

NAME OF WORK : Providing Submersible pumpset of discharge 200 LPS 15 M head at Thiruvanmiyur Sewage Pumping Station in Area-XB.

CONTRACT NO. : CNT/SEW/MWB/2057/2010-11

CHECK LIST FOR THE GUIDANCE OF THE CONTRACTOR

I		The Tender schedule for the above work consists of 17 pages as detailed below:
	(i)	Checklist for the guidance of the Contractors Page – 1 to 3
	(ii)	Notice Inviting Tender Page - 4
	(iii)	Letter of Tender 2 pages Page - 5 & 6
	(iv)	Price Schedule Page - 7 & 8
	(v)	Work schedule Page – 9 to 12
	(vi)	Technical Specification Page - 13
	(vii)	Annexure I & II for format of the undertaking and additional conditions to be included regarding ban on entry of workers into the Sewerage System. Page – 14 to 16
	(viii)	Mile stone Page - 17
II	1	The total number of items in the work schedule - 27 Nos. and the departmental value works out to Rs.9,08,216.00
	2.	Tenderers are requested to sign all pages in the tender schedule and must sign letter of tender. Tenders which do not have the Signature of the Tenderer in letter of tender will be rejected.
	3.	Technical specification of the equipment offered by the Bidders if any, and any other information related to the bid may be enclosed along with Tender Schedule after duly Signing in all the pages.
	4.	Bidders are requested to verify the number of pages in the work schedule and number of items in the work schedule. Any clarification and further information required may be obtained from the Office of the Contracts and Monitoring wing on any working day.
	5.	The present tender document contains detailed estimate and price schedule. The tenderers are requested to quote the percentage variation over the departmental value in words and figures in any one of the forms in price schedule. If there is any discrepancy between words and figures, the lower among the words and figures will be taken into account.
	6.	<u>Eligibility :</u> Contractors registered in Metro water in Class - IV B and above i.e. those who are eligible to take up the work costing more than Rs.6.00 lakh and above are eligible to tender for this work. Contractors registered in other departments and undertakings of the Central or State Government in the corresponding class for taking up such work, who have executed similar works of the same or higher magnitude are also eligible to tender for this work. Contractors not Registered in the Board and who intend to participate in the tender, subject to their eligibility as above are requested to obtain a copy of the Standard tender document from the Office of the Contracts wing before submitting their Tender. They should furnish Proof for their registration in the appropriate class and experience as indicated above while submitting their tenders, otherwise their tenders will be treated as non responsive. The tender received from ineligible contractors will be treated as non responsive. However the successful tenderer will have to get himself registered in the Board in the appropriate class.

Signature of Tenderer

NAME OF WORK : Providing Submersible pumpset of discharge 200 LPS 15 M head at Thiruvanmiyur Sewage Pumping Station in Area-XB.

CONTRACT NO. : CNT/SEW/MWB/2057/2010-11

7.	EMD shall be in the form of Demand Draft or Banker's Cheque or Pay Order drawn from Nationalised / Scheduled Bank / TNSC Bank in favour of CMWSS Board.
8.	<p><u>SECURITY DEPOSIT</u></p> <p>Security deposit will be collected from the successful Tenderer in the following form and manner within 14 days from the date of receipt of work order:</p> <p>Form in which S.D. collected.</p> <p>a). In the shape of NSC/KVP/Post office Time Deposits valid for the required contract period and pledged in favour of Managing Director, CMWSS Board and shall have the necessary transfer endorsement of the Post Office.</p> <p>(OR)</p> <p>Fixed Deposit for the required period from nationalized/schedule Bank/TNSC Bank in favour of Managing Director, CMWSS Board.</p> <p>(OR)</p> <p>Certified cheque/Bank Draft in favour of Managing Director, CMWSS Board payable at Chennai.</p>
b)	The value of Security Deposit will be as follows:
i)	for tenders with any plus percentage and upto (-)5% over departmental value – 2% of the contract value.
ii)	for tenders between (-)5% to (-)15% over departmental value --- 4% of the contract value.
iii)	for tenders, above (-)15% over departmental value --- 5% of the contract value.
9.	Milestone details for completion of works and details of penalty for the non completion of work are furnished in the Milestone at Page No.17 . Tenderers are requested to take note of the details. The above details will be incorporated in the contract documents while executing agreement.
10	All duties, taxes such as VAT, Sales Tax and Service Tax other levies payable by the contractor under the contract or for any other cause shall be included in the rates, prices and total quoted rates submitted by the bidder. Any statutory variations in duties/taxes, which takes effect from a date subsequent to the due date for receipt of tender, shall be to CMWSS Board's Account.
11.	<p><u>Tender Validity</u></p> <p>Tenders shall remain valid for a period of not less than ninety days (90 days) from the date of bid submission. A tender valid for a shorter period shall be rejected by the Employer as non-responsive.</p>
12.	No cheque will be accepted towards Earnest Money Deposit.
13.	Tenders with conditions are liable for rejection.

Signature of Tenderer

NAME OF WORK : Providing Submersible pumpset of discharge 200 LPS 15 M head at
Thiruvanniyur Sewage Pumping Station in Area-XB.

CONTRACT NO. : CNT/SEW/MWB/2057/2010-11

14.	All entries should be made legibly in ink. Writing the percentage in figures and words first in pencil and later over writing in ink should be avoided and also over writing the corrections should also be avoided.
15.	Correction if any should be made by neatly score out the unwanted matter and rewriting legibly. Every such correction should be attested by the full signature of the tenderer.
16.	The defects liability period in respect of original civil works and pipe laying works is 5 years and thirty six months in respect of all Electrical, Mechanical and allied works.
17.	The tender of the contractor, whose previous performance is found to be poor / not satisfactory, will not be taken up for evaluation.

Signature of Tenderer

NAME OF WORK : Providing Submersible pumpset of discharge 200 LPS 15 M head at Thiruvanmiyur Sewage Pumping Station in Area-XB.

CONTRACT NO. : CNT/SEW/MWB/2057/2010-11

**CHENNAI METROPOLITAN WATER SUPPLY AND SEWERAGE BOARD
NO.1, PUMPING STATION ROAD, CHINTAD RIPET, CHENNAI-600 002.**

NOTICE INVITING TENDER

LOCAL COMPETITIVE BIDDING

Sealed tenders are invited from the eligible tenderers for the following work:

Sl. No	Name of Work and Contract No.	Due Date and time of bid submission	Approximate value of Tender Rs/ Lakh	E.M.D. in Rs.	Tender schedule available From - To	Eligibility	Contract Period
1.	Providing Submersible pumpset of discharge 200 LPS 15 M head at Thiruvanmiyur Sewage Pumping Station in Area-XB. CNT/SEW/MWB/2057/2010-11	23.12.2010 up to 3.00 PM	9.12	9,150/-	06.12.2010 to 22.12.2010	Class IV B and above	30 days
2.	Date & time for opening of tenders	on 23.12.2010 after 3.00 PM					
3.	Availability of Tender Schedule in person	Information & Facilitation Officer, CMWSS Board, No.1, Pumping Station Road, Chintadripet, Chennai-600002, (Telephone: 044-28451300, Extn. 227)					
4.	Through Website	www.chennaietrowater.tn.nic.in & www.tenders.tn.gov.in					
5.	Cost of Tender Schedule	Free of cost					
6.	Address for information and clarifications and for receipt of tenders	Office of Superintending Engineer, Contracts & Monitoring, 4 th Floor, CMWSS Board, Chennai – 600 002 Phone No. 044-2845 1300 Extn.253 FAX : 044-2845 4336					
7.	e-bid submission & portal	Permitted through portal www.tntenders.gov.in					

SUPERINTENDING ENGINEER
(CONTRACTS & MONITORING)

Signature of Tenderer

NAME OF WORK : Providing Submersible pumpset of discharge 200 LPS 15 M head at
Thiruvanmiyur Sewage Pumping Station in Area-XB.

CONTRACT NO. : CNT/SEW/MWB/2057/2010-11

LETTER OF TENDER

To be delivered to the Superintending Engineer, C&M Chennai Metropolitan Water
Supply and Sewerage Board at or before 3.00 P.M. on **23.12.2010**.

To
The Managing Director
Chennai Metropolitan Water Supply & Sewerage Board
Chennai- 600 002

Sir,

I/We the undersigned do hereby tender and undertake to perform, provide and execute all the works, materials matters and things described or mentioned in the Schedule (Bill of quantities) hereto annexed and the specifications thereto and drawings therein referred to (which have been produced to and carefully examined by me/us) in strict accordance with and under and subject to the terms, provisions and conditions set forth or mentioned in the said Schedule (Bills of Quantities) specifications and the drawings therein referred to, at the rates given and as stated in the Bills of quantities.

I/We herewith enclose D.D/B.C./P.O No..... datedfor having remitted Rs..... into the Board's Cash Section as a guarantee for the due fulfillment of my/our tender, and if successful, undertake and agree to forward to the Board within fourteen days after the notification of the acceptance by the Board of this tender has been received by me/us, the sum as demanded in the Form and manner required as security for the due fulfillment of my/our contract.

I/we undertake and agree that I/We will not withdraw this tender during the period that will be required for intimation, acceptance or non/acceptance as stipulated in clause 15 on the Notice Inviting Tender or during such extended period as agreed to by me/us, such period to date from the last date by which tenders are due to be submitted to the Board and if I/We do so withdraw, I/We shall forfeit the Earnest Money Deposit to the Board.

I/We further undertake to produce the Income-tax Clearance Certificate and the certificate and the Sales Tax Verification Certificate from the Commercial Tax Department of this State and agree to execute at my/our cost the agreement attached and to sign the plans therein referred to within 14 days after the notification of the acceptance of my/our tender has been received by me/us. In the event of my/our failing to make the Security Deposit or to execute the agreement in the said manner and sign the plans within the time specified for the purpose, the sum of **Rs.9,150/-** accompanying this tender shall be forfeited to the Board and this concluded contract shall in such case be considered, as having been cancelled or terminated and you may thereupon at such time or times, in such manner and on such terms as you may think fit, arrange either departmentally or by any other person or persons to carry out the works and provide, execute and do all works, materials, matters and things described or mentioned herein and I/We agree to be liable irrespective of the forfeiture aforesaid for all damages, losses, costs, charges and expenses arising from or by reason of such failure and arrangements.

Signature of Tenderer

NAME OF WORK : Providing Submersible pumpset of discharge 200 LPS 15 M head at Thiruvanmiyur Sewage Pumping Station in Area-XB.

CONTRACT NO. : CNT/SEW/MWB/2057/2010-11

I/We undertake to assume full responsibility for the stability and soundness of the Works/structures that will be executed by me/us as per this contract.

I/We also undertake to do all extra or varied works which may be ordered as part of this contract upon the terms provided for in the conditions and specifications. The tenders shall be valid for a period of 90 days from the last date fixed for receipt of tenders. In case my/our tender for the work of **“Providing Submersible pumpset of discharge 200 LPS 15 M head at Thiruvanmiyur Sewage Pumping Station in Area-XB”** is accepted, I/We agree and guarantee to commence the said works within a period of seven days from the date and complete the entire work within the stipulated period of **30 days** from the date on which the work order received by me/us. I/We also agree that time is the essence of contract. I/We have actually inspected the site of works and have tendered for the works after such inspection.

UNDERTAKING

I/We have gone through the copy of standard tender document received from the Office of the Contracts and Monitoring wing and abide by the same for this contract also.

As witness my/our hand this.....day of.....2010.

Signature.....

Name and address:

Signature of Tenderer

NAME OF WORK : Providing Submersible pumpset of discharge 200 LPS 15 M head at
Thiruvanmiyur Sewage Pumping Station in Area-XB.

CONTRACT NO. : CNT/SEW/MWB/2057/2010-11

PRICE SCHEDULE

1. This tender has been called for in the percentage tender system. In the work schedule, detailed items of works involved in the work with specifications along with the quantity, the departmental rates and amount for individual items are furnished. The total value of the work is also furnished.
2. The tenderers are requested to quote the percentage variation over the total departmental value, which will be applicable for all items of works, individually and uniformly at which they are willing to execute the works, in the following format. In case any discrepancy / correction are found between figures and words furnished for the percentage, then the LOWER percentage among them ALONE will be taken as correct.

Signature of Tenderer

NAME OF WORK : Providing Submersible pumpset of discharge 200 LPS 15 M head at Thiruvanmiyur Sewage Pumping Station in Area-XB.

CONTRACT NO. : CNT/SEW/MWB/2057/2010-11

FILL UP ANYONE OF THE FORM NO:A, B or C
STRIKE OUT THE FORM WHICH IS NOT APPLICABLE.

FORM NO:A

I / We agree to execute the work of **“Providing Submersible pumpset of discharge 200 LPS 15 M head at Thiruvanmiyur Sewage Pumping Station in Area-XB”** with a tender percentage of (-) Minus-----
------(in words) -----(in figures) over departmental value of **Rs.9,08,216.00** as furnished in the work schedule which is also applicable for all items of works, individually and uniformly over the departmental rates, furnished in the work schedule.

FORM NO:B

I / We agree to execute the work of **“Providing Submersible pumpset of discharge 200 LPS 15 M head at Thiruvanmiyur Sewage Pumping Station in Area-XB”** at the department value of **Rs.9,08,216.00** for all items of work furnished in the schedule.

FORM NO:C

I / We agree to execute the work of **“Providing Submersible pumpset of discharge 200 LPS 15 M head at Thiruvanmiyur Sewage Pumping Station in Area-XB”** with a tender percentage of (+) Plus -----
------(in words) ----- (in figures) over departmental value of **Rs.9,08,216.00** as furnished in the work schedule which is also applicable for all items of works, individually and uniformly over the departmental rates, furnished in the work schedule.

NOTE:

1. The tenderers are requested to strike out two forms which are not applicable
2. If any two or three forms are filled by the tenderers the LOWEST percentage quoted by the tenderer will be considered.
3. If there is any discrepancy in percentage quoted in words and in figures the lowest percentage quoted will be considered.
4. If the tenderer failed to fill/strike out any or all of the form, the department value will be taken as quoted rate.

Signature of Tenderer

NAME OF WORK : Providing Submersible pumpset of discharge 200 LPS 15 M head at
Thiruvanmiyur Sewage Pumping Station in Area-XB.

CONTRACT NO. : CNT/SEW/MWB/2057/2010-11

MILE STONE

Sl. No.	Description of work	Mile Stone	
		Total work	Up to 30 days
1.	Supply, delivery, erection and commissioning of submersible sewage pumpset with allied electrical works and delivery main,lifting arrangements, civil works etc. complete as per schedule.	100%	100%

LIQUIDATED DAMAGES

I Mile Stone - Rs.455/- per day

Signature of Tenderer

NAME OF WORK : Providing Submersible pumpset of discharge 200 LPS 15 M head at Thiruvanmiyur Sewage Pumping Station in Area-XB.

CONTRACT NO. : CNT/SEW/MWB/2057/2010-11

Technical Specification

Sl. No	Description	Specification
1	Pumping station	Thiruvanmiyur
2	Application	Sewage Water
3	Liquid specific gravity	1.05
4	Discharge (LPS)	200 LPS
5	Head (m)	15
6	Efficiency	more than 80%
7	Motor Rated Output	40 KW
8	Speed (rpm)	960
9	Solid Handling Size (mm)	105
10	Impeller Type	Semi-open of CF8M
11	Cable Length (m)	15
12	Delivery Nozzle Type	100
13	Insulation	Class F
14	Protection	IP68
15	Starting Method	ATS
16	Quantity	01

Material of Construction

Sl. No	Description	Specification
1	Casing	2%Ni-CI
2	Impeller	CF8M
3	Shaft	SS 410
4	Fasteners	BHT Steel
5	Control Panel	Standard
6	Pedestal Coupling	Cast Iron
7	Motor Parts	Cast Iron

Signature of Tenderer

NAME OF WORK : Providing Submersible pumpset of discharge 200 LPS 15 M head at
Thiruvanmiyur Sewage Pumping Station in Area-XB.

CONTRACT NO. : CNT/SEW/MWB/2057/2010-11

ANNEXURE-1

Format of the Undertaking to be given by Contractor in cases where the cleaning and maintenance of Sewerage (including Septic Tanks) is outsourced

- 1) I, age
S/o....., residing at
.....
am aware of the directions of the Hon'ble High Court of Madras in its order dated 20.11.2008 in W.P. NO. 24403/2008 and the orders of the Government of Tamil Nadu in G.O.(Ms) No.293, M.A & W.S (MW) Department, dated 26.11.2010, regarding the ban on manual scavenging and on the entry of sanitary workers into the sewerage system of septic tank. I undertake to abide by the said directions of the High Court and Government Order in this regard.
- 2) I shall not allow sanitary workers to enter into the sewerage system / septic tank for cleaning or maintenance operations except in the 4 circumstances permitted in the orders of the High Court in W.P. No. 24403, dated 20.11.2008. I am aware that even in these 4 circumstances, I should allow the workers to enter only with adequate safety gadgets and under the supervision of a qualified staff, and only after duly observing all safety precautions including testing for the presence of toxic gases.
- 3) I am aware that violation of the said directions of the Hon'ble High Court and the G.O. will attract punishment under section 14 of the Employment of Manual Scavengers and Construction of Dry Latrines (Prohibition) Act, 1993.

Signature of the Contractor
with date

Signature of Tenderer

NAME OF WORK : Providing Submersible pumpset of discharge 200 LPS 15 M head at Thiruvanmiyur Sewage Pumping Station in Area-XB.

CONTRACT NO. : CNT/SEW/MWB/2057/2010-11

ANNEXURE-2

Additional conditions to be included in the Bid Documents as well as the Agreement with the contractor in cases where the cleaning and maintenance of Sewerage Systems (including Septic Tanks) is outsourced

- The contractor shall strictly abide by the directions of the Hon'ble High Court of Madras in its order dated 20.11.2008 in W.P. NO.24403/2008, and the orders of the Government of Tamil Nadu in G.O.(Ms) No.293, M.A. & W.S.(MW) Department, dated 26.11.2010 regarding the ban on manual scavenging and on the entry of sanitary workers into the sewerage system or septic tank. All cleaning and maintenance operations shall be done only through mechanical devices.
- The contractor shall not allow sanitary workers to enter into the sewerage system / septic tank for cleaning or maintenance operations except in the 4 circumstances permitted in the orders of the High Court in W.P. NO. 24403/2008, dated 20.11.2008
 - i. For the removal of concrete / FRP manhole door which gets damaged due to the heavy vehicular traffic and often falls inside the manhole causing obstructions / blocks in the sewer and which results in the blockage of sewerage system, and where mechanical equipments cannot be put into operation.
 - ii. For the purpose of inter-linking the newly laid sewer main with the existing sewer main, where it will be wholly necessary to block the main sewer main in the servicing manhole. Entry of sanitary workers on such occasions has to be necessarily permitted, in as much as it is stated that large size sewer i.e. where the diameter is more than 300 mm, blocking the sewer main from the top of the manhole is not possible and only the sanitary worker has to enter the manhole and that too with necessary safety gadgets for blocking the sewer temporarily.
 - iii. For the removal of submersible pump sets fixed at the bottom of the suction wells, which goes out of order, for which the sanitary worker has to enter the well again with necessary safety gadgets after emptying the sewage from the well in order to remove the pumpset. It is made clear that before allowing any

Signature of Tenderer

NAME OF WORK : Providing Submersible pumpset of discharge 200 LPS 15 M head at Thiruvanmiyur Sewage Pumping Station in Area-XB.

CONTRACT NO. : CNT/SEW/MWB/2057/2010-11

sanitary worker to enter on such occasions, steps should be taken to see that the sewage is totally emptied and thereby further ensure that no poisonous gas remains in the sewage line.

- iv. For the reconstruction of the manhole of rectification of the sewer main due to any damage caused by sinking of man hole covers / sewer line when the sewage pipe line gets blocked or gets obstructed, which results in the system getting surcharged. Here again, before allowing any sanitary worker to enter the sewer line, it is essential that sewage line is emptied by blocking the manholes in the system on either side of the sinking manholes / damaged manholes.

Even in the above four instances, the contractor should allow the workers to enter only with adequate safety gadgets and under the supervision of a qualified staff, and only after duly observing all safety precautions including testing for the presence of toxic gases with a gas detector. Naked flame method of testing the presence of poisonous gases is hazardous and should be strictly avoided.

- Even in the non-exceptional circumstances, consideration of safety of the workers shall be paramount and the contractor shall ensure the same.
- The contractor should indemnify the employer for any loss or damage caused by his negligence or by his non-observance / violations of any labour laws.
- The contractor should take out insurance policies under the Workmen's Compensation Act, 1923 for all the workers engaged by him and a photocopy of the insurance policy should be furnished to the employer. The policy should be kept alive till completion of the contract.
- The contractor should impart safety education to all his workers and train them in the use of safety gadgets.

Signature of the Contractor
with date

Signature of Tenderer