels, dimensions and alignment of all parts of the Works and for the provision of all necessary instruments, appliances and labour in connection therewith. If, at any time during the progress of the Works, any error shall appear or arise in the position, levels dimension or alignment of any part of the Works, the Contractor on being required so to do by the Engineer, or the Engineer’s Representative shall, at his own cost, rectify such error to the satisfaction of the Engineer or the Engineer’s Representative, unless, such error is based on incorrect data supplied in writing by the Engineer or the Engineer’s Representative, in which case the expense of rectifying the same shall be borne by the Employer. The checking of any setting-out or of any line or level by the Engineer or the Engineer’s Representative shall not in any way relieve the Contractor of his responsibility for the correctness thereof and the Contractor shall carefully protect and preserve all bench marks, site rails, pegs and other things used in setting out of the Works |
|  | Revised on 23-09-2019 |
| **16.3** | Boreholes and Exploratory Excavations |
|  | If, at any time during the execution of the Works, the Engineer shall require the Contractor to make boreholes or to carry out exploratory excavation, such requirements shall be ordered in writing and shall be deemed to be an addition ordered under the provisions of Clause 39 hereof unless an item or a provisional sum in respect of such anticipated work shall have been included in the Bill of Quantities. |
| **16.4** | Contractor to keep Site Clear During the progress of the Works, the Contractor shall keep the Site reasonably free from all unnecessary obstructions and shall store or dispose of any Constructional Plant and surplus material and clear away and remove from the Site any wreckage, rubbish or Temporary Works no longer required |
| **16.5** | Clearance of Site on Completion  1. On completion of the Works, the Contractor shall clear away and remove from the Site all Constructional Plant, surplus of material, rubbish and Temporary works of every kind and leave the whole of the Site and Works clean and in a workmanlike condition to the satisfaction of the Engineer.   (b). The Contractor may retain on Site with the consent of the Engineer until the end of Defect Liability Period such Materials, Contractor’s Equipment and Temporary Works as required by him for the purpose of fulfilling his obligation during Defect Liability Period. |
| **16.6** | Contractor’s Superintendence Notwithstanding the provisions made in the above Sub-Clause the Contractor shall give or provide all necessary superintendence during the execution of the Works and as long thereafter as the Engineer may consider necessary for the proper fulfilling of the Contractor’s obligations under the Contract. The Contractor or a competent and authorized agent or representative approved of in writing by the Engineer. Which approval may at any time be withdrawn, is to be constantly on the Works and shall give his whole time to the superintendence of the same. If such approval shall be withdrawn by the Engineer, the Contractor shall, as soon as is practicable, having regard to the requirement of replacing him as hereinafter mentioned, after receiving written notice of such withdrawal, remove the agent from the Works and shall not thereafter employ him again on the Works in any capacity and shall replace him by another agent approved by the Engineer. Such authorized agent or representative shall receive, on behalf of the Contractor, directions and instructions from the Engineer or subject to the limitations of Clause 5 hereof, the Engineer’s Representative |
| **16.7** | **Contractor’s Employees**  The Contractor shall provide and employ on the Site in connection with the execution and maintenance of the Works –  Revised on 23-09-2019  only such technical personnel as are skilled and experienced in their respective callings and such sub-agent, foremen and leading hands as are competent to give proper supervision to the work they are required to supervise; and such skilled, semi-skilled and unskilled labour as is necessary for the proper and timely execution & maintenance of the Works. |
|  | The Engineer shall be at liberty to object to and require the Contractor to remove forthwith from the Works any person employed by the Contractor in or about execution or maintenance of the Works who, in the opinion of the Engineer, misconducts himself, or is incompetent or negligent in the performance of his duties, or whose employment is otherwise considered by the Engineer to be undesirable and such person shall not be again employed upon the Works without the written permission of the Engineer. Any person so removed from the Works shall be replaced as soon as possible by a competent substitute approved by the Engineer |
| **16.8** | **Remedy on Contractor’s failure to carry out work required.** |
|  | If the Contractor shall fail to do any such work as aforesaid required by the Engineer, the Employer shall be entitled to employ and pay other persons to carry out the same and if such work is work which, in the opinion of the Engineer, the Contractor was liable to do at his own expense under the Contract, then all expenses consequent thereon or incidental thereto shall be recoverable from the Contractor by the Employer, or may be deducted by the Employer from any monies due which may become due to the Contractor. |
| **16.9** | **Plant etc. Exclusive use for the Works** |
|  | All Constructional Plant, Temporary Works and Materials provided by the Contractor shall, when brought on to the Site, be deemed to be exclusively intended for the execution of the Works and the Contractor shall not remove the same or any part thereof, except for the purpose of moving it from one part of the Site to another, without the consent in writing of the Engineer, which shall not be unreasonably withheld. |
| **16.10** | **Removal of Vehicles** |
|  | Although “Constructional Plant” includes vehicles engaged in transporting personnel, plant, Equipment or Materials to or from the Site, such vehicles may be removed from the Site as necessary for execution of the work without the consent in writing of the Engineer. |
| **16.11** | **Removal of Plant, etc.** |
|  | Upon completion of the Works the Contractor shall remove from the Site all the said Constructional Plant and Temporary Works remaining thereon and any unused Materials provided by the Contractor. |

Revised on 06-01-2016

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| **16.12** | **Employer not liable for damage to plant, etc.** |
|  | The employer shall not at any time be liable for the loss of or damage to any of the said Constructional Plant, Temporary Works or materials save as mentioned in Clause 10 hereof. |
| **16.13** | **Default of Contractor in Compliance** |
|  | In the case of default on the part of the Contractor in carrying out such order, the Employer shall be entitled to employ and pay other persons to carry out the same and all expenses consequent thereon or incidental thereto shall be recoverable from the Contractor by the Employer, or may be deducted by the Employer, from any monies due or which may become due to the Contractor. |
| **16.14** | **Standards**  The Goods & Works Supplied/carried out under the contract shall confirm to the Standards mentioned in the specifications, preamble notes on BOQ and BOQ. When no applicable standards is mentioned, the Goods supplied out shall conform to the authoritative standards appropriate to the Goods/Country of Origin and such standards shall be the latest issued by the concerned institution. |
| **(17.1)** | The Intended Completion Date for the whole of Works shall be \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **days from start date**. |
| **Clause 19**  **19.2** | Safety Add following Sub-Clauses Watching and Lighting The Contractor shall throughout the progress of the Works, have full regard for the safety of all persons entitled to be upon the Site and shall keep the Site (so far as the same is under his control) and the Works (so far as the same are not completed or |
|  | occupied by the Employer) in an orderly state appropriate to the avoidance of danger to such persons and shall inter alia in connection with the Works provide and maintain at his own cost all light, guards, fencing, warning signs and watching when and where necessary or required by the Engineer or the Engineer’s Representative or by any competent Statutory or other Authority for the protection of the Works or for the safety and convenience of the public or others |
| **19.3** | **Interference with Traffic and adjoining properties**.  All operations necessary for the execution of the Work shall so far as compliance with the requirements of the Contract permits, be carried on so as not to interfere unnecessarily or improperly with the convenience of the public or the access to use and occupation of public or private roads and footpaths to or of properties whether in the possession of the Employer or of any other person. The Contractor shall save harmless and indemnify the Employer in respect of all claims, proceedings, damages, costs, charges and expenses whatsoever arising out of, or in relation to, any such matters in so far as the Contractor is responsible therefore**.** |
| **19.4** | **Avoidance of damage to Highway etc.**  The approval of the appropriate Highway Authority is to be obtained prior to the movement of any extra-ordinary loads. The Contractor shall use every possible means to prevent any of the highway or bridges communicating with or on the routes to the Site from being damaged or injured by any traffic of the Contractor or any of his Sub-Contractors and, in particular shall select routes, choose and use vehicles and  restrict and distribute loads, so that, any such extra-ordinary traffic as will inevitably |
|  | arise from the moving of plant and material from and to the Site shall be limited, as far as reasonably possible, and so that no unnecessary damage or injury may be occasioned to such highway and bridges. |
| **19.5** | **Transport of Constructional Plant**  Save in so far as the Contract otherwise provides the Contractor shall be responsible for and shall pay the cost of temporarily strengthening any bridges or altering or improving any highway communicating with the site to facilitate the movement of Constructional Plant, Equipment or Temporary Works required in the execution of the Works and the Contractor shall indemnify and keep indemnified the Employer against all claims for damage to any Highway or Bridge communicating with the Site caused by such movement including such claims as may be made by competent authority directly against the Employer pursuant to any Act of Parliament or other Statutory Institution and shall negotiate and pay all claims arising solely out of such damage. |
| **19.6** | **Waterborne Traffic** |
|  | Where the nature of the works is such as to require the use by the Contractor of waterborne transport the foregoing provisions of this Clause shall be construed as though “Highway” included a lock, dock, sea wall or other structure related to a waterway and “vehicle” included craft, and shall have effect accordingly. |
| **19.7** | **Staff and Labour**  The Contractor shall:   1. comply with all applicable safety regulations; 2. take care for the safety of all persons entitled to be on the Site;   Due precautions shall be taken by the Contractor, and at his own cost, to ensure the safety of his staff and labour |
| **19.8** | **Temporary Works**  Provide any Temporary Works (including roadways, footways, guards and fences) which may be necessary, because of the execution of the Works, for the use and protection of the public and of owners and occupiers of adjacent land.  Revised on 23-09-2019 |

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| **20**  **20.2** | **Discoveries**  Add Sub-Clause 20.2  Contractor shall protect in proper and safe manner all such discoveries and keep them in safe custody until the Engineers instructions are received. |
| **21.1** | The Site Possession Date shall be 13 Days from Letter of Acceptance |
| **24** | **Dispute Resolution**  Delete Clause 24  Delete Clause 25  Add the following Sub-Clauses |
| **24.1** | **Amicable settlement**  Any dispute of whatever nature arising out of or in relation to this agreement shall in the first instance be attempted to be resolved by way of amicable settlement by the Employer and the Contractor.  The Employer and the Contractor shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.  If after thirty (30) days from the commencement of such informal negotiation the Employer and the Contractor have been unable to resolve amicably a contractual dispute, either party may require that the dispute be referred for resolution to the formal mechanism stated in Clause 19.3 herein. These mechanisms may include, but not restricted to, condition mediated by a third party, adjudication in an agreed national forum and/or arbitration |
| **25**  **25.1** | **Dispute Adjudication Board (DAB)**  **Appointment of the Dispute Adjudication Board (DAB)** |
|  | Any dispute of whatever nature arising out of or in relation to this agreement shall be referred to a "Dispute Adjudication Board (DAB) for decision The Parties shall appoint a DAB. |
|  | The DAB shall comprise, three suitably qualified persons (“the members”), who shall be professionals experienced in the type of Works and with the interpretation of contractual documents, one of whom shall serve as chairman. |
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|  | Each of the Parties shall appoint one member to serve on the Dispute Adjudication board (DAB). The Parties shall consult both these members and shall agree upon the third member, who shall be appointed to act as the chairman.  The agreement between the Parties and each of the three members shall incorporate by reference the General Conditions of Dispute Adjudication Agreement contained in the Appendix to these Contract Data, with such amendments as are agreed between them.  Revised on 23-09-2019 |
|  | The terms of the remuneration of the three members, including the remuneration of any expert whom the DAB consults, shall be mutually agreed upon by the Parties when agreeing the terms of appointment of the member or such expert (as the case may be). Each Party shall be responsible for paying one-half of this remuneration.  If a member declines to act or is unable to act as a result of death, disability, resignation or termination of appointment, a replacement shall be appointed in the same manner as the replaced person was required to have been nominated or agreed upon, as described in this Sub-Clause. |
|  | The appointment of any member may be terminated by mutual agreement of both Parties, but not by the employer or the Contractor acting alone. Unless otherwise agreed by both Parties, the appointment of the DAB (including each member) shall expire when the Issuing Final Acceptance Certificate. |
| **25.2** | **Failure to Agree on the Composition of the Dispute Adjudication Board** |
|  | If any of the following conditions apply, namely:   1. either Party fails to nominate a member of a DAB by such date, 2. the Parties fail to agree upon the appointment of the third member (to act as chairman) of the DAB by such date, or 3. The Parties fail to agree upon the appointment of a replacement person within 42 Days after the date on which the one of the three members declines to act or is unable to act as a result of death, disability, resignation or termination of appointment.   Then Construction Industry Development Authority (CIDA) shall, upon the request of either or both of the Parties and after due consultation with both Parties, appoint this member of the DAB. This appointment shall be final and conclusive. Each Party shall be responsible for paying one-half of the expenses / disbursements incurred by (CIDA). |
| **25.3** | **Obtaining Dispute Adjudication Board’s Decision** |
|  | If a dispute (of any kind whatsoever) arises between the Parties in connection with, or arising out of, the Contract or the execution of the Works, including any dispute as to any certificate, determination, instruction, opinion or valuation of the Engineer, either Party may refer the dispute in writing to the DAB for its decision, with copies to the other Party and the Engineer. Such reference shall state that it is given under this Sub-Clause.  The DAB shall be deemed to have received such reference on the date when it is received by the chairman of the DAB. |

Revised on 06-08-2015

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|  | Both Parties shall promptly make available to the DAB all such additional information, further access to the Site, and appropriate facilities, as the DAB may require for the purposes of making a decision on such dispute. The DAB shall be deemed to be not acting as arbitrators(s). |
|  | Within 84 Days after receiving such reference, or within such other period as may be proposed by the DAB and approved by both Parties, the DAB shall give its decision, which shall be reasoned and shall state that it is given under this Sub-Clause. The decision shall be binding on both Parties, who shall promptly give effect to it unless and until it shall be revised in an amicable settlement or an arbitral award as described below. Unless the Contract has already been abandoned, repudiated or terminated, the Contractor shall continue to proceed with the Works in accordance with the Contract. |
|  | If either Party is dissatisfied with the DAB’s decision, then either Party may, within 28 Days after receiving the decision, give notice to the other Party of its dissatisfaction and intention to commence arbitration. If the DAB fails to give its decision within the period of 84 Days (or as otherwise approved) after receiving such reference, then either Party may, within 28 Days after this period has expired, give notice to the other Party of its dissatisfaction and intention to commence arbitration.  In either event, this notice of dissatisfaction shall state that it is given under this Sup-Clause, and shall set out the matter in dispute and the reasons(s) for dissatisfaction. Except as stated in Sub-Clause 25.4 [Failure to Comply with Dispute Adjudication Board’s Decision] and Sub-Clause 25.5 [Expiry of Dispute Adjudication Board’s Appointment], neither Party shall be entitled to commence arbitration of a dispute unless a notice of dissatisfaction has been given in accordance with this Sub-Clause. |
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|  | If the DAB has given its decision as to a matter in dispute to both Parties, and no notice of dissatisfaction has been given by either Party within 28 Days after it received the DAB’s decision, then the decision shall become final and binding upon both Parties. |
| **25.4** | **Failure to Comply with Dispute Adjudication Board’s Decision**  In the event that a Party fails to comply with a DAB decision which has become final and binding, then the other Party may, without prejudice to any other rights it may have, refer the failure itself to arbitration under Sub-Clause 25.6 [Arbitration]. Sub-Clause 25.3 [Obtaining Dispute Adjudication Board’s Decision] shall not apply to this reference. |
| **25.5** | **Expiry of Dispute Adjudication Board’s Appointment** |
|  | If a dispute arises between the Parties in connection with, or arising out of, the Contract or the execution of the Works and there is no DAB in place, whether by reason of the expiry of the DAB’s appointment or otherwise:   1. Sub-Clause 25.3 [Obtaining Dispute Adjudication Board’s Decision] shall not apply, and   Revised on 02-12-2014 |
|  | 1. the dispute may be referred directly to arbitration under Sub-Clause 25.6 [Arbitration] |
| **25.6**  **27** | **Arbitration**  (a) Any dispute of whatever nature arising from, out of or in connection with this agreement, on the interpretation thereof, or the rights, duties, obligations or liabilities of any Party, or the operation, breach, termination, abandonment, foreclosure or invalidity thereof, shall be referred to by either Party to arbitration for final settlement, in accordance with the Arbitration Act No. 11 of 1995, or any amendment thereof,  Venue &Language : The venue of arbitration shall be in Colombo, Sri Lanka and the proceedings shall be conducted and the award shall be rendered in English language.  **Program** |
| **27.1** | The Contractor shall submit a programme for the Works within 07 Days of delivery of the Letter of Acceptance. |
| **27.3**  **27.4** | The period between Programme update is within the quarter of the Contract period.  The amount to be withheld for late submission of a Programme is 2% of the Initial Contract Price. |
| **27.5** | **Add Sub Clause 27.5** |
|  | Subject to any provision to the contrary contained in the Contract, none of the Permanent Works shall, save as hereafter provided, be carried on during the night or on Sundays, Saturdays or other Statutory days of rest without the permission in writing of the Engineer’s Representative, except when the work is unavoidable or absolutely necessary for the saving of life or property or for safety of the Works, in which case the Contractor shall immediately advice the Engineer’s Representative. Provided always that the provision of this Clause shall not be applicable in the case of any work which it is customary to carry outside normal working hours by rotary or double shifts. Normal working hours should be 7.30 a.m to 5.00 p.m. |
| **27.6** | **Rate of Progress**  If for any reason, which does not entitle the Contractor to an extension of time, the rate of progress of the Works or any section is at any time, in the opinion of the Engineer, too slow to ensure completion by the prescribed time or extended time for completion, the Engineer shall so notify the Contractor in writing and the Contractor shall thereupon take such steps as are necessary, and the Engineer may approve to expedite progress so as to complete the Works or such Section by the prescribed time or extended time. The Contractor shall not be entitled to any additional payment for taking such steps. If, as a result of any notice given by the Engineer under this Clause, the Contractor shall seek the Engineer’s permission to do any work at night or on Sundays, or other recognized days of rest, such permission shall not be unreasonably refused. |
| **31.3** | Progress meeting shall be held at least once a month and progress report shall be submit by the Contractor.  Revised on 05-06-2017 |
| **33**  **33.2** | **Identifying Defects**  **Add to Clause 33**  The Contractor shall, if required by the Engineer in writing, search under the directions of the Engineer for the cause of any defect, imperfection or fault appearing during the progress of the Works or in the period of Maintenance. Unless such defect imperfection or fault shall be one for which the Contractor is liable under the Contact, the cost of the work carried out by the Contractor in searching as aforesaid shall be borne by the Contractor and he shall in such case repair, rectify and make good such defect, imperfection or fault at his own expense in accordance with the provisions of Clause 54 hereof. Notice of searching for that defect and pricing the cost of searching shall be as defined in Clause 40. |
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| Clause 34 | Tests Add following Sub-Clauses. |
| **34.2** | Quality of Materials, Workmanship and Tests All materials and workmanship shall be of the respective kinds described in the Contract and in accordance with the Engineer’s instructions and shall be subjected from time to time to such tests as the Engineer may direct at the place of manufacture or fabrication or on the site or at such other place or places as may be specified in the Contract, or at all or any of such places |
|  | The Contractor shall provide such assistance instruments, machines, labour and materials as are normally required for examining, measuring and testing any work and the quality, weight or quantity of any material used and shall supply samples of materials before incorporation in the Works for testing as may be selected and required by the Engineer. |
| **34.3** | Examination of work before covering up |
|  | No work shall be covered up or put out of view without the approval of the Engineer or the Engineer’s Representative and the Contractor shall afford full opportunity for the Engineer or the Engineer’s Representative to examine and measure and work which is about to be covered up or put out of view and to examine foundations before permanent Works is placed thereon. The Contractor shall give due notice to the Engineer’s Representative whenever any such work or foundations is or are ready or about to be ready for examination and the Engineer’s Representative shall, without unreasonable delay, unless he considers it unnecessary and advises the Contractor accordingly, attend for the purpose of examining and measuring such work or of examine such foundations |

Revised on 23-09-2019

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| **34.4** | Uncovering and making openings The Contractor shall uncover any part or parts of the Works or make openings in or through the same as the Engineer may from time to time direct and shall reinstate and make good such part or parts to the satisfaction of the Engineer. If any such part or parts have been covered up or put out of view after compliance with the requirements of Sub-Clause 34.3 and are found to be executed in accordance with the Contract, the expenses of uncovering making openings in or through, reinstating and making good the same shall be borne by the Employer, but in any other case all costs shall be borne by the Contractor through, reinstating and making good the same shall be borne by the Employer, but in any other case all costs shall be borne by the Contractor. |
| **34.5** | Removal of improper work or materials The Engineer shall during the progress of the Works have power to order in writing from time to time.   1. the removal from the site, within such time or times as may be specified in the order, of any materials which, in the opinion of the Engineer, are not in accordance with the Contract. 2. the substitution of proper and suitable materials and 3. the removal and proper re-execution, notwithstanding any previous test thereof or interim payment therefore, of any work which in respect of materials or workmanship is not, in the opinion of the Engineer, in accordance with the Contract |
| **35.1** | The Defects Liability Period is **365 Days** from the date of certificate of Completion of the Works |
| **35.4** | Any goods supplied under the contract shall have a warranty period as below:  Pipes & Fittings one year  M&E equipment two years  Any other equipment (please specify) |
| **Clause 38** | Changes in the Quantities Add following Sub-Clauses. |
| **38.4** | Quantities |
|  | The quantities set out in the Bill of Quantities are the estimated quantities of the work, but they are not to be taken as the actual and correct quantities of the Works to be executed by the Contractor in fulfilment of his obligations under the Contract. Quantities are taken in accordance with the Civil Engineering Standard Method of Measurements (CESMM 3) and SLS 573 :1999. |

Revised on 23-09-2019

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| **38.5** | Works to be measured. |
|  | The Engineer shall, except as otherwise stated, ascertain and determine by measurement the value in terms of the Contract of work done in accordance with the Contract. Work shall be measured as net quantities of the work. |
|  | He shall, when he requires any part or parts of the Works to be measured, give notice to the Contractor’s authorized agent or representative, who shall forthwith attend or send a qualified agent to assist the Engineer or the Engineer’s Representative in making such measurement, and shall furnish all particulars required by either of them. Should the Contractor not attend, or neglect or omit to send such agent, then the measurement made by the Engineer or approved by him shall be taken to be the correct measurement of the work. For the purpose of measuring such permanent work, as is to be measured by records and drawings, the Engineer’s Representative shall prepare records and drawings month by month of such work and the Contractor, as and when called upon to do so in writing shall within fourteen days, attend to examine and agree such records and drawings with the Engineer’s Representative and shall sign the same when so agreed. |
|  | If the Contractor does not so attend to examine and agree such records and drawings, they shall be taken to be correct. If after examination of such records and drawings, the Contractor does not agree the same or does not sign the same as agreed, they shall nevertheless, be taken to be correct, unless the Contractor shall, within fourteen days of such examination lodge with the Engineer’s Representative, for decision by the Engineer, notice in writing of the respects in which such records and drawings are claimed by him to be incorrect |
| **38.6** | Method of Measurement |
|  | The Works shall be measured net, except where otherwise specially described or prescribed in the Contract. |
|  | For the purpose of arriving at a valuation for interim payments the Contractor shall submit for the approval of the Engineer within 28 days after receipt of Letter of Acceptance a cash flow statement of all lump sum items. |
| **Clause 39** | Variations |
| **39.2** | Engineer may order variations up to a total cumulative value of not exceeding the amount of money allocated for contingencies in the Summary of Bills.  Add the following Sub-Clauses. |
| **39.7** | If at any time it should appear to the Contractor that the likely final quantity of a BOQ item/items will vary considerably from the quantity stated in the BOQ or that additional work/works or omission of work/works will have to be encountered, he shall, forthwith, inform the Engineer thereof giving, if possible, the reasons for such variation. He shall seek and ascertain the reason/reasons for such variation to the best of his ability either by himself or in collaboration with Engineer’s Representative if instructed by the Engineer to do so.  Revised on 23-09-2019 |
| **Clause 42**  **42.2** | Payment certificates Add Sub Clause  Engineer shall check whether contractor’s monthly statement for payment includes all required supporting documents. If not, engineer shall within 14 days, return the payment certificate to the contractor to resubmit with the required supporting documents. Engineer shall check the validity of guarantees and bonds in accordance with the contract prior to certifying any payment certificate. |
| **Clause 44** | **Compensation Events** |
| **44.1** | The following events shall also be Compensation Events: *(If required , Engineer shall fill)*  1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  | Add following Sub-Clauses |
| **46.1** | **Payments to Contractor**  All payments shall be made in Sri Lanka Rupees |
| **46.2** | **Payment to the Employer** |
|  | All payment to the Employer by the Contractor including payments made by way of deduction or set-off shall be made in Sri Lanka Rupees. |
| **Clause 47** | **Price Adjustments** |
| **47.1** | The Contract Price is /is not subjected to price adjustment, if the Intended Completion Date from the Start Date exceeds 3 months.  Weightings of Inputs are given in Appendix A |
|  | Non adjustable element are given in Appendix A. |
| **Clause 48** | **Retention** |
| **48.1**  **48.2**  **48.3** | The retention from each payment shall be 10% percent of the certified work done.  The limit of Retention Money shall be 5% of the Initial Contract Price.  When Retention amount reaches 5% of Contract Price, upon the issue of the Taking-Over Certificate the full amount of the Retention Money may be released on submission of unconditional, on demand guarantee issued by a commercial bank operating in Sri Lanka approved the Central Bank of Ceylon and acceptable to the Employer. This Guarantee shall be valid until 28 days beyond the Defects notification period.  The form for Retention Money Guarantee is given in Section 12.  **- Deleted the Clause-**  **- Deleted the Clause-** |

Revised on 23-09-2019

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| **Clause 49** | **Liquidated Damages** |
| **49.1** | The liquidated damages for the whole of the Works shall be Rs. \_\_\_\_\_\_\_\_ per Day.  The maximum amount of liquidated damages for the whole of the Works shall be 10percent of the Initial Contract Price |
| **Clause 51** | **Advance Payment** |
| **51.0** | Add to the Clause  Bank guarantee for Advance payment (20% of the Initial Contract Price) shall be issued by a recognized Bank operating in Sri Lanka, approved by the Central Bank of Sri Lanka using the Form for Advance payment Security included in Section 12- Standard Forms – Volume II.  Advance payment Guarantee shall be obtained at the contractor’s cost. |

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| **Clause 52** | **Securities** |
| **(52.1)**  **(52.2)**  **(52.3)** | Deleted the last sentence of the Clause.  Add to the Clause:  The Performance Security shall be 5% percent of the Initial Contract Price and shall be provided in the following forms acceptable to the Employer.   1. Bank guarantee from Bank operating in Sri Lanka, approved by the Central Bank of Sri Lanka. 2. Sri Lanka rupee cash deposit to the National Water Supply and Drainage Board. 3. Certified cheque issued by a Bank operating in Sri Lanka in favour of National Water Supply and Drainage Board. 4. A Bank guarantee issued by a Bank based in another country but the security or guarantee “confirmed” by a Bank operating in Sri Lanka approved by the Central Bank of Sri Lanka.   Add to the Clause:  The performance security shall be valid a date 28 Days beyond the Defects Liability Period as specified under Sub-Clause 55 and Sub-Clause 56.  Add to the Clause:  Performance Security shall be provided at the Contractor’s cost. |
| **Clause 53**  **53.4** | Day WorkThe Contractor shall be paid for such work under the conditions set out in the Day work Schedule included in the Contract and at the rates and prices affixed thereto in his Bid. |

Revised on 15-07-2020

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| **53.5** | In respect of all work executed on a Daywork basis, the Contractor shall, during the continuance of such work, deliver each day to the Engineer’s Representative an exact list in duplicate of the names, occupation and time of all workmen employed on such work and a statement, also in duplicate, showing the description and quantity of all materials and plant used thereon or therefore (other than plant which is included in the percentage addition in accordance with the Schedule herein after referred to). One copy of each list and statement will, if correct, or when agreed, be signed by the Engineer’s Representative and returned to the Contractor. |
| **53.6** | At the end of each month the Contractor shall deliver to the Engineer’s Representative a priced statement of the labour, material and Plant except as aforesaid, used and the Contractor shall not be entitled to any payment unless such lists and statements have been fully and punctually rendered. |
| **Clause 55**  **55.2** | Completion Add following Sub Clause Engineer shall provide in writing to the contractor specifying all the works or defects which is the Engineer’s opinion, requires to be done by the contractor before issuing of such certificates as mentioned in the Sub-Clause 55.1. The contractor shall attend and complete all such works or defects to the satisfaction of the engineer and then the contractor shall be entitled to receive such certificates. |
| **Clause 58** | **Operation and Maintenance Manuals** |
| **(58.1)** | The operation and maintenance manuals and as built drawings shall be provided within 28 days of Intended Completion Date. |
| **(58.2)** | The Engineer shall withhold 5 % of the Initial Contract Price. |
| **Clause 60** | **Payment upon Termination** |
| **(60.1)** | Add the following Sub-Clause  The percentage to apply to the value of the work not completed, representing the Employer's additional cost for completing the Works, is 25% of the value of remaining works.  Add following Clauses (Clause 65-71) given below |

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| **Clause 65** | **Taxation** |
| **65.1** | Add following Sub-Clauses  **Giving of Notice and Payment of Fees.**  The Contractor shall give all notices and pay all fees required to be given or paid by any National or State Statutes, Ordinance, or other Law or any regulation or bye-law of any local or other duly constituted authority in relation to the execution of the Works and by rules and regulations of all public bodies and companies whose property or rights are affected or may be affected, in any way by the Works |

Revised on 23-09-2019

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| **65.2** | **Compliance with statutes, Regulations etc.** |
|  | 1. The Contractor shall conform in all respects with the provisions of any such Statute, Ordinance or Law as aforesaid and the regulations or bye-laws of any local or other duly constituted authority which may be applicable to the Works and with such rules and regulations of public bodies and companies as aforesaid and shall keep the Employer indemnified against all penalties and liability of every kind for breach of any such Statute, Ordinance or Law, regulation or bye-law. |
| **65.3** | **Local Taxation, Income Tax and VAT** |
|  | 1. The prices bid by the Contractor shall show separately Value Added Tax (VAT) with the VAT Registration Number. All other taxes that may be levied according to the Laws and regulations in being as of the date 30 days prior to the submission of bids in Sri Lanka on the constructional plant, materials and supplies (both permanent, temporary and consumable) acquired for the purpose of the Contract and on the services performed under the Contract shall be included in the rates and prices of the contract. Nothing in the Contract shall relieve the Contractor from his responsibility to pay the tax that, may be levied in Sri Lanka on profits made by him in respect of the Contract. |
|  | 1. If the Contractor is not registered for VAT a letter from Department of Inland Revenue should be attached stating that he is not registered for VAT. |
|  | 1. National Water Supply & Drainage Board is a VAT registered institution according to Value Added Tax Act No. 14 of 2002. The VAT registration number of NWSDB is 4090 31820 7000. The Contractors who are VAT liable shall issue VAT invoices specifically stated as ‘TAX INVOICES’ to NWSDB including their VAT registration numbers and showing bill amounts and applicable VAT separately along with the requests for payments. The date of TAX INVOICE shall be within 28 days of work done. |
| **65.4** | **Income Taxes on Staff** |
|  | The Contractor's Staff, personnel and labour will be liable to pay personal income taxes in Sri Lanka in respect of such of their salaries and wages as are chargeable under the laws and regulations for the time being in force, and the Contractor shall perform such duties in regard to such deductions thereof as may be imposed on him by such laws and regulations. |
| **Clause 66** | **Completion of outstanding works and remedying defects** |
| **66.1** | In order to that the works and contractor’s documents and each section, shall be in the condition required by the contract (fair wear & tear excepted) by the expiry date of the relevant Defects Notification Period or as soon as practicable thereafter, the contractor shall;   1. Complete any work which is outstanding on the date stated in a Taking-over Certificate, within such reasonable time as is instructed by the Engineer; and 2. Execute all work required to remedy defects or damage, as may be Notification Period for the works or section (as the case may be). If a defect appears or damage occurs, the contractor shall be notified accurse, the contractor shall be notified accordingly, by (or on behalf of) the Employer. 3. Within the Defect Notification Period as may be notified in-writing by the Engineer or within 14 days after Defects Liability Period as a result of an inspection made by the Engineer or his Representative at the completion of the Defect Notification Period in-writing. |
|  |  |
| **66.2** | **Cost of Execution of Work of Repair etc.** |
|  | All such work shall be carried out by the Contractor at his own expense and risk, if the necessity thereof shall, in the opinion of the Engineer, be due to the use of materials or workmanship not in accordance with the Contract, or to neglect of failure on the part of the Contractor to comply with any obligation, expressed or implied, on the Contractor’s part under the Contract. If, in the opinion of the Engineer, such necessity shall be due to any other cause, the value of such work shall be ascertained and paid for as if it was an additional work. |

|  |  |
| --- | --- |
| Clause 67 | **Joint Ventures**  Joint Venture shall not be accepted |
|  |  |
| **68** | Claims |
|  | The Contractor shall send to the Engineer’s Representative once in every month an account giving particulars, as full and as detailed as possible of all claims for any additional payment to which the Contractor may consider himself entitled and of all extra or additional work ordered by the Engineer which he has executed during the proceeding month. |
|  | No final or interim claim for payment for any such work or expense will be considered which has not been included in such particulars. Provided always that the Engineer shall be entitled to authorise payment to be made for any such work or expense, notwithstanding the Contractor’s failure to comply with this condition, if the Contractor has, at the earliest practicable opportunity, notified the Engineer in writing that he intends to make a claim for such work**.** |
| **69**  **69.1** | Add following Sub ClausesCessation of Employer’s Liability |
|  | The Employer shall not be liable to the Contractor for any matter or thing arising out of or in connection with the Contract or the execution of the Works, unless the Contractor shall have made a claim in writing in respect thereof before the issuing of the Final Certificate under this Clause. |
| **69.2** | Unfulfilled Obligations |
|  | Notwithstanding the issue of the Final Certificate, the Contractor and subject to Sub-Clause 69.1, the Employer shall remain liable for the fulfillment of any obligation incurred under the provisions of the contract prior to the issue of the Final Certificate which remains unperformed at the time such Certificate is issued, and for the purpose of determining the nature and extent of any such obligation, the Contract shall be deemed to remain in force between the parties hereto. Revised on 23-09-2019 |
| **69.3** | **Urgent Repairs** If by reason of any accident, or failure, or other event occurring to in or in connection with the works, or any part thereof, either during the execution of the works, or during the period of maintenance, any remedial or other work or repairs, shall, in the opinion of the Engineer or the Engineer’s Representative, be urgently necessary for the safety of the works and the Contractor is unable or unwilling at once to do such work or repair, the Employer may employ and pay other persons to carry out such work or repair, as the Engineer or the Engineer’s Representative may consider necessary. If the work or repair so done by the Employer is work which, in the opinion of the Engineer, the Contractor was liable to do at his own expense under the Contractor, all expenses properly incurred by the Employer in so doing shall be recoverable form the Contractor by the Employer or may be deducted by the Employer from any monies due or which may become due to the Contractor. Provided always that the Engineer or the Engineer’s Representative, as the case may be, shall, as soon after the occurrence of any such emergency as may be reasonably practicable to notify the Contractor hereof in writing. |
| **70** | Custom Clearance & Import of Machinery |
|  | The Employer will assist the Contractor, where required, in obtaining clearance through the customs of Constructional Plant, equipment , materials and other things required for the Works. However the clearance through the custom of constructional plant, equipment, materials and other things are the sole responsibility of the contractor. |
|  | The Contractor shall be fully responsible for timely opening of Letters of Credit with regard to all the imports of machinery, plant and equipment , material and any other thing which shall be required for the proper completion of construction of works |
| **Clause 71** | **Miscellaneous** |
| **71.1** | **Employees Trust Funds** |
|  | The Contractor shall make contribution to the Employee’s Provident Fund (EPF), Employee’s Trust Funds (ETF), Gratuity Etc as required by the governing Law of the Democratic Socialist Republic of Sri Lanka. |
| **71.2** | **Bribes** |
|  | If the Contractor or any of his sub contractors, agents or servants offers to give or agrees to offer or give to any person, any bribe, gift, gratuity or commission as an inducement or regard for doing or forbearing to do any action in relation to the contract or any other contract with the Employer or for showing or forbearing to show favour or disfavour to any person in relation to the contract or any other contract with the Employer, then the Employer may enter upon the site and Works and terminate the employment of the Contractor and the provision of Clause 59 hereof shall apply as if such entry and termination had been made pursuant to that Clause. |
| **Clause 72** | **Warranty (for DI/PE pipes, fittings, rubber rings & accessories and all mechanical and Electrical Equipment)** |
|  | The Supplier warrants that the all Goods mentioned above supplied under the Contract are new, unused, of the most recent or current models and incorporate all recent improvements in design and materials unless otherwise provided in the Contract. The Supplier further warrants that the Goods supplied under this Contract shall have no defect arising from design, materials or workmanship (except in so far as the design or material is required by the Purchaser's Specifications) or from any act or omission of the Supplier, that may develop under normal use of the supplied Goods in the conditions prevailing in the country of final destination.  This warranty shall remain valid for 36 months after the Goods, or any portion thereof as the case may be, have been delivered (and commissioned) to the final destination indicated in the Contract unless specified otherwise in the Contract Data and shall submit the completed form given in Appendix-11 as well.  The Purchaser shall promptly notify the Supplier in writing of any claims arising under this warranty stating the nature of any such defects together with all available evidence thereof, promptly following the discovery thereof. The Purchaser shall afford all reasonable opportunity for the Manufacturer to inspect such defects.  Upon receipt of such notice, the Supplier shall expeditiously repair or replace the defective Goods or parts thereof, without costs to the Purchaser other than, where applicable, the cost of inland delivery of the repaired or replaced Goods or parts from the port of entry to the final destination.  If the Supplier, having been notified, fails to remedy the defect(s) within a reasonable period, the Purchaser may proceed to take such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract. |
| **Clause 73**  **73.1** | **Inspections and Tests**  **Testing and Inspection Agencies**  (a) The Employer or his representative shall have the right to inspect and/or to test the Goods for their conformity to the Contract. The Contract Data of Contract and/or the Technical Specifications shall specify what inspections and tests the Purchaser requires not specified any where and where they are to be conducted. The Purchaser shall notify the Supplier in writing of the identity of any representatives retained for these purposes.  (b) The inspections and tests may be conducted on the premises of the Supplier or his subcontractor(s), at point of delivery and/or at the Good's final destination. Where conducted on the premises of the Supplier or its subcontractor(s), all reasonable facilities and assistance including access to drawings, documents and production data shall be furnished to the inspectors at no charge to the Purchaser.  Revised on 27-02-2020  (c) Should any inspected or tested Goods fail to conform to the specifications, the Purchaser may reject them and the Supplier shall either replace the rejected Goods or make all alterations necessary to meet specification requirements free of charge to the Purchaser.  (d) The Purchaser's right to inspect, test and, where necessary, reject the Goods after the Goods' arrival in the Purchaser's stores shall in no way be limited or waived by reason of the Goods having previously been inspected, tested and passed by the Purchaser or its representative prior to the delivery of Goods or Goods' shipment from the country of origin, in case of importing.  (e) The Employer requires the goods to be supplied under this contract shall conform to the requirements given in Section 6. The Supplier shall obtain the Certificates of Inspection for the specific requirement of this contract document carried out by one of the following inspection agencies acceptable to the Purchaser.  1. M/s Lloyds Register,  Lloyds Register Industrial Division,  Register House, 29 Wallesley Road,  Croydon DRO-2AJ, U.K.  2. M/s Crown Agents,  Quality assurance & Inspection Service  Townend House, Walsall WSI INT  U.K.  3. M/s Societe Generale de Surveillance S.A.,  1, Place des Alpes,  Case Postale 898, CH-1211 Geneva 1,  Switzerland.  4. Bureau of Veritas,  Cedex 44,  92077 Paris Le Defense,  France.  The selected inspection authority’s name and cost to same has to be given in summary of price schedule. On the acceptance of the bid, the Purchaser shall inform directly to the selected inspection authority with a copy to Supplier, the specific requirements for testing including deviations accepted by the purchaser, if any, to be tested. However, the payment to the Inspection Authority has to be made directly by the Supplier on production of test reports.  (f) Nothing in Clause 73 shall in any way release the Supplier from any warranty or other obligations under this Contract.  (g) The Supplier shall obtain the approval of the Engineer to ship the goods to be imported for the Works or to deliver such materials and plant to the site. Applications for such consent to ship shall be accompanied by manufacturer’s test certificates and certificates of inspection prescribed in the Contract or agreed with the Engineer. Application shall be made so as to give the Engineer a reasonable time to deal with such applications.  Revised on 23-09-2019   * 1. Nominated Inspection Agency shall carryout inspection and testing during Manufacturing process, after Manufacturing and at any time prior to shipping and shall confirm that goods are in conformity with specifications included in the contract document. He shall submit his inspection report to the Employer including all items given in the Terms of Reference (TOR) for the Nominated Inspection Agency which is included in the contract document as Appendix – 12. |

|  |  |
| --- | --- |
| **73.2** | **Pre-shipment Inspection by National Water Supply & Drainage Board (NWSDB) Engineers** |
|  | The Contractor shall arrange for 2 NWSDB Engineers for pre-shipment inspection visit to country of manufacture before dispatching the DI/PE Pipes, fittings, Valves, Specials and Accessories etc. and Treatment Plant equipment.  Each shipment should be inspected by NWSDB Engineers before dispatching at Manufacturer’s factory.  The Contractor shall in his bid provide detailed proposals for pre-shipment inspection visit he offers to provide under this Clause. The following guidelines shall be used by the Contractor to formulate his proposals. |
|  | 1. The duration of inspection for Pre-shipment Inspection by NWSDB Engineers shall be worked out based on following guidelines. 2. If DI pipes and fittings are manufactured in same premises, duration of the inspection shall not be less than Eight (8) Days. 3. If DI pipes and fittings are manufactured in different premises, duration of the inspection shall not be less than Ten (10) Days. 4. If PE pipes and fittings, duration of the inspection shall not be less than Ten (10) Days 5. DI valves Eight (8) Days. 6. For Pumps and other Equipments as follows, but maximum duration shall be Ten (10) Days for one inspection.  |  |  | | --- | --- | | **Scope** | **Duration for Pre-shipment Inspection** | | For number of pumps not exceeding 8  Additional 02 pumps | 8 Days  1 Days | | 01 Generator  Additional 01 Generator | 1 Day + Travelling to factory  1 Day | | 01 Chlorinator  Additional 01 Chlorinator | 1 Day + Travelling to factory  1 Day | | 01 Air blower  Additional 01 Air blower | 1 Day + Travelling to factory  1 Day | | De-oderization system  01 unit  Additional 01 unit | 1 Day + Travelling to factory  1 Day | | Chemical mixers | 1 Day + Travelling to factory | | Electrical Panels | 1 Day + Travelling to factory | | Chemical feeding pumps | 1 Day + Travelling to factory | | For SCADA system | 8 Days | | For water meters | 8 Days |   Revised on 15-07-2020  (b) Most of the time shall be centered round the manufacturer’s goods which the Contractor proposes to use in the work.  (c) The inspection at the specific manufacturer shall include;   * + A general introduction to the manufacturer’s country, area, town & source of materials, etc.   + introduction to design standards and procedures adopted.   + introduction to relevant production procedures and quality control standards.   + manufacturing process, and Quality Assurance procedure.   + testing procedures, mill certificates, product conformity certificate, Quality Management System Certificate and any other relevant certificates etc. regarding the products.   + packing & dispatching procedure   + Site visits to inspect installed or application of similar products/materials. |

|  |  |
| --- | --- |
|  | (d) The NWSDB Engineers shall be guided by experienced engineers and quality controllers who are also competent in English language.  (e) Each NWSDB Engineer shall be paid a per diem to include combined allowances, the allowance the amount specified in the Appendix 25 prior to departure.  (f) All visas, Insurance (Life, Health and Travel), air fares, permits, taxes, transfer fees, travelling within the manufactures country and all other facilities required to carry out pre-shipment inspections at the manufacturer’s factory/premise shall be arranged by the Contractor and shall be included in the rates and prices of the contract. Contractor is not liable for providing food and accommodation. Contractor shall assist NWSDB Engineers for booking accommodation if requested.  (g) The NWSDB Engineers shall be provided Terms of Reference (TOR) for the inspection jointly agreed by the contractor and the engineer and with printed catalogues, manuals, illustrative videos etc., relevant to the manufacturing process and also obtain extra information requested by them, and shall arrange to dispatch these to NWSDB Engineers, by the Contractor at his own cost.  (h) Contractor shall provide a detailed programme(itinerary) showing details of inspection,  travelling, and all other arrangement etc. required for the pre-shipment Inspection and  submit to the Inspection team prior to departure. Contractor shall discuss the inspection  Programe in detail with the inspection team and shall be agreed with the Pre-shipment  Inspection team prior to departure.  (i) Contractor shall assist for obtaining visa for the inspection from the relevant Embassy/ High commission for NWSDB Engineers. |
|  | (j) NWSDB Engineers shall inspect and test DI /PE pipes, fittings, specials, accessories and valves etc. as per the attached check list for pre shipment as given in Appendix13 &13A respectively. Manufacturers should perform any other tests which may be required by the NWSDB Engineers.    (k) Nominated inspection agency shall be present during pre-shipment inspection by the NWSDB Engineers and shall assist the NWSDB Engineers for the testing and inspection  (l) Any inspections carried out by Inspection Agencies or NWSDB shall not relieve the Contractor of his obligations under the Contract.  (m) Contractor/Manufacturer shall not ship/deliver by plane materials from the manufacturers Factory or Stores without approval of the Engineer. |

Revised on 20-02-2018

**DISPUTE ADJUDICATION AGREEMENT**

[for each member of a three - person DAB]

Name and details of Contract

Name and address of Employer

Name and address of Contractor

Name and address of Member

**Whereas** the Employer and the Contractor have entered into the Contract and desire jointly to appoint the Member to act as one of the three persons who are jointly called the Dispute Adjudication Board (DAB) *[and desire the Member to act as chairman of the* DAB*]*

**The Employer, Contractor and Member jointly agree** as follows:

1. The conditions of this Dispute Adjudication Agreement comprise the “General Conditions of Dispute Adjudication Agreement” which is appended to the General Conditions of the “Standard Bidding Document, Procurement of Works, Major Contracts - Second Edition, January 2007” and the following provisions. In these provisions, which include amendments and additions to the General Conditions of Dispute Adjudication Agreement, words and expressions shall have the same meanings as are assigned to them in the General Conditions of Dispute Adjudication Agreement.
2. *[Details of amendments to the General Conditions of Dispute Adjudication Agreement, if any*

For example:

*In the procedural rules annexed to the General Conditions of Dispute Adjudication Agreement*, *Rule\_\_\_\_\_ is deleted and replaced by*: “…………..”*]*

1. In accordance with Clause 6 of the General Conditions of Dispute Adjudication Agreement the Member shall be paid as follows:

A retainer fee of \_\_\_\_\_\_\_\_\_\_\_\_\_\_ per calendar month,

plus a daily fee of \_\_\_\_\_\_\_\_\_\_\_\_\_\_ per day.

1. In consideration of these fees and other payments to be made by the Employer and the Contractor in accordance with Clause 6 of the General Conditions of Dispute Adjudication Agreement, the Member undertakes to serve, as described in this Dispute Adjudication Agreement, as one of the three persons who are jointly to act as the DAB.
2. The Employer and the Contractor jointly and severally undertake to pay the Member, in consideration of the carrying out of these services, in accordance with Clause 6 of the General Conditions of Dispute Adjudication Agreement.
3. This Dispute Adjudication Agreement shall be governed by the law of ­­­­­­­­­­­­­­­­­­­­­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

SIGNED by:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ SIGNED by:\_\_\_\_\_\_\_\_\_\_\_\_\_\_ SIGNED by:\_\_\_\_\_\_\_\_\_\_\_\_

for and on behalf of the employer for and on behalf of the Contractor the Member

in the presence of in the presence of in the presence of

Witness:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Witness: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Witness : \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Name : \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Address:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Address: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Address : \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Appendix A**

**for Contract Data**

* 1. **Input Percentages for Major Items**

With reference to Sub–Clause 47 (b) of the conditions of Contract, the “input percentages’ for major items are

|  |  |
| --- | --- |
| **Input Name** | **Input Percentage** |
|  |  |
| **Total** |  |

* 1. **Non Adjustable Elements**

With reference to Sub-Clause 47 (c) of the “Conditions of Contract” the BOQ item Nos that shall be considered as ‘Non- Adjustable elements are

Items in General Bill, Provisional Sums, DI/PVC/PE/GI/Steel/GRP Pipes, Fittings, Specials and Valves and any other items which does not belong to the categories of Inputs listed above).

………………………………………………………………………………………………

………………………………………………………………………………………………

(State if there are any others) ………………………………………………………………………………………………

………………………………………………………………………………………………

Revised on 23-09-2019

**6. SPECIFICATIONS**

*Add the all Specifications given in the following list under “Works” to the document* ***from NWSDB web (under the “Restrict inks”) when preparing the Bidding Document.***

|  |  |  |
| --- | --- | --- |
|  | **Works** |  |
|  | **ICTAD General Specifications:** |  |
| 1 | Civil Engineering Construction | **6a** |
|  | **The sections of each specification come under ICTAD General Specifications given above shall be superseded from the following Particular Specifications** |  |
| 2 | Trench Excavation, Backfilling and Road Reinstatement for Pipe Laying | **6b** |
| 3 | Service Connection | **6c** |
| 4 | Trenchless Pipe Installation | **6d** |
| 5 | Instruction For Prevention Of Mosquito Breeding | **6e** |
| 6 | Surveying Works | **6f** |
| 7 | Timber Works | **6g** |
| 8 | Pipeline Marker Tape | **6bc** |
| 9 | Mastic Materials & Installation | **6bj** |
| 10 | Pressure Testing for DI & PVC Pipes | **6bk** |

*Add the relevant list of Other Particular Specifications to the document*

***from below list according to the requirement of the work.***

***And***

*Add the all Specifications selected from this list to the document* ***from NWSDB web (under the “Restrict inks”) when preparing the Bidding Document.***

|  |  |  |
| --- | --- | --- |
| **Other Particular Specifications List** | | |
|  | **The sections of each specification come under ICTAD General Specifications given above shall be superseded from the following Particular Specifications** |  |
| **No.** | **Name of Specification** | **Page No.** |
|  | **Pipes, Valves & Accessories** |  |
| 11 | DI Pipes and Fittings | **6h** |
| 12 | DI pipes, fittings, specials and accessories for Sewerage Applications | **6bb** |
| 13 | PVC Pipes and Fittings | **6i** |
| 14 | PE Pipes and Fittings for Water Supply | **6j** |
| 15 | PE pipes, fittings, specials and accessories for Sewerage Applications | **6bd** |
| 16 | Steel Pipes and Fittings | **6k** |
| 17 | Galvanized Pipes & Fittings | **6l** |
| 18 | Valve, Hydrants, Surface Boxes & Manhole Covers | **6m** |
| 19 | Mechanical Couplings, Repair Clamps and Flange Adaptors | **6n** |
| 20 | Clamp Saddles | **6o** |
| 21 | Ball Valves | **6p** |
| 22 | Stop Valves | **6q** |
| 23 | Repair Clamps | **6r** |
| 24 | Waltman Type Bulk Water Meters | **6t** |
| **No.** | **Name of Specification** | **Page No.** |
| 25 | Flow Meters and Waste Meters | **6u** |
| 26 | Penstocks & Headstocks | **6w** |
| 27 | Supply and Installation of power surge protection devices | **6ai** |
| 28 | PVC/ ABS/ Stainless Steel/ Bronze/ DI/ CI Vlaves, Shear gates, Slide gates and Manhole Covers & Frames of Sewerage Application | **6x** |
| 29 | PVC Pipes for Sewerage | **6bi** |
| 30 | PP Clamp Saddles | **6bf** |
| 31 | Surge vessels & Air compressor | **6aj** |
| 32 | Electromagnetic Type Wastewater Flow Meters | **6bbm** |
| 33 | Weir type Wastewater Flow Meters | **6bn** |
| 34 | Portable type Wastewater Flow Meters | **6bo** |
|  | **Water Pumps** |  |
| 35 | Motor Driven Self lubricated vertical Turbine pumping sets and Accessories | **6y** |
| 36 | Horizontal shaft driven double suction pumping sets and accessories | **6aa** |
| 37 | End Section vertical delivery Back pull-out centrifugal Pumping sets and Accessories | **6ab** |
| 38 | Vertical Shaft driven double suction centrifugal pumping sets and Accessories | **6ac** |
| 39 | Vertically/ Horizontally mounted in line booster pumping sets & Accessories | **6ad** |
| 40 | Bore hole type submersible pumping sets and Accessories | **6z** |
|  | **Sewer Pumps** |  |
| 41 | Supply & Installation of Auto Coupling type wet well electrically driven submersible pumps and accessories (Wet well below 30 kw) | **6ae** |
| 42 | Wet well Above 30 kw | **6af** |
| 43 | Dry well below 30 kw | **6ag** |
| 44 | Dry well Above 30 kw | **6ah** |
|  | **Air Condition & Lighting Protection** |  |
| 45 | Air Conditioner - Window type | **6ap** |
| 46 | Air Conditioner - Split & Cassette Type | **6aq** |
| 47 | Lighting protection system | **6ar** |
|  | **Office Equipments** |  |
| 55 | Computer | **6ax** |
| 56 | Photo Copier | **6ay** |
|  | **Miscellaneous** |  |
| 57 | Hiring of Vehicle (English) | **6az** |
| 58 | Hiring of Vehicle (Sinhala) | **6bm** |
| 59 | Janitorial works | **6ba** |
| 60 | Water Bowsers | **6be** |
| 61 | Pontoon Intake | **6bg** |
|  | **Water Meters and Gun Metal Ferule** |  |
| 62 | Water Meters & Spare Parts | **6s** |
| 63 | Gun Metal Ferrules | **6v** |
|  | **Chlorinators and related equipments** |  |
| 64 | Gas Chlorinators and Accessories | **6ak** |
| 65 | Lime and Alum/ Poly Aluminium chloride dosing packages | **6al** |
| 66 | Hosting equipment and accessories | **6am** |
| 67 | Water sampling collection system | **6an** |
| 68 | Laboratory equipment | **6ao** |
| 69 | Granular Activated Carbon | **6bh** |

**7. SCHEDULE OF PARTICULARS**

**SCHEDULE OF PARTICULARS**

(Information to be provided by the Bidder for the supply items only after reference to the Specifications, Bills of Quantities and Appendices).

Note : Where pamphlets, catalogues and drawings are accompany with the bid, their reference should be quoted in the Schedule of Particulars.

Copies of the Technical Literature with regard to pipes, specials and fittings shall be submitted to establish conformity with BS, BS EN or ISO standards along with ISO 9001:2015 Quality Management System Certification, together with the offer.

1. PVC pipes and Fittings
2. Ductile Iron (DI)

2.1 Pipes & Fittings

2.2 Mechanical Couplings & Flange Adaptors

2.3 Manhole Covers & Surface boxes

1. DI Valves and Accessories

3.1 Gate/Sluice Valves

3.2 Butterfly Valves

3.3 Air Valve

3.4 Check Valves

3.5 Pressure Reducing Valves

3.6 Pressure Sustaining/Relief Valves

3.7 Flow Control Valves

3.8 Altitude Valves

3.9 Ball Float Valves

3.10 Flap Valves

3.11 Fire Hydrants

3.12 Fire Hydrants - Dry Barrel Type

1. Polyethylene (PE) pipes and fittings
2. Galvanized Iron pipes and fittings

**SCHEDULE OF PARTICULARS**

Revised on 15-07-2020

**1. PVC PIPES AND FITTINGS**

1.1 Address of Manufacturer's Factory : Pipes –

Fittings -

1.2 Standards to which pipes and fittings conform: Pipes –

Fittings -

Is Certificate of relevant Standards Institute Provided?

* 1. Whether fittings (except bends) provided are:

a) Moulded ……………..

b) Fabricated ………………

* 1. Whether bends provided are:

a) Single cast ……………..

b) Fabricated ………………

1.5 Year of manufacture of pipes &fittings :

1.6 Quantity of solvent cement required per joint :

|  |  |
| --- | --- |
| **Pipe Dia** | Quantity of solvent cement  required per joint |
| 15 mm  …………  …………  63 mm  ………… | ………………….  ………………….  ………………….  ………………….  …………………. |

1.7 For PVC pipes and fittings of dia. 90 mm or greater :

* + 1. Joint Rings for mechanical joints :

Material :

Class :

Standard to which it conforms :

Revised on 04-10-2017

* + 1. Make of Lubricant for mechanical joints for safety in water supply :

To confirm whether it complies :

Quantity of lubricant required per joint

|  |  |
| --- | --- |
| **Pipe Dia** | Quantity of lubricant required |
| 225 mm.  160 mm  110 mm  90 mm | ………………….  ………………….  ………………….  ……….…………. |

1.7.3 Vacuum to which the mechanical joint will hold (As per the test in

APP. G of BS 4346 part 2):

1.7.4 Indicate whether the manufacturing process of the items offered comply with ISO 9001:2015 Quality Management System Standard.

1.8 **FLANGES**

1.8.1 Address of Manufacturer :

1.8.2 Standard to which flanges conform :

1.8.3 (a) Standard to which Gaskets conform :

(b) Specify whether gaskets are inside bolt circle type or

full face type :

1.8.4 Details of flanges :

|  |  |
| --- | --- |
| **Pipe Dia** | Bolts & Nuts for one set  Dia. Length No. off |
| 225 mm.  160 mm  110 mm  90 mm  63 mm | ………………….  ………………….  ………………….  ……….………….  ………………….. |

1.8.5 Material : Gaskets :

Nuts &Bolts :

Revised on 25-10-2018

1.9 **SADDLE STRAPS**

1.9.1 Country of Manufacture :

1.9.2 Manufacturer and Address :

1.9.3 Make :

Standard to which saddle straps conform : ……………………………..

Is certificate of relevant Standard Institutions Provided : ……………….

1.9.4 Material - Straps :

Joint Rings :

Bolts &Nuts :

1.9.5 Indicate whether the manufacturing process of the items offered comply with

ISO 9001:2015 Quality Management System Standard ………….

Is certificate of relevant Standard Institutions Provided: ……………….

**2.** **DUCTILE IRON (DI)**

* 1. **PIPES AND FITTINGS**

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

(2) Fittings…………………………………………………

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

…………………………………………………….

(2) Fittings …………………………………………

……………………………………………………

2.1.3 2.2.3.1 Standards to which pipes and fittings conform:

(1) Pipes ………………………………

(2) Fittings ……………………………

* + - 1. No of Shipments proposed by the Contractor:……………………..

2.1.4 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 …………………

Revised on 25-10-2018

* + 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 ……………….

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

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

2.1.9 Gaskets, Joint rings and Lubricant :

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

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

to the factory/factories : ………………

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

factory/factories : …………………..

2.1.13 Make of Gaskets, Joint rings and Lubricant :

Make

Gaskets ………………

Joint rings ………………

Lubricant ………………

2.1.14 Material of Gaskets, Joint rings and Lubricant :

Gaskets ………………

Joint rings ………………

Lubricant ………………

2.1.15 Hardness range of Gaskets and Joint Rings

Hardness Range (1RHD)

Gaskets ……………………

Joint Rings ……………………

2.1.16 Standard to which Flanges conform : ………………………………

Revised on 25-10-2018

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

2.1.18 Type of external coating and grade : …………………………………………………

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

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

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

Standard …………………………………..

Material ……………………………………

2.1.22 Standard to which polyethylene sleeving conform and the colour

Standard ………………………….

Colour …………………………...

2.1.23 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 ……………. …………. …………. …………………….

………. ……………. …………. …………. …………………….

……… ……………. ………… …………. …………………….

2.1.24 Port of shipment : …………………………………………………………………….

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

2.1.26 Time of delivery: …………………………………………………….

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

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

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

Revised on 04-10-2017

**2.2 MECHANICAL COUPLINGS AND FLANGE ADAPTERS**

2.2.1 Country of manufacture :………………………….

2.2.2 Manufacturers’ Name and Address:……………………………………………………

2.2.3 2.2.3.1 Make, Material, Hardness Range and Standard :

Make Material Hardness Standard Date of

Range Manufacture

Sleeve: …………. ……….. N/A .………… ………………

Flange : …………. ……….. N/A ………… ………………

Gaskets: …………. ………. …………. ………… ………………

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

* + - 1. No of Shipments proposed by the Contractor: ……………………………

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

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

2.2.6 Time of Delivery : ……………………………………………………………………

2.2.7 Port of Shipment: …………………………………………………………………….

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

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

2.2.10 Deviations from Specifications (if any) : ………………………………………………

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

**2.3 SURFACE BOXES AND MANHOLE COVERS**

* + 1. Country of Manufacture :…………………………….

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

2.3.3 Material :………………………………………

Revised on 25-10-2018

2.3.4 Class, Make, Standard and Date of Manufacture

Class Make Standard Date of Manufacture

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

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

2.3.5 Coating :…………………..

2.3.6 Lifting arrangements:

Manhole Covers :………………

Surface Boxes :……………………

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

2.3.8 Port of Shipment:……………………………

2.3.9 Time of Delivery of Material at port of shipment:………………………….

2.3.10 Deviations from Specification (if any):…………………………..

**3.** **DI/CI VALVES AND ACCESSORIES**

**3.1** **GATE/SLUICE VALVES**

3.1.1 Country of Manufacture : …………………………………………..

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

3.1.3 Date of Manufacture: ………………………………………………..

3.1.4 3.1.4.1 Standards to which valves conform …………………………………

3.1.4.2 No of Shipments proposed by the Contractor : ………………………

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

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

3.1.7 Material

Body : ………………………………………………………

Spindle : …………………………………………………….

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

Revised on 25-10-2018

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

3.1.9 End flanges - Pressure Rating: …………………………

Dimensions (mm): ………………………

Bolt Circle dia (mm): …………………………

3.1.10 Whether gearing arrangement Provided : ……………………….

Gear Ratio

Unbalanced head: ………………..bars

Seat test pressure: ………………. bars

Body test pressure: ……………… bars

3.1.11 Internal protection : ………………………………………………………..

3.1.12 External protective finish: ………………………………………………………..

3.1.13 Weight of the valve …………….. kgs ………………………………

3.1.14 Packing and protection of valves in transit: ……………………………

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

3.1.16 Port of shipment: ………………………………………..

3.1.17 Time of delivery of valves at the port of shipment: ……………………………………

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

3.1.19 Deviations from Specifications (if any):

**3.2** **BUTTERFLY VALVES**

3.2.1 Country of Manufacture ……………………..

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

.…………………………………………………...

3.2.3 Date of Manufacture:…………………….

Revised on 04-10-2017

3.2.4 3.2.4.1 Standard to which valves conform: …………………………………….

3.2.4.2 No of Shipments proposed by the Contractor : ……………………….

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

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

3.2.7 Material

Valve body:

Valve disc:

Valve seat:

Shaft:

Shaft seals:

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

3.2.8.1 Standards to which gaskets conforms :………………………………

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

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

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

3.2.8.5 End Flanges

Pressure rating:…………

Dimensions (mm):…………..

Bolt circle dia (mm):………………….

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

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

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

Revised on 25-10-2018

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

Gear ratio of gearing:……………

Unbalanced head: ……………. Bars

Seat test pressure : …………………… Bars

Body test pressure ……………. Bars

3.2.8.10 Internal protective finish:

Material : ……………….

Thickness : ……………..

3.2.8.11 External protective finish:

Material : ………………….

Thickness : …………………

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

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

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

……………………………………………………………………………………

3.2.8.15 Port of shipment: .………………………

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

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

…………………………………………………………………………………………

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

**3.3** **AIR VALVES**

3.3.1 Country of Manufacture : …………………………

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

………………………………………………………………………………………….

3.3.3 Date of Manufacture: ………………….

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

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

Revised on 25-10-2018

3.3.6 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 |

3.3.7 For large orifice and Double orifice air valves; whether isolating valve has mitre

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

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

3.3.9 Flanges (if applicable)

Pressure rating : …………..

Standard :………………….

Dimensions (mm) :………..

Bolt circle dia (mm):………

3.3.10 Seat test pressure : …………………. bars

3.3.11 Body test pressure : ………………… bars

3.3.12 Internal protective finish: ………….

3.3.13 External protective finish:………….

3.3.14 Weight of the valve :…………………… kg

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

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

………………………………………………………………………………………..

3.3.17 Port of shipment: …………………………………….

3.3.18 Time of delivery of valves at port of shipment:…………………………

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

…………………………………………………………………………………………

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

Revised on 04-10-2017

**3.4 CHECK VALVES**

3.4.1 Country of Manufacture : ………………………….

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

…………………………………………………………………………………….

3.4.3 Date of Manufacture:………………………..

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

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

factories:………

3.4.6 3.4.6.1 Is product conformity certificate from relevant Standard Institution provided

to the Factory / factories :……………………

3.4.6.2 No of Shipments proposed by the Contractor: ………………………………

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

3.4.8 Is this non Slam :………….

3.4.9 Is this Spring loaded : …………..

3.4.10 Material

Valve body: ……………….

Hinge pin and bushes:…………..

Disc:……………

Disc encapsulating material:…………..

3.4.11 End Flanges

Pressure rating:………….

Dimensions (mm):………

Bolt circle dia (mm):……..

Standard :…………………..

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

3.4.13 Seat test pressure : …………………… bars

3.4.14 Body test pressure ……………. bars

3.4.15 Internal protective finish:………………

3.4.16 External protective finish:………………..

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

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

Revised on 25-10-2018

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

……………………………………………………..

3.4.20 Port of shipment:…………………..

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

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

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

**3.5 PRESSURE REDUCING VALVES**

3.5.1 Country of Manufacture : ……………………………….

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

…………………………………………………………………………………….

3.5.3 Date of Manufacture:…………….

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

factories: ………...………………………………………….

3.5.5 3.5.5.1 Is product conformity certificate from relevant Standard Institution provided to the factory/ factories:……………………

3.5.5.2 No of Shipments proposed by the Contractor: ………………………………

3.5.6 Material

Main valve:……………..

Body:……………………

Internal valve:…………….

Indicator rod:……………..

Relay Valve

Body:…………………..

Spindle:…………………..

Diaphragm:………………….

Spring:……………………..

3.5.7 Length between flanges (mm):…………

Revised on 25-10-2018

3.5.8 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:…………

3.5.15 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. **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. 3.6.5.1 Is product conformity certificate from relevant Standard Institution provided to the factory/ factories:……………………

3.6.5.2 No of Shipments proposed by the Contractor : …………………………….

Revised on 25-10-2018

* + 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. 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):………………..

Revised on 04-10-2017

* 1. **FLOW CONTROL 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: …………………………

* + 1. 3.7.5.1 Is Product Conformity Certificate from relevant Standard Institution provided to the factory/ factories:……………………

3.7.5.2 No or Shipments proposed by the Contractor : …………………………….

* + 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 flow :…………………….
    2. Constant flow:………………….
    3. Internal protective finish:…………….
    4. External protective finish:………………….

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* + 1. Weight of the valve: …………………. kg
    2. Packing and Protection of valves in transit:………………………
    3. Reference of the catalogues, technical literature and drawings provided with the Bid:
    4. Port of shipment:…………………….
    5. Time of delivery of valves at port of shipment:…………………..
    6. Name and Address of supplier’s agent (if any) in Sri Lanka:………………….
    7. Deviations from specifications (if any):……………………………………………..

**3.8 ALTITUDE VALVES**

3.8.1 Country of Manufacture :…………………

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

…………………………………………………………………………………………

3.8.3 Date of Manufacture:………………………..

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

factories ……………………

3.8.5 3.8.5.1 Is Product Conformity Certificate from relevant Standard Institution provided

to the factory/ factories……………………

3.8.5.2 No of Shipments proposed by the Contractor : ………………………………

* + 1. Material

Main valve:…………..

Body:……………………

Internal valve:…………….

Indicator rod:………………

Relay Valve

Body:……………..

Spindle:……………

Diaphragm:………….

Spring:………………..

* + 1. Length between flanges (mm):……………

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* + 1. 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):…………………………………

**3.9 BALL FLOAT VALVES**

3.9.1 Country of Manufacture :…………………………….

3.9.2 Manufacturer’s name and address : ………………………………………………

3.9.3 Date of Manufacture:……………………..

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

factories ……………………….

3.9.5 3.9.5.1 Is product conformity certificate from relevant Standard Institution provided

to the factory/ factories……………………

3.9.5.2 No of Shipments proposed by the Contractor : ………………………………

* + 1. Body test pressure:……………….

Revised on 25-10-2018

* + 1. End Flanges

Pressure rating:…………………..

Dimensions (mm):………………..

Bolt circle dia (mm):……………..

Standard:…………………………………

* + 1. Material

Valve Body:……………………

Float:………………………….

Lever and links:…………………..

* + 1. Body test pressure: ……………… bars
    2. Close assembly test pressure ………………… bars
    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. **FLAP VALVES**
     1. Country of Manufacture :……………………….
     2. Manufacturer’s name and Address:……………………………………………………
     3. Date of Manufacture:…………………………

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

Revised on 25-10-2018

3.10.5 3.10.5.1 Is product conformity certificate from relevant Standard Institution provided to the factory/ factories……………………

3.10.5.2 No of Shipments proposed by the Contractor : …………………………

* + 1. Material

Frame and door:…………………

Sealing:………………..

Hinge pin:…………….

Links:………………….

* + 1. Flanges

Pressure rating:………

Dimensions (mm):………….

Bolt circle dia (mm):…………..

Standard :……………………

* + 1. Weight of the valve: …………………. kg
    2. Packing and Protection of valves in transit:………………
    3. 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. **FIRE HYDRANTS**
     1. Is this Pillar type or Underground type:
     2. Screw down type
     3. Country of Origin:…………………………
     4. Manufacturer’s name and Address:………………………………

Revised on 04-10-2017

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

* + 1. 3.11.6.1 Is product conformity certificate from relevant Standard Institution provided to the factory/ factories…………………………….

3.11.6.2 No of Shipments proposed by the Contractor : …………………………

* + 1. Date of Manufacture:…………………
    2. Standard to which it conform:……………….
    3. Inlet Flanges

Pressure rating:……………

Dimensions (mm):……………

Bolt circle dia(mm):……………….

Standard:……………………….

Standard of facing and drilling:…………………………..

* + 1. The direction of closing of the hydrant valve:……………..
    2. Body test pressure:……………. Bars
    3. Valve and seat test pressure : ……………… bars
    4. Internal protective finish:………………
    5. External protective finish:……………………
    6. Weight of the hydrant: ……………………… kg
    7. Packing and protection of hydrants in transit:………………
    8. Reference of the catalogues, technical literature and drawings provided with the Bid:...................................................................................................................................
    9. Time of delivery of hydrants at port of shipment:……………………
    10. Name and address of supplier’s agent (if any) in Sri Lanka:…………………………
    11. Deviations from specifications (if any):………………………

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* 1. **Fire Hydrants - Dry Barrel Type**
     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. 3.12.5.1 Is product conformity certificate from relevant Standard Institution provided to the factory/ factories……………………

3.12.5.2 No of Shipments proposed by the Contractor : …………………………

* + 1. Standard to which it conform:……………………….
    2. Burried length of hydrant: ……………….. m
    3. Number of outlet nozzles nominal diameter and standard:

No. of outlet nozzles:………………….

Nominal diameter (mm):……………………

Standard:……………………..

* + 1. Inlet Flange

Pressure rating:………………..

Dimensions (mm):……………

Bolt circle dia(mm):………….

Standard:………………………

* + 1. Material, Hardness range and standard

Material Hardness range Standard

Gaskets: ……………….… ………………. …………….

Nuts and Bolts: …………….. ………………… …………..

* + 1. The direction of closing of the hydrant valve:………………………………….
    2. Colour of the finish paint above ground line:
    3. Weight of the hydrant: ……………………… kg
    4. Packing and protection of hydrants in transit:

Revised on 25-10-2018

* + 1. Reference of the catalogues, technical literature and drawings provided with the tender:
    2. Port of shipment:
    3. Time of delivery of hydrants at port of shipment:
    4. Name and address of supplier’s agent (if any) in Sri Lanka:
    5. Deviations from specifications (if any):

**4. PE PIPES AND FITTINGS**

* 1. No of shipments proposed by the contractor : …………………………………
  2. Country of Manufacture:

Pipes: ……………………….

Fittings: ………………………

* 1. Manufacturer’s Address and the intended Date of Manufacture:

**Address** **Intended Date of Manufacture**

Pipes: ………………….. ………………………………

Fittings: …………………. ………………………………

* 1. Colour of the product :

Pipes: ……………………….

Fittings: ………………………

* 1. Port of Shipment :
  2. 4.6.1 Standards to which pipes and fittings conform:

Pipes: ……………………….

Fittings: ………………………

4.6.2 No of Shipments proposed by the Contrcator : ……………………………

* 1. Is Certificate of product conformity from a relevant standards Institution provided :

Pipes ………………….. (attach a copy)

Fittings ………………. (attach a copy)

Revised on 04-10-2017

* 1. Nominal sizes and pressure ratings of Pipes & Fittings:

**Nominal Dia** **Pressure Rating SDR**

Pipes: ……………. ………………. ………

Fittings: …………… ……………….. ………

* 1. Make of compression fittings, Gaskets/ rubber rings, inserts, clamps

**Make/material** **IntendedDate of Manufacture**

**Body of Compression fittings …………………. ……………………..**

**Inserts ………………….. ……………………..**

**Rubber ring/Gasket ………………….. ……………………..**

* 1. Characteristics of PE compound as granules

1. Compound Density : …………………
2. Carbon black content

(black compound % by mass) …………

1. Carbon black dispersion

(black compound specify the grade range) ……………

* 1. Mechanical characteristics

1. Hydrostatic strength at 200C
2. For pipes …………………
3. For fittings ……………….
4. Hydrostatic strength at 800C
5. For pipes …………………
6. For fittings ……………….
   1. Packing and protection in transit :

Pipes ……………. (specify in detail)

Fittings ……………… (specify in detail)

* 1. Time of delivery:

|  |  |  |
| --- | --- | --- |
|  | **FOB** | **At Site** |
| Pipes |  |  |
| Fittings | Revised on 04-10-2017 |  |

* 1. Reference of the catalogues, technical literature, drawing provided with the tender:

Pipes : ……………………….

Fittings : ……………………

* 1. Name and address of the Supplier’s agent in Sri Lanka: …………………… ………………………………………………………………………………………………………………………….………………………………………………………………………………………………………….
  2. Whether ISO 9001 : 2015 quality assurance certificate is available for

manufacturing factory:

(i) (a) For Pipes ……………………………(i) (b) If yes, attach a copy …………

(ii) (a) For Fittings …………………………………(ii) (b) If yes, attach a copy

**5.** **GALVANIZED IRON PIPES & FITTINGS**

5.1 Country of Manufacturer :

5.2 Name & address of the manufacturer :

5.3 Manufacturing Process :

5.4 Thickness of external galvanized coating :

5.5 Protection of pipes and pipe ends in transit :

Pipes and plain ends :

Flanges :

5.6 Details of Flanges :

|  |  |  |
| --- | --- | --- |
| **Pipe Diameter** | **Bolts & Nuts**  **Dia. Length No. off** | **Material** |
| …………………  …………………  ………………… | …………………………  …………………………  ………………………… | …………………  …………………  ………………… |

Specify the standards to which the GI pipes and fittings to be supplied under this

contract comply with :

Is certificate from relevant Institution Provided :

Revised on 25-10-2018

5.7 Specify the duty (Heavy/Medium/Light) :

5.8 Pressure rating of pipes :

5.9 Indicate whether the manufacturing process of the items offered comply with

ISO 9001:2015 Quality Management System Standard.

Is certificate from relevant Institution provided :

.

Revised on 25-10-2018

**8. DEVIATIONS FROM SPECIFICATIONS**

**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 Tender 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 26.2 (a) 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 23-09-2019

**9. SCHEDULE OF DAY WORKS**

* **PREAMBLE NOTES ON DAYWORKS SCHEDULES**
* **SCHEDULE OF DAYWORK RATES FOR LABOUR**
* **SCHEDULE OF DAYWORK RATES FOR MATERIALS**
* **SCHEDULE OF DAYWORK RATES FOR CONSTRUCTIONAL PLANT**

# SCHEDULES OF DAYWORKS

**PREAMBLE NOTES ON DAYWORK SCHEDULES**

**General**

Reference should be made to Clause 53 of the Conditions of Contract. Work shall not be executed on day work basis except by written order of the Engineer. The rates specifies shall apply to any quantities of day work ordered by the Engineer. Day work rates are exclusive of VAT.

The day work rates for labour, material and Contractor’s Equipment do not include percentages to cover contractor’s overhead and profit. Contractor may add maximum percentage over and above the day work rate to cover overhead and profit as specified in each section below.

**Labour for day work**

Only the time of different classes of labour directly doing work ordered by the Engineer and for which they are competent to perform will be measured. The time of gangers (charge hands) actually doing the work with the gangs will also be measured but not the time of foreman or other supervisory personnel.

The day work rates for labour shall cover all direct costs to the contractor, including the amounts of wages paid to such labour, transporting time, subsistence allowances and any sums paid to or in on behalf of such labour for social benefits in accordance with Sri Lankan Law.

The overhead and profit component, maximum of 15% of daywork rates to cover the contractor’s profit, overhead, superintendence, liabilities and insurance and allowances to labour, time keeping, clerical and office work, the use of consumable stores, utilities, the cost of using, repairing and maintaining the tools necessary to each class of workman.

**Material for day work**

The basic rates for material is based on the invoice price, freight, insurance, handling expenses, damages, losses, wastages etc. and shall provide and delivery to site as directed by the Engineer. The contractor shall be entitled to payment in respect of materials used for day work at the maximum of 6% of day work to cover the overhead and profit.

**Contractor’s Equipment for daywork**

The contractor shall be entitled to payment in respect of Contractor’s Equipment employed on daywork. The rates include due and complete allowance for depreciation, interest, indemnity and insurance, repairs, maintenance, supplies, fuel, lubricants and other consumables. Contractor may add a maximum of 10% overhead and profit component to the day work rates to cover his profit, overhead, superintendence, administrative costs related to use such equipment, liabilities, time keeping and any other allied works.

Revised on 20-02-2018

In calculating the payment due to the Contractor for Contractor’s Equipment employed on day work, only the actual number of working hours will be eligible for payment, except that where applicable and agreed with the Engineer, the travelling time from the part of the site where the Contractor’s Equipment was located when ordered by the Engineer to be employed on day work and the time of return journey there to shall be considered for payment.

Revised on 04-10-2017

**SCHEDULE OF DAYWORK RATES**

**FOR LABOUR**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ITEM NO** | **DESCRIPTION** | | **UNIT** | **RATE  Rs.** |
| 1 | Unskilled Labour |  | day | 1350.00 |
| 2 | Helper |  | day | 1400.00 |
| 3 | Pipe Layer |  | day | 1850.00 |
| 4 | Mason |  | day | 1700.00 |
| 5 | Carpenter and Joiner |  | day | 1800.00 |
| 6 | Steel Work Erector |  | day | 1800.00 |
| 7 | Tool Operator |  | day | 1500.00 |
| 8 | Fitter |  | day | 1850.00 |
| 9 | Tiller |  | day | 1850.00 |
| 10 | Plumber |  | day | 1800.00 |
| 11 | Welder |  | day | 1750.00 |
| 12 | Painter |  | day | 1800.00 |
| 13 | Electrician |  | day | 1850.00 |
| 14 | Mechanic |  | day | 1850.00 |
| 15 | Bar Bender |  | day | 1800.00 |
| 16 | Operator (Heavy Machine) |  | day | 1900.00 |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| **Note :** | VAT not included |  |  |  |
|  | Contractor's O/H & P not included. |  |  |  |
| **Source:** | Market prices May 2019 |  |  |  |
|  |  |  |  |  |

**SCHEDULE OF DAYWORK RATES**

Revised on 23-09-2019

**FOR MATERIALS**

‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑-------------------------------------‑‑‑‑‑‑‑----------‑------

Item Description Unit Basic

No. Rate

‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑--------------------‑----------------------------------(Rs)----

1. Cement, ordinary Portland or

equivalent in bags kg 22.00

2. Tor Steel reinforcing bar kg 164.00

3. Mild steel kg 164.00

4. Fine aggregate as specified in Clause 1.6.1

of the ICTAD specification (SCA/4/1)

for Building Works – Volume 1

Fine Sand cu 18,975.00

Coarse Sand cu 18,975.00

Sea sand (wash) cu 10,563.00

Quarry Dust cu 9,660.00

5. Coarse aggregate for concrete as specified in

Clause 302 of the General Specification for

Civil Engineering construction of size ½” (Chips) cu 7,475.00

¾” cu 7,820.00

1” cu 7,705.00

1½” cu 7,705.00

2” cu 752.00

6. Timber for Planks ( ¾”) 1”x 9” (Jack) m 752.00

7. Shuttering planks ( ¾”) m2 753.00

8. Timber for Members

**Jack**

Timber 4”x3” – 6 ½ ft m 2,076.00

Timber planks 1 1/8” m2  7,531.00

**Hora/ Liyan**

Timber 2”x1” m 48.00 Timber 2”x2” m 139.00

Timber 4”x2” m 535.00

Timber 4”x3” m 927.00

Timber 5”x3” m 1,148.00 Timber 6”x2” m 927.00

Timber 4”x4” m 1,783.00

Timber 4”x6” m 2,178.00

Timber planks 1” x 9” m792.00

Valance Board 9”x ¾” (Ginisapu) m 653.00

Lunumidella Ceiling Planks ¾” m2 1,168.00

Revised on 23-09-2019

‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑-------------------------------------‑‑‑‑‑‑‑----------‑------

Item Description Unit Basic

No. Rate

‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑‑--------------------‑-----------------------------------(Rs)---

Kempas

Class 1 Timber 2”x1” m 132.00

Class 1 Timber 2”x2” m 265.00

Class 1 Timber 2”x4” m 849.00

Class 1 Timber 3”x4” m 1,320.00

Class 1 Timber 2”x5” m 1,208.00

Class 1 Timber 3”x5” m 1,351.00

Class 1 Timber 2”x6” m 1,320.00

Class 1 Timber 3”x6” m 2,546.00

Class 1 Timber 4”x6” m 3,507.50

Class 1 Timber 1”x9” m 1,320.00

9. Bricks Standard size nr. 15.00

10. Rubble

6” x 9” cu 5,520.00

6” x 4” cu 5,520.00

**Note :** 1. Contractor’s overhead not included

2. VAT not included

**Source :-**

1. Market prices June 2019.

Revised on 23-09-2019

**RATES FOR DAYWORK SCHEDULES**

**CONSTRUCTIONAL EQUIPMENT**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ITEM NO** | **DESCRIPTION** | **CAPACITY** | **UNIT** | **RATE (Rs.)** |
|  | **Air Hanling Equipment** |  |  |  |
| 1 | Air Compressor (including tools breakers etc:)\* | 1000 CFM | hr | 3,500.00 |
| 2 | Air Compressor (including tools breakers etc:)\* | 500 CFM | hr | 3,500.00 |
| 3 | Air Compressor (including tools breakers etc:)\* | 300 CFM | hr | 1,500.00 |
| 4 | Air Compressor (including tools breakers etc:)\* | 200 CFM | hr | 1,400.00 |
| 5 | Air Compressor \* | 10 l | day | 163.00 |
| 6 | Blower |  | day | 500.00 |
| 7 | Vacum Cleaner |  | day | 1,390.00 |
|  |  |  |  |  |
|  | **Breaking / Cutting Equipment** |  |  |  |
| 8 | Angle Grinder (06'',04") - Electrical (with operator) |  | day | 225.00 |
| 9 | Angle Grinder (7") - Electrical (with operator) |  | day | 560.00 |
| 10 | Asphalt cutter \* |  | hr | 1,200.00 |
| 11 | Breaker Machine (70kg) - Electric (with operator) |  | day | 5,000.00 |
| 12 | Grinder (large) - Electrical |  | day | 500.00 |
| 13 | Grinder (medium) - Electrical |  | day | 285.00 |
| 14 | Tile cutter (2'-0'' length) |  | day | 560.00 |
| 15 | Tile cutter (up to 2'-0'' length) |  | day | 385.00 |
|  |  |  |  |  |
|  | **Compacting Equipment** |  |  |  |
| 16 | Hand Rammers \* | 60kg | day | 4,220.00 |
| 17 | Plate Compactor Mechanical \* | 90kg | day | 3,890.00 |
| 18 | Pneumatic Roller \* | 8 - 10 t | hr | 4,000.00 |
| 19 | Pneumatic Roller \* | 10 - 12 t | hr | 4,720.00 |
| 20 | Soil compactor -Vibrating Roller \*(Min.4hrs/day) | 01 t | hr | 1,390.00 |
| 21 | Soil compactor -Vibrating Roller \*(Min.4hrs/day) | 05 t | hr | 2,330.00 |
| 22 | Soil compactor -Vibrating Roller \*(Min.4hrs/day) | 07 t | hr | 3,000.00 |
| 23 | Soil compactor -Vibrating Roller \*(Min.4hrs/day) | 10 t | hr | 3,245.00 |
| 24 | Soil compactor -Vibrating Roller \*(Min.4hrs/day) | 20 t | hr | 4,300.00 |
| 25 | Soil compactor -Vibrating Roller \*(Min.4hrs/day) | 26 t | hr | 4,800.00 |
|  |  |  |  |  |
|  | **Concrete Work Related** |  |  |  |
| 26 | Concrete mixer complete with scales etc. \* | 0.25m3 | hr | 525.00 |
| 27 | Concrete mixer complete with scales etc. \* | 0.5m3 | hr | 735.00 |
| 28 | Porker vibrator (Hand) |  | day | 1,610.00 |
| 29 | Porker vibrator (Electric) |  | day | 4,300.00 |
| 30 | Porker vibrator (with engine)\* | 38mm dia. | day | 3,760.00 |

Revised on 23-09-2019

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ITEM NO** | **DESCRIPTION** | **CAPACITY** | **UNIT** | **RATE (Rs.)** |
|  | **For Supply of Ready Mix Concrete (Colombo Area)** |  |  |  |
| 31 | Pump Cars -( Minimum 30 m3) - 21m length of pump car \* |  | m3 | 805.00 |
| 32 | Pump Cars -( Minimum 40 m3) - 32 m length of pump car\* |  | m3 | 905.00 |
| 33 | Pump Cars -( Minimum 50 m3) - 37 m length of pump car\* |  | m3 | 1,005.00 |
|  |  |  |  |  |
|  | **Earth Work Related Equipment** |  |  |  |
| 34 | Backhoe loader \* | 0.10m3 | hr | 1,880.00 |
| 35 | Backhoe loader \* | 0.25m3 | hr | 2,370.00 |
| 36 | Bob Cat \* (Min.4hrs/day) |  | hr | 2,445.00 |
| 37 | Bulldozer (Crawler Tractor) \* (Min.4hrs/day) | 85 hp | hr | 3,730.00 |
| 38 | Bulldozer (Crawler Tractor) \* (Min.4hrs/day) | 120 hp | hr | 4,580.00 |
| 39 | Excavator (Long Arm)\* | 0.4m3 | hr | 3,710.00 |
| 40 | Excavator (Long Arm)\* | 0.5m3 | hr | 4,760.00 |
| 41 | Excavator (Long Arm)\* | 0.9m3 | hr | 7,930.00 |
| 42 | Excavator \* | 0.18m3 | hr | 2,240.00 |
| 43 | Excavator \* | 0.35m3 | hr | 2,350.00 |
| 44 | Excavator \* | 0.45m3 | hr | 2,550.00 |
| 45 | Excavator \* | 0.7m3 | hr | 3,300.00 |
| 46 | Excavator \* | 0.9m3 | hr | 3,700.00 |
| 47 | Excavator with backhoe \* | 130hp | hr | 4,540.00 |
| 48 | Motar Grader \* | 3.1 m | hr | 3,720.00 |
| 49 | Motar Grader \* | 4.2 m | hr | 5,520.00 |
| 50 | Wheel Loader \* | 0.1m3 | hr | 1,820.00 |
| 51 | Wheel Loader \* | 1.4m3 | hr | 2,130.00 |
| 52 | Wheel Loader \* | 2.0m3 | hr | 2,660.00 |
|  |  |  |  |  |
|  | **Hoisting Equipment** |  |  |  |
| 53 | Chain Block 5T |  | day | 560.00 |
| 54 | Hoist Machine (300/500kg)\* |  | day | 8,340.00 |
| 55 | Crane Truck (80 km/day) \* crane charge Rs.2500/hrs | 5t | km | 215.00 |
| 56 | Crane Truck (80 km/day) \* crane charge Rs.2500/hrs | 17t | km | 260.00 |
| 57 | Crane Truck (80 km/day) \* crane charge Rs.2500/hrs | 20t | km | 315.00 |
| 58 | Crawler Crane \* | 35 t | hr | 4,670.00 |
| 59 | Crawler Crane \* | 50 t | hr | 6,225.00 |
| 60 | Fork lift \* (Min.4hrs/day) | 3 t | hr | 1,580.00 |
| 61 | Fork lift \* (Min.4hrs/day) | 5 t | hr | 2,100.00 |
| 62 | Hydraulic Crane \* | 20 t | hr | 7,890.00 |
| 63 | Hydraulic Crane \* | 15t | hr | 6,100.00 |
| 64 | Tower crane \* (without mobilization & demobilization) | 10 t | hr | 3,700.00 |
| 65 | Tower crane \*(without mobilization & demobilization) | 12 t | hr | 5,200.00 |
|  |  |  |  |  |

Revised on 23-09-2019

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ITEM NO** | **DESCRIPTION** | **CAPACITY** | **UNIT** | **RATE (Rs.)** |
|  | **Miscellaneous Equipment** |  |  |  |
|  |  |  |  |  |
| 66 | Welding Generator | 16KVA | day | 700.00 |
| 67 | Welding Plant | 3-Phase 400A | day | 560.00 |
| 68 | Floor Polisher |  | day | 1,340.00 |
| 69 | Jig Saw |  | day | 385.00 |
|  |  |  |  |  |
|  | **Power Generating Equipment** |  |  |  |
|  |  |  |  |  |
| 70 | Generating set (with fuel ) | 25kVA | hr | 2,225.00 |
| 71 | Generating set (with fuel ) | 50kVA | hr | 2,780.00 |
| 72 | Generating set (with fuel ) | 45kVA | hr | 3,060.00 |
| 73 | Generating set (with fuel ) | 125kVA | hr | 5,100.00 |
|  |  |  |  |  |
|  | **Pumping Equipment** |  |  |  |
| 74 | Pressure Pump (Electric domestic type-with operator) |  | day | 1,200.00 |
| 75 | Sludge pump 4'' dia. (with fuel & without operator) |  | hr | 1,100.00 |
| 76 | Water Pump 2" dia.(Electrical - without operator) |  | day | 1,100.00 |
| 77 | Water Pump 2" dia.(with fuel & without operator) |  | hr | 450.00 |
| 78 | Water Pump 4" dia. (with fuel & without operator) |  | hr | 1,160.00 |
|  |  |  |  |  |
|  | **Special Equipment** |  |  |  |
| 79 | Butt fusion Machine (Semi/Auto) with all necessary equipment - Electrical \* |  | month | 26,000.00 |
|  |  |  |  |  |
|  | **Transportation / Moving** |  |  |  |
|  |  |  |  |  |
| 80 | Baby Dumper \* |  | day | 5,040.00 |
| 81 | Container-Transport Trucks - 20 ft (From Colombo Port up to 32km) |  | below 20t | 18,000.00 |
| 82 | Container-Transport Trucks - 20 ft (From Colombo Port up to 32km) |  | above 20t | 21,000.00 |
| 83 | Container-Transport Trucks - 40 ft (From Colombo Port up to 32km) |  |  |  |
| 84 | Crew cab (with driver & fuel) \* |  | km | 75.00 |
| 85 | Double cab (with driver & fuel) \* |  | km | 65.00 |
| 86 | Lorry \* (80 km/day) | 12t | km | 260.00 |
| 87 | Low loader truck \* | 30 - 40 km | km | 330.00 |
| 88 | Ordinary truck (100 km/day) \* | 6 t | day | 8,700.00 |
|  |  |  |  |  |
|  |  |  |  |  |

Revised on 23-09-2019

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ITEM NO** | **DESCRIPTION** | **CAPACITY** | **UNIT** | **RATE (Rs.)** |
| 89 | Ordinary truck (100 km/day) \* | 12 t | day | 11,500.00 |
| 90 | Tractor | 0.75cu | day | 6,150.00 |
| 91 | Truck with Boom \* | 3 t | day | 12,800.00 |
| 92 | Truck with Boom \* | 3.5 t | day | 13,900.00 |
| 93 | Truck with Boom \* | 4 t | day | 17,300.00 |
| 94 | Truck with tipper \* | 10t/5cu | km | 210.00 |
| 95 | Van (15 Sheet) or similar utility Vehicle \* |  | km | 65.00 |
| 96 | Water Bowser (80 km/day) \* | 7000lts. | km | 200.00 |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

|  |  |  |
| --- | --- | --- |
| **Note :** | 1. VAT not included | |
|  | 2. \* Cost of Operator / Driver and fuel are included in rates | |
|  | 3. Contractors O/H & P not included. | |
| **Source:** | Market prices June 2019 |

Revised on 23-09-2019

**10. LIST OF DRAWINGS**

**LIST OF DRAWINGS**

|  |  |
| --- | --- |
| **Drg. No.** | Description |
|  |  |

1. **BILLS OF QUANTITIES**

* **PREAMBLE NOTES ON BILLS OF QUANTITIES**
* **BILLS OF QUANTITIES**
* **SUMMARY OF BILLS**
* **PREAMBLE NOTES**

*Select and Add*

*relevant preamble notes from*

***“Preamble Notes for BOQQ”***

*in NWSDB web*

### *(under the “Restrict Links”)*

* **Preamble Notes for Civil Engineering Works (Based on CESMM3)**
* **Preamble Notes for Building Works (based on SLS 573)**
* **Preamble Notes for DI/PE Pipes & Fittings, Specials, Accessories, DI Valves and DI Manhole Covers**
* **Preamble Notes for uPVC Pipes**
* **Preamble Notes for M&E Works**

Revised on 15-07-2020

**BILLS OF QUANTITIES**

### *Add General Bill and Other Bills using*

### *“Sample Bill of Quantities”*

### *form NWSDB web*

### *(under the “Restrict Links”)*

***as per the***

***requirement of the work.***

**NATIONAL WATER SUPPLY AND DRAINAGE BOARD**

**CONTRACT FOR ………………………………………………**

**………………………..…………….. WATER SUPPLY/SEWERAGE SCHEME**

**CONTRACT NO: ……………………………………..**

**SUMMARY OF BILLS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Bill No. | From page No. | Description | Amount | |
| Rs. | Cts. |
| 01 | ……. | General | …………….. | …………….. |
| 02 | ……. | PVC Pipes, Fittings & Specials | …………….. | …………….. |
| 03 | ……. | DI Pipes, Fittings, Specials, Accessories | …………….. | …………….. |
| 04 | ……. | DI Valves, Accessories, Manhole Covers & Surface Boxes | …………….. | …………….. |
| 05 | ……. | PE Pipes, Fittings, Specials and Accessories | ……………… | …………….. |
|  |  | ………………………………… | …………….. | ……………. |
|  |  | ………………………………… | …………….. | …………….. |
|  |  | Sub Total (1) |  |  |
|  |  | Less: Provisional Sums |  |  |
|  |  | Sub Total (2) |  |  |
|  |  | Less: Discount (if any) |  |  |
|  |  | Sub Total (3) |  |  |
|  |  | Add: Contingencies [Sub Total (3) x 10% ]  Add: Provisional Sums |  |  |
|  |  | **Total of Bid carried to Form of Bid (excluding VAT) in page 4-1** |  |  |

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

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

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

Revised on 15-07-2020

## 12. STANDARD FORMS

* **Bid Security**
* **Letter of Acceptance**
* **Agreement**
* **Performance Security**
* **Advance Payment Security**
* **Retention Money Guarantee**

FORM OF BID SECURITY

*-------------------------------------------------------------------------------------------------------*

*-------------------------------------------------------------------------------------------------------*

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

**Beneficiary:** The Chairman, National Water Supply & Drainage Board,

Galle Road, Ratmalana

**Date:** ---------------------------- *[insert (by issuing agency) date]*

**BID SECURITY No.:** -------------------------- *[insert (by issuing agency) number]*

We have been informed that --------------------------------------------------------------------------------------- *[name of the Bidder]* (hereinafter called "the Bidder") has submitted to you its bid dated ---------------*[ date]* (hereinafter called "the Bid") for the execution of ………………………………………………

*………………………………………….[insert 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 ----------------------------------------------- *[insert name of issuing agency]* hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of ------------------- *[insert amount in figures]*  -------------------------------------------------------------- ---------------------------------------------------------------- *[insert 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 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 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) the successful bidder furnishing the performance security, otherwise it will remain in force up to ---------------- *(insert date)*

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

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

Revised on 23-09-2019

**LETTER OF ACCEPTANCE**

*[Letter heading paper of the Employer]*

…………… *[Date]*

To: ……………………………………………………………………………………………

*[Name of the Contractor]*

………………………………………………………………………………………………

*[Address of the Contractor]*

This is to notify you that your bid dated ………………………….[insert date] for construction and remedying defects of the …………………………….……………………………..[name of the Contract and Contract number] for the Contractor price of…………………………………………. …………………………………………………….....................................……………… *[amount in figures and words]* as corrected in accordance with Instructions to Bidders and/or modified by a Memorandum of Understanding, is hereby accepted.

Applicable VAT will be payable on production of Tax Invoice. The Registered No. for NWSDB for VAT is 409031820700.

The adjudicator shall be appointed when necessity arises.

You are hereby instructed to proceed with the execution of the said Works in accordance with the Contract documents.

The Start Date shall be : ………………………………….(fill the date as per Conditions of Contract).

Contract Period is …… days from the Start Date.

Liquidated Damages shall be Rs. ……………/day up to the limit of 10% of the contract price.

The Amount of Performance Security is : ………………………

The Performance Security shall be submitted on or before ………………………………(fill the date as per Conditions of Contract). Failing to submit the performance guarantee will be a breach of contract and actions shall be taken as per Clause 16.5 of the Instruction to Bidders.

Please acknowledge the 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 ….. days.

Please contact PD/DGM ( )/AGM ( ), Engineer’s Representative of this contract, on Telephone No………………………. for further action on this contract.

…………………………….

General Manager

National Water Supply & Drainage Board

Revised on 23-09-2019

Revised on 23-09-2019

THE GOVERNMENT OF THE DEMOCRATIC SOCIALISTREPUBLIC OF SRI LANKA

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

## NATIONAL WATER SUPPLY AND DRAINAGE BOARD

**BID For …………………………………………….**

**CONTRACT No.: …………………………………..**

**AGREEMENT**

This AGREEMENT, is made and entered into on this …………….day of……… Two Thousand and ……………..by and between National Water Supply and Drainage Board, a corporate body duly established under the provisions of the National Water Supply and Drainage Board Act No.2 of 1974 and having its Head Office at Ratmalana in Sri Lanka (hereinafter called “the Employer”) or “the Board”) of the one part and Messrs .………………………………………………………… ……………………………………………………………………………………………………… (Hereinafter called “the Contractor”) of the other part.

WHEREAS the Employer is desires that the Contractor execute ………………………….., ………………………………………………………………………………………………………

……………………………………………………………..[name and identification number of Contract] (hereinafter called “the Works”) and the Employer has accepted the Bid by the Contractor for the execution and completion of such Works and the remedying of any defects therein.

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to, and they shall be deemed to form and be read and construed as part of this Agreement.

2. The documents forming the Contract shall be interpreted in the following order of priority:

(1) Agreement,

(2) Letter of Acceptance,

(3) Memorandum of understanding (if any)

(4) Contractor’s Bid,

(5) Contract Data,

(6) Conditions of Contract,

(7) Specifications,

(8) Drawings,

(9) Bills of Quantities,

(10) Any other document listed in the Contract Data as forming part of the Contract.

3. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all respects with the provisions of the Contract.

4. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying of defects wherein the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

Revised on 15-07-2020

IN WITNESS whereof the parties thereto have caused this Agreement to be executed the day and year aforementioned in accordance with the laws of Sri Lanka.

Signed by the said …………………………………………. Chairman, National Water Supply and Drainage Board and ……………………………………………. Board Member of the National Water Supply and Drainage Board 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**

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

Name : ……………………. Name : ………………………

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

……………………. ………………………

……………………. ………………………

For and on behalf of the Contractor : signed by the said ……………………………………in the capacity of …………………………………………………………………………. and/or duly authorized to sign this contract agreement for and on behalf of ………..

……………………………………………………………………………………………..

……………………………………………………………… (Block Letters)

**Witnesses**

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

Name : ……………………. Name : ………………………

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

……………………. ………………………

……………………. ………………………

**PERFORMANCE SECURITY**

**(Unconditional)**

……………………………………………………………………………………………………… *[Issuing Agency’s Name and address of Issuing Branch or Office]*

**Beneficiary : ……………………………………………………………………………………**

[Name and Address of Employer]

**Date** : ………………………………………………………

**PERFORMANCE SECURITY NO.: ………………………………………**

We have been informed that ……………………………………………………………………..

*[Name of Contractor](hereafter called “the Contractor”)* has entered into Contract No. *………………………………[reference number of the contract]* dated …………………………with you, for the ……………………….………………………………………………………*[insert “Construction”]* 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 undertake 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 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 sum specified therein.

This guarantee shall expire, no later than the ………… day of …………. 20……. *[insert date, 28 days beyond the Defects Liability Period]* and any demand for payment under it must be received by us at this office on or before that date.

We further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed there under or of any of the Contract document which may be made between you and the Contractor shall in any way release us from any liability under this Security, and we hereby waive notice or any such change, addition or modification.

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

[Signature(s)] of the Guarantor Seal

Capacity …………………………..

Revised on 23-09-2019

**FORM OF ADVANCE PAYMENT SECURITY**

**…………………………………………………………………………………………………………………………………………………*.[****Name and address of Agency, and Address of Issuing Branch or Office]*

Beneficiary : …………………………………………………………………………...

……………………………………………*[Name and Address of Employer]*

Date :……………………………………………

ADVANCE PAYMENT SECURITY No.:………………………….

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

Furthermore, we understand that, according to the conditions of the Contract, an advance payment in the sum …………………………………………..………………*[amount in figures]* ………………………..……………………..…………………………………….)

*[amount in words]* is to be made against an advance payment security**.**

At the request of the Contractor, we ………………………………………………………

……………..[name of issuing agency] hereby irrevocably undertake 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 Contractor is in breach of its obligation in repayment of the Advance payment under the Contract, without your needing to prove or to show grounds for your demand or the sum specified therein.

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

We further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed thereunder or of any of the contract document which may be made between you and the Contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice or any such change, addition or modification.

This security shall be remain valid and in full effect from the date of the advance payment under the contract until National Water Supply and Drainage Board, receives full repayment of the same amount from the Contractor.

Revised on 23-09-2019

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

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

[Signature(s)] of the Guarantor Seal

Capacity …………………………..

Witness Signature ……………………………………….

Name & Address ……………………………….

Capacity …………………………………..

**FORM OF RETENTION MONEY GUARANTEE**

………………………………………………………………………………………….

*[**Issuing Agency’s Name, and Address of Issuing Branch or Office]*

**Beneficiary :** ………………………………………………………………………………..

………………………………………………………………………………

……………………*[Name and Address of Employer :insert relevant Address]*

**Date :** ………………..

**RETENTION MONEY GUARANTEE No.:** ………………………………………

We have been informed that …………………………………………………………….

*[name of Contractor/supplier]* (Hereinafter called “the Contractor”) has entered into Contract No…………………………………………………………………….. *[Reference number of the contract]* dated …………………………… with you, for the execution of …………………………….

……………………………………………………………………….. *[Name of contract and brief description of Works]* (Hereinafter called “the Contract”).

Furthermore, we understand that, according to the Government procurement Guideline and the decision taken by the Board of Directors of the National Water Supply & Drainage Board to release retention money when it reaches 5% of Contract Price, the Employer would release to the sum…………………………..……………………………………………*[amount in figures] (………………………………………………………………………………………………………………………*)

*[amount in words]* is to be made against and unconditional on demand guarantee acceptable to the Employer

At the request of the Contractor, we ……………………………………………………………………

*[name of agency]* hereby irrevocably undertake 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 Contractor is in breach of its obligation under the Contract .

This guarantee shall expire, on …………………………………….*[28 Days beyond the Defects Notification Period/ Defects Liability Period].*

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

…………….........................

*[Signature(s)]*

Signature and seal of the guarantor

Witness

Name : ………………………………

Signature………………………………….

Revised on 23-09-2019

**13. APPENDICES**

**APPENDIX 1A - DETAILS OF SIMILAR WORKS COMPLETED WITHIN THE LAST FIVE YEARS AND ONGOING**

**SIMILAR ONES (specialized work)**

Note Separate sheets for each year may be used.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Year** | **Name and Address of Employer** | **Name and details of Contract** | **Main or Sub Contractor** | **Value of Contract** | **Period of Contract** | **Remarks**  **(Completed/ongoing etc.)** | **Value of work remaining incomplete** |
| ……… |  |  |  |  |  |  |  |
| Total monetary value of construction works performed in year ….. | | | |  |  |  |  |
| ………. |  |  |  |  |  |  |  |
| Total monetary value of construction works performed in year ….. | | | |  |  |  |  |
| ………. |  |  |  |  |  |  |  |
| Total monetary value of construction works performed in year ….. | | | |  |  |  |  |
| ……… |  |  |  |  |  |  |  |
| Total monetary value of construction works performed in year ….. | | | |  |  |  |  |
| ………. |  |  |  |  |  |  |  |
| Total monetary value of construction works performed in year ….. | | | |  |  |  |  |

Note : Contractor’s shall submit completion certificates for completed works and awarding letters and relevant cliental certificates for on going works for the proof of above furnished details.

Revised on 20-02-2018

**APPENDIX 1 B - DETAILS OF WORKS (EXCLUDING SIMILAR WORKS) COMPLETED WITHIN THE LAST FIVE YEARS**

**AND ONGOING ONES**

Note Separate sheets for each year may be used.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Year** | **Name and Address of Employer** | **Name and details of Contract** | **Main or Sub Contractor** | **Value of Contract** | **Period of Contract** | **Remarks**  **(Completed/ongoing etc.)** | **Value of work remaining incomplete** |
| ……… |  |  |  |  |  |  |  |
| Total monetary value of construction works performed in year ….. | | | |  |  |  |  |
| ………. |  |  |  |  |  |  |  |
| Total monetary value of construction works performed in year ….. | | | |  |  |  |  |
| ………. |  |  |  |  |  |  |  |
| Total monetary value of construction works performed in year ….. | | | |  |  |  |  |
| ………. |  |  |  |  |  |  |  |
| Total monetary value of construction works performed in year ….. | | | |  |  |  |  |
| ………. |  |  |  |  |  |  |  |
| Total monetary value of construction works performed in year ….. | | | |  |  |  |  |

Note : Contractor’s shall submit completion certificates for completed works and awarding letters and relevant cliental certificates for on going works for the proof of above furnished details.

Revised on 20-02-2018

**APPENDIX 2 - DETAILS OF KEY TECHNICAL STAFF & CONSTRUCTION**

**MANAGEMENT SERVICES**

**Note:**

1. In case of Engineers and Technical officers Bio-data should be submitted.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Item | Category | Qualification | Experience in years | No. proposed | |
|  |  | By NWSDB | By contractor |
| 1. | Engineers / Site Manager |  |  |  |  |
| 2. | Technical Officers |  |  |  |  |
| 3. | Any Other services required by the contractor for the contract  1. Specialist Services  2.  3.  4. |  |  |  |  |

APPENDIX 3 - SCHEDULE OF EQUIPMENT PROPOSED FOR PIPE LAYING

**Note:**

1. The categories indicated below are only the minimum requirement proposed by NWSDB for information. The Bidder should declare the actual plant and equipment that he proposes to use for the execution of the works. These plant and equipment should be in usage for not more than five years after their first purchase/use.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Item | Description | Minimum  No.  Proposed by NWSDB | Minimum  No. Provide by the contractor | Minimum Period Proposed | Remarks (hired/own) |
| 1. | Excavator/ Loader 1-2 m3 | 01 |  |  |  |
| 2. | Hand Rammers | 01 |  |  |  |
| 3. | Soil Compactor – Mechanical ½ ton | 01 |  |  |  |
| 4. | Hand Roller 2 – 3 ton | 01 |  |  |  |
| 5 | Dumper minimum capacity 1 m3 | 01 |  |  |  |
| 6. | Concrete mixer complete with scales etc. 0.25 – 0.5 m3 | 01 |  |  |  |
| 7 | Concrete vibrator 38mm dia. | 02 |  |  |  |
| 8. | Portable Air compressor complete with hose and pneumatic tools minimum capacity 2.83 m3 (100 cu.ft) per minute and pressure 70 kg/cm2 (100 psi) | 01 |  |  |  |
| 9.  10. | Mobile crane up to 5 ton  Portable welding set 500 A capacity complete with welding accessories. | 01  02 |  |  |  |
| 11. | Generating Set up to 4 kw | 01 |  |  |  |
| 12. | Bitumen sprayer up to 6 ton | 01 |  |  |  |
| 13 | Water Tanker 4 – 6 m3 | 01 |  |  |  |
|  |  |  |  |  |  |

Revised on 25-02-2020

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Item | Description | Minimum  No.  Proposed by NWSDB | Minimum  No. Provide by the contractor | Minimum Period Proposed | Remarks (hired/own) |
| 14 | Water Pump (complete with hoses etc.) 100 ft3/min | Sufficient  number |  |  |  |
| 15 | Rubber Roller up to 5 ton |  |  |  |  |
| 16 | Truck with Tipper 3 – 8 ton |  |  |  |  |
| 17. | Barbending Equipment. |  |  |  |  |
| 18. | Engineer’s Level |  |  |  |  |
| 19. | Theodolite. |  |  |  |  |
| 20. | Shoring | Sufficient  quantity |  |  |  |
| 21. | Pressure testing equipment | 02 |  |  |  |
| 22. | Asphalt Cutter |  |  |  |  |

Note:

* 1. This is a typical format and has to be amended to suit the requirement of the

contract by the user department.

2. The Bidder shall submit a documentary evidence for machinery to be

hired/lease for the contract.

APPENDIX 3 A - SCHEDULE OF CONTRACTOR’S EQUIPMENT PROPOSED

**FOR CIVIL CONSTRUCTION**

**Note:**

1. The categories indicated below are only the minimum requirement proposed by NWSDB for information. The Bidder should declare the actual plant and equipment that he proposes to use for the execution of the works. These plant and equipment should be in usage for not more than five years after their first purchase/use.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Item | Description | Minimum  No.  Proposed by NWSDB | Minimum  No. Provide by the contractor | Minimum Period Proposed | Remarks (hired/own) |
| 1. | Excavator/ Loader 1-2 m3 | 02 |  |  |  |
| 2. | Hand Rammers | 01 |  |  |  |
| 3. | Soil Compactor – Mechanical ½ ton | 01 |  |  |  |
| 4. | Hand Roller 2 – 3 ton | 01 |  |  |  |
| 5 | Dumper minimum capacity 1 m3 | 01 |  |  |  |
| 6 | Steel Wheel Roller up to 4 ton |  |  |  |  |
| 7. | Concrete mixer complete with scales up to 0.25 | 01 |  |  |  |
| 8 | Concrete mixer complete with scales etc 0.25 - 0.5 m3 | 01 |  |  |  |
| 9 | Concrete mixer complete with scales over 0.5 m3 | 02 |  |  |  |
| 10 | Concrete vibrator 38mm dia. | 06 |  |  |  |
| 11 | Portable Air compressor complete with hose and pneumatic tools minimum capacity 2.83 m3 (100 cu.ft) per minute and pressure 70 kg/cm2 (100 psi) | 01 |  |  |  |
| 12  13  14 | Mobile crane up to 2 ton  Mobile crane up to 5 ton  Lorry / Truck 5 ton capacity | 01  01  01 |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Item | Description | Minimum No.  Proposed by NWSDB | Minimum  No. Provide by the contractor | Minimum Period Proposed | Remarks (hired/own) |
| 15 | Portable welding set 500 A capacity complete with welding accessories. | 02 |  |  |  |
| 16 | Generating Set up to 4 kw | 02 |  |  |  |
| 17. | Bitumen sprayer up to 6 ton | 01 |  |  |  |
| 18 | Road Roller 6 –10 ton | 01 |  |  |  |
| 19 | Water Tanker 4 – 6 m3 | 01 |  |  |  |
| 20 | Water Pump (complete with hoses etc.) 100 ft3/min | Sufficient  number |  |  |  |
| 21 | Rubber Roller up to 5 ton | 01 |  |  |  |
| 22 | Pneumatic Roller 10 ton | 01 |  |  |  |
| 23 | Truck with Tipper 3 – 8 ton | 01 |  |  |  |
| 24. | Barbending Equipment. | 01 |  |  |  |
| 25 | Engineer’s Level | 01 |  |  |  |
| 26. | Theodolite. | 01 |  |  |  |
| 27 | 1m x 1m x 1 m scaffolding units with diagonal ties, bends, base plates, connecting couplings, clamps etc. made of 48 mm dia . DI tubes or scaffolding units equivalent to above |  |  |  |  |
| 28 | Shoring | Sufficient  quantity |  |  |  |

Note:

1. The Bidder shall submit a documentary evidence for machinery to be hired/lease for the contract

* 1. *This is a typical format and has to be amended to suit the requirement of the contract by the user department*

**APPENDIX 4 - 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 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 bid may show credit facilities available to them from aBanks.

# 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 AssetsCurrent 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 |  |  |  |

**APPENDIX 4A – REVOLVING CREDIT LINE FACILITY**

Revised on 04-10-2017

Date : ………..

Name of Bidder : …………………………………..

Details of Commercial Banks providing revolving line of credit facilities.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of the**  **Bank** | **Amount of**  **Credit Line**  **(Rs.ML)** | **Address** | **Contact**  **Telephone**  **No.** | **Contact Name**  **and Title** |
|  |  |  |  |  |

Note : Attach original letters issued from commercial banks addressed to the NWSDB,

Confirming the revolving line of credit facilities given to the Bidder, exclusively for

this contract.

………………………………….

Signature of Bidder/Authorized Representative

Company Seal :

**APPENDIX 4B- 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 references 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 officer of the Bidder.

Note : If there are more than one bank given in the Appendix 4A, separate letters should be submitted for each Bank.

Revised on 15-05-2018

**APPENDIX 5 - WORK PROGRAMME PROPOSED BY THE CONTRACTOR FOR THE ………………………….**

Scheme : (To be filled the design Engineer)

Contract No : (To be filled the design Engineer)

Contractor :

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Item**  **No.** | **Description** | **Programme (Months)** | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** |
|  | Design Engineer should provide major  Components of the scheme. |  |  |  |  |  |  |  |  |

**APPENDIX 5A****– METHOD OF STATEMENT**

The bidder is required to prepare a method statement not exceeding 20 pages including charts and tables, which describes the approaches to be adopted in the construction, commissioning and hand over of the works.

**Appendix 6 - Bidder’s Authorization to sign the bid AND THE**

**Contract**

[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]*

To : Chairman,

Procurement Committee,

………………………………..

………………………………..

**For ……………………………………………... of Water Supply/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 ……………………

# APPENDIX 7A - Guarantee for DI Pipes, Fittings and Rubber Rings

Revised on 23-09-2019

**(Functional Guarantee)**

[Address of the Manufacturer]

…………………………………

…………………………………

………………………………..

Chairman,

National Water Supply & Drainage Board,

Galle Road, Ratmalana.

Sri Lanka.

**For ……………………………………………... of Water Supply/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 25-02-2020

# APPENDIX 7B - Guarantee for upvc Pipes, Fittings and Rubber Rings

**(Functional Guarantee)**

[Address of the Manufacturer]

…………………………………

…………………………………

…………………………………

Chairman,

National Water Supply & Drainage Board,

Galle Road, Ratmalana.

Sri Lanka.

**For ……………………………………………... of Water Supply/Sewerage Scheme**

**Contract No. …………………………………..**

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

……………………………………………………………………………………………………….…………………………………( Name & Address of the Pipe Manufacturer ) Manufacturer of uPVC pipes ,hereby guarantee that,

1. uPVC 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 uPVC 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 25-02-2020

# APPENDIX 7C - Guarantee for PE Pipes and Fittings (Functional Guarantee)

[Address of the Manufacturer]

…………………………………

…………………………………

…………………………………

Chairman,

National Water Supply & Drainage Board,

Galle Road, Ratmalana.

Sri Lanka.

**For ……………………………………………... of Water Supply/Sewerage Scheme**

**Contract No. …………………………………..**

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

……………………………………………………………………………………………………….…………………………………( Name & Address of the Pipe Manufacturer ) Manufacturer of PE pipes ,hereby guarantee that,

1. PE pipes and fittings 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 PE 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 : ……………………………………………………………

**APPENDIX 8- Confirmation of Capability of Production and**

Revised on 27-02-2020

**Supply according to Delivery Schedule.**

[Address of the Manufacturer]

…………………………………………..

………………………………………….

………………………………………….

Chairman, Procurement Committee,

……………………………..,

……………………………...

**For ……………………………………………... of Water Supply/Sewerage Scheme**

**Contract No. …………………………………..**

We, …………………………………………………………………….[*name of manufacturer*] of ………………………………………………………………………………………………………………….…………………………………………………………………………..…….*[addressof manufacturer]*confirm that we have sufficient production capacity to produce the quantity of ………………………………………………… *[insert the relevant from DI Pipes, Fittings and Specials****/*** *PE Pipes, Fittings & Specials****/*** *DI Valves****/*** *Manhole Covers****/*** *Surface Boxes****/*** *Any other; state]* submitted in this bid and shall deliver them according to the Work Programme indicated in the bid.

…………………………….. ……………………………..

Authorized Officer of the Manufacturer. Seal of the Company.

Name :……………………………………

**APPENDIX 9 - Manufacturer’s Authorization to sign the Contract**

Revised on 27-02-2020

[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]

To : Chairman, Procurement Committee,

……………………………..,

……………………………...

**For ……………………………………………... of Water Supply/Sewerage Scheme**

**Contract No. …………………………………..**

We ………………………………………… *[insert complete name of Manufacturer],* who are official manufacturers of *[insert the relevant from DI Pipes, Fittings and Specials****/*** *PE Pipes, Fittings & Specials****/*** *DI Valves****/*** *Manhole Covers****/*** *Surface Boxes****/*** *Any other; state]* 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 ………………………………………….. *[insert the relevant from DI Pipes, Fittings and Specials****/*** *PE Pipes, Fittings & Specials****/*** *DI Valves****/*** *Manhole Covers****/*** *Surface Boxes****/*** *Any other; state]*, manufactured by us and to subsequently negotiate and sign the Contract.

We hereby extend our full guarantee and warranty in accordance with Clause 15 of the General Conditions of Contract, with respect to the Goods offered by the above firm.

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 10 - Manufacturer’s awareness of the TOR for**

Revised on 27-02-2020

**Independent Inspection Agency**

[Address of the Manufacturer]

…………………………………………..

………………………………………….

………………………………………….

Chairman,Procurement Committee,

……………………………..,

……………………………...

**For ……………………………………………... of Water Supply/Sewerage Scheme**

**Contract No. …………………………………..**

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

a) Appendix 12 – TOR for Independent Inspection Agency

b) Clause 73.1 of Contract Data

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

Authorised Officer of the Manufacturer. Seal of the Company.

Name :……………………………………

**APPENDIX 11 - Manufacturer’s Warranty for the goods supplied**

Revised on 27-02-2020

**under the contract**

[Address of the Manufacturer]

…………………………………………..

………………………………………….

Chairman,

National Water Supply & Drainage Board,

Galle Road, Ratmalana.

Sri Lanka.

**For ……………………………………………... of Water Supply/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 72 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 :…………………………………… Date :…………………..

In the capacity of …………………………

This is to certify that the seal and signatures of authorized officer of the manufacturer affixed to Manufacturer’s warranty, are found to be authentic.

………………………………

Signature of Attorney at Law

……………………………..

Seal of Attorney at Law

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

Date ……………………

Revised on 27-02-2020

**Appendix 12 - TOR FOR INDEPENDENT INSPECTION AGENCY**

**DI Pipes, fittings & RUBBER RINGS Appendix-12A (1 of 6)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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  Chambering 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. |  |  |  |

Revised on 27-02-2020

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Appendix-12A ( 2of 6)** | | | | |
| **Activity** | | **Test Performed** | **Results** | **Acceptability as per Specification** |
| **1.2**  **1.3** | 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.  Compresure Strength of the Cement Lining  Curing period of Pipes after Cement Lining.  Smoothness of external Bitumen Coating  **Socketed Bends**  Socket Diameter  Length of Bend  C-Class of Bend  Wall Thickness of bend  Grooves in the Socket. |  |  |  |

Revised on 27-02-2020

**Appendix-12A (3 of 6)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Activity** | | **Test Performed** | **Results** | **Acceptability as per Specification** |
| **1.4** | 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  Compresure 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  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. |  |  |  |

Revised on 27-02-2020

**Appendix-12A (4 of 6)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Activity** | | **Test Performed** | **Results** | **Acceptability as per Specification** |
| **1.5** | 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  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. |  |  |  |

Revised on 27-02-2020

**Appendix-12A (5 of 6)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Activity** | | **Test Performed** | **Results** | **Acceptability as per Specification** |
| **1.6** | **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. |  |  |  |

Revised on 27-02-2020

**Appendix-12A (6 of 6)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Activity** | | **Test Performed** | **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 Nuts & Bolts.  10. Materials of Nuts & Bolts Washers  11. Manufacturing Standard of Nuts & Bolts  12. Number of Washers/ Bolt. |  |  |  |

Revised on 27-02-2020

**PE Pipes and fittings Appendix-12B (1 of 4)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Activity** | | **Test Performed** | **Results** | **Acceptability as per specification** |
| 1. | **Physical Proportion/properties** |  |  |  |
| 1.1 | **Socket & Spigot Pipes** |  |  |  |
|  | Surface finishes  Appearance  Colour  Pipe wall thickness  Mean outside Diameter  Length of Pipe  SDR category  PE designation  Elongation at Break for e < 5 m  5m < e < 12 mm  e > 12 m  Melt Mass flow rate (MFR)  Oxidation Induction time  Longitudinal Reversion Test  .  Ovalty  Material Density  Effect on water quality |  |  |  |
| 1.2 | **Flanges** |  |  |  |
|  | Flange thickness  Flange diameters  No. of bolt holes  Cleanliness of Flange  Raised Face or Flat Face  Smoothness of Raised Face/Flat Face  Integrally casted or Factory Welded  Condition of weld if welded  Elongation at Break for e < 5 m  5m < e < 12 mm  e > 12 m  Ovalty  Melt Mass flow rate (MFR)  Oxidation Induction time  Density  Effect on water quality |  |  |  |
|  |  |  |  |  |
|  |  | Revised on 27-02-2020 |  |  |
|  |  |  | **Appendix-12B (2 of 4)** | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Activity** | | **Test Performed** | **Results** | **Acceptability as per specification** |
| 1.3 | **Bends** |  |  |  |
|  | Diameter  Length of Bend  SDR  PE designation  Wall thickness of bend  Melt mass flow rate (MFR)  Oxidation induction time  Cohesive resistance  Tensile strength  Ovalty  Density  Effect on water quality |  |  |  |
| 1.4 | **Tees** |  |  |  |
|  | Length of tees  Length of Branch  Diameter of tee (all faces)  Wall thickness of Tees  Wall thickness of Branch  SDR  PE Designation  Melt mass flow rate (MFR)  Oxidation induction time  Density  Ovalty  Tensile strength  Effect on water quality  Cohesive resistance |  |  |  |
| 2. | **Strength & Mechanical Properties** |  |  |  |
| 2.1 | **PE Pipes & Fittings** |  |  |  |
|  | Hydrostatic strength at 20 0C  Hydrostatic strength at 80 0C  Manufacturing Standards of Pipes & Fittings. |  | Revised on 27-02-2020 |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  | **Appendix-12B (3 of 4)** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Activity** | | **Test Performed** | **Results** | **Acceptability as per specification** |
| 3. | **Accessories** |  |  |  |
| 3.1 | **Steel flange converter** |  |  |  |
|  | Dimension  Physical appearance  Ovality |  |  |  |
| 3.2 | **Slim flange assembly** |  |  |  |
|  | Dimension  Physical appearance  Ovality |  |  |  |
| 3.3 | **Nuts & Bolts** |  |  |  |
|  | Dimensions  **Tensile strength**   * 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   thickness of galvanized coating  Ovality |  |  |  |
| 4. | **Joint rings & Gaskets** |  |  |  |
|  | Appearance & finish  Tensile strength  Elongation of break  Compression hardness  Micro biological deterioration |  |  |  |
| 4. | **Material Characteristics** |  |  |  |
|  | Compound Density  Carbon black content (black compound) % by mass  Carbon Black dispersion (black compound) grade range |  |  |  |
| 5. | **Quality Assurance** |  |  |  |
| 5.1 | **Raw Materials (R/M)**  R/M received and kept separately in quarantine area on R/M test report received (Report Ref. No.) on |  | Revised on 27-02-2020 |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  | **Appendix-12B (4 of 4)** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Activity** | | **Test Performed** | **Results** | **Acceptability as per specification** |
| 5.2 | **Manufacture**  Date and Time of commencement of batch  Date and Time of completion of batch  Date batch sent to quarantine area |  |  |  |
| 5.3 | **Physical/Mechanical Checkings (by In-House Q/A Department and Laboratory)**   1. Dimension and appearance checking 2. Heat reversion test 3. General test 4. Batch test 5. Tensile test |  |  |  |
| 5.4 | Pipe sample sent for chemical test |  |  |  |
| 5.5 | Pipes passed by inspector for release to general storage area |  |  |  |
| 5.6 | General storage area for packing  Wrapping/packing completed and labelled and separately stored, awaiting chemical test results for pipe. |  |  |  |
| 5.7 | **Verification of Quality**  Chemical tests results of pipe received. |  |  |  |
| 5.8 | Separation of coils pipes not complying With BS |  |  |  |
| 5.9 | Test certificate submitted for inspection agent/NWSDB’s approval |  |  |  |
| 5.10 | Purchaser’s approval received for shipment |  |  |  |
| 5.11 | **Containerisation & Final Approval**  Pipe stocks loading in to container & passed by Q/A Department & Inspection Agent |  |  |  |
| 5.12 | Final approval for transport & shipment |  |  |  |

Revised on 27-02-2020

**DI VALVES Appendix-12C (1 of 7)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Activity** | **Test performed** | **Results** | **Acceptability as per specification** |
| 1. **GATE/SLUICE VALVES**    1. Performance test – 2. Operate Fully Closed to Fully Open – times 3. Operate Fully open to Fully close – times    1. Leakage test for internal pressure    2. Material   Body  Spindle  Metal faces and seal   * 1. Length between flanges   1.5 End flanges -  Pressure Rating  Dimensions  Bolt Circle dia  1.6 Gear Ratio  Unbalanced head  Seat test pressure  Body test pressure   * 1. Internal protection coating   2. External protective finish coating  1. **BUTTERFLY VALVES**    1. Performance test – 2. Operate Fully Closed to Fully Open – times 3. Operate Fully open to Fully close – times    1. Leakage test for internal pressure    2. Leakage test for external pressure    3. Hydrostatic test    4. Seat tightness test   2.7 Material  Valve body  Valve disc  Valve seat  Shaft  Shaft seals |  |  |  |

Revised on 27-02-2020

**Appendix-12C (2 of 7)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Activity** | **Test performed** | **Results** | **Acceptability as per specification** |
| 2.8 Face to face dimensions of the valves  2.9 End Flanges  Pressure rating  Dimensions  Bolt circle dia  2.10 Gear ratio of gearing  Unbalanced head  Seat test pressure  Body test pressure  2.11 Internal protective finish:  Material  Thickness  2.12 External protective finish:  Material  Thickness  **3**. **AIR VALVES**  3.1. Performance test –   1. Operate Fully Closed to Fully Open – times 2. Operate Fully open to Fully close – times   3.2. Body strength test  3.3. Leakage test  3.4. Material of Ball (Stainless Steel  or Plastic)  3.5. Flanges (if applicable)  Pressure rating  Standard Dimensions  Bolt circle dia  3.6 Seat test pressure  3.7 Body test pressure  3.8 Internal protective finish  3.9. External protective finish |  |  |  |

Revised on 27-02-2020

**Appendix-12C (3 of 7)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Activity** | **Test performed** | **Results** | **Acceptability as per specification** |
| **4 CHECK VALVES**  4.1. Performance test –   1. Operate Fully Closed to Fully Open – times 2. Operate Fully open to Fully close – times   4.2 Is this non Slam  4.3 Is this Spring loaded  4.4 Material  Valve body  Hinge pin and bushes  Disc  Disc encapsulating material  4.5. End Flanges  Pressure rating  Dimensions  Bolt circle dia  4.6. Face to face dimensions of the valve  4.7. Seat test pressure  4.8. Body test pressure  4.9. Internal protective finish  4.10. External protective finish  **5. PRESSURE REDUCING VALVES**  5.1 Material  Main valve  Body  Internal valve  Indicator rod  Relay Valve  Body  Spindle  Diaphragm.  Spring  5.2 Length between flanges  5.3 End Flanges  Pressure rating  Dimensions |  |  |  |

Revised on 27-02-2020

**Appendix-12C (4 of 7)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Activity** | **Test performed** | **Results** | **Acceptability as per specification** |
| Bolt circle dia  5.4 Minimum running pressure difference  5.5 Minimum control pressure  5.6 Internal protective finish  5.7 External protective finish  **6. PRESSURE SUSTAINING/RELIEF VALVES**   * 1. Material   Main valve  Body  Internal valve  Indicator rod  Relay Valve  Body  Spindle  Diaphragm  Spring  6.2. Length between flanges  6.3 End Flanges  Pressure rating  Dimensions  Bolt circle dia   * 1. Internal protective finish   2. External protective finish   **7. FLOW CONTROL VALVES**  7.1 Material  Main valve  Body  Internal valve  Indicator rod  Relay Valve  Body  Spindle  Diaphragm  Spring |  | Revised on 27-02-2020 |  |

**Appendix-12C (5 of 7)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Activity** | **Test performed** | **Results** | **Acceptability as per specification** |
| 7.2. Length between flanges   * 1. End Flanges   Pressure rating  Dimensions  Bolt circle dia   * 1. Minimum flow   2. Constant flow   3. Internal protective finish   4. External protective finish   **8. ALTITUDE VALVES**  8.1. Material  Main valve  Body  Internal valve  Indicator rod  Relay Valve  Body  Spindle  Diaphragm  Spring  8.2 Length between flanges  8.3 End Flanges  Pressure rating  Dimensions  Bolt circle dia  8.4. Internal protective finish  8.5. External protective finish  **9. BALL FLOAT VALVES**  9.1. Body test pressure  9.2 End Flanges  Pressure rating  Dimensions  Bolt circle dia  9.3 Material  Valve Body  Float  Lever and links  9.4 Body test pressure  9.5 Close assembly test pressure |  | Revised on 27-02-2020 |  |

**Appendix-12C (6 of 7)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Activity** | **Test performed** | **Results** | **Acceptability as per specification** |
| **10. FLAP VALVES**  Material  Frame and door  Sealing  Hinge pin  Links Flanges Pressure rating  Dimensions  Bolt circle dia 11. FIRE HYDRANTS 11.1 Screw Down Type  11.1.1. Inlet Flanges  Pressure rating  Dimensions  Bolt circle dia 11.1.2 Body test pressure11.1.3 Valve and seat test pressure11.1.4. Internal protective finish11.1.5. External protective finish **11.2. Dry Barrel Type** 11.2.1 No. of outlet nozzles 11.2.2. Nominal diameter 11.2.3 Inlet Flange Pressure rating  Dimensions  Bolt circle dia 11.2.4. Material, Hardness range of Gaskets11.2.5. Material of Nuts and Bolts |  |  |  |

Revised on 27-02-2020

**Appendix-12C (7 of 7)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Activity** | **Test performed** | **Results** | **Acceptability as per specification** |
| **12. SURFACE BOXES AND MANHOLE**  **COVERS**   * 1. Material   2. Class   Manhole Covers  Surface Boxes  12.3. Coating  Joint Rings/ Gaskets  1. Materials of Joint Ring/ Gasket  2. Manufacturing Standards of Joint Ring/  Gasket  3. Hardness of materials of Joint Ring/  Gasket.  4. Seal Type designation of Joint Ring/  Gasket Nuts & Bolts.  5. Materials of Nuts & Bolts Washers  6. Manufacturing Standard of Nuts & Bolts  7. Number of Washers/ Bolt. |  |  |  |

Revised on 27-02-2020

**Appendix 13(1 of 13)**

**APPENDIX 13 - 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/EN 545: 2010) …………….

Of pipes & Fittings

Manufacturing Standards of

Joint Rings : (BSEN 681-1:1996/ISO4633:2015) .………….

Quality Assurance Standards : (ISO 9001: 2015) ……………

Parameters to be checked

Markings to casted on, painted or cold stamped

Mechanical Properties, Hardness, Elongation,

Hydrostatic Pressure Tests

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

**Appendix 13 (2 of 13)**

Revised on 15-07-2020

**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: 2015 |  | |  | |
| 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 B1 EN-545 2010 | | |  | |  |
|  | Modulus of Elasticity | 14- 18 N/mm2 | | |  | |  |
|  | Brinell hardness for pipes | 230HB | | |  | |  |
|  | Brinell hardness for fittings | 250 HB | | |  | |  |

Revised on 25-10-2018

**Appendix 13(3 of 13)**

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 : EN545:2010 - Clause 6.5 & Table 14  ISO 2531:2009 - Clause 6.5 & Table 10 | | | | | | | | | | | | |
| Sample  No | Item of Testing | Pressure class (“C” class)/  Test pressure | 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 : | | | | | | | | | | | | |

**Appendix 13 (4 of 13)**

Revised on 20-02-2018

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

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 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 : EN545:2010 – Clause 4.2.3 & Table 3,4,5,6  ISO 2531 :2009 - Clause 4.2.3 & Tables 2,3,4,5 | | | | | | | |
| Sample  No | Item of testing | Physical/Measured  Value | | Deviation | Tolerance  Allowed | Comply?  (Yes/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 : | | | | | | | |

**Appendix 13 (5 of 13)**

Revised on 25-10-2018

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

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 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 : EN545:2010 – Clause 4.2.4  ISO 2531 :2009 -Clause 4.2.4 | | | | | | | |
| Sample  No | Item of testing | Physical/Measured  Value | | Deviation | Tolerance  Allowed | Comply?  (Yes/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 : | | | | | | | |

Revised on 25-10-2018

**Appendix 13 (6 of 13)**

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

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 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 : EN545:2010 – Clause 4.2.2  ISO 2531 :2009 - Clause 4.2.1 | | | | | | | |
| Sample  No | Item of testing | Physical/Measured  Value | | Deviation | Tolerance  Allowed | Comply?  (Yes/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 :  Revised on 25-10-2018 | | | | | | | |

**Appendix 13 (7 of 13)**

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

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 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 : EN545:2010 – clause 4.2.1  ISO 2531 : 2009- Clause 4.2.2 | | | | | | | |
| Sample  No | Item of testing | Physical/Measured  Value | | Deviation | Tolerance  Allowed | Comply?  (Yes/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 : | | | | | | | |

Revised on 25-10-2018

**Appendix 13 (8 of 13)**

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

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 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 : EN545:2010 – Clause 4.4.3 & 4.5  ISO 2531 :2009 - Clause 4.4.2 & 4.5.2 | | | | | | | |
| Sample  No | Item of testing | Physical/Measured  Value | | Deviation | Tolerance  Allowed | Comply?  (Yes/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 :  Revised on 25-10-2018 | | | | | | | |

**Appendix 13 (9 of 13)**

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

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 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 : EN545:2010- Clause 4.4.2 & 4.5  ISO 2531 :2009 - Clause 4.4.1 & 4.5.1 | | | | | | | |
| Sample  No | Item of testing | Physical/Measured  Value | | Deviation | Tolerance  Allowed | Comply?  (Yes/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 :  Revised on 25-10-2018 | | | | | | | |

**Appendix 13 (10 of 13)**

**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 : BSEN545:2010& ISO 2531 :2009 | | | | |
| 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 25-10-2018

**Appendix 13 (11 of 13)**

**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:**

**Appendix 13 (12 of 13)**

**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 25-10-2018

**Appendix 13 (13 of 13)**

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

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

(witness the original certificate)

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

(witness the original certificate)

Revised on 25-10-2018

**APPENDIX 13 A - PRE-SHIPMENT INSPECTION OF PE PIPES & FITTINGS BY THE EMPLOYER**

# CHECK LIST

Name & Location of the Factory

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

…………………………………………………………………………………

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

…………………………………………………………………………………

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

Applicable Standards

Manufacturing Standards : (ISO 4427:2019 EN12201-1 TO 5):2011

Of pipes & Fittings

Manufacturing Standards of

Joint Rings : (EN681-1):1996 …………….

Quality Management System : (ISO 9001: 2015) ……………

Parameters to be checked

Markings

Mechanical Properties

Hydrostatic Pressure Tests

Wall Thickness

Length of straight pipes

Straightness

Testing of Flanges

Joint Rings

Chemical Composition of Pipes & Fittings

ConHDPEtion of Pipes & Fittings

Tolerances

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 of7)**

**PRE-SHIPMENT INSPECTION OF PE 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: 2015** |  |  |
| **Independent**  **Inspection** | **Availability of Inspection Agency.**  **Certificate before Shipment** | **-** |  |  |
| **Markings** |  | **-** |  |  |
|  |  | **-** |  |  |
|  |  | **-** |  |  |
|  |  | **-** |  |  |
|  |  | **-** |  |  |
|  |  | **-** |  |  |
|  |  | **-** |  |  |
|  |  | **-** |  |  |
|  |  | **-** |  |  |
| **Material Characteristics** | | | | |
|  | **Mechanical Properties** |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

**(3 of7)**

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

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Hydrostatic Test** | | | | | | | | |
| **Bill No: Item No. & Qty. Sample size:**  **Description of Item :) Class : HDPEa x Length :**    **Tech Spec Clause No: Reference Standard :** | | | | | | | | |
| **Sample**  **No** | **Item of Testing** | **Test results** | | | **Deviation** | **Tolerance**  **Allowed** | **Comply?** | **Remarks** |
| **1** |  |  |  |  |  |  |  |  |
| **2** |  |  |  |  |  |  |  |  |
| **3** |  |  |  |  |  |  |  |  |
| **4** |  |  |  |  |  |  |  |  |
| **5** |  |  |  |  |  |  |  |  |
| **6** |  |  |  |  |  |  |  |  |
| **7** |  |  |  |  |  |  |  |  |
| **8** |  |  |  |  |  |  |  |  |
| **9** |  |  |  |  |  |  |  |  |
| **10** |  |  |  |  |  |  |  |  |
| **Inspection & Testing Witnessed by** | | | | | | | | |
| **Name** | | | | | | | | |
| **Signature : Date :** | | | | | | | | |

**(4 of7)**

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

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Length of Straight Pipes and Fittings** | | | | | | | |
| **Bill No: Item No. & Qty. Sample size:**  **Description of Item : PE Pipes (SS/DF) , Fittings Class : PEa x Length :**  **Tech Spec Clause No: Reference Standard :** | | | | | | | |
| **Sample**  **No** | **Item of testing** | **Physical/Measured**  **Value** | | **Deviation** | **Tolerance**  **Allowed** | **Comply?**  (Yes/No?) | **Remarks** |
| Standard | Measured |
| **1** |  |  |  |  |  |  |  |
| **2** |  |  |  |  |  |  |  |
| **3** |  |  |  |  |  |  |  |
| **4** |  |  |  |  |  |  |  |
| **5** |  |  |  |  |  |  |  |
| **6** |  |  |  |  |  |  |  |
| **7** |  |  |  |  |  |  |  |
| **8** |  |  |  |  |  |  |  |
| **9** |  |  |  |  |  |  |  |
| **10** |  |  |  |  |  |  |  |
| **Inspection & Testing Witnessed by** | | | | | | | |
| **Name** | | | | | | | |
| **Signature Date** | | | | | | | |

**(5 of7)**

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

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Wall Thickness of Pipes & Fittings** | | | | | | | |
| **Bill No: Item No. & Qty. Sample size:**  **Description of Item : PE Pipes , Fittings SDR: PEa x Length :**  **Tech Spec Clause No: Reference Standard** | | | | | | | |
| **Sample**  **No** | **Item of testing** | **Physical/Measured**  **Value** | | **Deviation** | **Tolerance**  **Allowed** | **Comply?**  (Yes/No?) | **Remarks** |
| Standard | Measured |
| **1** |  |  |  |  |  |  |  |
| **2** |  |  |  |  |  |  |  |
| **3** |  |  |  |  |  |  |  |
| **4** |  |  |  |  |  |  |  |
| **5** |  |  |  |  |  |  |  |
| **6** |  |  |  |  |  |  |  |
| **7** |  |  |  |  |  |  |  |
| **8** |  |  |  |  |  |  |  |
| **9** |  |  |  |  |  |  |  |
| **10** |  |  |  |  |  |  |  |
| **Inspection & Testing Witnessed by** | | | | | | | |
| **Name** | | | | | | | |
| **Signature Date** | | | | | | | |

**(6 of7)**

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Test Chemical Composition** | | | | | | |
| **Bill No: Item No. & Qty. Sample size:**  **Description of Item : PE Pipes SDR : PEa x Length :**  **Tech Spec Clause No: Reference Standard** | | | | | | |
| **Sample**  **No** | **Item of testing** | **Physical/Measured**  **Value** | **Deviation** | **Tolerance**  **Allowed** | **Comply?** | **Remarks** |
| **1** |  |  |  |  |  |  |
| **2** |  |  |  |  |  |  |
| **3** |  |  |  |  |  |  |
| **4** |  |  |  |  |  |  |
| **5** |  |  |  |  |  |  |
| **6** |  |  |  |  |  |  |
| **7** |  |  |  |  |  |  |
| **8** |  |  |  |  |  |  |
| **9** |  |  |  |  |  |  |
| **10** |  |  |  |  |  |  |
| **Inspection & Testing Witnessed by** | | | | | | |
| **Name** | | | | | | |
| **Signature Date** | | | | | | |

**(7of 7)**

**INSPECTION OF PE PIPES & FITTINGS**

**CHECK LIST**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Technical Specifications  Clause No. | Description | Requirements as per Specifications | Satisfactory/  Unsatisfactory | Remarks |
| HANDLING OF PIPES AND FITTINGS AFTER PRODUCTION | | |  |  |
|  | 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  Handling, Insurance and Freight  Arrangements Satisfactory | | |  |  |

Observations :

Signature 1 Signature 2

Name & Designation 1: Name & Designation 2:

**Appendix 14 A - Confirmation from the DI Fittings Manufacturer to Supply DI Fittings to DI Pipe Manufacturer**

***Note: This is to be typed on a company letter heading***

Chairman,Procurement Committee,

……………………………..,

……………………………...

**Guarantee to Supply of DI pipe fittings to DI pipe manufacturer M/s. ………………………**

**………………………………………………..……*(Name & Address of the Pipe Manufacturer)***

We, …………………………………………………………………………………………………...***(Name & Address of the DI Pipe fittings Manufacturer)*,**the manufacturer of DI pipe fittings hereby guarantee that, DI pipe fittings manufactured at our above factory located at ………...……

…………………………………………….conforming to EN 545/ ISO 2531/ EN 598/ ISO 7186 and ISO 9001:2015 shall be supplied to M/s……………………………………………….. …..……………………………………………………………….…… ***(Name of the DI Pipe Manufacturer)***to be used with ………………………………….*(brand of the pipe)*, pipesmanufactured at the …………………………………………………………………………*.(Office & Address of the Pipe Manufacturer)*

…………………………….

Authorised Signatory Attested by the Attorney at Law

and the Company Seal

…………………………………..

Signature of the Attorney at Law

Name : ………………………………….

In the Capacity of : …………………………………. Seal …………………………………

In the place of …………………….…

……………………………...*(address)*

Witnesses :

1 Signature : ……………………………………………………………

Name : ……………………………………………………………

Capacity : ……………………………………………………………

Address : ……………………………………………………………

2 Signature : ……………………………………………………………

Name : ……………………………………………………………

Capacity : ……………………………………………………………

Address : ……………………………………………………………

**APPENDIX 14 B - Confirmation from the Rubber Rings Manufacturer to Supply Rubber Rings to DI Pipe Manufacturer**

Revised on 25-10-2018

Revised on 25-11-2016

***Note: This is to be typed on a company letter heading***

Chairman, Procurement Committee,

……………………………..,

……………………………...

**Guarantee to Supply of Rubber Rings to DI pipe manufacturer M/s. …………………………**

**………………………………………………….……*(Name & Address of the Pipe Manufacturer)***

We, …………………………………………………………………………………………...***(Name & Address of the Rubber Rings Manufacturer)*,**the manufacturer of Rubber Rings hereby guarantee that, Rubber Rings manufactured at our above factory located at ………...……………...

………………………………………………conforming to EN 681-1/ ISO 4633 and ISO9001:2015 shall be supplied to M/s. …..……………………………………………………….

…………………………………… ***(Name of the DI Pipe Manufacturer)*** to be used with ……………………*(Trade name of pipes)*pipesmanufactured at the ……………………...……………….

…………………………………………………………………………….*(Office & Address of the DI pipe manufacturer)*and …………………………… *(Trade name of DI fittings)* DI pipefittings manufactured at the.........................................………………………………………………………. ………………………………………(*Office & Address of the DI pipe fittings manufacturer).*

…………………………….

Authorised Signatory Attested by the Attorney at Law

and the Company Seal

…………………………………..

Signature of the Attorney at Law

Name : ………………………………….

In the Capacity of : …………………………………. Seal …………………………………

In the place of …………………….…

……………………………...*(address)*

Witnesses :

1 Signature : ……………………………………………………………

Name : ……………………………………………………………

Capacity : ……………………………………………………………

Address : ……………………………………………………………

2 Signature : ……………………………………………………………

Name : ……………………………………………………………

Capacity : ……………………………………………………………

Address : ……………………………………………………………

Revised on 25-10-2018

**APPENDIX 15A - LOCAL ACCREDITED AGENT’S Confirmation of**

**Supply OF di PIPE FITTINGS & SPECIALS according to WORK PROGRAMME.**

***Note: This is to be typed on a company letter heading***

[Address of the Local Accredited Agent]

…………………………………………..

………………………………………….

………………………………………….

Chairman,Procurement Committee,

……………………………..,

……………………………...

# Bid for ……………………………… Water Supply Scheme

**Contract No…………………………………….**

We, ……….…………………………………………………………………………[*name of the Local Accredited Agent*] of ……………………………………………………… …………………………………………….……………………………………………………………….…….*(address of the Local Accredited Agent)* confirm that we will Supply & Deliver DI Pipe Fittings and Specials submitted in this bid to the bidder M/s. ……………………………………………………………………………………………………………………………………………………….*(Name& Address of the bidder)* according to the work programme of the bidder, included in the bid.

…………………………….

Authorised Signatory Attested by the Attorney at Law

and the Company Seal

…………………………………..

Signature of the Attorney at Law

Name : ………..……………………………….

In the Capacity of :……………………………… Seal ……………………………

In the place of …………………….…

……………………………...*(address)*

Witnesses :

1 Signature : ……………………………………………………………

Name : ……………………………………………………………

Capacity : ……………………………………………………………

Address : ……………………………………………………………

2 Signature : ……………………………………………………………

Name : ……………………………………………………………

Capacity : ……………………………………………………………

Address : ……………………………………………………………

**APPENDIX 15B - LOCAL ACCREDITED AGENT’SConfirmation of**

Revised on 15-05-2018

**Supply OF pe PIPES & FITTINGS according to WORK PROGRAMME.**

***Note: This is to be typed on a company letter heading***

[Address of the Local Accredited Agent]

…………………………………………..

………………………………………….

………………………………………….

Chairman,Procurement Committee,

……………………………..,

……………………………...

# Bid for……………………….……… Water Supply Scheme

**Contract No…………………………………….**

We, ………..………………………………………………………………………[*name of the Local Accredited Agent*] of ………………………………………………………. ………………………………………………………………….……………………………………………………….…….*[address of the Local Accredited Agent],* confirm that we will Supply & Deliver PE Pipes& Fittings submitted in this bid to the bidder M/s. ……………………………………………………………………..*(Name of the bidder)* according to the work programme of this bidder included in the bid.

…………………………….

Authorized Signatory Attested by the Attorney at Law

and the Company Seal

…………………………………..

Signature of the Attorney at Law

Name : ……………….………………………….

In the Capacity of :………………………………….

Seal …………………………………

In the place of …………………….…

……………………………...*(address)*

Witnesses :

1 Signature : ……………………………………………………………

Name : ……………………………………………………………

Capacity : ……………………………………………………………

Address : ……………………………………………………………

2 Signature : ……………………………………………………………

Name : ……………………………………………………………

Capacity : ……………………………………………………………

Address : ……………………………………………………………

Revised on 15-05-2018

**APPENDIX 15C - LOCAL ACCREDITED AGENT’SConfirmation of**

**Supply OF DI VALVES according to WORK PROGRAMME.**

***Note: This is to be typed on a company letter heading***

[Address of the Local Accredited Agent]

…………………………………………..

………………………………………….

………………………………………….

Chairman,Procurement Committee,

……………………………..,

……………………………...

# Bid for……………………….……… Water Supply Scheme

**Contract No…………………………………….**

We, ………..………………………………………………………………………[*name of the Local Accredited Agent*] of ………………………………………………………. ………………………………………………………………….……………………………………………………….…….*[address of the Local Accredited Agent],* confirm that we will Supply & Deliver DI Valves submitted in this bid to the bidder M/s. ……………………………………………………………………..*(Name of the bidder)* according to the work programme of this bidder included in the bid.

…………………………….

Authorized Signatory Attested by the Attorney at Law

and the Company Seal

…………………………………..

Signature of the Attorney at Law

Name : ……………….………………………….

In the Capacity of :………………………………….

Seal …………………………………

In the place of …………………….…

……………………………...*(address)*

Witnesses :

1 Signature : ……………………………………………………………

Name : ……………………………………………………………

Capacity : ……………………………………………………………

Address : ……………………………………………………………

2 Signature : ……………………………………………………………

Name : ……………………………………………………………

Capacity : ……………………………………………………………

Address : ……………………………………………………………

Revised on 27-02-2020

**APPENDIX 16 - Details of Local Accredited Agent**

1.Name of Local Accredited Agent

2. Official Address

3. Details of Local Accredited Agent’s Company

3.1 Names of Directors

3.2 Qualifications of Directors and their experience in business

3.3 Registration with the Registrar of companies

(a). Registration Number

(b). Date of Registration

3.4 Financial Capacity

(Prove with Audit Financial Statements for last 3 years)

3.5 Technical Competence

3.6 Supporting staff

(a) Name :

(b) Qualification:

(c ) Experience

3.7 Office area (m2)

3.8 Stores capacity :

(Indicate the area and location)

3.9 Yard capacity

(Indicate the area and location)

3.10 Past Experience and history of performance

Details of previous supplies to the NWSDB. Copies of the letters of contract

Awards and completion certificates shall be attached.

**APPENDIX 17 – AFFIDAVIT BY THE BIDDER**

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 18 – NWSDB PRE-QUALIFIED MANUFACTURERS AND THEIR PRE-QUALIFIED ITEMS**

**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.

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

* *PVC pipes , fittings & rubber rings*
* *PE pipes & fittings*
* *DI pipes , fittings & rubber rings*
* *DI Valves*
* *DI Manhole covers*
* *DI Couplings, Flange Adaptors, Stepped Couplings and Dismantling joints for DI. Asbestos, GRP, PE & PVC Connection*

Revised on 01-10-2015

Revised on 25-02-2020

Revised on 12-08-2016

**APPENDIX 19 – ENTITLED ALLOWANCES ON FOREIGN TRAVELS &**

**RELATED EXPENSES**



Revised on 25-10-2018