

REVISED ON 20-02-2018

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

MINISTRY OF CITY PLANNING AND WATER SUPPLY

NATIONAL WATER SUPPLY AND DRAINAGE BOARD

..... **WATER SUPPLY SCHEME**

TENDER FOR
(BUILDING & CIVIL - MINOR WORK CONTRACTS)

CONTRACT No.:

REVISED ON 20-02-2018

NATIONAL WATER SUPPLY AND DRAINAGE BOARD

GALLE ROAD,

RATMALANA.

.....
MONTH & YEAR

DOCUMENT ISSUANCE CERTIFICATE

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

1. STANDARD DOCUMENT REFERENCE NUMBER : NWSDB/SBD/CIVIL-MINOR /Ver 3
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 :

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Volume - 1 of this document is the Volume – 1 of Standard Bidding Document, Procurement of Works, ICTAD publication No. ICTAD/SBD/03 Second Edition – January 2007 with Addendum No 1 issued in January 2009

Volume 1 includes following sections.

- Section 1 - Instructions to Bidders
- Section 2 - Specimen Forms (Contract) are not used – Refer Section 12 of Volume II
- Section 3 - Conditions of Contract

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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	
Form of Bid		
Addressed to the Employer?	18	
Completed?	18	
Signed?	18	
Bid Security		
Addressed to the Employer?	16	
Format as required?	16	
Issuing Agency as specified?	16	
Validity as mentioned in the schedule	16	
Qualification Information		
All relevant information completed?	4	
Signed?	4	
Addendum		
Contents of the addendum (if any) taken in to account?	10	
BID package		
All the documents given in ITB Clause 12 Enclosed in the original and copy?	12	
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Copy of VAT registration certificate	13.3	
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VOLUME 1

Standard Bidding Document, Procurement of works ICTAD/SBD/03 Second Edition, - January 2007 (with addendum No 1 issued in January 2009) Published by Construction of Industry Development Authority (CIDA) is applicable in respect of this contract. Any changes to these clauses in the Instructions to Bidders & Conditions of Contracts are indicated in Schedules in Section 5 respectively.

ICTAD/SBD/03 Second Edition – January 2007 with Addendum No. 01 is not provided with this Bidding document, and it is available for purchasing at CIDA, Wejerama Mawatha, Colombo 7.

VOLUME 2

INVITATION FOR BIDS

**THE GOVERNMENT OF THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF CITY PLANNING AND WATER SUPPLY
NATIONAL WATER SUPPLY AND DRAINAGE BOARD**

CONTRACT No.:

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

Bid For

INVITATION FOR BIDS (IFB)

- 1 The Chairman, Regional Procurement Committee(.....), 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.
- 2 Bidding will be conducted through National Competitive Bidding Procedure.
- 3 Alternative Bids shall not be accepted.
- 4 To be eligible for contract award, the successful bidder shall not have been blacklisted and shall have Registration with CIDA in the field ofin Grade or above at the time of the submission of the bid.
- 5 The estimated cost for this Bid is Rs..... Million without VAT and the construction period is Days
- 6 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
- 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 and the certificate of Registration of the Bidder as per the Act No. 3 of 1987 with the Registrar of Public Contract to the.....
.....from until09:00 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 beforehrs onLate 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

THE GOVERNMENT OF THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF CITY PLANNING AND WATER SUPPLY
NATIONAL WATER SUPPLY AND DRAINAGE BOARD

CONTRACT No.:

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

Bid For

INVITATION FOR BIDS (IFB)

- 1 The Chairman, Project Procurement Committee(.....), National Water Supply and Drainage Board (NWSDB),.....
.....[Insert relevant 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.
- 2 Bidding will be conducted through National Competitive Bidding Procedure.
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8. Bids shall be delivered in duplicate to the
.....at on or beforehrs onLate 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

4. FORM OF BID

**THE GOVERNMENT OF THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF CITY PLANNING AND WATER SUPPLY
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/03 - Second Edition, January 2007] and Volume II including Procurement of Works –Minor Contracts, Schedule, Conditions of Contract, Specifications, Drawings and Bills of Quantities and Addenda for the execution of the above-named Works, we /I the undersigned, offer to execute and complete such Works and remedy any defect therein in conformity with the aforesaid Volume I and Volume II including Conditions of Contract, Schedule, 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/I acknowledge that the Schedule forms part of our Bid.
3. We/I undertake, if our Bid is accepted, to commence the Works as stipulated in the Schedule, and to complete the whole of the Works comprised in the Contract within the time stated in schedules.
4. We/I agree to abide by this Bid for the period stated in the Sub clause 15 of Instructions to Bidders 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/me.
6. We/I 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
.....

**THE GOVERNMENT OF THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF CITY PLANNING AND WATER SUPPLY
NATIONAL WATER SUPPLY AND DRAINAGE BOARD**

Bid For

CONTRACT No.:

FORM OF BID

To: The Chairman,
Project Procurement Committee
National Water Supply & Drainage Board

.....
.....[Insert Relevant address]

Gentleman,

1. Having examined the Bidding Document Volume I [ICTAD/SBD/03 - Second Edition, January 2007] and Volume II including Procurement of Works –Minor Contracts, Schedule, Conditions of Contract, Specifications, Drawings and Bills of Quantities and Addenda for the execution of the above-named Works, we /I the undersigned, offer to execute and complete such Works and remedy any defect therein in conformity with the aforesaid Volume I and Volume II including Conditions of Contract, Schedule, 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/I acknowledge that the Schedule forms part of our Bid.
3. We/I undertake, if our Bid is accepted, to commence the Works as stipulated in the Schedule, and to complete the whole of the Works comprised in the Contract within the time stated in schedules.
4. We/I agree to abide by this Bid for the period stated in the Sub clause 15 of Instructions to Bidders 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/me.
6. We/I 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
.....

QUALIFICATION INFORMATION

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

CIDA Registration	
Registration number	<i>(attach copies of relevant pages from the registration book)</i>
Grade	
Speciality	
Expiry Date	
QUALIFICATIONS <i>(Details should be submitted as per ITB Clause No.4).</i>	
Blacklisted Contractors	
Have you been declared as a defaulted contractor by NPA or any other Agency?	
IF yes provide details	
VAT Registration Number	
Construction Program	<i>(attach as annex) – Appendix 5</i>
Legal status	<i>(attach relevant status copies, as annex)</i>
Value of similar works completed in last 5 years (indicate only the three largest projects)	Complete details in Appendix 1A 1. Value _____ Year..... 2. Value _____ Year..... 3. Value _____ Year..... 4. Value _____ Year..... 5. Value _____ Year..... <i>(attach copies of Certificate of Completion etc. as annex)</i>
Value of Construction works performed in last 5 years	<i>(attach copies of Certificate of Completion etc. and other documents such as profit-loss and income expenditure statement)</i>
Year	Complete details in Appendix 1B
Year	
Year	
Year	
Year	
Major items of construction equipment proposed	Complete details in Appendix 3
Qualification and experience of staff – Site	Complete details in Appendix 2
Financial Capabilities	<i>(attach copies of certified financial statements of last 3 years and bank balance (Complete details in Appendix 4.)</i>
Other information requested under ITB Clause 4.3	Any other details in support of the bid.

5. BIDDING DATA & 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 is 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.)

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.)

Bidding Data & Contract Data

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

ITB Clause	Conditions of Contract Clause	Item	Data
1.	1.1.8	Employer is :	Name : National Water Supply & Drainage Board Address: Galle Road, Ratmalana
		Authorized Representative	The Chairman, National Water Supply & Drainage Board
	1.1.10	Engineer is:	Name : General Manager Address: NWSDB, Galle Road, Ratmalana
		Engineer's Representative	Add to Cl 1.1.10 of CC Engineer's Representative The Engineer's Representative means a person appointed from time to time by the Engineer .The Engineer's Representative shall be appointed by and be responsible to the Engineer and shall carry out such duties and exercise such authority as may be delegated to him by the Engineer. The Engineer may delegate any of his duties and responsibilities to Engineer's Representative or others, except to the Adjudicator, after notifying the contractor , and may cancel any delegation after notifying the contractor.
	1.1.10	Engineer's Representative	[Fill the name and Address of Relevant DGM at Head Office or RSC/AGM of relevant RSC or Province]
	1.1.14	Intended Completion Date	Intended Completion Date is Days from the Start Date
	1.5	Communication	Official Language is English and[Specify Tamil or Sinhala – depending on the locality]
1 & 13	1.1.21	Summary of Works	The Works consists of: <i>[mention the works to be done in detail]</i> Located at Contract Name Contract Number
2.		Source of Funds	The source of funds is <i>[Insert name of the funding Source eg. for Capital Budget GOSL, for Board funds – NWSDB funds/O&M, etc.]</i>

ITB Clause	Conditions of Contract Clause	Item	Data
4.		Eligibility	<p>The registration required</p> <p>Specialty Grade <i>[shall be stated same as in Invitation for Bids]</i></p> <p><i>[Required Grade shall be included in M and C categorizations]</i></p>
		Qualifications	<p>The Following information shall be provided in section 4 – Form of Bid and Qualification Information</p> <p>Experience in the construction of at least one contract of a nature and complexity equivalent to the Works over the last 5 years <i>(to comply with this requirement, works cited should be at least 70 percent completed)</i>; _____</p> <p><i>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)</i></p> <p><i>For Reservoirs – above 450 m³ capacity – minimum of 450 m³ capacity reservoir below 450 m³ capacity – same capacity reservoir</i></p> <p>“Laying” means Laying of Pipes according to the Specifications, testing, backfilling, compaction, cleaning disinfection and handing over.</p> <p>Average of the annual volume of construction work performed in the last three years shall be at least _____</p> <p>(i) <i>If contract period is less than one year, the value of the Engineers estimate,</i></p> <p>(ii) <i>If contract period is more than one year, 1.5 times annual value of the proposed work *1</i></p> <p><i>*1 Annual Value of proposed work,</i></p> $= \frac{12 \times \text{Engineer's estimate}}{\text{Contract duration in months}}$

ITB Clause	Conditions of Contract Clause	Item	Data
			<p>and Financial capability shall be</p> <p>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</p> <p>*1 Working Capital = Current Assets – Current Liabilities *2 A letter to prove the credit facilities by a Bank shall be issued 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</p> <p>Documentary evidence to justify shall be submitted</p> <p>And</p> <p>CIDA Registration Authorization to sign the bid on behalf of the Bidder VAT Registration number Construction Programme – Appendix 5 Legal Status (Type of company) Experience in works of a similar nature -Appendix 1A Major Construction equipment proposed- Appendix3A, 3B Qualification & experience of Key Technical Staff– Appendix 2 Bidders financial statement for last 3 years (Appendix 4) Any other (specify)</p>
7		Site Visit	<p>Contact person for site visit is</p> <p>Name</p> <p>Designation</p> <p>Address</p> <p>Telephone No Fax No</p>

ITB Clause	Conditions of Contract Clause	Item	Data
8		Content of Bidding Document	<p>Delete the Section 2 of Volume 1</p> <p>Delete the content of the Volume 2 and substitute with the following</p> <p style="padding-left: 40px;">Volume 2 Consists of</p> <p style="padding-left: 40px;">Invitation For Bidders</p> <p style="padding-left: 40px;">Section 4 Form of Bid & Qualification Information</p> <p style="padding-left: 40px;">Section 5 Schedules (Bidding Data & Contract Data)</p> <p style="padding-left: 40px;">Section 6 Specifications (Specifications included in this Contract document and supersedes the CIDA Specification)</p> <p style="padding-left: 40px;">Section 7 Schedule of Particulars</p> <p style="padding-left: 40px;">Section 8 Deviation from Specifications</p> <p style="padding-left: 40px;">Section 9 Schedule of Dayworks</p> <p style="padding-left: 40px;">Section 10 List of Drawings</p> <p style="padding-left: 40px;">Section 11 Bills of Quantities</p> <p style="padding-left: 40px;">Section 12 Specimen Forms</p> <p style="padding-left: 40px;">Section 13 Appendices</p> <p style="padding-left: 40px;">Section 14 Any other document</p>
12		Document Comprising the Bid	<p>Delete the content in the clause and substitute with the following</p> <p>The bid submitted by the bidder shall comprise the following.</p> <p>(A) Enclosed in the envelope marked as “ Original”</p> <p>(a) duly completed Volume 2 of the bidding document as specified in the ITB Cl 8</p> <p>(b) Bid security</p> <p>(c) any other information requested in Schedules</p> <p>(B) Enclosed in the envelope marked as “ Copy”</p> <p>(a) duly completed Volume 2 of the bidding document as specified in the ITB Cl 8</p> <p>(b) any other information requested in Schedules</p>
	2.3	Engineer’s Instructions	<p>Add following clauses to the Cl 2.3 of CC</p> <p>The Engineer shall during the progress of the Works have power to order in writing from time to time.</p> <p>(a) 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.</p> <p>(b) the substitution of proper and suitable materials and</p>

ITB Clause	Conditions of Contract Clause	Item	Data
			(c) 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
	3.0	The Engineer	Add following sub clauses
	3.2		<p>3.2 Duties and Powers of Engineer's Representative</p> <p>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.</p> <p>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;</p> <p>(a) 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.</p> <p>(b) 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.</p> <p>(c) The Engineer's Representative shall prepare all details on variations that arise and require approval for their execution as defined in clause 9 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</p>

ITB Clause	Conditions of Contract Clause	Item	Data
	4.1	General obligations	<p>Add Following Sub Clauses</p> <p>4.1.1 Engagement of Labour</p> <p>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.</p> <p>The Contractor shall where possible employ skilled and semi skilled labour possessing National Certificate of Trade Tests issued by the National Apprentice & Industrial Training Authority.</p> <p>4.1.2 Supply of Water</p> <p>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.</p> <p>4.1.3 Alcoholic Liquor or drugs</p> <p>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.</p> <p>4.1.4 Arms and Ammunition</p> <p>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.</p> <p>4.1.5 Festivals and Religious Customs</p> <p>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</p> <p>.</p>

ITB Clause	Conditions of Contract Clause	Item	Data
		4.1.6	<p>Disorderly Conduct etc.</p> <p>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.</p>
		4.1.7	<p>Other Conditions Affecting Labour and Wages.</p> <p>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 Employees Trust Fund Act No. 46 of 1980 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.</p>
		4.1.8	<p>Sanitation Facilities</p> <p>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.</p>
		4.1.9	<p>Clearance of Site on Completion</p> <p>(a) 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</p>
		4.1.10	<p>Contractor's Superintendence</p> <p>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</p>

ITB
Clause

Conditions
of Contract
Clause

Item

Data

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 3.2 hereof, the Engineer's Representative

4.1.11 Contractor's Employees

The Contractor shall provide and employ on the Site in connection with the execution and maintenance of the works -

- (a) 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

4.1.12 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.

ITB Clause	Conditions of Contract Clause	Item	Data
			<p>4.1.13 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 5 hereof.</p> <p>4.1.14 Safety Staff and Labour The Contractor shall:</p> <ul style="list-style-type: none"> (a) comply with all applicable safety regulations; (b) take care for the safety of all persons entitled to be on the Site; <p>Due precautions shall be taken by the Contractor, and at his own cost, to ensure the safety of his staff and labour and Engineer's staff and labourers assigned for the works.</p> <p>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</p>
12.		Documents comprising the submission of Bid	Any other information
13.1		Bid Prices	If a Bidder has given a discount of his bid price, the discount shall be distributed to each and every item excluding provisional sums 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.
15.1		Bid Validity Period	The bid shall be valid for days from the date closing of bids as specified in the IFB
16		Bid Security	<p>Bid shall include a Bid Security:</p> <ul style="list-style-type: none"> • for an amount • Valid until[give a date] <p><i>[Should be a date 28 Days beyond the validity of the Bid as specified in the IFB]</i></p> <p>And issued by an agency stipulated below using the Form for Bid security (unconditional guarantee) included in Section 12, Standard Forms.</p> <p>(a) A 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).</p>

ITB Clause	Conditions of Contract Clause	Item	Data
			<p>(b) A certified cheque issued by a Bank operating in Sri Lanka in favour of National Water Supply and Drainage Board</p> <p>(d) Certified cheque issued by a Bank operating in Sri Lanka in favour of National water Supply And Drainage Board.</p>
20			The deadline for submission of Bids shall be as specified in the IFB.
31.	4.4	Performance Security	<p>Amount of Performance Security required is 5 % of the Initial Contract Price.</p> <p>The form acceptable is attached in the bidding document in section 12</p> <p>The guarantee shall be accepted from the following agencies /forms</p> <ul style="list-style-type: none"> (a) A Bank operating in Sri Lanka, approved by the Central bank of Sri Lanka (c) A Sri Lanka rupee cash deposit to the National Water Supply and Drainage Board. (b) A Certified cheque issued by a Bank operating in Sri Lanka in favour of National Water Supply and Drainage Board (d) Certified cheque issued by a Bank operating in Sri Lanka in favour of National water Supply And Drainage Board.
	6.2	Programme	<p>The Contractor shall submit a programme for the Works within 07 Days of delivery of the Letter of Acceptance.</p> <p>The period between Programme update is once a month</p>

ITB Clause	Conditions of Contract Clause	Item	Data
			<p>Add following sub clause</p> <p>6.2.1 No night or Sunday work</p> <p>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 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.</p> <p>6.2.2 Rate of Progress</p> <p>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</p>
		6.2.3	Progress meeting shall be held at least once a month
		6.4	Late Completion
		7.1	Completion
		7.2	
		8.1	Notification of Defects
			<p>The amount to be paid is Rs..... per Day, subjected to maximum of 10% of Initial Contract Price.</p> <p>Upon completion of the Defects Liability Period the contractor shall request the Engineer to issue a Final Certificate and the Engineer shall issue the Final Certificate upon being satisfied that the Contractor has rectified the Defects.</p> <p>The Engineer shall issue Completion Certificate (Taking over) when take over the site and the works.</p> <p>The period for Defect Notification is 365 Days from Taking Over.</p>

ITB Clause	Conditions of Contract Clause	Item	Data
	8.1	Remedying Defects	<p data-bbox="746 293 1075 322">Add Following Sub clauses</p> <p data-bbox="746 360 1522 427">8.1.1 Completion of outstanding works and remedying defects</p> <p data-bbox="746 472 1522 987">To the intent that the Works shall at or as soon as practicable after the expiration of the Defect Liability Period be delivered to the Employer in the Condition required by the Contract, fair wear and tear excepted to the satisfaction of the Engineer, the Contractor shall finish the work, if any, outstanding at the date of completion, as certified under Clause. 7 hereof as soon as practicable after such date and shall execute all such work of repair, amendment, reconstruction, rectification, and making good defects, imperfections, shrinkages or other faults as may be required of the Contractor in writing by the Engineer during the Defect Liability Period, or within fourteen days after its expiration, as a result of an inspection made by or on behalf of the Engineer prior to its expiration</p>
			<p data-bbox="746 1025 1362 1055">8.1.2 Cost of Execution of Work of Repair etc.</p> <p data-bbox="746 1099 1522 1429">All such work shall be carried out by the Contractor at his own expense, 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 were additional work</p>
	9.2		<p data-bbox="746 1467 1091 1496">Add Following sub Clause</p> <p data-bbox="746 1541 1522 1906">9.2.1 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.</p>

ITB Clause	Conditions of Contract Clause	Item	Data
9.6	9.6	Dayworks	<p>9.6.1 If applicable, the Dayworks rates in the Contractor's Bid shall be used for small additional amounts of work only when Engineer has given written instructions in advance for additional work to be paid for in that way.</p> <p>9.6.2 All work to be paid for as Dayworks shall be recorded by the Contractor on forms approved by the Engineer. Each completed form shall be verified and signed by the Engineer within two days of the work being done.</p> <p>9.6.3 The Contractor shall be paid for Dayworks subject signed Dayworks forms.</p>
10.1	10.1	Monthly Statement	<p>Add Following sub clauses</p> <p>10.1.1 Quantities</p> <p>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 fulfillment of his obligations under the Contract. Quantities are taken in accordance with the Civil Engineering Standard Method of Measurements (CESMM 3) and SLS 573 :2013.</p> <p>10.1.2 Method of Measurement</p> <p>The Works shall be measured net, except where otherwise specially described or prescribed in the Contract.</p> <p>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.</p>
10.2	10.2	Valuation of the works	<p>Add Sub Clause 10.2.1 Payment certificates</p> <p>Add Sub Clause</p> <p>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 contractor prior to certifying any payment certificate.</p>

ITB Clause	Conditions of Contract Clause	Item	Data
	10.3	Interim Payment	<p>Add to Clause 10.3</p> <p>The amount of retention is 10 % of certified value of work done.</p> <p>The maximum amount of retention is 5. % of Initial Contract Price.</p>
13.	10.10	Price Adjustment	<p>The Contract Price is subject to price adjustment in accordance with Sub-Clause 10.10 of the Conditions of Contract, if the Intended Completion Date from the Start Date exceeds 3 months.</p> <p>The price adjustment shall be computed in accordance with Option A under Sub-Clause 10.10.</p> <p>Non adjustable element are given in Appendix A</p> <p>Weightings of Inputs are given in Appendix A</p>
	10.12	Advance Payment	<p>An Advance Payment of maximum of 20 % of the Initial Contract Price excluding provisional sums and contingencies shall be paid on submission of unconditional Bank guarantee for Advance payment issued by a recognized Bank operating in Sri Lanka, approved by the Central Bank of Sri Lanka in the Form for Advance payment Security included in Section 12 - Standard Forms and the Performance Guarantee as specified in the Bidding Document.</p> <p>The Advance payment shall be repaid by way of from the interim certificates commencing with the next certificate issued after the total value of the permanent works and any other items in the Bill of Quantities , (excluding the deduction of retention) exceeding 30 % of the sum stated in the Letter of Acceptance.</p> <p>Upon the recovery of the advance payment in full the Employer shall return the original of the advance payment guarantee to the Contractor.</p> <p>Advance payment Guarantee shall be obtained at the contractor's cost.</p>

ITB Clause	Conditions of Contract Clause	Item	Data
	12.1	Contractor's Risk	<p>Add clause 12.2.1 Patent Rights and Royalties</p> <p>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 machine 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</p>
	13.1	Insurance Third Party	<p>Minimum amount of third party insurance is Rs 1,000,000 per event, number of events are unlimited.</p> <p>Add to the clause 13</p>
		Insurance for Contractor's/ Employer's Personnel	<p>Minimum amount for contractor's/ Employer's Personnel is Rs 1,000,000 per event , number of events are unlimited</p>
30.1		Award and Signing of Agreement	<p>If a Bidder has given a discount of his bid price, the discount shall be distributed to each and every item excluding provisional sums 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.</p>
33.	1.1.11	Adjudicator	<p>Adjudicator shall be appointed when necessity arises</p>
	14.0	Resolution of Disputes	<p>Fees and types of reimbursable expenses to be paid to the Adjudicator shall be on a case to case basis and shall be shared by the Contractor and the Employer.</p>
	15	Discoveries	<p>Add this new Clause 15 as follows</p> <p>Contractor shall protect in proper and safe manner all such discoveries and keep them in safe custody until the Engineers instructions are received.</p>

ITB Clause	Conditions of Contract Clause	Item	Data
16	16	Day Work	<p>Add this new Clause 16 as follows</p> <p>The Contractor shall be paid for such work under the conditions set out in the Daywork Schedule included in the Contract and at the rates and prices affixed.</p> <p>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.</p> <p>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</p>
17	17	Completion	<p>Add this new Clause 17 as follows</p> <p>Engineer shall provide in writing to the contractor specifying all the works or defects which in the engineer's opinion, requires to be done by the contractor before issuing of certificates as mentioned in the sub clause 8.1. 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</p>
18	18	Taxation	<p>Add this new Clause 18 as follows</p> <p>18.1 Giving of Notice and Payment of Fees.</p> <p>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</p>

18.2 Compliance with statutes, Regulations etc.

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.

18.3 Local Taxation and Income Tax

(a) The prices bid by the Contractor should 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 bid. 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.

(b) 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.

(c) 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.

18.4 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

ITB Clause	Conditions of Contract Clause	Item	Data
			shall perform such duties in regard to such deductions thereof as may be imposed on him by such laws and regulations
19	Employer's Liabilities	Employer's Liabilities	<p>Add following Sub Clause 19 as follows.</p> <p>19.1 Cessation of Employer's Liability</p> <p>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.</p> <p>19.2 Unfulfilled Obligations</p> <p>Notwithstanding the issue of the Final Certificate, the Contractor and subject to sub clause 19.1, 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.</p>
20	Miscellaneous	Miscellaneous	<p>20.1 Employees Trust Funds</p> <p>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 Government of Sri Lanka.</p> <p>20.2 Bribes</p> <p>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 11.1 hereof shall apply as if such entry and termination had been made pursuant to that Clause.</p>

Appendix A for Schedule

10.10. Input Percentages for Major Items

With reference to Sub – clause 10.10 of the conditions of Contract, the “input percentages’ for major items are

Input Name	Input Percentage
Total	

Non Adjustable Elements

With reference to sub clause 10.10 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 Pipes, Fittings and Specials.

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

6. SPECIFICATIONS

- SPECIFICATIONS FOR CIVIL ENGINEERING CONSTRUCTION 6a-1
- SPECIFICATIONS FOR SERVICE CONNECTION 6c-1 6c-4
- SPECIFICATIONS FOR TRENCH EXCAVATION, BACKFILLING & ROAD REINSTATEMENT 6d-1 6d-18
- SPECIFICATION FOR TIMBER 6g-1 6g-2
- SPECIFICATION FOR DI PIPES AND FITTINGS FOR WATER SUPPLY APPLICATIONS 6h-1 6h-15
- SPECIFICATIONS FOR uPVC PIPES & FITTINGS 6i-1 6i-20
- SPECIFICATIONS FOR POLYETHYLENE (PE) PIPES & FITTINGS FOR WATER SUPPLY APPLICATIONS 6j-1 6j-31
- SPECIFICATION FOR STEEL PIPES AND FITTINGS 6k-1 6k-16
- SPECIFICATION FOR GALVANIZED IRON PIPES AND FITTINGS 6l-1 6l-7
- SPECIFICATION FOR VALVES, HYDRANTS, SURFACE BOXES & MANHOLE COVERS FOR WATER SUPPLY APPLICATIONS 6m-1 6m-27
- SPECIFICATION FOR MECHANICAL COUPLINGS, REPAIR CLAMPS & FLANGE ADAPTORS 6n-1 6n-44
- SPECIFICATION FOR FLOW METERS & WASTE METERS 6u-1 6u-5
- SPECIFICATION FOR PENSTOCKS & HEADSTOCKS 6w-1 6w-4
- SPECIFICATION FOR DI PIPES & FITTINGS AND SPECIALS FOR SEWERAGE APPLICATIONS 6bb-1 6bb-15

- SPECIFICATIONS FOR PIPELINE MAKER TAPE 6bc-1 6bc-2
- SPECIFICATION FOR POLYETHYLENE (PE) PIPES, FITTINGS, SPECIALS & ACCESSORIES FOR DRAINAGE & SEWERAGE APPLICATIONS 6bd-1 6bd-34
- SPECIFICATION FOR MASTIC MATERIALS 6bj-1 6bj-2
- SPECIFICATION FOR PRESSURE TESTING OF DI, CI & PVC PIPE LINES 6bk-1 6bk-3

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 9001:2008/2015 Quality Management System Certification, together with the offer.

1. PVC pipes and Fittings
2. Ductile Iron pipes and fittings
3. PE pipes & fittings
4. Mechanical Couplings and Flange Adaptors
5. Surface Boxes and Manhole Covers
6. Galvanized Iron pipes and fittings
7. Valves & Accessories

SCHEDULE OF PARTICULARS

1. P.V.C. 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?

1.3 Whether fittings (except bends) provided are:

a) Moulded

b) Fabricated

1.4 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 :

<u>Pipe Dia</u>	Quantity of solvent cement required per joint
15 mm
.....
.....
63 mm
.....

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

1.7.1 Joint Rings for mechanical joints :

Material :

Class :
 Standard to which it conforms :

1.7.2 Make of Lubricant for mechanical joints for safety in water supply :
 To confirm whether it complies :

Quantity of lubricant required per joint

<u>Pipe Dia</u>	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 9001:2008 /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 :

<u>Pipe Dia</u>	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 :

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 9001:2008 /2015 Quality Management System Standard
Is certificate of relevant Standard Institutions Provided:

2. DUCTILE IRON PIPES AND FITTINGS

2.1 Country of manufacture: (1) Pipes
(2) Fittings

2.2 Manufacturers' name and Address: (1) Pipes
.....
(2) Fittings

2.3 Standards to which pipes and fittings conform: (1) Pipes
(2) Fittings

2.4 Is Certificate for conformity to standards from relevant standards Institution provided to the factory/factories : (1) Pipes
(2) Fittings

2.5 Is ISO 9001:2008/2015 Quality Management System Certificate provided to the factory/factories : (1) Pipes
(2) Fittings

2.6 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

2.7 Whether factory welded flange pipes tested for each flanged joint?

2.8 Whether Pipes & Fittings are from same Manufacturer ?.....

2.9 Gaskets, Joint rings and Lubricant :

2.9.1 Standard to which Gaskets, Joint rings conforms:

2.9.2 Is Certificate for conformity to standards from relevant standards Institution provided to the factory/factories :

2.9.3 Is ISO 9001:2008 /2015 Quality Management System Certificate provided to the factory/factories :

2.10 Make of Gaskets, Joint rings and Lubricant :

	Make
Gaskets
Joint rings
Lubricant

2.11 Material of Gaskets, Joint rings and Lubricant :

Gaskets
Joint rings

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Lubricant

2.12. Hardness range of Gaskets and Joint Rings

Hardness Range (1RHD)

Gaskets

Joint Rings

2.13 Standard to which Flanges conform :

2.14 Whether Flanges are integrally casted or Factory welded ?

2.15 Type of external coating and grade :

2.16 Standard to which external coating conform:

2.17 Type of internal coating/lining and standard:

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

Standard

Material

2.19. Standard to which polyethylene sleeving conform and the colour

Standard

Colour

2.20 Quantity of joint protection materials required per flanged joint as per manufacturer's recommendation

Diameter (mm)	Mastic /Primer (litres)	Paste (kg)	Tape (m)	uPVC/Polyethylene outer wrapping (m)
150
200

-
-
- 2.21 Port of shipment :
- 2.22 Packing and protection in transit :
- 2.23 Time of delivery:
- 2.24 Reference of the catalogues, technical literature, drawing provided with the Bid:
- 2.25 Name and address of the Supplier's accredited agent in Sri Lanka:
- 2.26 Deviations from specifications (if any):

3.0 PE PIPES AND FITTINGS

3.1 Country of Manufacture:

Pipes:

Fittings:

3.2 Manufacturer's Address and the intended Date of Manufacture:

	<u>Address</u>	<u>Intended Date of Manufacture</u>
Pipes:
Fittings:

3.3 Colour of the product :

Pipes:

Fittings:

3.4 Port of Shipment :

3.5 Standards to which pipes and fittings conform:

Pipes:

Fittings:

- 3.6 Is Certificate of product comtorioity from a relevant standards Institution provided :
 Pipes (attach a copy)
 Fittings (attach a copy)

3.7 Nominal sizes and pressure ratings of Pipes & Fittings:

	<u>Nominal Dia</u>	<u>Pressure Rating</u>	<u>SDR</u>
Pipes:
Fittings:

3.8 Make of compression fittings, Gaskets/ rubber rings, inserts, clamps

	<u>Make/material</u>	<u>Intended Date of Manufacture</u>
Body of Compression fittings
Inserts
Rubber ring/Gasket

3.9 Characteristics of PE compound as granules

- i. Compound Density :
- ii. Carbon black content
(black compound % by mass)
- iii. Carbon black dispersion
(black compound specify the grade range)

3.10 Mechanical characteristics

- i. Hydrostatic strength at 20⁰C
 (a) For pipes
 (b) For fittings
- ii. Hydrostatic strength at 80⁰C
 (a) For pipes
 (b) For fittings

3.11 Packing and protection in transit :

Pipes (specify in detail)
Fittings (specify in detail)

3.12 Time of delivery:

	FOB	At Site
Pipes		
Fittings		

3.13 Reference of the catalogues, technical literature, drawing provided with the tender:

Pipes :

Fittings :

3.14 Name and address of the Supplier's agent in Sri Lanka:
.....
.....
.....

3.15 Whether ISO 9001 : 2008/2015 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

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4. MECHANICAL COUPLINGS AND FLANGE ADAPTERS

4.1 Country of manufacture :.....

4.2 Manufacturers' Name and Address:.....

4.3 Make, Material, Hardness Range and Standard :

	Make	Material	Hardness Range	Standard	Date of Manufacture
Sleeve:	N/A
Flange :	N/A
Gaskets:
Joint Rings:

4.4 Type of external coating and thickness:

4.5 Type of internal coating and lining:

4.6 Time of Delivery :

4.7 Port of Shipment:

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

4.9 Name and Address of supplier's agent (if any) in Sri Lanka

4.10 Deviations from Specifications (if any) :

4.11 Is ISO 9001 : 2008/2015 Quality Management System Certificate provided to the Factory

5. SURFACE BOXES AND MANHOLE COVERS

5.1 Country of Manufacture :.....

5.2 Manufacturer's name and Address :.....

5.3 Material :.....

5.4 Class, Make, Standard and Date of Manufacture

	Class	Make	Standard	Date of Manufacture
Manhole Covers :
Surface Boxes :

5.5 Coating :.....

5.6 Lifting arrangements:

Manhole Covers :.....

Surface Boxes :.....

5.7 Name and Address of Supplier's agent (if any) in Sri Lanka :.....

5.8 Port of Shipment:.....

5.9 Time of Delivery of Material at port of shipment:.....

5.10 Deviations from Specification (if any):.....

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

.....
Signature of the Supplier

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

6. GALVANIZED IRON PIPES & FITTINGS

6.1 Country of Manufacturer :

6.2 Name & address of the manufacturer :

6.3 Manufacturing Process :

6.4 Thickness of external galvanized coating :

6.5 Protection of pipes and pipe ends in transit :

Pipes and plain ends :

Flanges :

6.6 Details of Flanges :

Pipe Diameter	Bolts & Nuts Dia. Length No. off	Material
.....
.....
.....

6.7 Specify the standards to which the GI pipes and fittings to be supplied under this contract comply with :

Is certificate from relevant Institution Provided :

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

6.9 Pressure rating of pipes :

6.10 Indicate whether the manufacturing process of the items offered comply with ISO 9001:2008 /2015 Quality Management System Standard.

Is certificate from relevant Institution provided :

7. VALVES AND ACCESSORIES

7.1 BUTTERFLY VALVES

7.1.1 Country of Manufacture

7.1.2 Manufacturer's name and Address:

.....

7.1.3 Date of Manufacture:.....

7.1.4 Standard to which valves conform:

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

7.1.6 Is ISO 9001 : 2008/2015 Quality Management System Certificate provided to the factory/ factories.

7.1.7 Material

Valve body:

Valve disc:

Valve seat:

Shaft:

Shaft seals:

7.1.8 Valve body : Whether Rubber lined ? if so material :

7.1.8.1 Standards to which gaskets conforms :.....

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

7.1.8.3 Is ISO 9001 : 2008/2015 Quality Management System Certificate provided to the factory/ factories.

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

7.1.10 End Flanges

Pressure rating:.....

Dimensions (mm):.....

Bolt circle dia (mm):.....

7.1.11 Standard to which nuts and bolts conform and the material:.....

7.1.12 The type of operating gear for the valve:.....

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

7.1.14 Whether Gearing arrangement is provided :

Gear ratio of gearing:.....

Unbalanced head: Bars

Seat test pressure : Bars

Body test pressure Bars

7.1.15 Internal protective finish:

Material :

Thickness :

7.1.16 External protective finish:

Material :

Thickness :

7.1.17 Weight of the valve: Kg

7.1.18 Packing and Protection of valves in transit:

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

.....

7.1.20 Port of shipment:

7.1.21 Time of delivery of valves at port of shipment:

7.1.22 Name and Address of supplier's agent (if any) in Sri Lanka:

.....

7.1.23 Deviations from specifications (if any) :.....

7.2 AIR VALVES

7.2.1 Country of Manufacture :

7.2.2 Manufacturer's name and Address:

.....

7.2.3 Date of Manufacture:

7.2.4 Is ISO 9001 : 2008/2015 Quality Management System Certificate provided to the factory / Factories :

7.2.5 Type of Valve (single orifice/double orifice):

7.2.6 For large orifice air valves;

Orifice dia mm	Minimum air outflow at 0.5 bar differential pressure m ³ /min
	Minimum air inflow at 0.2 bar differential pressure m ³ /min

7.2.7 For large orifice and Double orifice air valves; whether isolating valve has mitre gearing for making it Tee key operated:

- 7.2.8 Make of material of Ball (Stainless Steel or Plastic):.....
- 7.2.9 Flanges (if applicable)
- Pressure rating :
- Standard :.....
- Dimensions (mm) :.....
- Bolt circle dia (mm):.....
- 7.2.10 Seat test pressure : bars
- 7.2.11 Body test pressure : bars
- 7.2.12 Internal protective finish:
- 7.2.13 External protective finish:.....
- 7.2.14 Weight of the valve :..... kg
- 7.2.15 Packing and protection of valves in transit:
- 7.2.16 Reference of the catalogues, technical literature and drawings provided with the Bid:
.....
- 7.2.17 Port of shipment:
- 7.2.18 Time of delivery of valves at port of shipment:.....
- 7.2.19 Name and Address of supplier's agent (if any) in Sri Lanka:
-
- 7.2.20 Deviations from specifications (if any):.....
- 7.3 CHECK VALVES
- 7.3.1 Country of Manufacture :
- 7.3.2 Manufacturer's name and Address:
-
- 7.3.3 Date of Manufacture:.....
- 7.3.4 Standard to which valves conform:
- 7.3.5 Is ISO 9001 : 2008/2015 Quality Management System provided to the factory/
factories:.....

- 7.3.6 Is product conformity certificate from relevant Standard Institution provided to the Factory / factories :.....
- 7.3.7 Is this Vertical Installation or Horizontal Installation :.....
- 7.3.8 Is this non Slam :.....
- 7.3.9 Is this Spring loaded :
- 7.3.10 Material
- Valve body:
- Hinge pin and bushes:.....
- Disc:.....
- Disc encapsulating material:.....
- 7.3.11 End Flanges
- Pressure rating:.....
- Dimensions (mm):.....
- Bolt circle dia (mm):.....
- Standard :.....
- 7.3.12 Face to face dimensions of the valve (mm) :.....
- 7.3.13 Seat test pressure : bars
- 7.3.14 Body test pressure bars
- 7.3.15 Internal protective finish:.....
- 7.3.16 External protective finish:.....
- 7.3.17 Weight of the valve: Kg
- 7.3.18 Packing and Protection of valves in transit:.....
- 7.3.19 Reference of the catalogues, technical literature and drawings provided with the Bid:
- 7.3.20 Port of shipment:.....
- 7.3.21 Time of delivery of valves at port of shipment:.....
- 7.3.22 Name and Address of supplier's agent (if any) in Sri Lanka:.....
- 7.3.23 Deviations from specifications (if any):.....

7.4 PRESSURE REDUCING VALVES

7.4.1 Country of Manufacture :

7.4.2 Manufacturers' Name and Address:
.....

7.4.3 Date of Manufacture:.....

7.4.4 Is ISO 9001:2008/ 2015 Quality Management System provided to the factory/
factories:
.....

7.4.5 Is product conformity certificate from relevant Standard Institution provided to the
factory/ factories:.....

7.4.6 Material

- Main valve:.....
- Body:.....
- Internal valve:.....
- Indicator rod:.....

Relay Valve

- Body:.....
- Spindle:.....
- Diaphragm:.....
- Spring:.....

7.4.7 Length between flanges (mm):.....

7.4.8 End Flanges

- Pressure rating:.....
- Dimensions (mm):.....
- Bolt circle dia (mm):.....
- Standard :.....

7.4.9 Minimum running pressure difference: bars

7.4.10 Minimum control pressure Bars

7.4.11 Internal protective finish:.....

7.4.12 External protective finish:.....

7.4.13 Weight of the valve: kg

7.4.14 Packing and Protection of valves in transit:.....

- 7.4.15 Reference of the catalogues, technical literature and drawings provided with the Bid:
.....
- 7.4.16 Port of shipment:.....
- 7.4.17 Time of delivery of valves at port of shipment:.....
- 7.4.18 Name and Address of supplier's agent (if any) in Sri Lanka:.....
- 7.4.19 Deviations from specifications (if any):.....

7.5 PRESSURE SUSTAINING/RELIEF VALVES

- 7.5.1 Country of Manufacture :.....
- 7.5.2 Manufacturer's name and Address:.....
- 7.5.3 Date of Manufacture:.....
- 7.5.3 Is ISO 9001 : 2008/2015 Quality Management System provided to the factory/
factories
- 7.5.5 Is product conformity certificate from relevant Standard Institution provided to the
factory/ factories:.....
- 7.5.6 Material
 - Main valve:.....
 - Body:.....
 - Internal valve:.....
 - Indicator rod:.....

 - Relay Valve
 - Body:.....
 - Spindle:.....
 - Diaphragm:.....
 - Spring:.....
- 7.5.7 Length between flanges (mm):.....
- 7.5.8 End Flanges
 - Pressure rating:.....

 - Dimensions (mm):.....

 - Bolt circle dia (mm):.....

Standard :.....

7.5.9 Internal protective finish:.....

7.5.10 External protective finish:.....

7.5.11 Weight of the valve: kg

7.5.12 Packing and Protection of valves in transit:.....

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

.....

7.5.14 Port of shipment:.....

7.5.15 Time of delivery of valves at port of shipment:.....

7.5.16 Name and Address of supplier's agent (if any) in Sri Lanka:.....

7.5.17 Deviations from specifications (if any):.....

7.6 FLOW CONTROL VALVES

7.6.1 Country of Manufacture :.....

7.6.2 Manufacturer's name and Address:.....

7.6.3 Date of Manufacture:.....

7.6.4 Is ISO 9001 : 2008/2015 Quality Management System provided to the factory/
factories:

7.6.5 Is Product Conformity Certificate from relevant Standard Institution provided to the
factory/ factories:.....

7.6.6 Material

Main valve:.....

Body:.....

Internal valve:.....

Indicator rod:.....

Relay Valve

Body:.....

Spindle:.....

Diaphragm:.....

Spring:.....

- 7.6.7 Length between flanges (mm):.....
- 7.6.8 End Flanges
 - Pressure rating:.....
 - Dimensions (mm):.....
 - Bolt circle dia (mm):.....
 - Standard :.....
- 7.6.9 Minimum flow :.....
- 7.6.10 Constant flow:.....
- 7.6.11 Internal protective finish:.....
- 7.6.12 External protective finish:.....
- 7.6.13 Weight of the valve: kg
- 7.6.14 Packing and Protection of valves in transit:.....
- 7.6.15 Reference of the catalogues, technical literature and drawings provided with the Bid:
- 7.6.16 Port of shipment:.....
- 7.6.17 Time of delivery of valves at port of shipment:.....
- 7.6.18 Name and Address of supplier's agent (if any) in Sri Lanka:.....
- 7.6.19 Deviations from specifications (if any):.....

7.7 ALTITUDE VALVES

- 7.7.1 Country of Manufacture :.....
- 7.7.2 Manufacturer's name and Address:.....
.....
- 7.7.3 Date of Manufacture:.....
- 7.7.4 Is ISO 9001 : 2008/2015 Quality Management System provided to the factory/
factories
- 7.7.5 Is Product Conformity Certificate from relevant Standard Institution provided to the
factory/ factories.....

7.7.6 Material

- Main valve:.....
- Body:.....
- Internal valve:.....
- Indicator rod:.....

Relay Valve

- Body:.....
- Spindle:.....
- Diaphragm:.....
- Spring:.....

7.7.7 Length between flanges (mm):.....

7.7.8 End Flanges

- Pressure rating:.....
- Dimensions (mm):.....
- Bolt circle dia (mm):.....
- Standard :.....

7.7.9 Minimum head required at valve inlet:.....

7.7.10 Internal protective finish:.....

7.7.11 External protective finish:.....

7.7.12 Weight of the valve: kg

7.7.13 Packing and Protection of valves in transit:.....

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

.....

7.7.15 Port of shipment:.....

7.7.16 Time of delivery of valves at port of shipment:.....

7.7.17 Name and Address of supplier's agent (if any) in Sri Lanka:.....

7.7.18 Deviations from specifications (if any):.....

7.8 BALL FLOAT VALVES

7.8.1 Country of Manufacture :.....

- 7.8.2 Manufacturer's name and address :
- 7.8.3 Date of Manufacture:.....
- 7.8.4 Is ISO 9001 : 2008/2015 Quality Management System provided to the factory/
factories
- 7.8.5 Is product conformity certificate from relevant Standard Institution provided to the
factory/ factories.....
- 7.8.6 Body test pressure:.....
- 7.8.7 End Flanges
- Pressure rating:.....
- Dimensions (mm):.....
- Bolt circle dia (mm):.....
- Standard:.....
- 7.8.8 Material
- Valve Body:.....
- Float:.....
- Lever and links:.....
- 7.8.9 Body test pressure: bars
- 7.8.10 Close assembly test pressure bars
- 7.8.11 Weight of the valve: kg
- 7.8.12 Packing and Protection of valves in transit:.....
- 7.8.13 Reference of the catalogues, technical literature and drawings provided with the Bid:
.....
- 7.8.14 Port of shipment:.....
- 7.8.15 Time of delivery of valves at port of shipment:.....
- 7.8.16 Name and Address of supplier's agent (if any) in Sri Lanka:.....
- 7.8.17 Deviations from specifications (if any):.....

7.9 FLAP VALVES

7.9.1 Country of Manufacture :.....

7.9.2 Manufacturer's name and Address:.....

7.9.3 Date of Manufacture:.....

7.9.4 6.9.4 Is ISO 9001 : 2008/2015 Quality Management System provided to the factory/
factories

7.9.5 Is product conformity certificate from relevant Standard Institution provided to the
factory/ factories.....

7.9.6 Material

Frame and door:.....

Sealing:.....

Hinge pin:.....

Links:.....

7.9.7 Flanges

Pressure rating:.....

Dimensions (mm):.....

Bolt circle dia (mm):.....

Standard :.....

7.9.8 Weight of the valve: kg

7.9.9 Packing and Protection of valves in transit:.....

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

7.9.11 Port of shipment:.....

7.9.12 Time of delivery of valves at port of shipment:.....

7.9.13 Name and Address of supplier's agent (if any) in Sri Lanka:.....

7.9.14 Deviations from specifications (if any).....

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 Bidding Documents. The information shall be in sufficient detail to enable the Engineer to make a realistic assessment of the effect of such deviations on the performance or life of the materials to be supplied and also such deviation if any shall be subject to clause 25 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

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

SCHEDULE OF DAYWORKS

PREAMBLE NOTES ON DAYWORK SCHEDULE

General

Reference should be made to Clause 9.6 of the Conditions of Contract. Work shall not be executed on daywork basis except by written order of the Engineer. The rates specifies shall apply to any quantities of daywork ordered by the Engineer. Daywork rates are exclusive of VAT.

The daywork 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 daywork rate to cover overhead and profit as specified in each section below.

Labour for daywork

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 daywork 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 daywork

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 daywork at the maximum of 6% of daywork 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 daywork rates to cover his profit, overhead, superintendence, administrative costs related to use such equipment, liabilities, time keeping and any other allied works.

In calculating the payment due to the Contractor for Contractor's Equipment employed on daywork, 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 daywork and the time of return journey there to shall be considered for payment.

**SCHEDULE OF DAYWORK RATES
FOR LABOUR**

ITEM NO	DESCRIPTION	UNIT	RATE Rs.
1	Unskilled Labour	day	1100.00
2	Pipe Layer	day	1600.00
3	Helper	day	1250.00
4	Mason	day	1400.00
5	Carpenter and Joiner	day	1500.00
6	Steel Work Erector	day	1500.00
7	Tool Operator	day	1300.00
8	Fitter	day	1600.00
9	Tiller	day	1600.00
10	Plumber	day	1550.00
11	Welder	day	1600.00
12	Painter	day	1500.00
13	Electrician	day	1600.00
14	Mechanic	day	1600.00
15	Bar Bender	day	1600.00
16	Operator (Heavy Machine)	day	1600.00

Note : VAT not included
Contractor's O/H & P not included.

Source: Market prices April 2017

**SCHEDULE OF DAYWORK RATES
FOR MATERIALS**

Item No.	Description	Unit	Basic Rate (Rs)
1.	Cement, ordinary Portland or equivalent in bags	kg	16.20
2.	Tor Steel reinforcing bar	kg	113.00
3.	Mild steel	kg	104.00
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	13,500.00
	Coarse Sand	cu	12,500.00
	Sea sand (wash)	cu	6,500.00
	Quarry Dust	cu	6,800.00
5.	Coarse aggregate for concrete as specified in Clause 302 of the General Specification for Civil Engineering construction of size ½” (Chips)	cu	6,900.00
	¾”	cu	6,900.00
	1”	cu	6,750.00
	1½”	cu	6,250.00
	2”	cu	5,200.00
6.	Timber for Planks (form work) 1”x 9”	m ²	4,300.00
7.	Shuttering planks	m ²	323.00
8.	Timber for Members		
	<u>Jack</u>		
	Timber 4”x3”	m	1,805.00
	Timber planks 1 1/8”	m ²	5,918.00
	<u>Hora/ Liyan</u>		
	Timber 2”x1”	m	33.00
	Timber 2”x2”	m	98.00
	Timber 4”x2”	m	443.00
	Timber 4”x3”	m	755.00
	Timber 5”x3”	m	902.00
	Timber 6”x2”	m	902.00
	Timber 4”x4”	m	1,394.00
	Timber 4”x6”	m	1,886.00
	Timber planks 1”	m ²	4,300.00
	Valance Board 9”x1” Ginisapu	m	476.00
	Lunumidella Ceiling Planks 6”x3/4”	m ²	1,076.00

Item No.	Description	Unit	Basic Rate (Rs)
<u>Kempas</u>			
	Class 1 Timber 2"x1"	m	115.00
	Class 1 Timber 2"x2"	m	213.00
	Class 1 Timber 2"x4"	m	623.00
	Class 1 Timber 3"x4"	m	984.00
	Class 1 Timber 2"x5"	m	853.00
	Class 1 Timber 3"x5"	m	1,279.00
	Class 1 Timber 2"x6"	m	1,017.00
	Class 1 Timber 3"x6"	m	1,509.00
	Class 1 Timber 4"x6"	m	2,460.00
	Class 1 Timber 1"x9"	m	1,181.00
9.	Bricks Standard size	nr.	15.00
10.	Rubble		
	6" x 9"	m ³	5,500.00
	6" x 4"	m ³	5,600.00

Note : 1. Contractor's overhead not included
2. VAT not included

Source :-

1. Market prices April 2017.

**SCHEDULE OF DAYWORK RATES
FOR CONSTRUCTIONAL PLANT**

ITEM NO	DESCRIPTION	CAPACITY	UNIT	RATE (Rs.)
1	Asphalt cutter *		hr	1,150.00
2	Excavator *	0.18m ³	hr	2,400.00
3	Excavator *	0.35m ³	hr	2,700.00
4	Excavator *	0.45m ³	hr	2,800.00
5	Excavator *	0.7m ³	hr	3,100.00
6	Excavator *	0.9m ³	hr	3,300.00
7	Excavator (Long Arm)*	0.4m ³	hr	3,750.00
8	Excavator (Long Arm)*	0.5m ³	hr	4,250.00
9	Excavator (Long Arm)*	0.9m ³	hr	7,000.00
10	Excavator with backhoe *	130hp	hr	4,500.00
11	Wheel Loader *	0.9m ³	hr	1,900.00
12	Wheel Loader *	1.4m ³	hr	2,000.00
13	Wheel Loader *	2.0m ³	hr	2,500.00
14	Backhoe loader *	101hp	hr	2,300.00
15	Backhoe loader *	90hp	hr	2,350.00
16	Bulldozer (Crawler Tractor) *	95 hp	hr	4,100.00
17	Bulldozer (Crawler Tractor) *	165 hp	hr	4,300.00
18	Bulldozer (Crawler Tractor) *	355 hp	hr	6,400.00
19	Motar Grader *	3.1 m	hr	3,500.00
20	Motar Grader *	4.2 m	hr	5,200.00
21	Baby Dumper *		day	5,000.00
22	Bob Cat		day	6,000.00
23	Hand Rammers *	60kg	day	4,000.00
24	Plate Compactor Mechanical *	90kg	day	3,600.00
25	Soil compactor - Vibrating Roller *	01 t	hr	1,100.00
26	Soil compactor - Vibrating Roller *	04 t	hr	2,400.00
27	Soil compactor - Vibrating Roller *	07 t	hr	2,850.00
24	Soil compactor - Vibrating Roller *	10 t	hr	3,400.00

FOR CONSTRUCTIONAL PLANT (Cont.)

ITEM NO	DESCRIPTION	CAPACITY	UNIT	RATE
25	Soil compactor - Vibrating Roller *	20 t	hr	4,250.00
26	Soil compactor - Vibrating Roller *	26 t	hr	4,750.00
27	Pneumatic Roller *	8 - 10 t	hr	3,800.00
28	Pneumatic Roller *	10 - 12 t	hr	4,500.00
29	Concrete mixer complete with scales etc. *	0.25m ³	hr	500.00
30	Concrete mixer complete with scales etc. *	0.5m ³	hr	700.00
31	Concrete vibrator *	38 mm dia.	day	3,500.00
32	Dump Truck (80 km/day) *	3 t	day	4,800.00
33	Dump Truck (80 km/day) *	12 t	day	8,900.00
34	Dump Truck (80 km/day) *	20 t	day	12,100.00
35	Crawler Crane *	35 t	hr	4,200.00
36	Crawler Crane *	50 t	hr	5,600.00
37	Hydraulic Crane *	20 t	hr	7,500.00
38	Hydraulic Crane *	15t	hr	5,800.00
39	Tower crane *	10 t	hr	3,700.00
40	Tower crane *	12 t	hr	5,200.00
41	Boom Truck *	3 t	day	12,800.00
42	Boom Truck *	3.5 t	day	13,900.00
43	Boom Truck *	4 t	day	17,300.00
44	Water Bowser (80 km/day) *	6000lts.	day	4,900.00
45	Water Bowser (80 km/day) *	8000lts.	day	7,500.00
46	Water Bowser (80 km/day) *	13200lts.	day	8,700.00
47	Water Pump 4" dia. (with fuel & without operator)		hr	1,100.00
48	Water Pump 2" dia.(with fuel & without operator)		hr	350.00
49	Water Pump 2" dia.(Electrical - without operator)		day	700.00
50	Sludge pump 4" dia. (with fuel & without operator)		hr	1,100.00
51	Double cab (with driver & fuel) *		km	60.00
52	Crew cab (with driver & fuel) *		km	70.00
53	Lorry *	(20-30 t)	km	110.00

ITEM NO	DESCRIPTION	CAPACITY	UNIT	RATE
54	Van (15 Sheet) or similar utility Vehical *		km	55.00
55	Ordinary truck (100 km/day) *	6 t	day	8,700.00
56	Ordinary truck (100 km/day) *	12 t	day	11,500.00
57	Truck with tipper *	3 - 8 t	km	110.00
58	Low loader truck *	30 - 40 km	km	140.00
59	Tractor & trailor (3 ton) (80 km/day)		day	6,000.00
60	Fork lift (Minimum 5 hrs.) *	2.5 t	5 hrs	5,250.00
61	Fork lift (Minimum 5 hrs.) *	3 t	5 hrs	6,300.00
62	Fork lift (Minimum 5 hrs.) *	3.5 t	5 hrs	8,100.00
63	Fork lift (Minimum 5 hrs.) *	6 t	5 hrs	11,550.00
64	Fork lift (Minimum 6 hrs.) *	10 t	6 hrs	19,100.00
65	Fork lift (Minimum 6 hrs.) *	15 t	6 hrs	27,700.00
66	Air Compressor (including tools breakers etc:)*	750 CFM	hr	4,600.00
67	Air Compressor (including tools breakers etc:)*	250 CFM	hr	1,700.00
68	Air Compressor (including tools breakers etc:)*	125 CFM	hr	1,200.00
69	Air Compressor (including tools breakers etc:)*	175 CFM	hr	1,400.00
70	Air Compressor (baby) *		hr	75.00
71	Generating set (with fuel)	30kVA	hr	1,500.00
72	Generating set (with fuel)	35kVA	hr	1,750.00
73	Generating set (with fuel)	45kVA	hr	2,200.00
74	Generating set (with fuel)	125kVA	hr	4,600.00
75	Tile cutter (up to 2'-0" length - with operator)		day	475.00
76	Tile cutter (2'-0" length - with operator)		day	600.00
77	Breaker Machene (with operator)		day	5,200.00
78	Grinder (large) - Electrical (with operator)		day	1,450.00

FOR CONSTRUCTIONAL PLANT (Cont.)

ITEM NO	DESCRIPTION	CAPACITY	UNIT	RATE
79	Grinder (midium) - Electrical (with operator)		day	950.00
80	Angle Grinder (06",04") - Electrical (with operator)		day	200.00
81	Angle Grinder (7") - Electrical (with operator)		day	500.00
82	Butt fusion Machine with all necessary equipment - Electrical *		month	26,000.00
83	Pressure Pump (Electric domestic type - with operator)		day	1,500.00
84	Welding Transformer		day	300.00
85	Chain Block		day	600.00
86	Floor Polisher		day	900.00
87	Vacum Cleaner		day	550.00
88	Blower		day	350.00
89	Jig Saw		day	250.00
	<u>For Supply of Ready Mix Concrete (Colombo Area)</u>			
90	Pump Cars -(Minimum 30 m ³) - 21m length of pump car *		m ³	700.00
91	Pump Cars -(Minimum 40 m ³) - 32 m length of pump car *		m ³	800.00
92	Pump Cars -(Minimum 50 m ³) - 37 m length of pump car *		m ³	900.00

Note :-

1. VAT not included
2. * Cost of Operator / Driver and fuel are included in rates.
3. Contractors O/H & P not included.

Source :-

2. Market prices April 2017.

10. LIST OF DRAWINGS

LIST OF DRAWINGS

Drg. No.	Description

11. BILLS OF QUANTITIES

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

BILLS OF QUANTITIES
CONTRACT FOR

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

CONTRACT No.

BILL NO: 01 - GENERAL ITEMS

Item No	CESMM3 Code	Description	Unit	Qty.	Rate Rs: Cts:	Amount Rs: Cts:
		<u>Allow for all costs and expenses for complying with the General Conditions of contract and Specification.</u> <u>Note : Any Services not specially provided for will deemed to be included in the rates of items in the Bill of Quantities.</u> <u>CLASS A : GENERAL ITEMS</u>				
1.01	A 120/ A 130	Provision for all insurances under the contract.	Provisi onal sum			xxx,xxx.xx
1.02	A 211	Allow for establishment, maintenance and removal at completion of Engineers Office and equipment, as specified in the sub clauses 9.12.13 of conditions of contract.	sum			
1.03	A 271	Night lighting and all associated work. (This item is provided where pipe laying works during night are to be done only.)	month			
1.04	A 271	Traffic diversion and such charges associated with and all measures for the maintenance of traffic flows and access during construction period as directed by the Engineer. (This item is provided where pipe laying as main roads to be done only)	month			
1.05	A 279	Safety of contractor's employees, Engineer's staff (Helmets, Gumboots, dust filters etc.) and site safety barricades including open trench round up with barricades and luminous tape, danger sign boards etc.	sum			
		Total of Page No. 11/46 carried to Summary in Page No. 11/48				

Item No	CESMM3 Code	Description	Unit	Qty.	Rate Rs: Cts:	Amount Rs: Cts:
1.06	A 320	Provision for electricity, water, telephone facilities and security services for Engineer's office.	sum			
1.07	A 380	Provision for keeping the site clean during the construction period and removal debris at the completion to the satisfaction of Engineer.	sum			
1.08	A 420	Provision for providing two sets of hard copy and a soft copy of the as built drawings on the completion of contract.	sum			
1.09	A 420	Allow for Construction Management Services as specified in the Condition of Contract. (Only for specialized services during contract period - See Annex 1)	provisional sum			xxx,xxx.xx
1.10	A 900	Allow for carrying out trial pits in order to determine the underground utilities etc.. ((This item is provided where pipe laying as main roads to be done only)	nr			
1.11	A 900	Provision for cleaning and applying all exposed pipes and specials with two coats of black colour enamel paint after completion of laying.	sum			
1.12	A 900	Provision for price escalation	provisional sum			xxx,xxx.xx
1.13		Combined Allowances for Pre-shipment Inspection by 2 nos NWSDB Engineers as per clause 21.3 of the Contract Data.				
1.14		Cost of Inspection and Testing by Independent Testing & Inspection Agency as specified in Clause 21.2 of the Contract Data				
		Total of Page No. 11/47 carried to Summary in Page No. 11/48				

SUMMARY OF BILL NO. 01

Page Number	Amount Rs. Cts.
Page No. 11 - 46 Page No. 11 - 47	
Total of Bill No 1 Carried to Summary in page 11 – 49	

NATIONAL WATER SUPPLY AND DRAINAGE BOARD

CONTRACT FOR

..... WATER SUPPLY SCHEME

CONTRACT NO:

SUMMARY OF BILLS

Bill No.	From page No.	Description	Amount	
			Rs.	Cts.
01		General
02	
03	
04	
		Sub Total (1)		
		Less Discount (if any)		
		Sub Total (2)		
		Add Contingencies 10%		
		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.

12. SPECIMEN FORMS

- **BID SECURITY**
- **LETTER OF ACCEPTANCE**
- **AGREEMENT**
- **PERFORMANCE SECURITY**
- **ADVANCE PAYMENT SECURITY**
- **RETENTION MONEY GUARANTEE**

**THE GOVERNMENT OF THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF CITY PLANNING AND WATER SUPPLY
NATIONAL WATER SUPPLY AND DRAINAGE BOARD**

Contract for
CONTRACT No.:

FORM OF BID SECURITY

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

Beneficiary: The *(fill the relevant DGM or PD)*,
National Water Supply & Drainage Board,
..... *(fill the relevant address)*

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)]

**THE GOVERNMENT OF THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF CITY PLANNING AND WATER SUPPLY
NATIONAL WATER SUPPLY AND DRAINAGE BOARD**

Contract for
CONTRACT No.:

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.

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 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 tender, on Telephone No..... for further action on this contract.

..... *(Signature)*
.....*(fill the relevant DGM or PD)*
National Water Supply & Drainage Board

THE GOVERNMENT OF THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA

MINISTRY OF CITY PLANNING AND WATER SUPPLY

NATIONAL WATER SUPPLY AND DRAINAGE BOARD

Contract for

CONTRACT No.:

AGREEMENT

This AGREEMENT, is made and entered into on thisday of..... Two Thousand andby 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.

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 DGM (.....)/PD(.....)
(.....) 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 (NWSDB)/DGM(.....) /PD (.....)
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 saidin
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 :
.....
.....

THE GOVERNMENT OF THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA

MINISTRY OF CITY PLANNING AND WATER SUPPLY

NATIONAL WATER SUPPLY AND DRAINAGE BOARD

Contract for

CONTRACT No.:

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]* datedwith
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 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 security shall expire, no later than the day of 20..... *[insert date, 28 days beyond the Intended Completion Date]* 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 guarantee, and we hereby waive notice or any such change, addition or modification.

.....
[Signature(s)] of the Guarantor

.....
Seal

Capacity

THE GOVERNMENT OF THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA

MINISTRY OF CITY PLANNING AND WATER SUPPLY

NATIONAL WATER SUPPLY AND DRAINAGE BOARD

Contract For

CONTRACT No.:

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.

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

THE GOVERNMENT OF THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA

MINISTRY OF CITY PLANNING AND WATER SUPPLY

NATIONAL WATER SUPPLY AND DRAINAGE BOARD

Contract For

CONTRACT No.:

FORM OF RETENTION MONEY GUARANTEE

.....
[Issuing Agency's Name, and Address of Issuing Branch or Office]

Beneficiary :
.....[Name and Address of Employer]

Date :

RETENTION MONEY GUARANTEE 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 execution of [name of contract and brief description of Works] (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, when the works have being taken over and the first half of the Retention Money has been certified for payment, payment of the second half of the Retention Money may be made against a Retention Money guarantee.

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 of 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 because the Contractor has not attended to the defects in accordance with the Contract.

This guarantee shall expire, at the latest,
[insert 28 Days after the end of the 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)] of the guarantor

.....
Seal

Capacity

Witness

Signature

Name & Address

Capacity

13. APPENDICES

APPENDIX 1A - DETAILS OF SIMILAR WORKS COMPLETED WITHIN THE LAST FIVE YEARS AND ONGOING SIMILAR 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
..... Year 5							
Total monetary value of construction works performed in year(<i>specify the year</i>)							
..... Year 4							
Total monetary value of construction works performed in year(<i>specify the year</i>)							
..... Year 3							
Total monetary value of construction works performed in year(<i>specify the year</i>)							
..... Year 2							
Total monetary value of construction works performed in year(<i>specify the year</i>)							
..... Year 1							
Total monetary value of construction works performed in year(<i>specify the year</i>)							

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

APPENDIX 1B - 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
..... Year 5							
Total monetary value of construction works performed in year(<i>specify the year</i>)							
..... Year 4							
Total monetary value of construction works performed in year(<i>specify the year</i>)							
..... Year 3							
Total monetary value of construction works performed in year(<i>specify the year</i>)							
..... Year 2							
Total monetary value of construction works performed in year(<i>specify the year</i>)							
..... Year 1							
Total monetary value of construction works performed in year(<i>specify the year</i>)							

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

APPENDIX 1 C - DETAILS OF WORKS COMPLETED WITHIN THE LAST FIVE YEARS

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 client certificates for on going works for the proof of above furnished details.

**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 (a) - SCHEDULE OF PLANT AND EQUIPMENT PROPOSED
FOR PIPE LAYING**

Note:

- 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 m ³	01			
2.	Hand Rammers	01			
3.	Soil Compactor – Mechanical ½ ton	01			
4.	Hand Roller 2 – 3 ton	01			
5	Dumper minimum capacity 1 m ³	01			
6.	Concrete mixer complete with scales etc. 0.25 – 0.5 m ³	01			
7	Concrete vibrator 38mm dia.	02			
8.	Portable Air compressor complete with hose and pneumatic tools minimum capacity 2.83 m ³ (100 cu.ft) per minute and pressure 70 kg/cm ² (100 psi)	01			
9.	Mobile crane up to 5 ton	01			
10.	Portable welding set 500 A capacity complete with welding accessories.	02			
11.	Generating Set up to 4 kw	01			
12.	Bitumen sprayer up to 6 ton	01			
13	Water Tanker 4 – 6 m ³	01			

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 ft ³ /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				
21.	Pressure testing equipment				

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 (b) - SCHEDULE OF PLANT AND EQUIPMENT PROPOSED
FOR CIVIL CONSTRUCTION**

Note:

- 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 m ³	02			
2.	Hand Rammers	01			
3.	Soil Compactor – Mechanical ½ ton	01			
4.	Hand Roller 2 – 3 ton	01			
5	Dumper minimum capacity 1 m ³	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 m ³	01			
9	Concrete mixer complete with scales over 0.5 m ³	02			
10	Concrete vibrator 38mm dia.	06			
11	Portable Air compressor complete with hose and pneumatic tools minimum capacity 2.83 m ³ (100 cu.ft) per minute and pressure 70 kg/cm ² (100 psi)	01			
12	Mobile crane up to 2 ton	01			
13	Mobile crane up to 5 ton	01			
14	Lorry / Truck 5 ton capacity	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 m ³	01			
20	Water Pump (complete with hoses etc.) 100 ft ³ /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. 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 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 a Banks.

Financial performance for the last 3 years

Year	XXXX	XXXX	XXXX
Turnover from Contracting			
Fixed Assets (FA)			
Current Assets (CA)			
Current Liabilities (CL)			
Long Term Liabilities (LL)			
Net Worth = Total Assets – Total Liabilities			
Current Ratio = $\frac{\text{Current Assets}}{\text{Current Liability}}$			
Liquidity Ratio = $\frac{\text{Current Assets(except stock)}}{\text{Current Liability}}$			
Gearing Ratio = $\frac{\text{Debt Capital} \times 100}{\text{Total Capital Employed}}$			
$\frac{\text{Turnover}}{\text{Total Operating Assets}} \times 100$			
$\frac{\text{Net Profit}}{\text{Total Assets}} \times 100$			

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 6 – 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 7 – PRE-QUALIFICATION OF MANUFACTURERS FOR
SUPPLY & DELIVERY OF DI PIPES, FITTINGS, VALVES,
MANHOLE COVERS AND PVC
(Updated List)**

Download the list from the NWSDB web site

www.waterboard.lk by clicking the Pre-qualification list. Shown in the SBD
(below the Volume II) and replace this page with the upload list.