

ADDENDUM NO. – 2

NAME OF WORK: DESIGNING, CONSTRUCTING, ERECTING, COMMISSIONING INCLUDING OPERATING AND MAINTAINING FOR A PERIOD OF 5 YEARS, OF 107 MLD CAPACITY SEWAGE TREATMENT PLANT AT THIRUVANANTHAPURAM – ADOPTING ACTIVATED SLUDGE PROCESS WITH EXTENDED AERATION

BID NO. : KSUDP/PIU-TVM/003 (SS) 2008

CONTRACT NO. : TVM – SS – 03

S.N.	ITEM	VOLUME / SECTION	CLAUSE	PAGE NO.	EXISTING DETAILS	REVISED DETAILS
1	Terms and Procedure of Payment	Vol. 1 Sec.9 and Addendum 1	Appendix 1	9-6 and Addendum 1	Schedule No.1 to 4 and Addendum 1	Terms and Procedure of payment shall be as indicated in the attached Appendix 1 of Addendum 2.
2	Completion of Facilities	Vol. 1 Sec.7	24.2	7-32	Within seven (7) days after receipt of the notice for pre-commissioning of the facilities or any part thereof.	After giving seven (7) days notice to the employer, the contractor shall carryout the pre-commissioning (including hydro test) of the facilities or part thereof. Personnel, equipment, tools, instruments, water and other items as required for carrying out pre-commissioning, commissioning and guarantee test etc. shall be provided by the contractor.
			24.2	7-32	<u>Para 2</u> Pursuant to the Appendix for pre-commissioning of the facilities or any part thereof.	Contractor shall provide all necessary consumable including lubricants, chemicals and services and other items as required for pre-commissioning, commissioning and guarantee test.
			24.3	7-33	As soon as reasonably practicable	The contractor shall submit the pre-commissioning, commissioning and guarantee test plan and test procedures

S.N.	ITEM	VOLUME / SECTION	CLAUSE	PAGE NO.	EXISTING DETAILS	REVISED DETAILS
						to the employer for approval and the respective activity shall be carried out by the contractor as per the approved plan and procedure.
3	Specific Specification (2.2)	Vol. 2, Sec.6	3.2(a)	6-6	Detention time 60 sec.	Detention time 30 sec (average flow)
4	Assistance by the contractors in obtaining Carbon Credits	Vol.2, Sec 6	New Clause	6-191	<p>Add the following new clause as Item H in Page 6-191 under Employers Requirement</p> <p>H. Assistance by the contractors in obtaining Carbon Credits:</p> <p><u>A) Introduction:</u></p> <ol style="list-style-type: none"> Carbon Credits are a key component of national and international emissions trading schemes. They provide a way to reduce greenhouse effect emissions on an industrial scale by capping total annual emissions and letting the market assign a monetary value to any shortfall through trading. Credits can be exchanged between businesses or brought and sold in international markets at the prevailing market price. Credits can be used to finance carbon reduction schemes between trading partners around the world. As far as CDM (Clean Development Mechanism) activities in India is concerned, India ratified the Kyoto Protocol in August 2002, before the Eighth Annual Conference of Parties (COP-8) to the UNFCCC, held in New Delhi in October – November 2002, and subsequently established the National Clean Development Mechanism Authority (NCDMA), in the Ministry of Environment and Forests (MoEF). Three key types of subprojects envisaged under the urban development assistance programs may be eligible under the CDM and include: (i) treatment of organic components of municipal solid waste through composting; (ii) replacement of low efficiency water pumps by new state-of- art pumps with higher energy efficiency; and (iii) sewage / wastewater treatment plants and (iv) other similar projects. 	

S.N.	ITEM	VOLUME / SECTION	CLAUSE	PAGE NO.	EXISTING DETAILS	REVISED DETAILS
					<p><u><i>B Employer's Requirement under the Project:</i></u></p> <ol style="list-style-type: none"> 1. Thiruvananthapuram Corporation proposes to avail the carbon credit facility for this 107 mld sewage treatment plant. 2. The Sewage Treatment Plant shall confirm to the activated sludge process with extended aeration and the process needs to be purely with Aerobic Condition and shall produce effluent with characteristics as required in the bid document. It shall also meet the requirements including monitoring and measurement requirements of the Project Design Document (PDD) which will be prepared for the project by the client (KSUDP) 3. The contractor is required to provide all assistance in the way of giving necessary information regarding the process to the concerned authorities. Necessary measuring and monitoring systems shall be incorporated for recording sewage and effluent and other necessary parameters as required for submission to the concerned agency. Information on the quantity of the sewage treated, along with other details like BOD reduction etc. needs to be given. Periodic reports as required by the employer need to be submitted. Reports on quantity of electricity and diesel consumed shall also be provided as required. 4. Required quantity of oxygen for the biological process as indicated in the specification shall be maintained to ensure that the treatment is taking place in total aerobic condition and required outlet parameters to treated effluent is maintained. 5. The QA/QC standards specified in the approved Small Scale CDM baseline methodology AMS.III.F shall be followed – (ref: http://cdm.unfccc.int). 	

S.N.	ITEM	VOLUME / SECTION	CLAUSE	PAGE NO.	EXISTING DETAILS	REVISED DETAILS
5	Price Bid Document.	Vol.4	-	-	Vol.4 Price Bid Document and Addendum 1 / Corrigendum Items 66,67,68,69 and 70.	<u>Vol.4 Price Bid Document (Revised)</u> This supersedes the previous Vol.4 and all bidders shall fill the Price Bid Document in Vol.4 (Revised) and the Previous Vol.4 shall be ignored. All items included in Items 66, 67, 68, 69 and 70 of the corrigendum issued are now compiled together in Vol.4 (Revised).

APPENDIX 1 – REVISED TERMS AND PROCEDURES OF PAYMENT OF ADDENDUM 2

This supersedes the terms and procedures of payment given with Addendum - 1

In accordance with the provisions of GCC Clause 12 (Terms of Payment), the Employer shall pay the Contractor in the following manner and at the following times, on the basis of the Price Breakdown given in the section on Price Schedules. Payments will be made in Indian Rupees only. Applications for payment in respect of part deliveries may be made by the Contractor as work proceeds.

(A) Terms of Payment

Ten percent (10%) of the contract value (excluding amounts quoted for O&M – Schedule No.4) as an advance payment against receipt of invoice, and an irrevocable Bank Guarantee from a Scheduled Bank, with validity upto contract period, for an equivalent amount made out in favor of the Employer.

The advance payment shall be recovered at a rate of minimum of ten percent (10%) of the amount of advance paid from the first and every subsequent bills until the full advance paid has been recovered. However the Project Manager has the liberty to recover more than 10% amount if he feels the pattern of submission of bills of the contractor warrants deduction of more amount for recovery of advance amount. Upon a specific request from the Contractor, the amount of Bank Guarantee can be proportionately reduced to the extent of recovery of the advance payment (this supersedes GCC 13.2.2).

Schedule No. 1 –A – Civil Works

In respect of civil works, the following payments shall be made:

Progressive payment on pro-rata basis, as per details given here-under, based on progress of works within forty-five (45) days after receipt of invoice.

(I) SITE DEVELOPMENT WORK

Site Development Works including all necessary excavation, disposal, filling, leveling, consolidation and all associated works to prepare the site to the required level.	95% on pro-rata basis
---	-----------------------

(II) WATER RETAINING STRUCTURES

- | | |
|---|-----|
| i On completion of base slab including Kicker Wall. | 30% |
| ii On completion of side wall concrete up to the top level. | 25% |
| iii On completion of all civil engineering works including screeding work incase of clarifier. | 30% |

iv	On successful hydraulic testing and issue of completion certificate.	10%
 (III) <u>BUILDINGS.</u>		
i	On completion upto plinth level.	10%
ii	On completion of super structure upto 1 st floor level.	10%
iii	On placement of roof slab of ground floor.	10%
iv	On placing of roof slab at first floor.	10%
v	On supply, delivery, erection of doors, windows, ventilators, working platform s etc.	10%
vi	On completion of all electrical works, water tanks, plumbing, pipe lines and fittings.	25%
vii	On completion of the building including plastering, flooring works, painting, finishing etc including architectural works.	20%
 (IV) <u>ROADS AND ALLIED WORKS</u>		
i	On completion of the internal roads in all respects as per Specifications.	50%
ii	Construction of road side drains, cross drainage works, plant sewerage system, street lights etc and on certification of satisfactory Completion.	45%
 (V) <u>ANY OTHER WORKS</u>		
	For any other works, essentially forming part of the project, the Project Manager shall make payments as per payment procedures detailed in item (B) – Payment Procedures.	95% of the value of works completed and certified by employer

BALANCE PAYMENTS for ITEMS I to V

Balance five percent (5%) amount upon issue of the Operational Acceptance Certificate, within forty-five (45) days after receipt of invoice.

Schedule No. 1 -B – Electrical, Mechanical, Instrumentation equipment and Mandatory Spare Parts Supplied

In respect of plant and equipment supplied from within the Employer's country, the following payments shall be made on completion of the respective work within forty-five (45) days after receipt of invoice:

Sixty five percent (65%) of the total or pro rata amount upon delivery to the site.

Fifteen percent (15%) of the total or pro rata amount on erection of the equipments and accessories and submission of O&M Manuals of respective equipment and supply of spare parts.

Ten percent (10%) of the total or pro rata amount upon pre-commissioning test and operational demonstration of the equipment to the satisfaction of the employer.

Balance ten percent (10%) of the total or pro rata amount upon issue of the Operational Acceptance Certificate.

Schedule No. 2 - Design Services

In respect of design services for, the following payments shall be made on completion of the respective work within forty-five (45) days after receipt of invoice:

Twenty percent (20%) on submission of complete detailed designs and drawings.

Seventy five percent (75%) of the total design services amount upon acceptance of detailed design and drawings by the Project Manager.

Five Percent (5%) of the total design service on submission of acceptance of operation and maintenance manual related to the total plant.

Schedule No. 3 - Installation and other Services

In respect of installation services, the following payments shall be made on completion of the respective work within forty-five (45) days after receipt of invoice:

Seventy percent (70%) upon satisfactory completion of installation and acceptance by the employer.

Twenty percent (20%) upon satisfactory pre-commissioning test and operational demonstration of the equipment and as certified by the employer.

Balance ten percent (10%) amount upon issue of the Operational Acceptance Certificate.



**Government of Kerala
Local Self Government Department
Kerala Sustainable Urban Development Project
(ADB Loan No. 2226 IND)**

**VOLUME IV – PRICE BID DOCUMENT
(REVISED)**

For

**Designing, Constructing, erecting and Commissioning including
O&M for a period of 5 years of 107 MLD capacity Sewage
Treatment Plant at Thiruvananthapuram adopting
Activated Sludge Process with Extended Aeration.**

(MANUAL CUM ELECTRONIC BIDDING)

Contract Package No. TVM – SS - 03

**National Competitive Bidding – Turnkey Contract
Single-Stage: Two Envelope Bidding**

Issued on : 07-04-2008

Invitation for Bids No.: KSUDP/PIU-TVM/003(SS)2008

Employer



Project Manager

Project Implementation Unit
Kerala Sustainable Urban Development Project
Thiruvananthapuram Corporation,
Thiruvananthapuram.
Tel: +91 (471) 2327012. Fax – 0471 2331570
Email: piutvmksudp@gmail.com
Country: India

Letter of Price Bid

Date:
NCB Package No.:
Invitation for Bid No.:

To: _____, Kerala Sustainable Urban Development Project.
.....

We, the undersigned, declare that:

- a. We have examined and have no reservations to the Bidding Documents, including Corrigendum, Addendum issued in accordance with Instructions to Bidders (ITB) 8;
- b. We offer to execute in conformity with the Bidding Documents the following Works:
- c. The total price of our Bid, excluding any discounts offered in item (d) below is
- d. The discounts offered and the methodology for their application are:
- e. Our Bid shall be valid for a period of 120 days from the date fixed for the bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- f. If our Bid is accepted, we commit to obtain a performance security in accordance with the Bidding Documents;
- g. We have paid, or will pay the following commissions, gratuities, or fees with respect to the bidding process or execution of the Contract: **

Name of Recipient Address Reason Amount
.....
.....

(h) We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed; and

(i) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

Name
.....

In the capacity of

.....

Signed

.....

.....

....

Duly authorized to sign the Bid for and on behalf of

.....

Date

.....

.....

....

**** If none has been paid or is to be paid, indicate "none"**

Price Schedules

PREAMBLE

General

1. The Price Schedules are divided into separate Schedules as follows:

Schedule No. 1A: Civil works

Schedule No.1A (i): General Break Up of Prices of Civil Works

Schedule No.1B: Electrical, Mechanical, Instrumentation equipment and Mandatory Spare Parts Supplied

Schedule No.1B (i): General Break Up of Prices of Electrical, Mechanical, Instrumentation equipment and Mandatory Spare Parts Supplied

Schedule No. 2: Design Services

Schedule No. 3: Installation of Plant and Unit and Other Services

Schedule No. 3A: General Break Up of Prices of Installation of Electrical, Mechanical, Instrumentation equipment Supplied and Other Services

Schedule No. 4: Operation and Maintenance

Schedule No. 5: Grand Summary

Schedule No. 6(a): Recommended Spare Parts

Schedule No. 6(b): Recommended Tools

2. The Schedules do not generally give a full description of the plant to be supplied and the services to be performed under each item. Bidders shall be deemed to have read the Employer's Requirements and other sections of the Bidding Document and reviewed. The Drawings to ascertain the full scope of the requirements included in each item prior to filling in the rates and prices. The entered rates and prices shall be deemed to cover the full scope as aforesaid, including overheads and profit.

3. If bidders are unclear or uncertain as to the scope of any item, they shall seek clarification in accordance with ITB 7 prior to submitting their bid. Pricing

4. Prices shall be filled in indelible ink, and any alterations necessary due to errors, etc., shall be initialed by the Bidder. As specified in the Bid Data Sheet and Special Conditions of Contract, prices shall be fixed and firm for the duration of the Contract, or prices shall be subject to adjustment in accordance with the corresponding Appendix (Price Adjustment) to the Contract Agreement.

5. Bid prices shall be quoted in the manner indicated and in the currencies specified in the Instructions to Bidders in the Bidding Document. For each item, bidders shall complete each appropriate column in the respective Schedules, giving the price breakdown as indicated in the Schedules. Prices given in the Schedules against each item shall be for the scope covered by that item as detailed in Section 6 (Employer's Requirements) or elsewhere in the Bidding Document.

6. All payments under the contract will be made to the Contractor in Indian Rupees.

7. When requested by the Employer for the purposes of making payments or partial payments, valuing variations or evaluating claims, or for such other purposes as the Employer may reasonably require, the Contractor shall provide the Employer with a breakdown of any composite or lump sum items included in the Schedules.

Schedules of Rates and Prices

Schedule No. 1 A – Civil Works

Item	Description	Unit Price	Qty	Total Price of the Plant and unit	Taxes and Duties	Total Amount
1	2	3	4	5 (3*4)	6	7 (5+6)
1	107 MLD Sewage Treatment Plant					

Total Column 8 to be carried forward to Grand Summary

Name of Bidder-----

Signature of Bidder-----

Note: The general break up of prices of different units has to be given in schedule No. 1 – A (i)

**Schedule No. 1 B - Electrical, Mechanical, Instrumentation equipment and
Mandatory Spare Parts Supplied**

Item	Description	Country of Origin	Unit Price	Qty	Total Price of the Plant and unit	Taxes and Duties	Total Amount
1	2	3	4	5	6 (4*5)	7	8 (6+7)
1	107 MLD Sewage Treatment Plant						

Total Column 8 to be carried forward to Grand Summary

Name of Bidder-----

Signature of Bidder-----

Note: The general break up of prices of different units has to be given in schedule No. 1 – B (i)

Country of Origin Declaration Form

Item	Description	Country

--	--	--

Schedule No. 2 - Design Services

Item	Description	Unit Price	Qty.	Total Price of the Plant and unit	Taxes and Duties	Total Amount
1	2	3	4	5 (3*4)	6	7 (5+6)
1	107 MLD Sewage Treatment Plant					

Total Column 8 to be carried forward to Grand Summary

Name of Bidder-----

Signature of Bidder-----

Note: All rates quoted to be in Indian Rupees

Schedule No. 3 - Installation of Plant and Unit and Other Services

Item	Description	Country of origin	Unit Price	Qty.	Total Price of the Plant and unit	Taxes and Duties	Total Amount
1	2	3	4	5	6 (4*5)	7	8 (6+7)
1	107 MLD Sewage Treatment Plant						

Total Column 8 to be carried forward to Grand Summary

Name of Bidder-----

Signature of Bidder-----

(This form would be used if procurement and installation are asked to be quoted separately)

Note: 1. All rates quoted to be in Indian Rupees

2. The general break up of prices of different units has to be given in schedule No. 3 – A

Schedule No. 4 – Operation and Maintenance

Item No.	Description	Amount
1.	Operation and Maintenance of Plant for five years	
	First Year	
	Second Year	
	Third Year	
	Fourth Year	
	Fifth Year	
	Total	

Name of Bidder-----

Signature of Bidder-----

Schedule No. 5 - Grand Summary

Schedule No.	Title	Total
		Indian Rupees
1 - A	Civil Works	
1 - B	Plant and Unit and Mandatory Spare Parts Supplied	
2	Design Services	
3	Installation and Other Services	
4	Operation and Maintenance of the Plant for 5 years	
GRAND TOTAL to be carried forward to Letter of Price Bid		

Name of Bidder-----

Signature of Bidder-----

Schedule No. 6(a) - Recommended Spare Parts

Item	Description	Country of Origin	Unit Price	Qty.	Total Price of the spare part	Taxes and Duties	Total Amount
1	2	3	4	5	6 (4*5)	7	8 (6+7)

Name of Bidder-----

Signature of Bidder-----

Note: All rates quoted to be in Indian Rupees

Schedule No. 6(b) - Recommended Tools

Item	Description	Country of Origin	Unit Price	Qty.	Total Price of the spare part	Taxes and Duties	Total Amount
1	2	3	4	5	6 (4*5)	7	8 (6+7)

Name of Bidder-----

Signature of Bidder-----

Note: All rates quoted to be in Indian Rupees

Schedule No. 1 – A (i)**General Break Up of Prices of Civil Works**

Item	Description	Unit Price	Qty.	Amount	Taxes & Duties	Total Amount
1	2	3	4	5	6	7 (5+6)
1	Raw Sewage Pumping (from collection chamber to Inlet Chamber of STP) System i. Sump (WRS) ii. Pump House (B)					
2	Inlet Chamber System (WRS)					
3	Screen Chamber System (WRS)					
4	Grit Chamber & Parshall Flume System (WRS)					
5	Aerators System (WRS)					
6	Secondary Clarifiers System (WRS)					

Item	Description	Unit Price	Qty.	Amount	Taxes & Duties	Total Amount
1	2	3	4	5	6	7 (5+6)
7	Thickener System (WRS)					
8	Dewatering Units i. Sump (WRS) ii. Building (B)					
9	Sludge Drying Bed and Related Works (WRS)					
10	Chlorinating System i. Chlorine Contact Tank (WRS) ii. Building (B)					
11	Sludge Recirculation System i. Sump (WRS) ii. Pump House (B)					
12	Thickened Sludge Pumping System i. Sump (WRS) ii. Pump House (B)					
13	Supernatant , Centrate & Dilution Water Pumping System i. Sump (WRS) ii. Pump House (B)					
14	Electric Sub – Station Works (B)					
15	Generator Room (B)					

Item	Description	Unit Price	Qty.	Amount	Taxes & Duties	Total Amount
1	2	3	4	5	6	7 (5+6)
16	MCC Room (B)					
17	Electrification & Compound Lighting Civil Work (B)					
18	Administrative & Laboratory Building and related Works (B)					
19	Site Development Works (including all necessary excavation, disposal, filling, leveling, consolidation and all associated works to prepare the site to the required level)					
20	Road, drains and related Works					
21	Any other plant / equipment / materials & other services required to fulfill the requirements & conditions of bid specifications required for completion of works successfully – submit details					

WRS – Water Retaining Structure
B - Building

Schedule No. 1 – B (i)**General Break Up of Prices of Electrical, Mechanical, Instrumentation equipment and Mandatory Spare Parts Supplied**

Item	Description	Unit Price	Qty.	Amount	Taxes & Duties	Total Amount
1	2	3	4	5	6	7 (5+6)
1	Raw Sewage Pumping (from collection chamber to Inlet Chamber of STP) System i. Mechanical Works ii. Electrical Works					
2	Inlet Chamber System Mechanical Works					
3	Screen Chamber System i. Mechanical Works ii. Electrical Works					

Item	Description	Unit Price	Qty.	Amount	Taxes & Duties	Total Amount
1	2	3	4	5	6	7 (5+6)
4	Grit Chamber & Parshall Flume System i. Mechanical Works ii. Electrical Works					
5	Aerators System i. Mechanical Works ii. Electrical Works					
6	Secondary Clarifiers System i. Mechanical Works ii. Electrical Works					
7	Thickener System i. Mechanical Works ii. Electrical Works					

Item	Description	Unit Price	Qty.	Amount	Taxes & Duties	Total Amount
1	2	3	4	5	6	7 (5+6)
8	Dewatering Units					
	i. Mechanical Works					
	ii. Electrical Works					
9	Sludge Drying Bed					
	i. Mechanical Works					
10	Chlorinating System					
	i. Mechanical Works					
	ii. Electrical Works					
11	Sludge Recirculation System					
	i. Mechanical Works					
	ii. Electrical Works					
12	Thickened Sludge Pumping System					
	i. Mechanical Works					
	ii. Electrical Works					

Item	Description	Unit Price	Qty.	Amount	Taxes & Duties	Total Amount
1	2	3	4	5	6	7 (5+6)
13	Supernatant , Centrate & Dilution Water Pumping System i. Mechanical Works ii. Electrical Works					
14	Electric Sub – Station Works Electrical Works					
15	Generating Sets i. Mechanical Works ii. Electrical Works					
16	MCC and Control System i. Electrical Works					
17	Electrification & Compound Lighting					

Item	Description	Unit Price	Qty.	Amount	Taxes & Duties	Total Amount
1	2	3	4	5	6	7 (5+6)
18	Administrative & Laboratory Building and related Works i. Mechanical and Lab Equipment ii. Electrical Works					
19	Instrumentation Items (Provide Details)					
20	Any other plant / equipment / materials & other services required to fulfill the requirements & conditions of bid specifications required for completion of works. i. Mechanical Works ii. Electrical Works					

Name of Bidder-----

Signature of Bidder-----

Schedule No. 3 – A**General Break Up of Prices of Installation of Electrical, Mechanical, Instrumentation equipment Supplied and Other Services**

Item	Description	Unit Price	Qty.	Amount	Taxes & Duties	Total Amount
1	2	3	4	5	6	7 (5+6)
1	Raw Sewage Pumping (from collection chamber to Inlet Chamber of STP) System i. Mechanical Works ii. Electrical Works					
2	Inlet Chamber System i. Mechanical Works					
3	Screen Chamber System i. Mechanical Works ii. Electrical Works					

Item	Description	Unit Price	Qty.	Amount	Taxes & Duties	Total Amount
1	2	3	4	5	6	7 (5+6)
4	Grit Chamber & Parshall Flume System i. Mechanical Works ii. Electrical Works					
5	Aerators System i. Mechanical Works ii. Electrical Works					
6	Secondary Clarifiers System i. Mechanical Works ii. Electrical Works					
7	Thickener System i. Mechanical Works ii. Electrical Works					
8	Dewatering Units i. Mechanical Works ii. Electrical Works					

Item	Description	Unit Price	Qty.	Amount	Taxes & Duties	Total Amount
1	2	3	4	5	6	7 (5+6)
9	Sludge Drying Bed i. Mechanical Works					
10	Chlorinating System i. Mechanical Works ii. Electrical Works					
11	Sludge Recirculation System i. Mechanical Works ii. Electrical Works					
12	Thickened Sludge Pumping System i. Mechanical Works ii. Electrical Works					
13	Supernatant , Centrate & Dilution Water Pumping System i. Mechanical Works ii. Electrical Works					
14	Electric Sub – Station Works i. Electrical Works					

Item	Description	Unit Price	Qty.	Amount	Taxes & Duties	Total Amount
1	2	3	4	5	6	7 (5+6)
15	Generating Sets i. Mechanical Works ii. Electrical Works					
16	MCC and Control Panel System i. Electrical Works					
17	Electrification & Compound Lighting					
18	Administrative & Laboratory Building and related Works i. Mechanical/Laboratory Equipment ii. Electrical Works					
19	Instrumentation Items (Provide Details)					
20	Any other plant / equipment / materials & other services required to fulfill the requirements & conditions of bid specifications required for completion of works. i. Mechanical Works ii. Electrical Works					

Name of Bidder-----

Signature of Bidder-----